

**FINAL
AFFECTED PROPERTY ASSESSMENT REPORT (APAR)
FOR
AREA OF CONCERN (AOC) 64 AND
SOLID WASTE MANAGEMENT UNIT (SWMU) B-71
CAMP STANLEY STORAGE ACTIVITY
BOERNE, TEXAS**



United States Army Corp of Engineers

Fort Worth District

Contract No. W912BV-04-2026

Delivery Order DY01

Prepared by:

Weston Solutions, Inc.

70 Northeast Loop 410, Suite 600

San Antonio, Texas 78216

JUNE 2011



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Cover Page

Program ID No. (primary): None assigned Report date: **15 June 2011**
TCEQ Region 13 MSD Certificate No.: _____
No.: _____
Additional Program ID Numbers.: SWR/Facility ID No.: 69026 PST Facility ID No.: N/A
VCP ID _____
DCRP ID No.: N/A No.: N/A LPST ID No.: N/A
MSW Tracking No.: N/A HW Permit/CP No.: N/A Enforcement ID No.: N/A
Other ID Nos.: United States Environmental Protection Agency (USEPA) Facility Identification No. TX2210020739

Reason for submittal (check all that apply):
 Initial submittal
 Revision
Notice of Deficiency Letter
Permit/Compliance Plan
Voluntary response
Enforcement/Agreed order
Directive/NOV letter
Other: _____

On-Site Property Information

On-Site Property (Facility) Name: Camp Stanley Storage Activity (CSSA): Area of Concern (AOC) 64 and Solid Waste Management Unit (SWMU) B-71
Street no. 25800 Pre dir: _____ Street name: Ralph Fair Street type: Road Post dir: _____
City: Boerne County: Bexar County Code 15 Zip 78015
Nearest street intersection and location description: CSSA main entrance located 1/2 mile east of intersection of Ralph Fair Road and Interstate Highway 10.

Latitude: Decimal Degrees (indicate one) North Degrees: 29° 41' 04.40"
Longitude: Decimal Degrees (indicate one) West Degrees: 98° 37' 53.19"

Contact Person for On-Site Property Information and Acknowledgment

Company Name or Person: CSSA
Contact Name: Gabriel Moreno-Fergusson Title: Environmental Manager
Mailing Address: 25800 Ralph Fair Road
City: Boerne State: Texas Zip: 78015 Phone: (210) 295-7453
Email: morenog@cssamma.com Fax: (210) 295-7386
Person is: property owner property manager potential purchaser tenant operator
other CSSA Environmental Program Manager

By my signature below, I acknowledge the requirement of §350.2(a) that no person shall submit information to the executive director or to parties who are required to be provided information under this chapter which they know or reasonably should have known to be false or intentionally misleading, or fail to submit available information which is critical to the understanding of the matter at hand or to the basis of critical decisions which reasonably would have been influenced by that information. Violation of this rule may subject a person to the imposition of administrative, civil, or criminal penalties.

Signature of Person _____ Name (print): _____ Date: _____

Consultant Contact Person

Consultant Company Name: Weston Solutions, Inc.
Contact Person: E. Michael Chapa, P.G., PMP Title: Project Manager
Mailing Address: 70 NE Loop 410, Suite 600
City: San Antonio State: Texas Zip: 78216
Phone: (210) 248-2428 Fax: (210) 308-4329 E-mail address mike.chapa@westonsolutions.com

Professional Signatures and Seals

Professional Geoscientist

E. Michael Chapa	10372	10/31/2011
Professional Geoscientist	Geoscientist License number	Expiration date
Signature	Date	
(210) 248-2428	(210) 308-4329	mike.chapa@westonsolutions.com
Telephone number	FAX number	E-mail

Professional Engineer

Professional Engineer	P.E. License number	Expiration date
Signature	Date	
Telephone number	FAX number	E-mail

Registered Corrective Action Specialists (RCASs) and Corrective Action Project Managers (CAPMs)
For LPST sites only.

Registered Corrective Action Specialist	RCAS Registration number	Expiration date
Signature	Date	
Corrective Action Project Manager	CAPM Registration number	Expiration date
Signature	Date	
Telephone number	FAX number	E-mail

Seals, as applicable:

EXECUTIVE SUMMARY

Weston Solutions, Inc. (WESTON[®]) performed an Affected Property Assessment (APA) for Area of Concern (AOC) 64 and Solid Waste Management Unit (SWMU) B-71, located at Camp Stanley Storage Activity (CSSA), Bexar County, Texas (TX). The APA was performed in response to the presence of munitions related materials observed at ground surface at both sites. Assessment activities evaluated the extent of ground surface and buried munitions debris and affected soil prior to execution of Interim Removal Actions (IRAs) at the sites, as well as residual conditions at the completion of the IRAs. The United States Army Corps of Engineers (USACE), Fort Worth District (CESWF), contracted WESTON to perform site investigation activities at CSSA, including the APA for AOC 64 and SWMU B-71, under the Comprehensive Environmental Contract (CEC) No. W912BV-04-2026, Delivery Orders (DO) DY01 – DY03. The APA was conducted in accordance with requirements of Title 30 of the Texas Administrative Code (TAC), Chapter 350, the Texas Risk Reduction Program (TRRP). All evaluations of potential risk to human health and the environment presented by site contaminants were conducted under an assumption of unrestricted (i.e., residential) land use.

Assessments to determine the presence of buried waste and residual site contamination at AOC 64 and SWMU B-71 have included soil vapor surveys (SWMU B-71 only), an electrical conductivity geophysical survey, an exploratory trenching investigation, and the collection of soil samples throughout the areas of investigation. In addition to assessment activities, an IRA was performed in November 2008 through February 2009 to address buried munitions debris, affected soil, and other wastes not related to munitions and explosives of concern (MEC) materials observed at the sites. In addition, the IRA removed all soil to a depth of 0.5 to 1.0 feet below ground surface (bgs) with chemicals of concern (COC) concentrations exceeding Texas Commission on Environmental Quality (TCEQ) ecological risk screening benchmark concentrations. Based on confirmation sample results obtained during the IRA and on the results of initial investigation and sampling activities, there are no COCs at levels presenting unacceptable risk to human health or the environment at AOC 64 or SWMU B-71. The following tables summarize results of the assessment and site-specific conditions at AOC 64 and SWMU B-71 identified during the APA.

Environmental Media	Actual or Probable Exposures On-Site?		Actual or Probable Exposures Off-Site?		Have notifications for actual or probable exposures been completed? (\$350.55(e))		
	Yes	No	Yes	No	Yes	No	N/A
Soil		✓		✓			✓
Groundwater		✓		✓			✓
Sediment		✓		✓			✓
Surface Water		✓		✓			✓

Is there, or has there been, an affected or potentially affected water well? ___ Yes ___ No

If yes, what is the well used for? Not applicable.

Actual land use: On-site: Res C/I Off-site affected property: ___ Res ___ C/I N/A

Land use for critical PCL determination: On-site: Res ___ C/I Off-site affected property: ___ Res ___ C/I N/A

Did the affected property pass the Tier 1 ecological exclusion criteria checklist? ___ Yes ___ No

Affected groundwater-bearing unit(s) (in order from depth below ground surface), or uppermost groundwater-bearing unit if none affected

Unit No.	Name	Depth below ground surface (ft)	Resource Classification (1, 2, or 3)
1	Upper Trinity Aquifer (not affected by site COCs)	Not observed at max depths investigated: 12 ft bgs @ AOC 64, > 11.5 ft bgs @ SWMU B-71	1
2			
3			

Assessment

Environmental Media		Assessment Levels Exceeded?						Affected property defined to RAL?			Is COC extent stable or expanding?	General classes of COCs (VOCs, SVOCs, metals, etc.)
		On-Site?			Off-Site?			Yes	No	N/A		
		Yes	No	Not sampled	Yes	No	Not sampled					
Soil	Surface		✓				✓			✓	Stable	VOCs, SVOCs, Metals
	Subsurface		✓	✓			✓			✓	N/A	N/A
Groundwater				✓			✓			✓	N/A	N/A
Sediment				✓			✓			✓	N/A	N/A
Surface Water				✓			✓			✓	N/A	N/A

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	NAPL Occurrence		Description
NAPL in vadose zone	✓	No NAPL in vadose zone	There is no direct or indirect evidence of NAPL in the vadose zone
		NAPL in/on soil	NAPL detected in or on unsaturated, unconsolidated clay-, silt-, sand-, and/or gravel-dominated soils
		NAPL in fractured clay	NAPL detected in fractures of unsaturated fine-grained soils
		NAPL in fractured or porous rock	NAPL detected in unsaturated lithologic material
		NAPL in karst	NAPL detected in karst environment
NAPL at capillary fringe	✓	No NAPL at capillary fringe	There is no direct or indirect evidence of NAPL at the capillary fringe
		NAPL at capillary fringe	NAPL detected at vadose-saturated zone transition, capillary fringe (in contact with water table)
NAPL in saturated zone	✓	No NAPL in saturated zone	There is no direct or indirect evidence of NAPL in the saturated zone
		NAPL in soil	NAPL detected in saturated unconsolidated clay-, silt-, sand-, and/or gravel-dominated soils
		NAPL in fractured clay	NAPL detected in fractures of saturated fine-grained soil or other double-porosity sediments
		NAPL in saturated fractured or porous rock	NAPL detected in saturated lithologic material
		NAPL in saturated karst	NAPL detected in karst environment within the saturated zone
NAPL in surface water or sediment	✓	No NAPL in surface water or sediment	There is no direct or indirect evidence of NAPL in surface water or sediments
		NAPL in surface water	NAPL detected in surface water at exceedance concentration levels or visual observation
		NAPL in sediments	NAPL detected in sediments at exceedance concentration levels or visual observation via migration pathway or a direct release

Remedy Decision

Environmental Media		Critical PCL exceeded on-site?			Critical PCL exceeded off-site?			PCLE zones defined?			General class (VOCs, SVOCs, metals, etc.) of COCs requiring remedy
		Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	
Soil	Surface		✓				✓			✓	None
	Subsurface		✓	✓			✓			✓	N/A
Groundwater				✓			✓			✓	N/A
Sediment				✓			✓			✓	N/A
Surface Water				✓			✓			✓	N/A

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NAPL Response Action Triggers		Description of Triggers
✓	No NAPL response action triggers	No NAPL triggers have been observed in any assessment zones (vadose, capillary fringe and saturated), nor in surface water or sediments
	NAPL vapor accumulation is explosive	NAPL vapors accumulate in buildings, utility and other conduits, other existing structures, or within anticipated construction areas at levels that are potentially explosive ($\geq 25\%$ LEL)
	NAPL zone expanding	NAPL zone is observed to be expanding using time-series data
	Mobile NAPL in vadose zone	NAPL zone is observably mobile, or is theoretically mobile based on COC concentrations and residual saturation
	NAPL creating an aesthetic impact or causing nuisance condition	NAPL is responsible for objectionable characteristics (e.g., taste, odor, color, etc.) resulting in making a natural resource or soil unfit for intended use
	NAPL in contact with Class 1 groundwater	NAPL has come in actual contact with saturated zone or capillary fringe of a Class 1 GWBU
	NAPL in contact with Class 2 or 3 groundwater	NAPL has come in actual contact with saturated zone or capillary fringe of a Class 2 or Class 3 GWBU
	NAPL in contact with surface water	Liquid containing COC concentrations that exceed the aqueous solubility in contact with surface water via various migration pathways or direct release to surface water
	NAPL in or on sediments	Liquid containing COC concentrations that exceed the aqueous solubility impact surface water sediments via migration pathway or a direct release

CONCLUSIONS AND RECOMMENDATIONS

IRAs conducted at sites AOC 64 and SWMU B-71 removed all munitions related debris and affected soil with COCs exceeding Tier 1 or calculated site-specific Tier 2 critical protective concentration levels (cPCLs). Laboratory analysis of soil samples for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), explosives constituents, and a CSSA-specific list of metals indicate detectable concentrations of VOCs, SVOCs, and metals in surface soil at both sites (initial release determination sampling included perchlorate at AOC 64 and limited polychlorinated biphenyl [PCB] analysis at SWMU B-71 based on field observations of materials disposed at each site). All analyte concentrations other than those listed in the following table were reported at concentrations below their respective residential assessment level (RAL) at all locations and during all phases of assessment or were screened and eventually eliminated from being site COCs by applicable TRRP criteria. Tier 2 PCLs for the soil-to-groundwater exposure pathway were derived for COCs with soil concentrations exceeding the Tier 1 PCL for this exposure route. No current COC concentrations exceed critical human health Tier 1 or 2 PCLs at either AOC 64 or SWMU B-71. Maximum COC concentrations remaining in place at the subject sites (i.e., post-IRA) for those COCs observed with concentrations exceeding Tier 1 PCLs during initial characterization and assessment and their associated critical human health PCLs and ecological risk screening benchmark values are as presented in the table below.

Summary of Site COC Maximum Concentrations AOC 64 and SWMU B-71 Camp Stanley Storage Activity Boerne, TX			
COC	Maximum Concentration (mg/kg)	Critical Human Health PCL (mg/kg)	Ecological Risk Screening Value (mg/kg)
AOC 64			
2,4-Dinitrotoluene	0.04U	0.04 ¹	1,280 ⁶
Barium	1,110	1,562 ²	330 ⁶
Benzene	0.0188	0.019 ²	255 ⁶
Cadmium	1.38J	3 ³	32 ⁶
Copper	158J	520 ⁴	61 ⁶
Lead	34.2	411 ²	120 ⁶
Mercury	2.00	2.1 ⁵	0.77 ³
Zinc	653M	9,900 ⁵	120 ⁶

Summary of Site COC Maximum Concentrations AOC 64 and SWMU B-71 Camp Stanley Storage Activity Boerne, TX			
COC	Maximum Concentration (mg/kg)	Critical Human Health PCL (mg/kg)	Ecological Risk Screening Value (mg/kg)
SWMU B-71			
2,4-Dinitrotoluene	0.0663U	0.0663 ¹	1,280 ⁶
Benzene	0.0213J	0.221 ²	225 ⁶
Copper	230	520 ⁴	61 ⁶
Lead	136	274 ²	120 ⁶
Nickel	29.9	79 ⁴	35.5 ⁶
N-nitrosodiphenylamine	2.3	40 ²	20 ⁶
Zinc	232 ⁷	9,900 ⁵	120 ⁶
<p>Notes:</p> <p>mg/kg - milligrams per kilogram J - estimated value U -constituent not detected at above method detection limit (MDL)</p> <p>M – a matrix effect was indicated to be present based on QA/QC processes</p> <p>¹ –constituent sample quantitation limit (SQL) was utilized as the critical human health PCL</p> <p>² - Tier 2 site-specific PCL for the soil-to-groundwater exposure pathway</p> <p>³ – Camp Stanley background concentration utilized as the critical human health PCL or as the ecological risk screening benchmark value</p> <p>⁴ –TRRP Tier 1 PCL for the soil-to-groundwater exposure pathway</p> <p>⁵ –TRRP Tier 1 PCL for the total-soil-combined exposure pathway</p> <p>⁶ – TCEQ Ecological Risk Screening Benchmark Values (TCEQ, 2006)</p> <p>⁷ – the maximum zinc concentration at SWMU B-71 is at a depth of 6.5 feet bgs, below the depth interval (0.0-5.0 feet bgs) required for screening and evaluation of ecological risk.</p>			

COC concentrations at AOC 64 and SWMU B-71 were delineated horizontally to applicable assessment levels. IRA confirmation sampling obtained at both sites provided vertical delineation for all site COCs without encountering groundwater. No further assessment or remedial response is required.

NAPL DISCUSSION

No non-aqueous phase liquid (NAPL) was identified during the assessment.

RESPONSE ACTIONS AND RECOMMENDATIONS

All COC concentrations were reported below Tier 1 PCLs or calculated Tier 2 PCLs following completion of the IRAs; no additional remedial response is necessary.

FIGURE A - AFFECTED PROPERTY AND PCLE ZONE MAP

Figures A-1 and A-2 illustrate locations at AOC 64 and SWMU B-71, respectively, with COC concentrations exceeding Tier 1 PCLs and ecological risk screening benchmark values. As no COC concentrations exceed site-specific human health Tier 2 PCLs, no PCLE zone is depicted.

CHRONOLOGY

April 2011. Parsons Corporation (Parsons) collected additional surface soil samples to delineate mercury impact above the ecological risk screening benchmark value at AOC 64.

February 2011. WESTON conducted an ecological risk data gap sampling investigation to collect samples at locations confirming native soil residual COC concentrations at AOC 64 and SWMU B-71.

June 2009. WESTON conducted a data gap investigation to collect samples at locations in order to provide horizontal and vertical delineation points for residual COC concentrations at AOC 64 and SWMU B-71.

November 2008 through February 2009. WESTON conducted an IRA to address munitions debris and affected soil with COC concentrations exceeding critical Tier 1/Tier 2 PCLs and to remove all soils at a depth of less than 0.5-1.0 feet bgs with concentrations exceeding ecological risk screening benchmark values. Laboratory analytical results for post-removal confirmation samples indicated that all COC concentrations following the removal actions were below the laboratory sample quantitation limits (SQLs) or below their respective critical Tier 1 or Tier 2 PCLs. All COCs exceeding ecological risk screening benchmark concentrations were removed from soils less than 0.5 feet bgs.

June 2007. WESTON re-sampled selected locations identified in March 2007 with metals concentrations exceeding Tier 1 ^{GW}Soil_{Ing} PCLs (soil-to-groundwater exposure pathway, 30-acre source area, residential land use, Class 1 groundwater). The samples were collected to confirm the initial analytical results and to provide follow-on analysis by synthetic precipitation leaching procedure (SPLP) on all samples. Total metals concentrations generally correlated to those observed during the March 2007 sampling event. SPLP results were below their respective COC drinking water PCLs, with the exception of lead at both AOC 64 and SWMU B-71 and barium at AOC 64.

May 2007. Preliminary results of the geophysical survey and trenching investigation were presented to the United States Environmental Protection Agency (USEPA) and TCEQ representatives during a project status meeting conducted at CSSA. Meeting attendees concurred

with a plan to conduct follow up analytical testing by SPLP in order to evaluate potential risk to groundwater from COCs exceeding the Tier 1 ^{GW}Soil_{Ing} PCL. Contamination in areas with observed buried munitions debris and other wastes material was discussed to be addressed through an IRA.

March 2007. WESTON conducted exploratory trenching to investigate geophysical survey anomalies potentially associated with disturbed soils or buried materials. The trenches were excavated at areas identified with significant anomaly signatures during a previously conducted geophysical survey. Each of the trenches was advanced to the depth of bedrock at its respective location. Materials to be removed for treatment and recycling/disposal include spent small arms ammunition (SAA), rocket motors, spent illumination flares, and soil impacted with chemical constituents associated with these items. Groundwater was not observed at any of the exploratory trench locations.

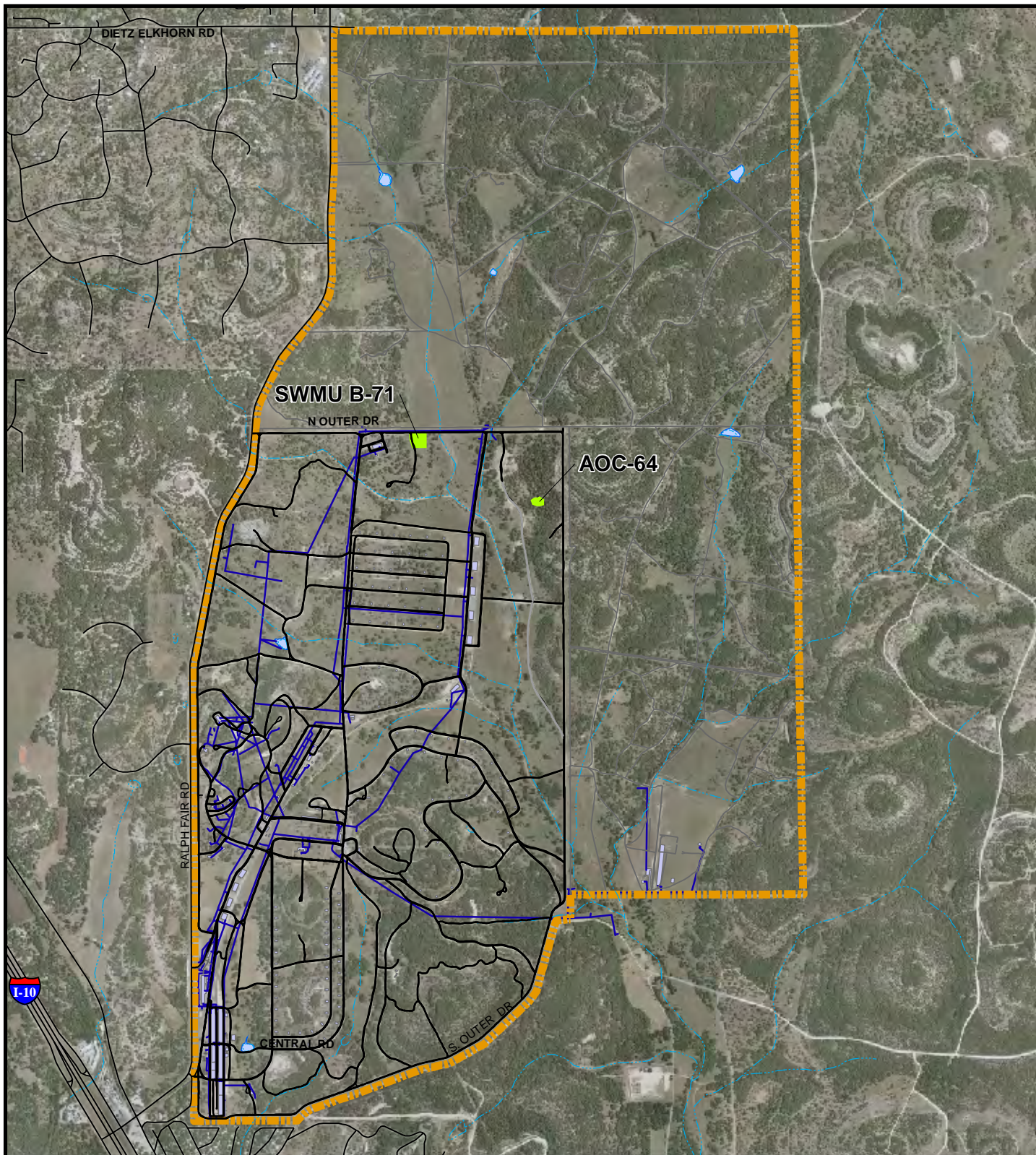
Soil samples were collected from exploratory trench locations and submitted for laboratory analysis of VOCs, SVOCs, explosives, and a CSSA-specific list of metal analytes. Samples from AOC 64 were also analyzed for perchlorate concentrations. Based on an isolated area of buried electrical components, two samples from SWMU B-71 were submitted for determination of PCB concentrations. Samples were collected from areas peripheral to the disposal trenches with a hand auger to support horizontal delineation of COCs in surface soil. Soil analytical results indicated that most analyte concentrations were either below CSSA background concentrations for metals, below method detection limits, or below TRRP Tier 1 PCLs for both human health and groundwater protection, with the following exceptions:

- AOC 64: barium, cadmium, copper, leads, mercury, zinc, 2,4-dinitrotoluene, and benzene
- SWMU B-71: copper, lead, nickel, zinc, 2,4-dinitrotoluene, n-nitrosodiphenlyamine, and benzene

February 2007. WESTON conducted a geophysical survey to investigate the potential presence of buried materials at AOC 64 and SWMU B-71. An electromagnetic induction indicator instrument was utilized to evaluate the subsurface for anomalies indicative of buried metallic objects, disturbed soils, or imported fill. Results of the survey indicated that the potential

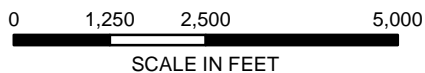
presence of both disturbed soils and buried metallic objects was generally limited to areas in which those features were observable at the ground surface.

December 2006. WESTON reviewed aerial photographs obtained from the CSSA Environmental Office for visual indications of site activity associated with hazardous waste generation, storage, or disposal (e.g., disposal trenches, aboveground storage tanks [ASTs], evaporation ponds, etc.). Results of the aerial photo review were utilized to define the limits of the geophysical survey work conducted in February 2007.



Legend

- Streets
- Installation Boundary
- Site Investigation Area



DRAFT



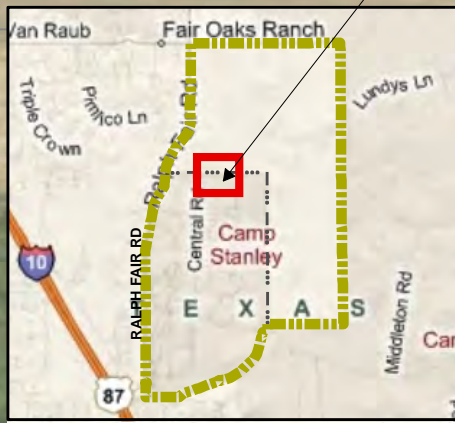
Figure 1A-1
 Installation Boundary and
 Site Locator Map
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity, Boerne, Texas

SOURCE: Camp Stanley Aerial Imagery

This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.

DATE	PROJECT NO	SCALE
JUL 2010	03886.529.004.0020	AS SHOWN

Site Map Locator



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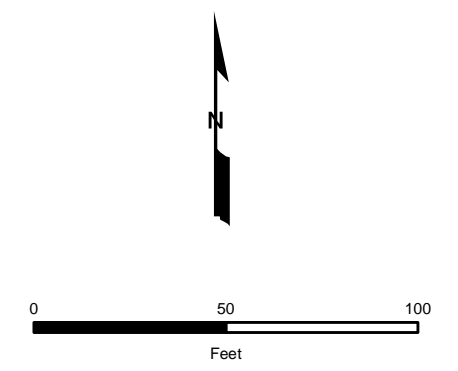
Legend

- Soil sample locations with COC concentrations below TRRP human health PCLs and below TCEQ ecological risk screening benchmark values
- Areas Excavated > 1 ft below ground surface (bgs)
- Areas Excavated from 0.5-1.0 ft bgs
- SWMU B-71 Investigation Area

COC - chemical of concern
 PCL - protective concentration level
 TRRP - Texas Risk Reduction Program
 TCEQ - Texas Commission on Environmental Quality

Areas with Munitions Debris and COCs at the Ground Surface Addressed by Removal Actions

Areas of Buried Munitions Debris Addressed by Removal Actions



SOURCE: Camp Stanley Aerial Imagery
 This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.



Figure A-2
 Affected Property Map: SWMU B-71
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE	PROJECT NO	SCALE
JUN 2011	03886.529.004	AS SHOWN

APAR Table of Contents 1	Check if included
Cover Page	✓
Professional Signatures and Seals	✓
Executive Summary	✓
Conclusions and Recommendations	✓
Chronology* *	✓
Specialized Submittals Checklist	✓
Section 1 Property Information	
Discussion of site operations, release sources, and geology/hydrogeology	✓
Table 1A – Sources of Release	✓
Table 1B – Potential Off-Site Sources	✓
Figure 1A – On-Site Property Map*	✓
Figure 1B - Affected Property Map*	✓
Figure 1C – Regional Geologic Map*	✓
Figure 1 D – Regional Geologic Cross Section(s) *	✓
Section 2 Exposure Pathways and Groundwater Resources Classification	
Discussion of potential receptors, groundwater classification, and exposure pathways	✓
Table 2A – Water Well Summary	✓
Table 2B – Affected Water Well Summary	
Table 2C – Complete or Reasonably Anticipated to be Complete exposure Pathways	✓
Figure 2A – Potential Receptors Map*	✓
Figure 2B – Field Survey Photographs*	✓
Figure 2C – Water Well Map*	✓
Attachment 2A – Tier 1 Ecological Exclusion Criteria Checklist	✓
Attachment 2B – Tier 1 Ecological Exclusion Criteria Supporting Documentation*	
Section 3 Assessment Strategy	
Discussion of assessment strategies	✓
Table 3 A – Underground Utilities	✓
Section 4 Soil Assessment	
Discussion of nature and extent of COCs in soil	✓
Table 4A – Surface Soil Residential Assessment Levels with no Ecological Component	✓
Table 4B – Surface Soil Residential Assessment Levels with Ecological Component	
Table 4C – Subsurface Soil Residential Assessment Levels	
Table 4D – Soil Data Summary*	✓
Table 4E – Soil Geochemical/Geotechnical Data Summary*	✓
Figure 4A – Surface Soil COC Concentration Maps*	✓
Figure 4B – Subsurface Soil COC Concentration Maps*	
Figure 4C – Cross Sections*	✓

¹ Items marked with an asterisk do not have prescribed formats (for example, laboratory reports).

APAR Table of Contents	Check if included
Section 5 Groundwater Assessment	
Discussion of nature and extent of COCs in groundwater	
Table 5A – Groundwater Residential Assessment Levels	
Table 5B – Groundwater Data Summary*	
Table 5C – Groundwater Geochemical data Summary*	
Table 5D – Groundwater Measurements*	
Figure 5A – Groundwater Gradient Map*	
Figure 5B – Groundwater COC Concentration Maps*	
Figure 5C – Groundwater Geochemistry Maps*	
Figure 5D – Cross Section Groundwater to Surface Water Pathway*	
Section 6 Surface Water Assessment and Critical PCL Development	
Discussion of nature and extent of COCs in surface water	
Table 6A –Surface Water Critical PCLs	
Table 6B – Surface Water Data Summary*	
Figure 6A – Surface Water PCLE Zone Map*	
Figure 6B - Photographs*	
Section 7 Sediment Assessment and Critical PCL Development	
Discussion of nature and extent of COCs in sediment	
Table 7A –Sediment Critical PCLs	
Table 7B – Sediment Data Summary*	
Figure 7A – Sediment PCLE Zone Map*	
Section 8 Air Assessment and Critical PCL Development	
Discussion of the nature and extent of COCs in outdoor air	
Table 8A – Outdoor Air Data Summary*	
Figure 8A – Outdoor Air COC Concentration Maps*	
Section 9 Ecological Risk Assessment	
Discussion of ecological risk assessment, expedited stream evaluation, and/or reasoned justification. Copies of SLERA or SSERA.	✓
Section 10 COC Screening	
Discussion of COC screening process and results	✓
Table 10A – COC Screening Summary Table	✓
Section 11 Soil Critical PCL Development	
Discussion of soil critical PCL evaluation	✓
Table 11A – Surface Soil Critical PCLs (On-Site/Off-Site)	✓
Table 11B – Subsurface Soil Critical PCLs (On-Site/Off-Site)	
Figure 11A – Surface Soil PCLE Zone Maps*	
Figure 11 B – Subsurface Soil PCLE Zone Maps*	
Figure 11C – Cross Sections of the PCLE Zone*	

APAR Table of Contents	Check if included
Section 12 Groundwater Critical PCL Development	
Discussion of groundwater critical PCL evaluation	
Table 12A – Groundwater Critical PCLs – Full Plume POE*	
Table 12B – Groundwater –to-Surface Water PCLs	
Table 12C – Groundwater-to-Sediment PCLs	
Table 12D – Groundwater Critical PCL Elevations – Surface Water/Sediment Discharge POE	
Figure 12A – Groundwater PCLE Zone Map*	
Section 13 Notifications	
Discussion of notifications conducted	
Table 13A – Notification Summary	
Figure 13A – Notification Map*	
Appendices	
Appendix 1 Notifications*	
Appendix 2 Boring Logs and Monitor Well Completion Details*	✓
Appendix 3 Monitor Well Development and Purging Data*	
Appendix 4 Registration and Institutional Controls*	✓
Appendix 5 Water Well Records*	✓
Appendix 6 Monitor Well Records*	
Appendix 7 Aquifer Testing Data*	
Appendix 8 Statistics Data Tables and Calculations*	
Appendix 9 Development of Non-Default RBELs and PCLs*	✓
Appendix 10 Laboratory Data Packages and Data Usability Summary*	✓
Appendix 11 Miscellaneous Assessment*	✓
Appendix 12 Waster Characterization and Disposition Documentation*	✓
Appendix 13 Photographic Documentation*	✓
Appendix 14 Standard Operating Procedures*	✓
Appendix 15 OSHA Health and Safety Plan (§350.41(b)(1)) *	
Appendix 16 Reference List*	✓

SPECIALIZED SUBMITTALS CHECKLIST

___ Check here if no specialized submittals in this report

	If included, specify section or appendix
Ecological Risk Assessment	
Reasoned justification, expedited stream evaluation, Section 9 ecological risk assessment, and/or proposal for ecological services analysis	Section 9
Statistics	
Calculated site-specific background concentrations	Appendix 8
Used alternate statistical methods to determine proxy values for non-detected results (§350.51(n))	
Calculated representative concentrations (§350.79(2)) for remedy decision	
Analytical Issues	
Used SQL for assessment or critical PCL instead of the MQL (§350.51(d)(1)) or PCL (§350.79)	Section 10
The MQL of the analytical method exceeds assessment levels/critical PCLs (§350.54(e)(3))	Section 10
Human Health/Toxicology	
Variance to exposure factors approved by TCEQ Executive Director ¹ (§350.74(j)(2))	
Developed PCLs based on alternate exposure areas	
Evaluated non-standard exposure pathway (e.g., agricultural, contact recreation, etc)	
Combined exposure pathways across media for simultaneously exposed populations (§350.71(j))	
Adjusted PCLs due to residual saturation, cumulative risk, hazard index, aesthetic concerns, or theoretical soil vapor	
Utilized non-default human health RBELs to calculate PCLs (includes use of non-default parameters, toxicity factors not published in rule, etc.) (§350.51(l), §350.73, §350.74)	
Calculated Tier 2 or 3 RBELs/PCLs or TSCA levels for polychlorinated biphenyls, or calculated Tier 2 or 3 RBELs/PCLs for cadmium, lead, dibenzo-p-dioxins, dibenzofurans, and/or polycyclic aromatic hydrocarbons	Section 11 (Tier 2 PCL for lead)
Calculated Tier 1, 2, or 3 total petroleum hydrocarbon (TPH) PCLs	
Developed sediment/surface water human health RBELs and PCLs	
Fate and Transport	
Used or developed groundwater to surface water dilution factors	
Calculated Tier 2 PCL	Section 11
Calculated Tier 3 PCL	
Groundwater Issues	
Conducted aquifer test, classified Class 3 groundwater, or determined non-groundwater bearing unit (soil)	

¹ saturated Prior approval by Executive Director is required.

1 PROPERTY INFORMATION

1.1 PHYSICAL LOCATION

Property Location and Land Use

CSSA is located approximately 19 miles northwest of downtown San Antonio in northwest Bexar County, in south central Texas. The installation consists of 4,008 acres immediately east of Ralph Fair Road (State Farm-to-Market [FM] Road 3351), approximately 0.5 miles east of Interstate Highway 10. Its eastern boundary and parts of its northern and southern boundaries are contiguous with the Camp Bullis Military Training Reservation. The northern boundary is formed by Dietz Elkhorn/Old County Road and the western boundary is formed by Ralph Fair Road (Figure 1A-1).

The primary mission of CSSA is receipt, storage, and issuance of ordnance material, as well as quality assurance testing and maintenance of military weapons and ammunition. CSSA is a conditionally exempt, small quantity generator (USEPA Identification Number TX22100120739).

AOC 64 and SWMU B-71 both consist of undeveloped areas within the CSSA inner cantonment area. There is no documented historical use of the specific areas including these sites. AOC 64 is located within the vicinity of the “SWMU Highway” area of CSSA, a portion of the installation known for the historical disposal of munitions debris (MD) and mission related solid and hazardous wastes. SWMU B-71 is located adjacent to another CSSA environmental restoration site, AOC 38, which was closed with concurrence of no further remedial action required by the TCEQ in correspondence dated 15 February 2005. The locations of AOC 64 and SWMU B-71 within CSSA are presented on Figure 1A-1. Figures 1A-2 and 1A-3 present aerial photo-based maps of the sites and immediately surrounding areas. More detailed descriptions of the sites are presented in the following sections.

AOC 64

The site is a former explosive ordnance burn and disposal area where aerial flare remnants and other large munitions debris materials have been identified. The site is approximately two acres in size and is located in the northeast area of the CSSA Inner Cantonment known as SWMU Highway. No environmental investigations have been completed at the site prior to the current APA.

Aerial photographs dated 1934, 1945, 1962, 1966, 1973, 1978, 1985, 1991, and 1996 were reviewed for visual indications of activity at the site associated with a potential for hazardous waste generation, storage, or disposal. The site area is undeveloped in the 1934 photo. The 1945 photo indicates denuded vegetation at the approximate site location and unpaved roads connecting the AOC 64 area to the currently existing unpaved road to the west. A trench-like feature can be seen in the approximate center of the site in the 1962 photo. Indications of denuded vegetation consistent with soil disturbance and a high degree of vehicle traffic are evident at and surrounding the denuded area in the 1962 photo. Evidence of similar site activity can be observed to a lesser degree in the 1966 photo. From the 1973 photo through the remainder of years reviewed, there are no significant indications of additional site disturbance.

SWMU B-71

SWMU B-71 is a small arms brass casing disposal area that was discovered during the placement of a subsurface fiber optic cable. It is approximately 2 acres in size and located south of North Outer Road in the central portion of the Inner Cantonment of CSSA.

Aerial photographs dated 1934, 1945, 1962, 1966, 1973, 1978, 1985, 1991, and 1996 were reviewed for visual indications of activity at the site associated with a potential for hazardous waste generation, storage, or disposal. The site area consists of undeveloped land in all photo years reviewed. In the 1934 through 1957 photos, an apparent unpaved road extends from north to south through the central portion of the site. Vestiges of the road can be seen in later photos, but is less pronounced over time. In the 1973 photo, large dark swaths of potentially subsided surface areas can be noted trending from west to east in the northwestern portion of the site and from north to south in the central portion of the site. These darkened areas are less pronounced but still visible in the 1978 and 1985 photos. An area of denuded vegetation can be seen in the

center of the north to south trending area in the 1985 photo. No additional indications of site activity or of potential ground surface subsidence were noted for the remaining photo years reviewed.

Topography

AOC 64 is located on a well drained area bounded by low hills to the northeast and southeast. Surface water flow trends to the west-southwest across the site. Surface topography in the area trends towards a dry tributary of Salado Creek located approximately 900 feet to the west. The site is not located within the 100-year floodplain (FEMA, 2010).

SWMU B-71 is located approximately 300 feet east of the floodplain of a dry tributary of Salado Creek. Surface water flow trends to the east-southeast across the site towards the creek tributary. The site abuts the designated 100-year floodplain (FEMA, 2010).

Weather

CSSA receives an estimated average of approximately 36 inches of rain per year (CSSA, 2006a). Rainfall during the initial period of investigation at the sites (March – June 2007) was typical for the area. Drought conditions occurred for an extensive period preceding and including the IRAs conducted in November 2008 through February 2009. Storm water flow from areas to the north, east, and south of AOC 64 discharges to the west towards Salado Creek. Storm water flow from areas to the north, west, and south of SWMU B-71 discharges to the west-southwest towards Salado Creek.

1.2 AFFECTED PROPERTY AND SOURCES OF RELEASE

History and Operations

No records of any activity that would indicate the potential release of COCs at AOC 64 or SWMU B-71 are available at CSSA. Aerial photographs dated 1934, 1945, 1962, 1966, 1978, 1985, 1991, and 1996 were reviewed for visual indications of activity at the site associated with a potential for hazardous waste generation, storage, or disposal (e.g., disposal trenches, ASTs, evaporation ponds, etc.). SWMU B-71 is bounded by closed environmental sites AOC 35, 38, and 39. These areas were investigated during previous assessments conducted by others for the presence of potential impact associated with a volatile organic compound (VOC) groundwater

plume located to the east. Investigation of AOC 38 included a geophysical survey along the eastern boundary of SWMU B-71. Soil and soil vapor samples collected from both AOC 39 and AOC 38 indicated no soil contamination was present at the sites and they were both closed under Risk Reduction Standard No. 1 (RRS1).

Figures presenting the critical site features and potential source areas based on review of aerial photographs, as well as anomaly areas identified during geophysical survey work, are provided in Appendix 11 as Figures A11-1 and A11-2 for AOC 64 and SWMU B-71, respectively.

Project Overview

A Section 3008(h) Administrative Order on Consent (Order) was issued to CSSA by the USEPA in May 1999. The Order required CSSA to address several issues related to the generation, storage, and transport of hazardous waste. The Order included requirements to develop a comprehensive response to chlorinated solvent contamination identified in water supply wells at the installation. In addition, the Order required CSSA to conduct a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) to evaluate all potential historical sources of contaminant releases at the installation. Facility-wide surveys of known or suspected waste disposal sites identified AOC 64 and SWMU B-71 for additional investigation based on the presence of SAA wastes, MD and evidence of suspected explosive ordnance disposal burn pits (AOC 64 only) at the ground surface.

Assessment for the presence of buried waste and residual site contamination at AOC 64 and SWMU B-71 has included an electrical conductivity geophysical survey, a trenching investigation to assess anomalies identified during the geophysical survey, and the collection of soil samples throughout the area of investigation. Based on results of these assessment activities, an IRA was conducted in November 2008 through February 2009 to address munitions debris and affected soil present at the site above critical PCLs and above ecological risk assessment benchmark screening values. Confirmation soil samples collected following removal activities and for samples collected in areas peripheral to the removals indicated COC affected soil at concentrations below critical Tier 1 or site-specific Tier 2 human health PCLs. Post-removal conditions at both sites indicated residual COCs above ecological risk screening benchmark values, however, all COCs exceeding the screening benchmark values are a depth of greater than

0.5 feet bgs and do not present a threat to ecological receptors. Figures 1B-1 (AOC 64) and 1B-2 (SWMU B-71) present the locations of soil samples collected at the sites representative of current conditions. As there are no COC concentrations exceeding critical PCLs, there is no PCL exceedance zone at either AOC 64 or SWMU B-71.

1.3 GEOLOGY/HYDROGEOLOGY

Groundwater

According to the Final Hydrogeologic Conceptual Site Model (HCSM) for CSSA, dated January 2006, the principal CSSA water-bearing strata include the Upper Trinity and Middle Trinity Aquifers; these are associated with the Upper and Lower limestone members of the Glen Rose Formation, respectively. The Lower Glen Rose (LGR) is the upper-most interval of the Middle Trinity Aquifer, which also includes the Bexar Shale and Cow Creek Limestone formations in the area of CSSA. Of the Upper and Middle Trinity Aquifers, the Middle Trinity is the more prolific groundwater-producing body and is utilized as a drinking water source at CSSA and in the area surrounding the installation. The LGR portion of the Middle Trinity Aquifer present at CSSA is apparently unconfined and is recharged from 1) direct precipitation on the outcrop, 2) stream flow infiltration, and 3) infiltration of the overlying Upper Trinity Aquifer. Geologic features within the CSSA regional area are predominately influenced by the Balcones Fault Zone (BFZ) escarpment. The presence and movement of groundwater at CSSA is significantly influenced by fractures and karstic limestone features occurring throughout the BFZ region (CSSA, 2006a). A map of the surface outcrop lithology and a cross section of the regional geology underlying CSSA are presented on Figure 1C and Figure 1D, respectively.

Although locally variable, regional groundwater movement for both the Upper and Middle Trinity Aquifers generally corresponds with surface topography trends, resulting in a general direction of groundwater flow to the south or southeast. Middle Trinity aquifer groundwater elevations observed during a installation-wide monitoring event conducted in September 2006 ranged from 874.32 feet above mean sea level (MSL) to 1,027.96 feet above MSL with an averaged general gradient of 0.009 feet per foot (ft/ft) (CSSA, 2006a). Depths to groundwater can vary significantly with seasonal precipitation levels.

The Upper Glen Rose (UGR) member overlies the LGR at the majority of CSSA at an average thickness of approximately 50 feet, with estimated thicknesses ranging to over 400 feet in some areas. The HCSM indicates that,

“movement of groundwater in the [Upper Glen Rose formation] Upper Trinity aquifer is restricted to lateral flow along bedding planes between marl and limestone, where solution has enhanced permeability [...] Static water levels in adjacent wells completed in different beds are often different, demonstrating the possibility that beds are not hydraulically connected by avenues of vertical permeability [...] Upper Trinity water is generally of poor quality and most wells achieve only low production.”

No UGR monitoring wells are located in the immediate vicinity of SWMU B-71, but several UGR monitoring points are located around AOC-64. These wells include three discrete interval wells and nine recently installed UGR wells around a Bioreactor at SWMU B3. The closest of these UGR wells to AOC 64, MW-30, is approximately 550 feet east and in the assumed down gradient direction of the site.

In general, monitoring of these wells indicates that after significant rainfall (>1 inch), a perched water table can be present in the UGR for a short period of time at depths ranging from 10 to 20 feet bgs. After rainfall stops, the perched water table gradually recedes (Beal, 2008a). Another potential source of UGR groundwater in the AOC-64 area is the SWMU B-3 Bioreactor. The Bioreactor trenches are located in the UGR zone. Water is injected into the Bioreactor trenches at a variety of rates ranging from 15 to 50 gallons per minute (gpm). In 2009, over 20 million gallons of water was injected at the Bioreactor. Water mounds at the Bioreactor and migrates away in a radial manner.

Both AOC 64 and SWMU B-71 are located in areas with a transition of surface outcroppings through the bottom intervals of the UGR and the upper most interval of the LGR formation. AOC 64 is located on a portion of the Upper Glen Rose defined as the UGR(D) interval at an elevation of approximately 1,250 feet msl. SWMU B-71 is located in an area assumed to represent the contact of the bottom layer of the UGR (described by the HCSM as the UGR(E) interval) with the upper most layer of the Lower Glen Rose (described by the HCSM as the LGR(A) interval) at an elevation of approximately 1,235 feet msl.

The CSSA HCSM describes the hydrogeologic intervals present at ground surface and underlying sites AOC 64 and SWMU B-71 as follows (CSSA, 2006a):

The UGR(D) interval is defined by alternating bedding planes of limestone and marl with an estimated total thickness of between 130 and 180 feet. Groundwater in the UGR is laterally discontinuous and generally follows preferential pathways along the top of less permeable bedding planes. Significant recharge to lower units (i.e., the LGR member of the Middle Trinity Aquifer) is assumed to occur in areas where the outcrop is bisected by faults and fractures. Fault lines have been identified approximately 600 feet northwest and southwest of AOC 64.

The UGR(E) interval is characterized by a 7- to 10-foot thick calcareous mud with abundant fossils. In outcrop, UGR(E) appears as a yellow carbonate-rich mud that typically forms broad, gentle valley-like slopes. The interval appears to act as a barrier to downward water seepage, influencing lateral flow along the upper surface of a basal *Corbula* bed. Significant recharge to lower units (i.e., the LGR member of the Middle Trinity Aquifer) is assumed to occur in areas where the outcrop is bisected by faults and fractures. Fault lines have been identified approximately 450 feet northwest and 375 feet southeast of SWMU B-71.

The LGR(A) interval is characterized by alternating layers of pale yellow limestone with an estimated thickness of 50 feet. The upper portion of the interval is a grain-supported limestone exhibiting a distinct foram hash just below the UGR/LGR contact. Thin-to-medium-bedded mudstones and wackestones comprise the basal 30 feet of LGR(A). The unit is characterized by low porosity and permeability without known cavern development.

Groundwater was not observed during any of the assessment activities conducted at either site to date. Based on historical groundwater measurements collected at CSSA as part of its environmental restoration program and local the variations in precipitation, the depth to usable drinking water in the Middle Trinity Aquifer at either site is estimated to vary 50 to as much as 250 feet bgs (CSSA, 2006b).

Soil

Soil types present at and in the vicinity of AOC 64 and SWMU B-71 are presented in the following subsections and based on information contained in the CSSA HCSM (CSSA, 2006a).

AOC 64

Soil types at AOC 64 include the Tarrant B (TaB) soils group, characterized by thin, dark grayish-brown, calcareous, clay loam with scattered gravel and cobblestones (CSSA, 2006a).

SWMU B-71

Soil types at SWMU B-71 include the Trinity and Frio group (Tf), the Crawford and Bexar Stony Soils group (Cb) and the Krum Complex (Kr). Tf soils are characterized by frequently flooded channel soils for Salado Creek: Trinity soils are observed as clayey to gravelly loam present at depths ranging from ground surface to 3-5 feet bgs; Frio soils are a 3-4 foot deep, dark grayish-brown clay loam. The Cb group is characterized by very dark gray to dark reddish-brown, non-calcareous, loamy and clayey soils which are predominantly shallow and stony. The Kr soils are calcareous, dark grayish-brown or very dark grayish-brown materials which develop from sediment and runoff received from higher elevation soil (CSSA, 2006a). Based on field observations, Tf-Frio soils are present at the main portion of the site with Kr and Cb soils on the western site periphery.

The near-surface stratigraphic profile observed during the APA was as follows:

AOC 64

1.0 to 6.0 feet of brown to orange brown, silty, clay loam soils with moderate organic content underlain by white to buff weathered limestone with calcareous silt. The weathered limestone formation outcrops in the northern portion of the site. The observed thickness of the loam layer increased toward the southern and western portions of the site. The maximum depth investigated at most locations did not penetrate through to a different stratigraphic interval underlying the weathered limestone. Generalized cross-sections of subsurface conditions observed at the final limits of remedial excavations conducted during the IRA at AOC 64 are presented on Figures 4C-1 through 4C-4.

SWMU B-71

2.0 to 4.0 feet of dark brown to brown, silty, clay loam soils with organic content underlain by 1.0 to 3.0 feet of an orange calcareous clay. The marly clay was underlain by a buff to orange colored extremely friable weathered limestone layer 1.0 to 3.0 feet thick. Under the weathered buff limestone, a layer of hard, light grey limestone was encountered at the bottom of each of the two former disposal trench locations with thicknesses ranging from 0.5 to 1.5 feet. Penetrations of the hard grey limestone indicated a layer of weathered limestone with marl underneath to the maximum depths investigated at the site. Generalized cross-sections of subsurface conditions observed during the IRA at SWMU B-71 are presented on Figures 4C-5 and 4C-6.

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Table 1A - Sources of Release

The following sources were identified as potentially contributing to COCs observed at AOC 64 and SWMU B-71.

Table 1A. Sources of Release (see input values on preceding page)

Affected property name/number ¹	Name of potential source ² (supplied by the person)	Type of potential source (select from Column 1 on Inputs list)	NOR unit or SWMU number, if applicable	Substances of potential concern (select from Column 2 on Inputs list)	Size of source (capacity, area, or volume)	Status of source (select from Column 3 on Inputs list)		Was a release from this source confirmed? (if yes, indicate the discovery method from Column 4 on Inputs list, and date release was discovered)			
						Status ³ :	If closed or other, list date closed or explain:	No	Yes	Discovery method	Date
AOC 64	Munitions Debris Scrap Metal	Unauthorized disposal area	AOC 64	Metals, VOCs, SVOCs	~46,000 sf	Inactive			✓	Soil sampling	March 2007
SWMU B-71	Munitions Debris Scrap Metal	Unauthorized disposal area	SWMU B-71	Metals, VOCs, SVOCs	~43,000 sf	Inactive			✓	Soil Sampling	March 2007

¹ The name or number is an identification of the affected property assigned by the person. Continue using the name or number identification throughout this report and all other correspondence on the affected property.

² The potential source is the source of the release. The person determines the name given to the potential source. Examples: northwest tank farm, Main Street landfill, etc.

³ Specify whether the source status is active, inactive, abandoned, closed, or specify another status as appropriate.

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Table 1B - Potential Off-Site Sources

No off-site sources are suspected of contributing to COCs observed at AOC 64 or SWMU B-71.

Figures 1A-1 through 1A-1: On-Site Property Maps

Figure 1A-1 presents the locations of SWMU B-71 and AOC 64 within the CSSA installation boundaries. Figures 1A-2 and 1A-3 illustrate relevant physical features of the subject property and immediately adjacent areas for AOC 64 and SWMU B-71, respectively. Both sites consist of undeveloped land within the Inner Cantonment of CSSA. General features for the sites are as follows:

AOC 64

AOC 64 is located in a gently sloping clearing surrounded by wooded areas. The north-central portion of the site has limestone outcropping at the ground surface that was apparently used for burning munitions. Prior to the IRA, munitions related debris and metal scrap were visible at the ground surface in the central portion of the site. Piles of scrap metal with soil were also present. AOC 64 is in the “SWMU Highway” portion of CSSA, an area historically used for disposal of munitions and miscellaneous wastes related to installation operations. SWMU B-4 is located adjacent to the southwest of AOC 64 and is currently undergoing assessment and removal activities pursuant to obtaining closure under TRRP. COCs identified for other sites located along SWMU Highway include metals and chlorinated organics, however, their respective locations and the area surface topography indicate a low potential for their contribution to contamination observed at AOC 64.

SWMU B-71

SWMU B-71 is located in a topographically flat clearing approximately 300 feet east of the 100-year floodplain around an un-named tributary of Salado Creek. It is located adjacent to the southern side of North Outer Road and is abutted by a closed environmental restoration site, AOC 38. Another closed site, AOC 39, is located to the north of North Outer Road. AOC 38 and 39 were evaluated through the CSSA RFI process as potential VOC source areas for a groundwater plume located in the area and

subsequently closed under Texas Risk Reduction Standard No.1 (RRS1). AOC 65, located to the north of AOC 39 in the North Pasture area, has been investigated for VOC impact associated with a solvent vat located in CSSA Building 90. Based on the nature and extent of COCs for AOC 65, no contribution to SWMUI B-71 site contaminants from the site is suspected. Prior to the IRA, munitions related debris and metal scrap were visible at the ground surface in the northern and eastern-central portion of the site. The site was further defined in the early 2000s when trenching for a communication cable intersected the northern most trench at SWMU B- 71. No activities at existing CSSA facilities or at previous investigation sites in the area of SWMU B-71 are suspected of having the potential to have contributed to contamination at the site.

Figure 1B - Affected Property Map

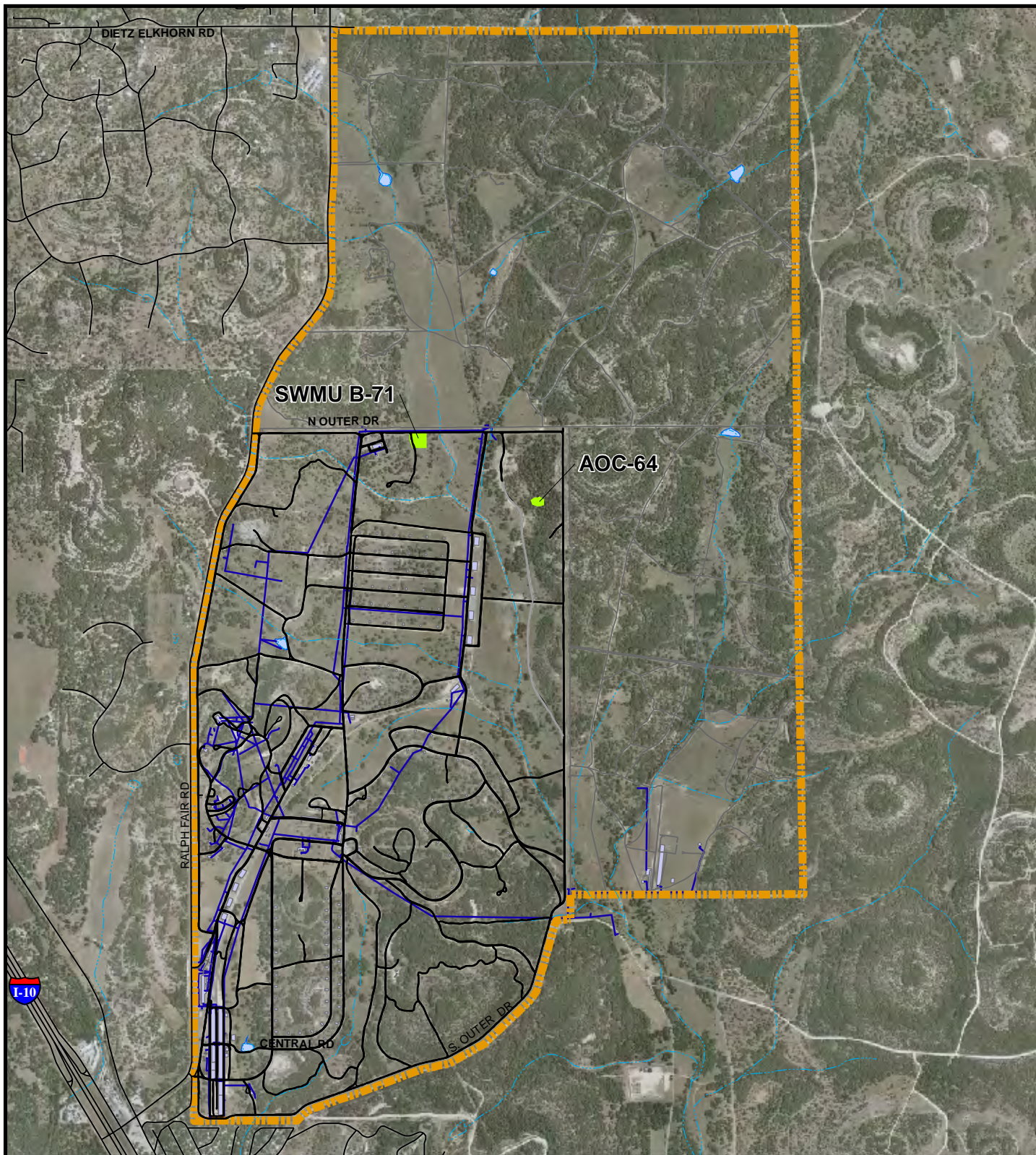
Figures 1B-1 and 1B-2 present sample locations which characterize current COC conditions (i.e., post-IRA) for AOC 64 and SWMU B-71, respectively. The maps provide a delineation of areas excavated during IRA activities and all confirmation sample locations. Sample locations from preliminary investigations conducted prior to the removals and that are still in place are also provided on the map. There are no COCs at either site exceeding Tier 1 or Tier 2 critical PCLs, however, the maps identify locations with COCs exceeding ecological risk screening benchmark values (see Section 9 for a discussion of potential ecological risk associated with residual conditions at AOC 64 and SWMU B-71).

Figure 1C - Regional Geologic Map

Figure 1C consists of a regional geologic map obtained from the CSSA HCSM. The approximate locations of AOC 64 and SWMU B-71 within CSSA are presented for reference.

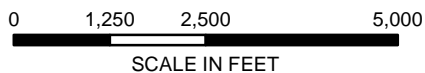
Figure 1D - Regional Geologic Cross Section(s)

Figure 1D presents a geologic cross section obtained from the CSSA HCSM that illustrates the regional stratigraphy of the area from the surface to the base of the principal regional water supply aquifers. The cross section includes formation names, aquitards, and minor and major aquifers.



Legend

- Streets
- Installation Boundary
- Site Investigation Area



DRAFT

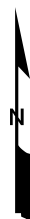


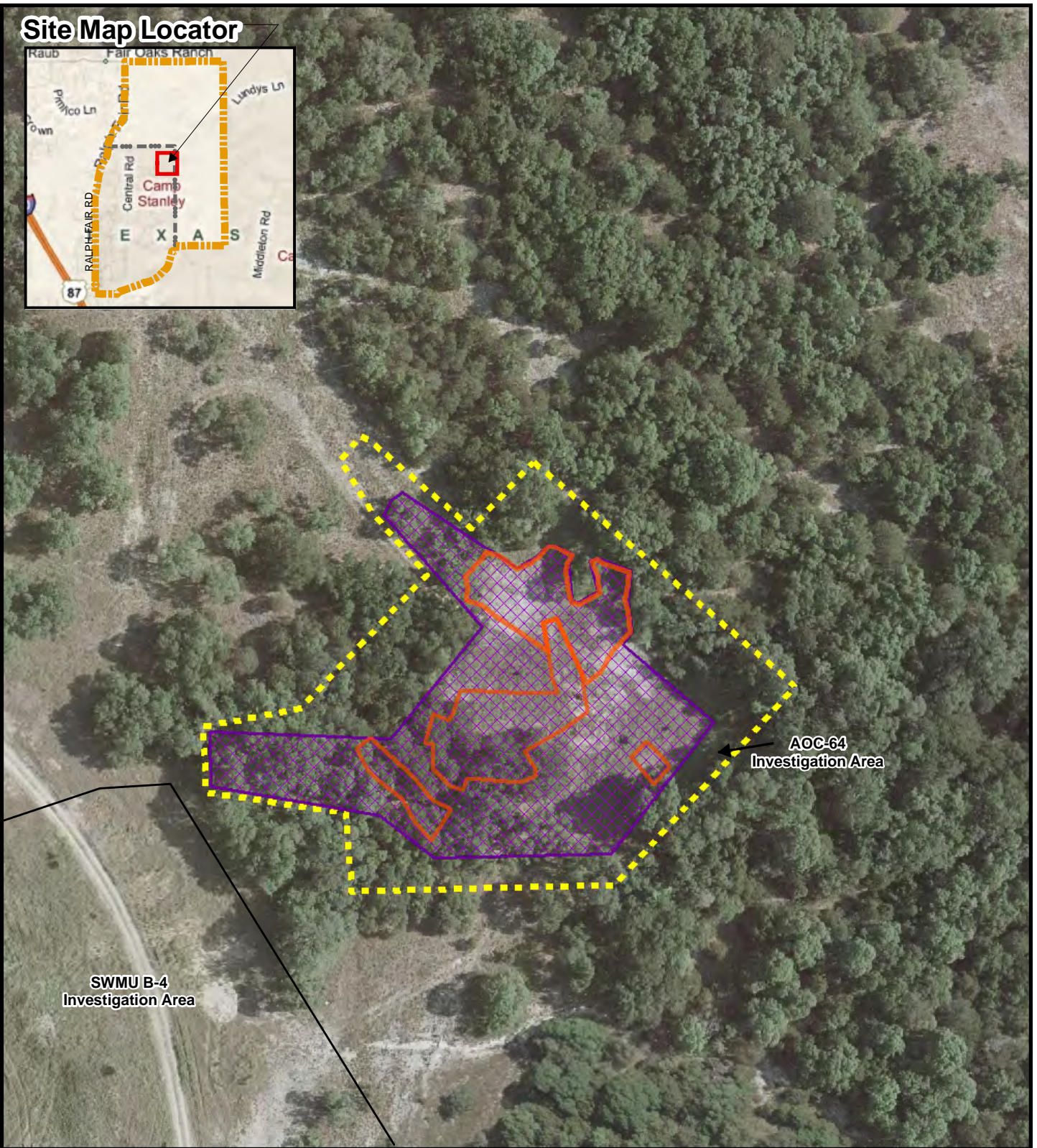
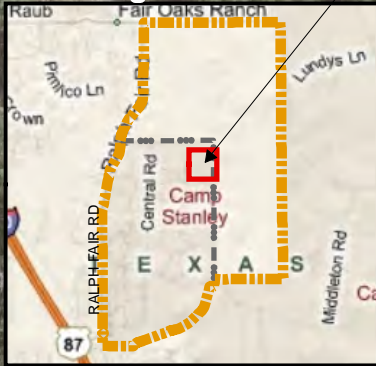
Figure 1A-1
Installation Boundary and Site Locator Map
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity, Boerne, Texas

SOURCE: Camp Stanley Aerial Imagery

This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.

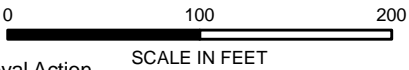
DATE	PROJECT NO	SCALE
JUL 2010	03886.529.004.0020	AS SHOWN

Site Map Locator







AOC-64 Investigation Area

SWMU B-4 Investigation Area



SCALE IN FEET

LEGEND

-  Areas addressed during Interim Removal Action (IRA) due to munitions debris or impacted soil at depths greater than 1 ft below ground surface (bgs)
-  Areas addressed during IRA due to munitions debris or impacted soil at depths less than 1 ft bgs
-  AOC 64 Investigation Area
-  SWMU B4 Investigation Area

SOURCE: Camp Stanley Aerial Imagery

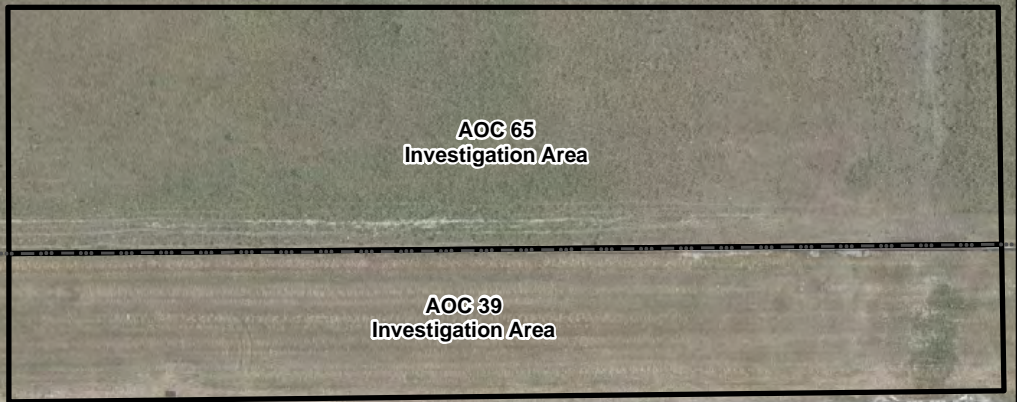
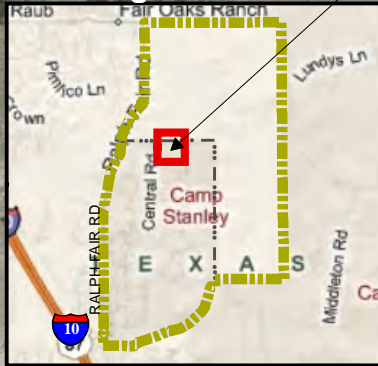
This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.







Figure 1A-2
On-Site Property Map: AOC 64
Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE JUN 2011	PROJECT NO 03886.529.001	SCALE AS SHOWN
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Site Map Locator



LEGEND

-  Areas addressed during Interim Removal Action (IRA) due to munitions debris or impacted soil at depths greater than 1 ft below ground surface (bgs)
-  Areas addressed during IRA due to munitions debris or impacted soil at depths less than 1 ft bgs
-  SWMU B-71 Investigation Area
-  AOC 38, 39 and 65 Investigation Areas

SOURCE: Camp Stanley Aerial Imagery

This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.

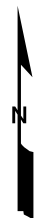
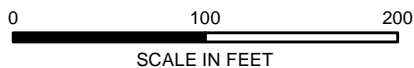
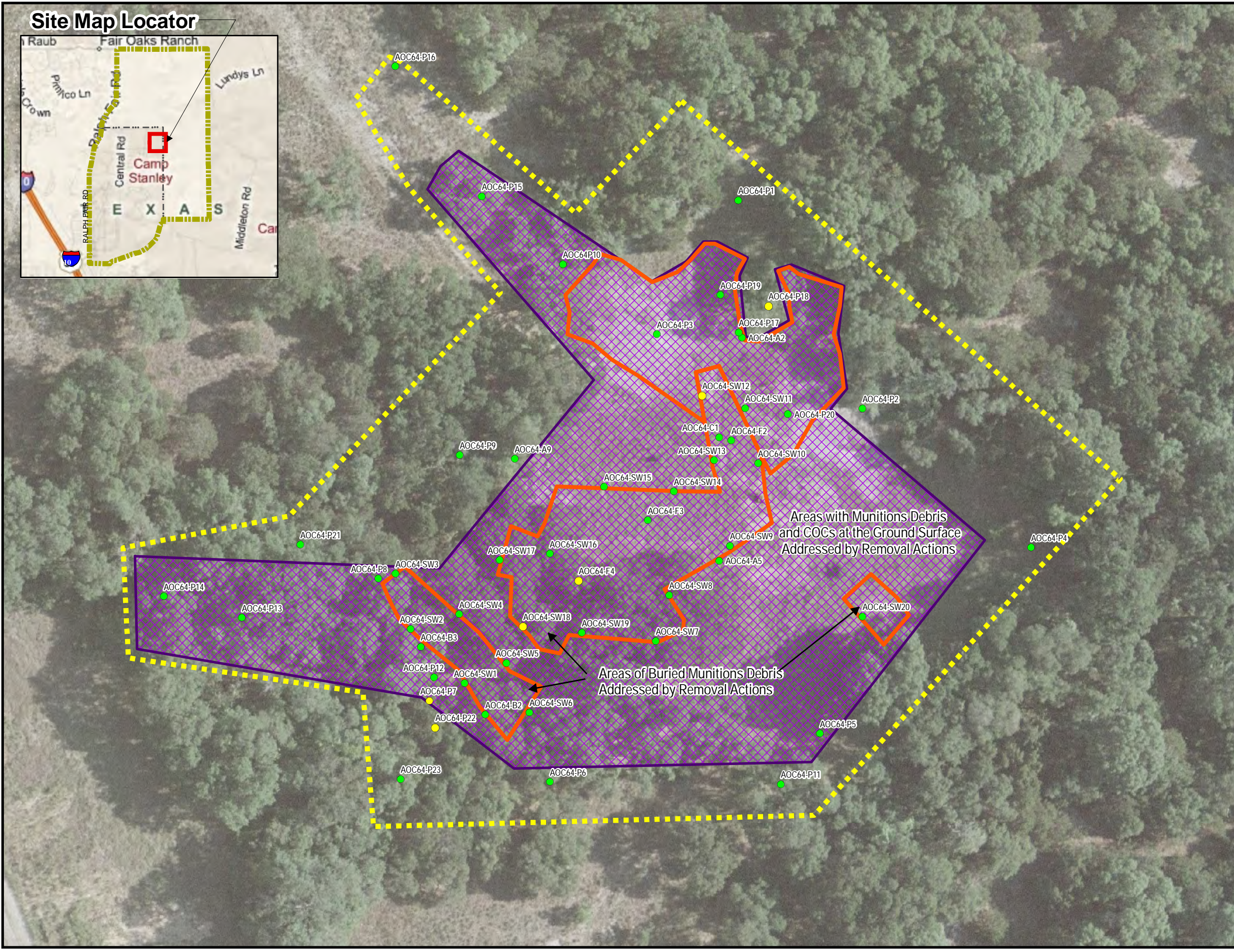


Figure 1A-3
On-Site Property Map: SWMU B-71
Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE JUN 2011	PROJECT NO 03886.529.001	SCALE AS SHOWN
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Site Map Locator

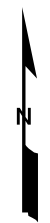


Legend

- Soil sample locations with COC concentrations below TRRP human health PCLs but above TCEQ ecological risk screening benchmark values
- Soil sample locations with COC concentrations below TRRP human health PCLs and below TCEQ ecological risk screening benchmark values
- Areas Excavated > 1 ft below ground surface (bgs)
- Areas Excavated 0.5-1.0 ft bgs
- AOC 64 Investigation Area

COC - chemical of concern
 PCL - protective concentration level
 TRRP - Texas Risk Reduction Program
 TCEQ - Texas Commission on Environmental Quality

Note:
 Other than at AOC64-P18 and AOC64-P22, all sample locations with COCs exceeding ecological risk benchmark values are at a depth of greater than 0.5 ft bgs.



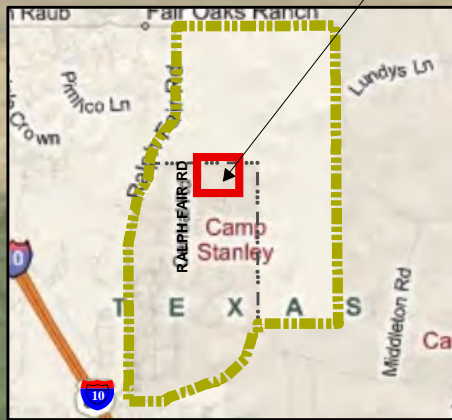
SOURCE: Camp Stanley Aerial Imagery
 This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.



Figure 1B-1
 Affected Property Map: AOC 64
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE	PROJECT NO	SCALE
JUN 2011	03886.529.004	AS SHOWN

Site Map Locator



AOC 39
Investigation Area

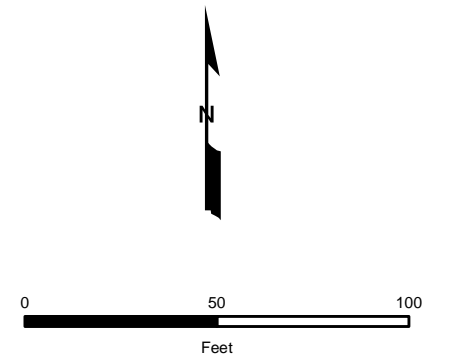
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Legend

- Soil sample locations with COC concentrations below TRRP human health PCLs and below TCEQ ecological risk screening benchmark values
 - Areas Excavated > 1 ft below ground surface (bgs)
 - Areas Excavated 0.5-1.0 ft bgs
 - SWMU B-71 Investigation Area
- COC - chemical of concern
 PCL - protective concentration level
 TRRP - Texas Risk Reduction Program
 TCEQ - Texas Commission on Environmental Quality

Areas with Munitions Debris and COCs at the Ground Surface Addressed by Removal Actions

Areas of Buried Munitions Debris Addressed by Removal Actions

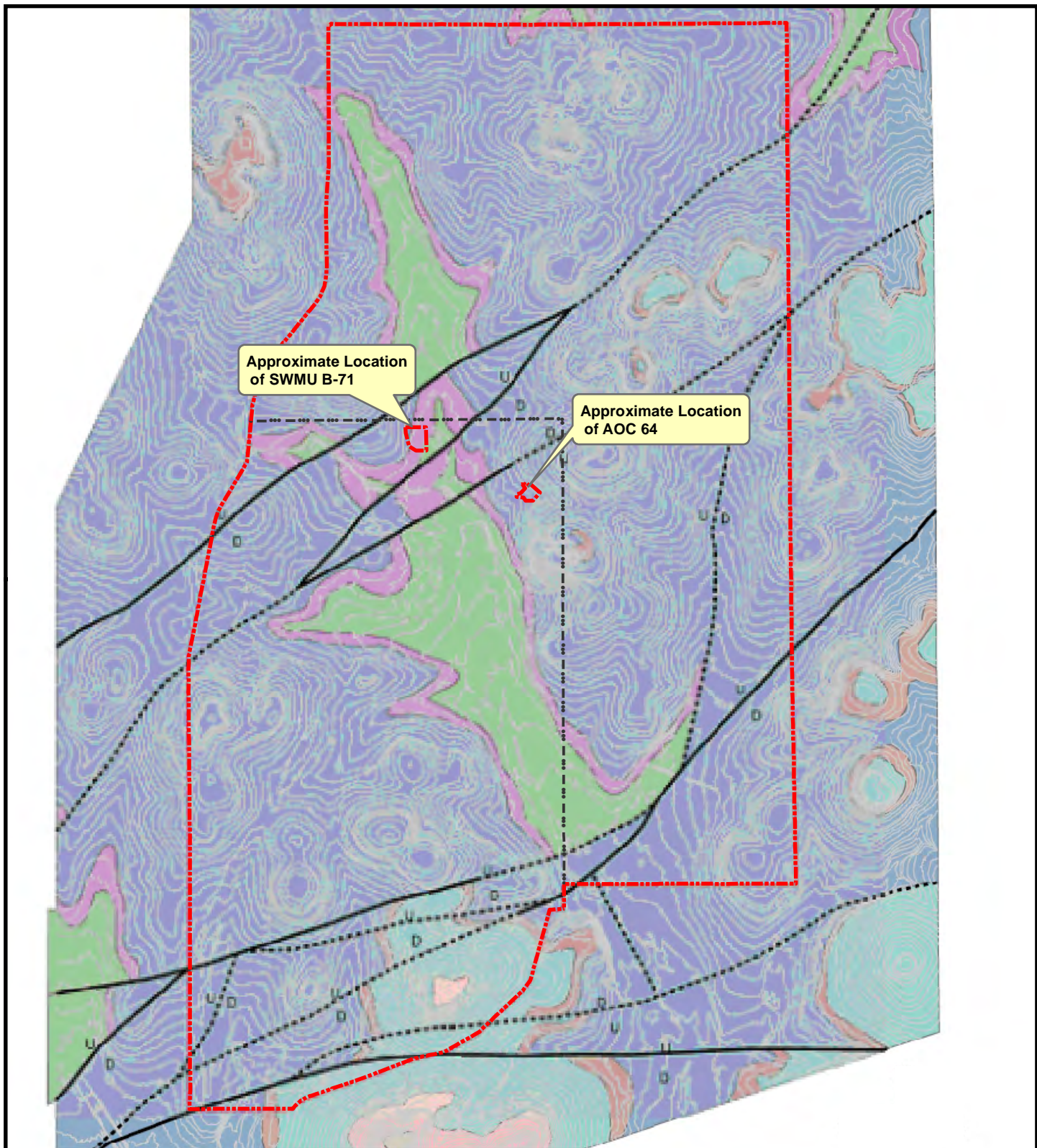


SOURCE: Camp Stanley Aerial Imagery
 This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.



Figure 1B-2
 Affected Property Map: SWMU B-71
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE	PROJECT NO	SCALE
JUN 2011	03886.529.004	AS SHOWN



Legend

- Topography (2m contour interval)
- - - - CSSA Boundary
- Geology (USGS, 2003)**
- Edwards Group (basal nodular member)
- Upper Glen Rose Limestone member (interval A)
- Upper Glen Rose Limestone member (interval B)
- Upper Glen Rose Limestone member (interval C)
- Upper Glen Rose Limestone member (interval D)
- Upper Glen Rose Limestone member (interval E)
- Lower Glen Rose Limestone member
- - - - Inferred Fault
- Mapped Fault

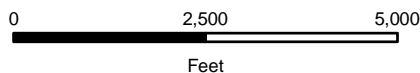
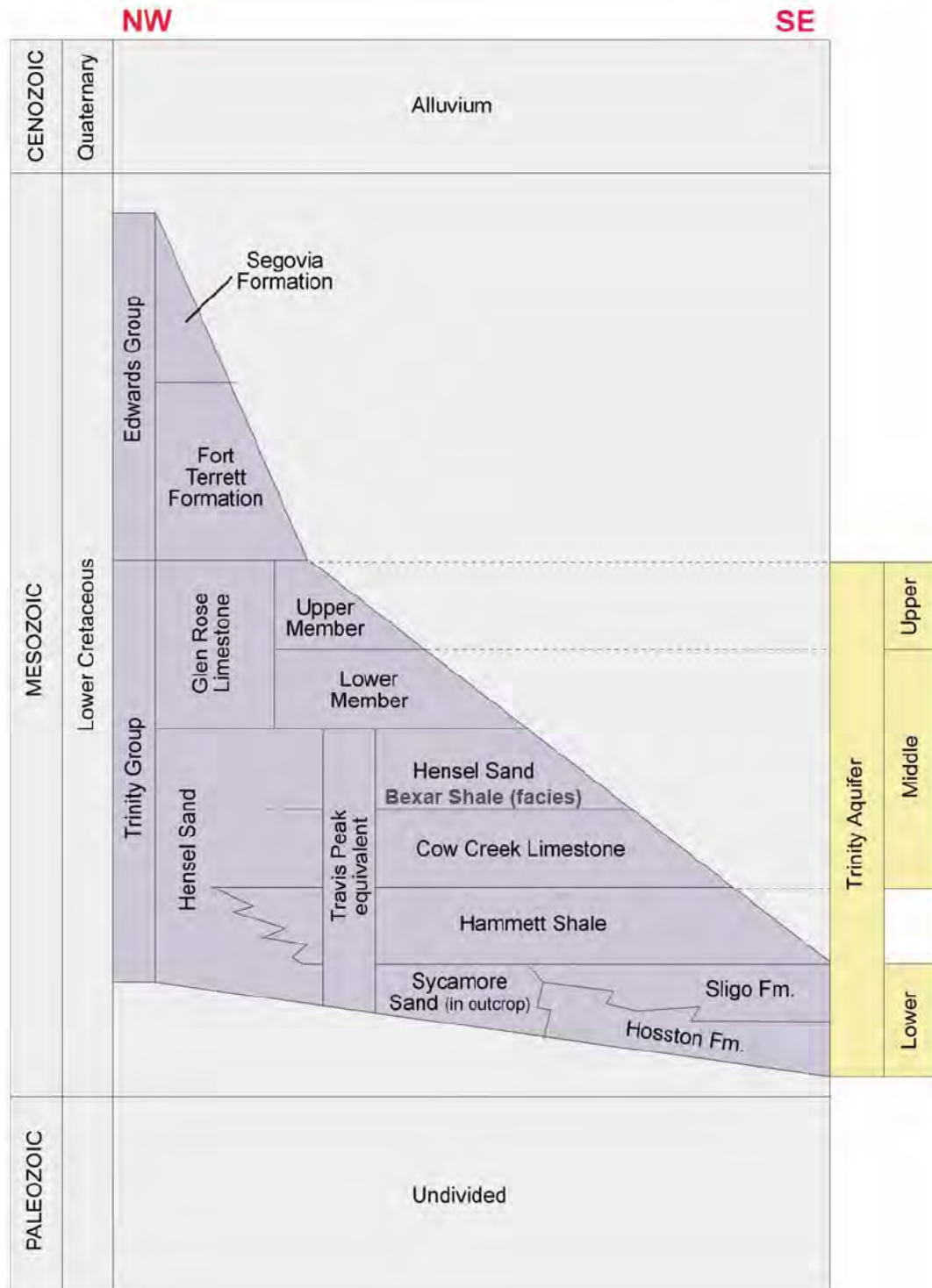


Figure 1C
 Regional Geologic Map
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

SOURCE: Regional geology map graphic obtained from the CSSA Hydrogeologic Conceptual Site Model (CSSA, 2006a)
 This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.

DATE MAR 2010	PROJECT NO 03886.529.001.0360	SCALE AS SHOWN
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Note: Cross section graphic obtained from the CSSA Hydrogeologic Conceptual Site Model (CSSA, 2006a) The cross section represents an idealized version of the regional geologic conditions present at CSSA. The indicated stratigraphic layers are not to scale.

This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.



Figure 1D
 Regional Geologic Cross Section
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE MAR 2010	PROJECT NO 03886.529.001.0460	SCALE N/A
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2 EXPOSURE PATHWAYS AND GROUNDWATER RESOURCE CLASSIFICATION

The following section discusses complete and potentially complete exposure pathways and the results of the receptor surveys conducted for the AOC 64 and SWMU B-71 APA. Both sites, including the full ½-mile radius utilized for the review of potentially affected or threatened water supply wells, lie well within the boundaries of CSSA. Because of this, the research for the receptor survey was limited to review of TCEQ- and USEPA-approved documents prepared in response to the CSSA Agreed Order. These documents which are available on the installation's administrative record website (www.stanley.army.mil) included review of records for drinking water, agricultural supply, and monitoring wells and critical hydrogeologic data for CSSA related to the presence of karst terrain, faults, and fractures associated with the on-post lithology. References used in this research are listed in Appendix 16.

2.1 SOURCE(S) OF POTABLE WATER FOR ON-SITE PROPERTY AND AFFECTED OFF-SITE PROPERTIES

CSSA obtains its potable drinking water supply from wells located on the installation and completed within the LGR member of the Middle Trinity Aquifer (CSSA, 2002). There are three active drinking water supply wells at CSSA: CS-1, CS-10, and CS-12. The nearest water supply well to both AOC 64 and SWMU B-71 is CSSA Well CS-12, located approximately 4,800 feet northwest of AOC 64 and 2,800 feet north-northwest of SWMU B-71. Based on the distance of these drinking water supply wells from the sites, and the presence of intermediary monitoring wells without indicated impact from COCs present at AOC 64 and SWMU B-71, there is no potential for contamination from AOC 64 and SWMU B-71 to impact these wells.

2.2 FIELD RECEPTOR SURVEY

A 500-foot field receptor survey, as measured from the boundary of the investigation area, was initially conducted in April 2008 by WESTON personnel. A follow up survey to confirm current conditions was also conducted in June 2010. The survey included field observations to look for geologic fault features identified during the records research and photo documentation of site features, such as surface drainage pathways and bedrock outcrops, as well as general features of the ecological habitat present at AOC 64 and SWMU B-71. Additionally, the location and status

of water wells identified during the records search were verified and interviews with CSSA personnel were conducted (Beal, 2008b). Aerial photo maps of the areas included in the receptor survey for both sites are provided as Figure 2A-1 and Figure 2A-2, respectively. Photos obtained during the receptor survey are presented on Figures 2B-1 through 2B-8.

2.3 RECORDS SURVEY

Both sites and the surrounding ½-mile radius utilized for the review of potentially affected or threatened water supply wells lie well within the boundaries of CSSA, therefore, research for the receptor survey was limited to review of TCEQ- and USEPA-approved documents prepared in response to the CSSA Agreed Order. These documents included records for drinking water and agricultural supply wells and critical hydrogeologic data for CSSA related to the presence of karst terrain, faults, and fractures associated with the installation lithology. All CSSA potable water supply wells are open-hole completions throughout the entire thickness of the Middle Trinity Aquifer, and produce groundwater from the LGR and CC formational members.

Documents reviewed were obtained from the on-line CSSA Environmental Encyclopedia or directly from the CSSA Environmental Office and included the following:

- Final Hydrogeologic Conceptual Site Model for CSSA (CSSA, 2006a)
- Off-site Well Survey Report (CSSA, 2001)
- Species and Habitat Distributions of Black-Capped Vireos and Golden-Cheeked Warblers, 2009 Breeding/Nesting Season (Parsons, 2009).

Results of the document reviews were discussed with Mr. Chris Beal of CSSA and confirmed to be accurate for current site conditions (Beal, 2008b).

2.4 RECEPTOR SURVEY RESULTS

AOC 64

AOC 64 is located in an undeveloped portion of CSSA known as SWMU Highway due to its historical use for the disposal of spent and demilitarized munitions and other mission-related waste materials. No current or historical property uses other than these disposal activities are known or suspected within the receptor survey radius of 500 feet. The area including AOC 64

consists of low hills wooded with Juniper and Live Oak stands. The site is located in a moderately sloped area and contains a natural drainage feature on its southern portion which discharges to the west onto the adjacent CSSA site SWMU B-4. No drinking water wells are located within 500 feet of the site, however, a UGR monitoring well (CS-MW30-UGR) and a bioreactor extraction well (XW-02) are located approximately 400-450 east-northeast of AOC-64. CS-MW30-UGR was installed to a total depth of 24 feet. XW-02 is cement cased to a depth of approximately 199.5 feet bgs and is completed in the LGR (open-hole completion from 199.5 to 358.3 feet bgs). Surface water flow in the vicinity of AOC 64 ultimately discharges to Salado Creek, located approximately 700 feet southwest of the site. Based on the distance to Salado Creek from the site, storm water flow related to transport of potentially impacted soil from AOC is not considered to be a significant risk. Based on the known COCs present at SWMU B-4, there is likely co-mingling of surface soil impact associated with the two sites downgradient of the assumed border of AOC 64. Delineation of any impact to surface soils beyond the boundary of AOC 64 at its contact with SWMU B-4 will be addressed during assessment and removal activities currently in process for that site.

SWMU B-71

SWMU B-71 is located in an undeveloped portion of the CSSA north-central Inner Cantonment. One surface structure, a lift truck charging station associated with Building 200, is located approximately 490 feet west of the site. There are no other active property uses or surface structures within the 500 foot receptor survey radius. Surface water runoff in the general area of SWMU B-71 is to the south and east toward a typically dry tributary of Salado Creek, located approximately 200 feet downgradient of the site. Geologic fault zones that could provide a direct source for infiltration of surface water or shallow, perched groundwater to deeper and more prolific water-bearing strata, including members of a regional drinking water source aquifer (Middle Trinity Aquifer) are located approximately 600 feet to the northwest and 100 feet southeast of SWMU B-71. A former water supply well currently used in the installation's groundwater monitoring program (CS-4) is located to 400 feet south of the site. In addition, groundwater monitoring well CS-MW24-LGR is located approximately 400 feet northwest of the site. The wells are cased to depths of 200 and 292.5 feet bgs, respectively for CS-4 and CS-MW24-LGR. Based on their distance from the former COC source areas at SWMU B-71 and on

their casing depths, the potential for these wells to act as a conduit of shallow groundwater impact to deeper water bearing zones is considered low. In addition, vertical delineation of COCs in soil was completed to background concentrations, or to analytical laboratory method quantitation limits (MQLs), while no groundwater, perched or otherwise, was encountered. A complete list of current and former CSSA water supply wells and well completion information is provided in Appendix 5.

CSSA personnel and visitors potentially present at AOC 64 and SWMU B-71 are limited to CSSA grounds-keeping personnel, seasonal hunters and other transient persons. Potential human receptors would be limited to these personnel spending a limited amount of time within the confines of the investigation area.

Information regarding the distribution of endangered bird habitat at CSSA was obtained during the course of this APA (Parsons, 2009). A map presenting the habitat distributions of Golden-Cheeked Warblers as observed during 2009 is provided for reference in Appendix 11. Based on the information reviewed, AOC 64 is located within confirmed nesting areas for the Golden Cheeked Warbler. Results of the Tier 2 screening level ecological risk assessment (SLERA, see Section 9) indicate the nature of environmental contamination present at AOC 64 and SWMU B-71 does not present an unacceptable level of ecological risk; therefore, no additional evaluation of ecological receptors was conducted.

Based on information obtained during the records review and site reconnaissance, receptors with the potential to be affected from environmental contamination at AOC 64 and SWMU B-71 are limited:

- No drinking water supply wells are located within ½-mile of either AOC 64 or SWMU B-71. The nearest water supply well, CSSA CS-12, is located approximately 4,800 feet northwest of AOC 64 and 2,800 feet north-northwest of SWMU B-71. Upgradient direction, distance from the sites, and the well's construction with a cement casing to a depth of 150 feet bgs preclude any potential threat to the well from AOC 64 and SWMU B-71 COCs potentially present in shallow groundwater.
- Non-drinking (i.e., environmental monitoring and groundwater recovery) water wells in the vicinity of both sites are greater than 400 feet from former COC source areas (i.e.,

source areas existing prior to IRA activities) and are either terminated within the UGR (CS-MW30-UGR) or cased to a depth which would prevent infiltration of contaminated near surface water to deeper zones (CS-4, CS-MW24-LGR and XW-02).

- There is no potential for residual contamination at AOC 64 or SWMU B-71 to impact CSSA water supply wells now or at any time during the future.
- All site COCs were delineated horizontally to RALs and vertically to background concentrations or MQLs at both AOC 64 and SWMU B-71.

2.5 GROUNDWATER RESOURCE CLASSIFICATION

Groundwater at CSSA is identified as a Class 1 resource. The installation overlies and obtains its potable water from the Middle Trinity Aquifer, a regional drinking water resource. Shallow groundwater potentially present at AOC 64 and SWMU B-71 is presumed to be hydraulically connected to the Middle Trinity Aquifer.

2.6 EXPOSURE PATHWAYS

Completed exposure pathways at both AOC 64 and SWMU B-71 include soil-to-groundwater ($^{GW}Soil_{Ing}$) and direct exposure ($^{Tot}Soil_{Comb}$) for surface soils only (residential land use 0-15 feet bgs). Vertical delineation of COCs to RALs was obtained at both sites at depths of less than 15 feet without encountering groundwater. Surface water bodies are not anticipated to be subject to impact from surface runoff at either site. As such, subsurface soil, groundwater, and surface water/sediment exposure pathways are not complete for AOC 64 and SWMU B-71

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Table 2A - Water Well Summary

Complete this table if water wells are identified in either the 500-ft receptor survey or the one-half mile records survey. Provide the information available on the water wells identified in the survey radius. Include wells found from the sources of information. Highlight the threatened or affected wells.

Table 2A.1 Water Well Summary AOC 64

Well no. / designation	Well owner's name of record	Distance from affected property (ft.)	Screened interval/open interval (ft)	Cemented interval (ft)	Completion type	Total depth	Date drilled	Producing formation	Current water use ¹	Current status ²	Data source ³
Downgradient Wells											
MW-30	U.S. Government	550	14-20.8	14	Cement	20.8	3/2010	Upper Glen Rose	Monitoring Only	Active	CSSA
XW-02	U.S. Government	450	65-358	65	Cement	358	4/2010	Lower Glen Rose	Extraction Well	Active	CSSA
Cross-gradient Wells											
None											
Upgradient Wells (direction of flow varies seasonally)											
None											

¹ Current water use: Dom - domestic; PS - public supply/municipal; Ind - industrial; Comm - commercial; Irr - irrigation; Liv - livestock
² Current status: Act - active; Ab - abandoned/not in use; SB - standby/backup; P&A - plugged and abandoned
³ Indicate the specific primary source of well information.

Table 2A.2 Water Well Summary – SWMUB-71

Well no. / designation	Well owner's name of record	Distance from affected property (ft.)	Screened interval/open interval (ft)	Cemented interval (ft)	Completion type	Total depth	Date drilled	Producing formation	Current water use ¹	Current status ²	Data source ³
Downgradient Wells											
CS-4	U.S. Government	400	200-252	0-200	Cement	252	N/A	Lower Glen Rose/Cow Creek	Monitoring Only	Active	Appendix 5
Cross-gradient Wells											
None											
Upgradient Wells											
CS-MW24-LGR	U.S. Government	260	299.5-324.5	0-295.5	Cement	325	2006	Lower Glen Rose	Monitoring Only	Active	CSSA

¹ Current water use: Dom - domestic; PS - public supply/municipal; Ind - industrial; Comm - commercial; Irr - irrigation; Liv - livestock

² Current status: Act - active; Ab - abandoned/not in use; SB - standby/backup; P&A - plugged and abandoned

³ Indicate the specific primary source of well information.

Table 2B - Affected Water Well Summary

No affected water wells at CSSA are associated with AOC 64 or SWMU B-71.

Table 2C - Complete or Reasonably Anticipated to be Complete Exposure Pathways

2.6.1.1 Table 2C. Complete or Reasonably Anticipated to be Complete Exposure Pathways

Exposure pathway	Surface soil ¹	Subsurface soil ²	Groundwater	Surface water/ sediment
Tot ³ SoilComb	✓	NA	NA	NA
Air ³ Soil _{Inh-V}	NA			
GW ³ Soil _{Ing} or GW ³ Soil _{Class3}	✓			
GW ³ GW _{Ing} or GW ³ GW _{Class3}	NA	NA		NA
Air ³ GW _{Inh-V}				
SW ³ GW				
Sed ³ GW				
SW ³ SW or ^{Sed} Sed				
Other (specify) ⁴				

Figure 2A - Potential Receptors Map

Figures 2A-1 and 2A-2 present the locations of potential receptors identified within at least a 500-foot radius of AOC 64 and SWMU B-71, respectively.

Figure 2B - Field Survey Photographs

Color copies of photographs depicting observations made during the 500-foot field survey conducted for both sites are presented in Figures 2B-1 through 2B-8.

Figure 2C - Water Well Map

Figure 2C includes a color aerial photo map illustrating the locations of CSSA water supply wells relative to a 1/2-mile radius of the sites. Drinking water wells appearing on the map include

¹ Residential: soils from 0-15 feet deep, or to bedrock or groundwater-bearing unit if shallower.
Commercial/industrial: soils from 0-5 feet deep, or to bedrock or groundwater-bearing unit if shallower.
² The vadose zone beneath the surface soil extending to the groundwater-bearing unit, and including unsaturated zones between stratified groundwater-bearing units.
³ Residential: $AirSoil_{Inh-Vp} + Soil_{Soil_{Ing}} + Soil_{Soil_{Derm}} + VegSoil_{Ing}$
Commercial/industrial: $AirSoil_{Inh-Vp} + Soil_{Soil_{Ing}} + Soil_{Soil_{Derm}}$
⁴ If other exposure pathways are identified here, include those pathways in the derivation of assessment levels and evaluation of critical PCLs.

CS-10 and CS-12. Neither of the wells fall within the ½-mile radius for evaluation, however, well completion data has been provided for each in Appendix 5.

Attachment 2A - Tier 1 Ecological Exclusion Criteria Checklist

A Tier 1 Ecological Exclusion Criteria Checklist is attached to this section.

Attachment 2B - Tier 1 Ecological Exclusion Criteria Supporting Documentation

Not applicable.

**Attachment 2A. Tier 1 Exclusion Criteria Checklist
AOC 64**

PART I. Affected Property Identification and Background Information

1) Provide a description of the specific area of the response action and the nature of the release. Include estimated acreage of the affected property and the facility property, and a description of the type of facility and/or operation associated with the affected property. Also describe the location of the affected property with respect to the facility property boundaries and public roadways.

AOC 64 consists of approximately two acres of undeveloped land in the CSSA Inner Cantonment identified for environmental investigation primarily due to the presence of munitions debris visible at the ground surface. Subsurface investigations conducted in March-June 2007 identified buried munitions debris and contaminated soil in an area approximately 1 acre in size. An interim removal action conducted in November 2008 through February 2009 addressed removal of all munitions debris, affected soil exceeding human health PCLs, and affected soil with COCs exceeding ecological risk screening benchmark values at a depth of less than 0.5 feet. The affected property is approximately 4,700 feet west of the nearest CSSA installation boundary.

Attach available USGS topographic maps and/or aerial or other affected property photographs to this form to depict the affected property and surrounding area. Indicate attachments:

Topo map Aerial photo Other (specify) _____

2) Identify environmental media known or suspected to contain chemicals of concern (COCs) at the present time. Check all that apply:

Known/Suspected COC Location	Based on sampling data?	
<input checked="" type="checkbox"/> Soil <5 ft below ground surface	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/> Soil >5 ft below ground surface	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Groundwater	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Surface Water/Sediments	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Explain (previously submitted information may be referenced):

Soil samples collected from depths ranging from ground surface to a maximum depth of 12 feet bgs were evaluated for VOC, SVOC, metals, perchlorate, and explosives constituent concentrations by laboratory analysis.

3) Provide the information below for the nearest surface water body which has become or has the potential to become impacted from migrating COCs via surface water runoff, air deposition, groundwater seepage, etc. Exclude wastewater treatment facilities and stormwater conveyances/impoundments authorized by permit. Also exclude conveyances, decorative ponds, and those portions of process facilities that are:

- a. Not in contact with surface waters in the State or other surface waters which are ultimately in contact with surface waters in the State; and

- b. Not consistently or routinely utilized as valuable habitat for natural communities including birds, mammals, reptiles, etc.

The nearest surface water body is 900 feet/miles from the affected property and is Salado Creek.

The water body is best described as a:

- freshwater stream:
 perennial (has water all year)
 intermittent (dries up completely for at least 1 week a year)
 intermittent with perennial pools
 freshwater swamp/marsh/wetland
 saltwater or brackish marsh/swamp/wetland
 reservoir, lake, or pond; approximate surface acres _____
 drainage ditch
 tidal stream bay estuary
 other; specify _____

Is the water body listed as a State classified segment in Appendix C of the current Texas Surface Water Quality Standards; §§307.1 - 307.10?

<input checked="" type="checkbox"/> Yes	Segment #	1910	Use Classification:	Contact recreation, public water supply, high aquatic life use.
<input type="checkbox"/> No	_____	_____		_____

If the water body is not a State classified segment, identify the first downstream classified segment.

Name: _____
Segment #: _____
Use Classification: _____

As necessary, provide further description of surface waters in the vicinity of the affected property:

CSSA is located in the watershed headwaters area of Salado Creek. Stream flow and the occurrence of pooled water in the area is generally associated with recent precipitation events.

PART II. Exclusion Criteria and Supportive Information

Subpart A. Surface Water/Sediment Exposure

1) Regarding the affected property where a response action is being pursued under the TRRP, have COCs migrated and resulted in a release or imminent threat of release to either surface waters or to their associated sediments via surface water runoff, air deposition, groundwater seepage, etc.? Exclude wastewater treatment facilities and stormwater conveyances/impoundments authorized by permit. Also exclude conveyances, decorative ponds, and those portions of process facilities which are:

- a. Not in contact with surface waters in the State or other surface waters which are ultimately in contact with surface waters in the State; and

b. Not consistently or routinely utilized as valuable habitat for natural communities including birds, mammals, reptiles, etc.

Yes No

Explain:

The closest surface water body is approximately 900 feet from the affected property. The surface water body is an intermittent flow branch of Salado Creek that is generally dry except after recent or extended rain events. Stormwater runoff from the site discharges to the creek branch. There are no COCs in soil at depths of less than 0.5 feet exceeding human health PCLs or ecological benchmark values. Therefore, there is no risk to human health or the environment associated with potential sediment transport from AOC 64 to the intermittent stream branch.

If the answer is yes to Subpart A above, the affected property does not meet the exclusion criteria. However, complete the remainder of Part II to determine if there is a complete and/or significant soil exposure pathway, then complete PART III - Qualitative Summary and Certification. If the answer is No, go to Subpart B.

Subpart B. Affected Property Setting

In answering “Yes” to the following question, it is understood that the affected property is not attractive to wildlife or livestock, including threatened or endangered species (i.e., the affected property does not serve as valuable habitat, foraging area, or refuge for ecological communities). (May require consultation with wildlife management agencies.)

1) Is the affected property wholly contained within contiguous land characterized by: pavement, buildings, landscaped area, functioning cap, roadways, equipment storage area, manufacturing or process area, other surface cover or structure, or otherwise disturbed ground?

Yes No

Explain:

The affected property is an undeveloped area of CSSA, is vegetated, and is surrounded by undeveloped land.

If the answer to Subpart B above is Yes, the affected property meets the exclusion criteria, assuming the answer to Subpart A was No. Skip Subparts C and D and complete PART III - Qualitative Summary and Certification. If the answer to Subpart B above is No, go to Subpart C.

Subpart C. Soil Exposure

1) Are COCs which are in the soil of the affected property solely below the first 5 feet beneath ground surface **or** does the affected property have a physical barrier present to prevent exposure of receptors to COCs in surface soil?

Yes No

Explain:

COCs reported in the soil are within the upper 5 feet of soil.

If the answer to Subpart C above is Yes, the affected property meets the exclusion criteria, assuming the answer to Subpart A was No. Skip Subpart D and complete PART III - Qualitative Summary and Certification. If the answer to Subpart C above is No, proceed to Subpart D.

Subpart D. *De Minimus* Land Area

In answering “Yes” to the question below, it is understood that all of the following conditions apply:

- The affected property is not known to serve as habitat, foraging area, or refuge to threatened/endangered or otherwise protected species. (Will likely require consultation with wildlife management agencies.)
- Similar but unimpacted habitat exists within a half-mile radius.
- The affected property is not known to be located within one-quarter mile of sensitive environmental areas (e.g., rookeries, wildlife management areas, preserves). (Will likely require consultation with wildlife management agencies.)
- There is no reason to suspect that the COCs associated with the affected property will migrate such that the affected property will become larger than one acre.

1) Using human health protective concentration levels as a basis to determine the extent of the COCs, does the affected property consist of one acre or less and does it meet all of the conditions above?

Yes No

Explain how conditions are met/not met:

Confirmed habitat area for the Golden-Cheeked Warbler has been identified in the area including AOC 64.

If the answer to Subpart D above is Yes, then no further ecological evaluation is needed at this affected property, assuming the answer to Subpart A was No. Complete PART III - Qualitative Summary and Certification. If the answer to Subpart D above is No, proceed to Tier 2 or 3 or comparable ERA.

PART III. Qualitative Summary and Certification (complete in all cases.)

Attach a brief statement (not to exceed 1 page) summarizing the information you have provided in this form. This summary should include sufficient information to verify that the affected property meets or does not meet the exclusion criteria. The person should make the initial decision regarding the need for further ecological evaluation (i.e., Tier 2 or 3) based upon the results of this checklist. After review, TCEQ will make a final determination on the need for

**Attachment 2A. Tier 1 Exclusion Criteria Checklist
SWMU B-71**

PART I. Affected Property Identification and Background Information

1) Provide a description of the specific area of the response action and the nature of the release. Include estimated acreage of the affected property and the facility property, and a description of the type of facility and/or operation associated with the affected property. Also describe the location of the affected property with respect to the facility property boundaries and public roadways.

SWMU B-71 consists of approximately two and one-half acres of undeveloped land in the CSSA Inner Cantonment identified for environmental investigation primarily due to the presence of munitions debris visible at the ground surface. Subsurface investigations conducted in March-June 2007 identified buried munitions debris and contaminated soil in an area approximately 1 acre in size. An interim removal action conducted in November 2008 through February 2009 addressed removal of all munitions debris, affected soil exceeding human health PCLs, and affected soil with COCs exceeding ecological risk screening benchmark values at a depth of less than 0.5 feet. The affected property is approximately 2,500 feet east of the nearest CSSA installation boundary.

Attach available USGS topographic maps and/or aerial or other affected property photographs to this form to depict the affected property and surrounding area. Indicate attachments:

Topo map Aerial photo Other (specify) _____

2) Identify environmental media known or suspected to contain chemicals of concern (COCs) at the present time. Check all that apply:

Known/Suspected COC Location	Based on sampling data?	
<input checked="" type="checkbox"/> Soil <5 ft below ground surface	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/> Soil >5 ft below ground surface	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Groundwater	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Surface Water/Sediments	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Explain (previously submitted information may be referenced):

Soil samples collected from depths ranging from ground surface to a maximum depth of 12 feet bgs were evaluated for VOC, SVOC, metals, and explosives constituent concentrations by laboratory analysis.

3) Provide the information below for the nearest surface water body which has become or has the potential to become impacted from migrating COCs via surface water runoff, air deposition, groundwater seepage, etc. Exclude wastewater treatment facilities and stormwater conveyances/impoundments authorized by permit. Also exclude conveyances, decorative ponds, and those portions of process facilities that are:

- a. Not in contact with surface waters in the State or other surface waters which are ultimately in contact with surface waters in the State; and
- b. Not consistently or routinely utilized as valuable habitat for natural communities including birds, mammals, reptiles, etc.

The nearest surface water body is 350 ~~feet~~ miles from the affected property and is Salado Creek.

The water body is best described as a:

- freshwater stream:
 - perennial (has water all year)
 - intermittent (dries up completely for at least 1 week a year)
 - intermittent with perennial pools
- freshwater swamp/marsh/wetland
- saltwater or brackish marsh/swamp/wetland
- reservoir, lake, or pond; approximate surface acres _____
- drainage ditch
- tidal stream bay estuary
- other; specify _____

Is the water body listed as a State classified segment in Appendix C of the current Texas Surface Water Quality Standards; §§307.1 - 307.10?

- | | | | | | |
|-------------------------------------|-----|-----------|-------|---------------------|--|
| <input checked="" type="checkbox"/> | Yes | Segment # | 1910 | Use Classification: | <u>Contact recreation, public water supply, high aquatic life use.</u> |
| <input type="checkbox"/> | No | _____ | _____ | | _____ |

If the water body is not a State classified segment, identify the first downstream classified segment.

Name: _____
Segment #: _____
Use Classification: _____

As necessary, provide further description of surface waters in the vicinity of the affected property:

CSSA is located in the watershed headwaters area of Salado Creek. Stream flow and the occurrence of pooled water in the area is generally associated with recent precipitation events.

PART II. Exclusion Criteria and Supportive Information

Subpart A. Surface Water/Sediment Exposure

1) Regarding the affected property where a response action is being pursued under the TRRP, have COCs migrated and resulted in a release or imminent threat of release to either surface waters or to their associated sediments via surface water runoff, air deposition, groundwater seepage, etc.? Exclude wastewater treatment facilities and stormwater conveyances/impoundments authorized by permit. Also exclude conveyances, decorative ponds, and those portions of process facilities which are:

- a. Not in contact with surface waters in the State or other surface waters which are ultimately in contact with surface waters in the State; and

- b. Not consistently or routinely utilized as valuable habitat for natural communities including birds, mammals, reptiles, etc.

Yes No

Explain:

The closest surface water body is approximately 350 feet from the affected property. The surface water body is an intermittent flow branch of Salado Creek that is generally dry except after recent or extended rain events. Stormwater runoff from the site discharges to the creek branch. There are no COCs in soil at depths of less than 0.5 feet exceeding human health PCLs or ecological benchmark values. Therefore, there is no risk to human health or the environment associated with potential sediment transport from AOC 64 to the intermittent stream branch.

If the answer is yes to Subpart A above, the affected property does not meet the exclusion criteria. However, complete the remainder of Part II to determine if there is a complete and/or significant soil exposure pathway, then complete PART III - Qualitative Summary and Certification. If the answer is No, go to Subpart B.

Subpart B. Affected Property Setting

In answering “Yes” to the following question, it is understood that the affected property is not attractive to wildlife or livestock, including threatened or endangered species (i.e., the affected property does not serve as valuable habitat, foraging area, or refuge for ecological communities). (May require consultation with wildlife management agencies.)

- 1) Is the affected property wholly contained within contiguous land characterized by: pavement, buildings, landscaped area, functioning cap, roadways, equipment storage area, manufacturing or process area, other surface cover or structure, or otherwise disturbed ground?

Yes No

Explain:

The affected property is an undeveloped area of CSSA, is vegetated, and is surrounded by undeveloped land.

If the answer to Subpart B above is Yes, the affected property meets the exclusion criteria, assuming the answer to Subpart A was No. Skip Subparts C and D and complete PART III - Qualitative Summary and Certification. If the answer to Subpart B above is No, go to Subpart C.

Subpart C. Soil Exposure

- 1) Are COCs which are in the soil of the affected property solely below the first 5 feet beneath ground surface **or** does the affected property have a physical barrier present to prevent exposure of receptors to COCs in surface soil?

Yes No

Explain:

COCs reported in the soil are within the upper 5 feet of soil.

If the answer to Subpart C above is Yes, the affected property meets the exclusion criteria, assuming the answer to Subpart A was No. Skip Subpart D and complete PART III - Qualitative Summary and Certification. If the answer to Subpart C above is No, proceed to Subpart D.

Subpart D. De Minimus Land Area

In answering “Yes” to the question below, it is understood that all of the following conditions apply:

- The affected property is not known to serve as habitat, foraging area, or refuge to threatened/endangered or otherwise protected species. (Will likely require consultation with wildlife management agencies.)
- Similar but unimpacted habitat exists within a half-mile radius.
- The affected property is not known to be located within one-quarter mile of sensitive environmental areas (e.g., rookeries, wildlife management areas, preserves). (Will likely require consultation with wildlife management agencies.)
- There is no reason to suspect that the COCs associated with the affected property will migrate such that the affected property will become larger than one acre.

1) Using human health protective concentration levels as a basis to determine the extent of the COCs, does the affected property consist of one acre or less and does it meet all of the conditions above?

Yes No

Explain how conditions are met/not met:

Although the specific area of SWMU B-71 is not within the portions of CSSA that are known to potentially serve as foraging and nesting areas for the Golden-Cheeked Warbler and the Black-Capped Vireo, they are known to be present at the installation. Confirmed habitat area for the Golden-Cheeked Warbler has been identified approximately 1,500 feet northwest of the site.

If the answer to Subpart D above is Yes, then no further ecological evaluation is needed at this affected property, assuming the answer to Subpart A was No. Complete PART III - Qualitative Summary and Certification. If the answer to Subpart D above is No, proceed to Tier 2 or 3 or comparable ERA.

PART III. Qualitative Summary and Certification (complete in all cases.)

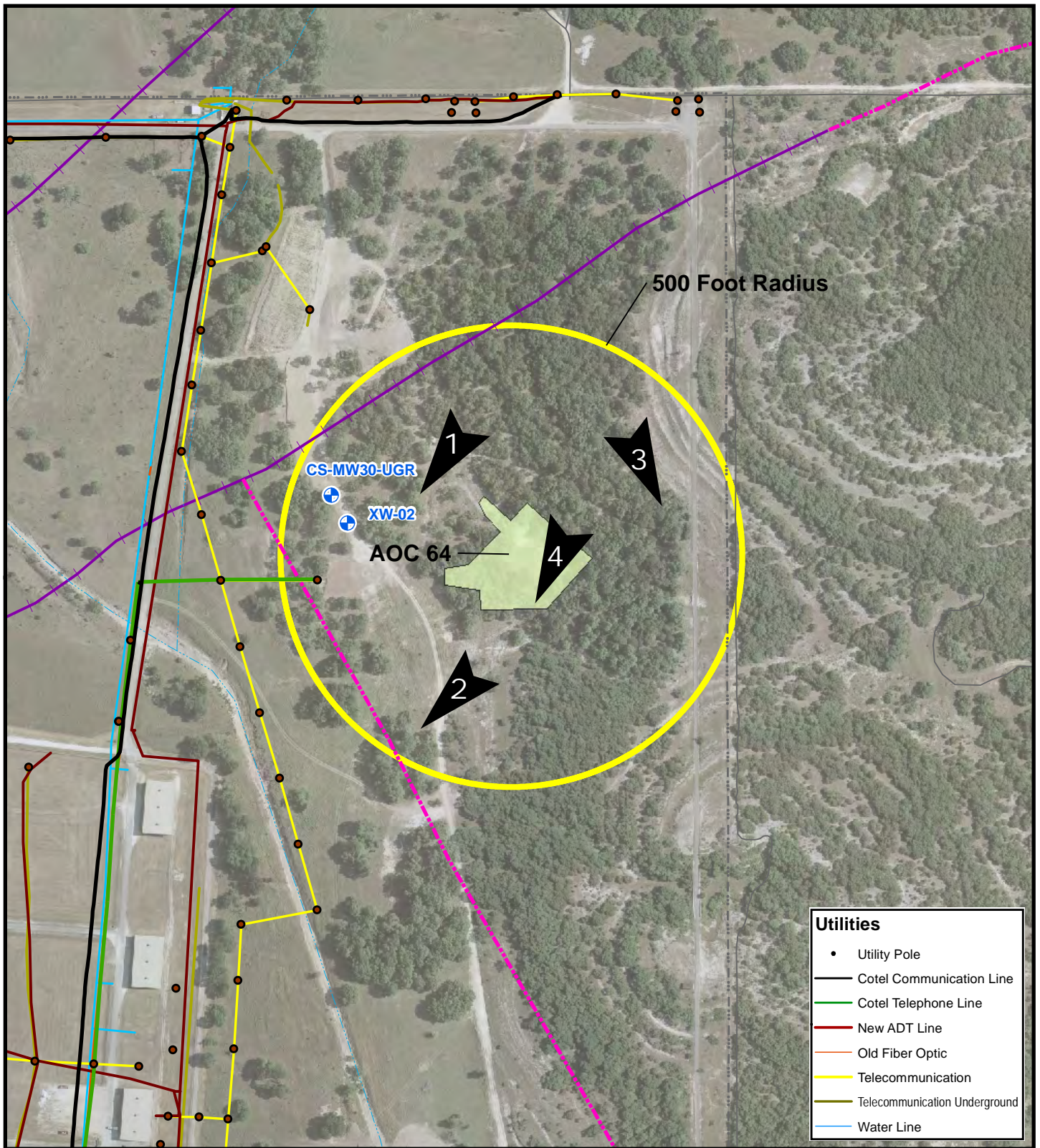
Attach a brief statement (not to exceed 1 page) summarizing the information you have provided in this form. This summary should include sufficient information to verify that the affected property meets or does not meet the exclusion criteria. The person should make the initial decision regarding the need for further ecological evaluation (i.e., Tier 2 or 3) based upon the results of this checklist. After review, TCEQ will make a final determination on the need for

further assessment. **Note that the person has the continuing obligation to re-enter the ERA process if changing circumstances result in the affected property not meeting the Tier 1 exclusion criteria.**

Completed by	E. Michael Chapa, P.G.	(Typed/Printed Name)
	_____	(Title)
	Project Manager, Weston Solutions, Inc.	(Date)

I believe that the information submitted is true, accurate, and complete, to the best of my knowledge.

	(Typed/Printed Name of Person)
	(Title of Person)
	(Signature of Person)
	(Date Signed)



Utilities	
•	Utility Pole
—	Cotel Communication Line
—	Cotel Telephone Line
—	New ADT Line
—	Old Fiber Optic
—	Telecommunication
—	Telecommunication Underground
—	Water Line

Legend

- Water Wells
- Facility Roadways
- Site Investigation Area
- 500 Foot Radius
- Surface Water Course
- Inferred Fault Line
- Mapped Fault Line
- Photo Location Spot

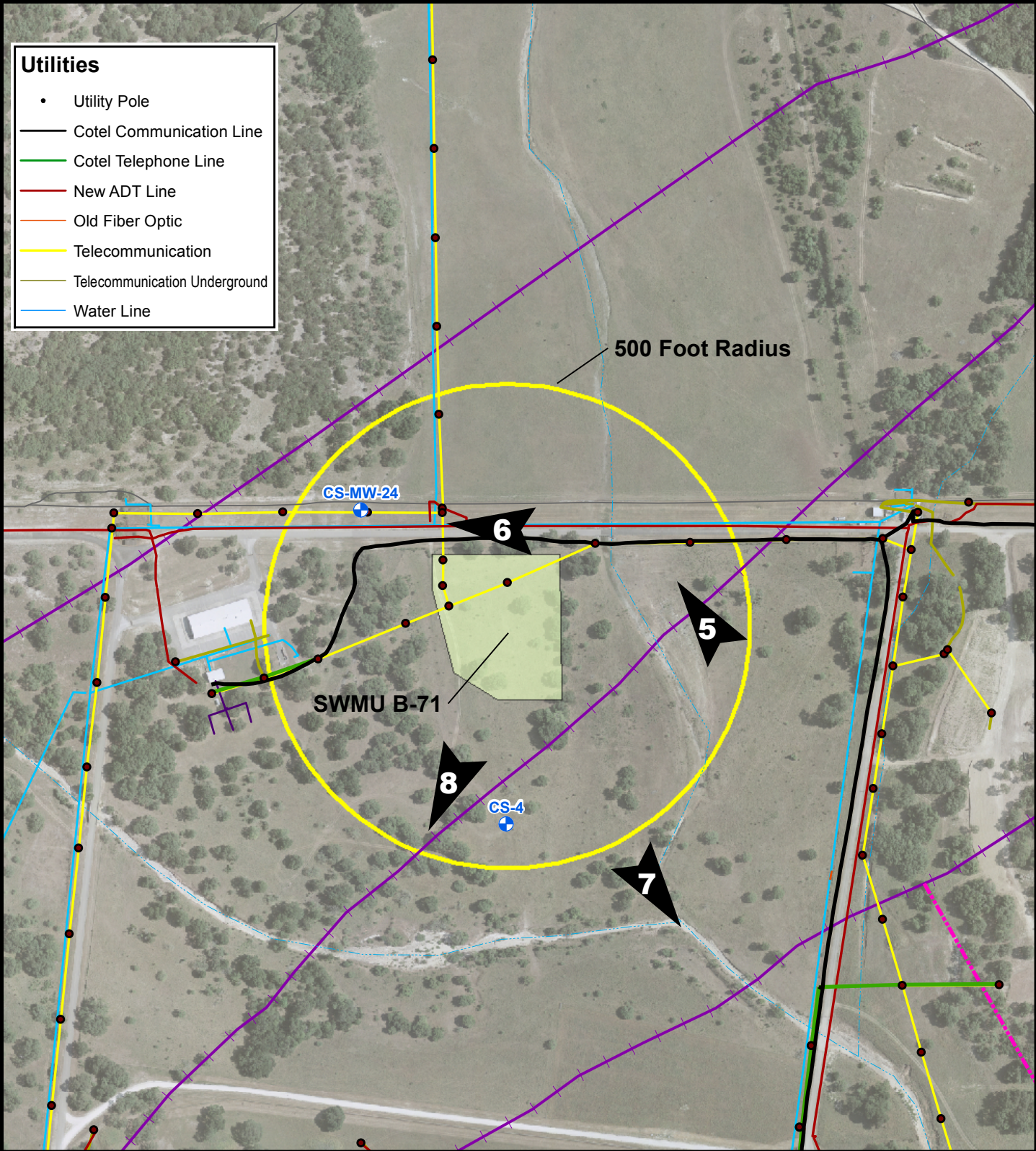


Figure 2A-1
 AOC 64 Receptor Survey
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity,
 Boerne, Texas

DATE JUN 2011	PROJECT NO 03886.529.004.0020	SCALE AS SHOWN
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Utilities

- Utility Pole
- Cotel Communication Line
- Cotel Telephone Line
- New ADT Line
- Old Fiber Optic
- Telecommunication
- Telecommunication Underground
- Water Line



500 Foot Radius

CS-MW-24

SWMU B-71

CS-4



Legend

- Water Wells
- Surface Water Course
- Facility Roadways
- Inferred Fault Line
- Site Investigation Area
- Mapped Fault Line
- 500 Foot Radius
- Photo Location Spot



Figure 2A-2
 SMWU B-71 Receptor Survey
 Affected Property Assessments
 AOC 64 and SMWU B-71
 Camp Stanley Storage Activity,
 Boerne, Texas

DATE JUN 2011	PROJECT NO 03886.529.004.0020	SCALE AS SHOWN
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Figure 2B-1: View of vegetated clearing on northwest side of AOC 64, looking southwest.



Figure 2B-2: View of vegetated clearing on southwest side of AOC 64, looking southwest.



Figure 2B-3: View of vegetated clearing on northeast side of AOC 64, looking southeast.



Figure 2B-4: View of trees and brush located in the southwest corner of AOC 64, looking southwest.



Figure 2B-5: View of dry branch of Salado Creek to the east of SWMU B-71, looking northwest.



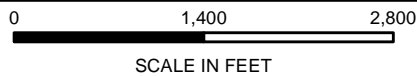
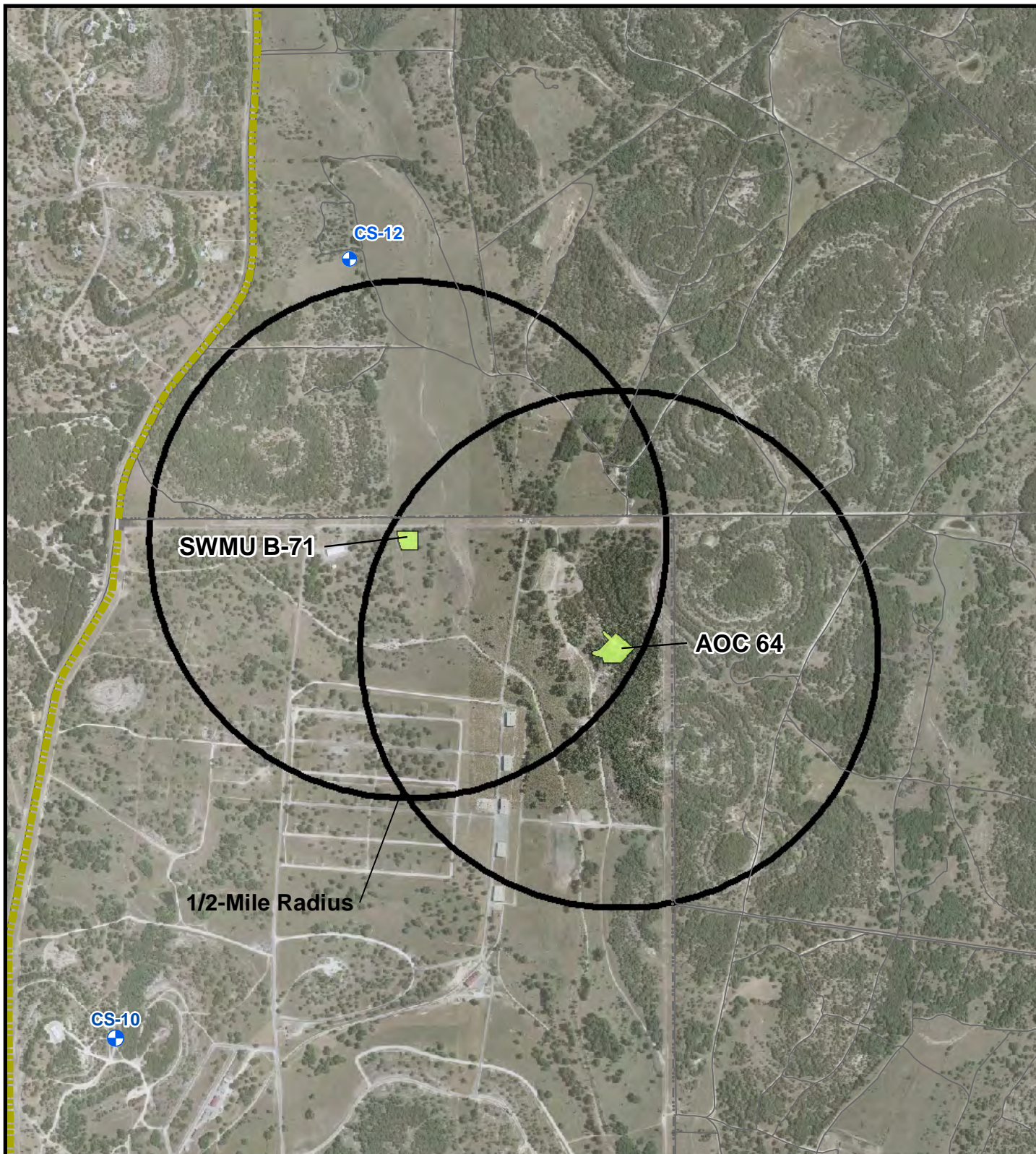
Figure 2B-6: View of North Outer Road easement to the north adjacent to SWMU B-71, looking west.



Figure 2B-7: View of Salado Creek to the southwest of SWMU B-71, looking east.



Figure 2B-8: View of undeveloped area south of SWMU B-71, looking south.



Legend

- Water Wells
- Facility Roadways
- Site Investigation Area
- 1/2-Mile Radius
- Interior Fence
- Installation Boundaries

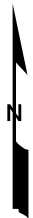


Figure 2C
 Water Well Summary
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity,
 Boerne, Texas

DATE JUN 2011	PROJECT NO 03886.529.004.0020	SCALE AS SHOWN
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3 ASSESSMENT STRATEGY

3.1 GENERAL ASSESSMENT ISSUES

Environmental Media Assessed

Potentially complete exposure pathways at AOC 64 and SWMU B-71 are direct contact with surface soil ($^{Tot}Soil_{Comb}$) for site visitors and soil-to-groundwater cross-media contamination ($^{GW}Soil_{Ing}$). Tier 1 $^{Tot}Soil_{Comb}$ PCLs and Tier 1/Tier 2 $^{GW}Soil_{Ing}$ PCLs (residential land use, 30-acre source area) are not exceeded in currently existing surface soil for any constituents at any sample location. Vertical delineation to laboratory MQLs or background for primary site COCs (i.e., metals) exceeding Tier 1 PCLs was achieved at a depth of less than 15 feet bgs without encountering groundwater at any of the AOC 64 and SWMU B-71 locations investigated. As such, surface soil (assumed as 0-15 feet bgs for residential land use) was the only environmental medium assessed for both sites.

Target COCs

The selected analytical suite for each site was based on the known use of the sites for the subsurface disposal of undetermined material, potentially including MEC, as well as considering disposed items observed in the field during the assessments. Soil samples collected during the initial release determination sampling at the sites were analyzed for VOCs (USEPA Method SW846-8260B), SVOCs (USEPA Method SW846-8270C), explosives (USEPA method SW846-8330), and a CSSA-specific list of metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, zinc). In addition, initial release detection samples at AOC 64 were tested for perchlorate concentrations (USEPA Method 314.0) based on the presence of demilitarized rocket motors and spent aerial flares. Based on the presence of a localized area of buried electronics wastes, two samples from SWMU B-71 were submitted for determination of PCB concentrations (USEPA Method SW846-8082).

Field observations obtained during the March 2007 trenching investigations indicated the presence of affected soil, munitions debris, and other incidental wastes at the ground surface and

minimal. Exceptions to this assumption of a generally random and incidental distribution of R-flagged constituent occurrence include the following:

- Results for the explosive constituent tetryl in the majority of samples collected during the initial March 2007 investigation at both SWMU B-71 and AOC 64.
- Tetryl and 2,4,6-trinitrotoluene for sidewall samples SWMUB71-SW1 through SWMUB71-SW11 and SWMUB71-F1 and SWMUB71-F2.
- The entire explosive suite constituent list at AOC64-A2 (0.0-0.5 feet bgs and 2.5-3.0 feet bgs); AOC64-B-1(0.0-0.5 feet bgs); AOC64-B1 (2.5-3.0 feet bgs); AOC64-B3 (6.0-6.5 feet bgs); AOC64-C1 (0.0-0.5 feet bgs); AOC64-C1 (3.0-3.5 feet bgs); SWMUB71-A3 (3.5-4.0 feet bgs); SWMUB71-A4 (3.5-4.0 feet bgs); SWMUB71-A5 (4.0-4.5 feet bgs); SWMUB71-A8 (2.5-3.0 feet bgs); SWMUB71-B4 (4.0-5.0 feet bgs), SWMUB71-B4 (5.0-6.0 feet bgs); and SWMUB71-P7 (1.0-2.0 feet bgs).
- VOC constituent results at AOC64-A1 (0.0-0.5), SWMUB71-B1 (4.0-4.5 feet bgs); SWMUB71-B1 (7.5-8.0 feet bgs); SWMUB71-B2 (4.5-5.0 feet bgs); SWMUB71-B3 (0.0-0.5 feet bgs); SWMUB71-B3 (4.0-4.5 feet bgs); SWMUB71-B4 (4.0-5.0 feet bgs); SWMUB71-B4 (5.0-6.0 feet bgs); SWMUB71-C1 (0.0-0.5 feet bgs); SWMUB71-C1 (4.0-4.5 feet bgs); SWMUB71-C1 (9.0-9.5 feet bgs); SWMUB71-C2 (0.0-0.5 feet bgs); SWMUB71-C2 (4.5-5.0 feet bgs); SWMUB71-C2 (7.5-8.0 feet bgs); SWMUB71-C3 (6.5-7.0 feet bgs); SWMUB71-C4 (9.5-10.0 feet bgs); and SWMUB71-P8 (1.0-2.0).

For each of the March 2007 sample locations listed above, acceptable site COC conditions were confirmed by IRA floor and sidewall sample results or by unqualified results for other samples collected at the same location. Tetryl and 2,4,6-trinitrotoluene conditions for the SWMU B-71 sidewall and floor samples were confirmed by resampling four of the original 11 sidewall locations and one of the two floor sample locations, all with unqualified non-detect results. All R-flagged sample concentrations and follow-up sample results are presented in Table 4D-1 (AOC 64) and Table 4D-2 (SWMU B-71).

A number of “critical” sample locations (i.e., sample locations providing delineation of impact or maximum remaining concentrations) results at both AOC 64 and SWMU B-71 were identified

buried at both AOC 64 and SWMU B-71. Sample analytical results from the preliminary assessment at the sites indicated the following COCs above Tier 1 human health critical PCLs:

- AOC 64: barium, cadmium, copper, lead, mercury, zinc, 2,4-dinitrotoluene, and benzene
- SWMU B-71: copper, lead, nickel, zinc, 2,4-dinitrotoluene, n-nitrosodiphenylamine, and benzene

IRA confirmation samples were collected for a determination of full-suite VOC, SVOC, metals, and explosives concentrations in residual soils. All final IRA confirmation samples (i.e., currently existing conditions) collected at both AOC 64 and SWMU B-71 indicated each of the constituent suites evaluated were below Tier 1 or Tier 2 critical PCLs.

Background

A background metals concentration evaluation was previously conducted for CSSA and is documented in the report titled Evaluation of Background Metals Concentrations in Soils and Bedrock (CSSA, 2002). The report was reviewed and approved by TCEQ in correspondence dated 23 April 2002 (see Appendix 8). A copy of the TCEQ letter approving the background metals report and a table obtained from the background metals report presenting the 95 percent upper confidence limit (95% UCL) of the range of naturally occurring metals concentrations at CSSA is provided in Appendix 8. Texas State Median concentrations were also referenced in determining background metals concentrations for the subject assessments.

3.2 ASSESSMENT STRATEGY

General Assessment Approach

The objective of the affected property assessment was to determine the nature and extent of buried munitions related debris and residual environmental contamination at AOC 64 and SWMU B-71. Subsurface exploratory trenching and sampling locations were selected based on results of an electrical conductance geophysical survey and on review of historical aerial photos of the site. The collection of soil samples was accomplished through the excavation of exploratory trenches utilizing a backhoe and hand augers. Confirmation samples of soil remaining in place following IRA activities at both sites were also collected to assess current site

conditions. A copy of the geophysical survey report is attached in Appendix 11. A figure presenting an overlay of geophysical anomalies identified and suspect features identified during the review of historical aerial photos relative to the area investigated is also provided in Appendix 11 as Figures A11-1 and A11-2 for AOC 64 and SWMU B-71, respectively.

Sampling Approach

Initial site investigation activities conducted in March 2007 consisted of advancing six exploratory trenches in areas identified with conductivity survey anomalies, aerial photo features, or ground surface conditions potentially indicative of buried material or disturbed soil. Soil samples were collected at depth intervals representing ground surface to the depth of underlying bedrock, including representative samples from the bottom of each excavation and from intermediary depths to evaluate potential impact. Soil samples were screened with a photo-ionization detector (PID) for VOCs to help in evaluating the presence of potentially impacted materials. Field screening results did not indicate the presence of volatile contaminants and, therefore, were generally not used for selecting soil samples to be submitted for laboratory analysis. Exploratory trench locations and metals COC results exceeding Tier 1 PCLs during the March 2007 investigation are presented in Appendix 11, Figures A11-3 (AOC 64) and A11-4 (SWMU B-71).

Based on the results of the March 2007 investigation, a second round of samples was collected in June 2007 to verify the presence of metals exceeding Tier 1 PCLs at selected shallow surface locations and to evaluate leaching potential by conducting analysis by SPLP. Sample points (depth in feet) were placed with geographic information system (GIS) coordinates obtained during the March 2007 investigation to verify conditions at previously sampled locations as follows:

AOC 64

AOC64-A2 (0.0-0.5 feet bgs); AOC64-P3 (0.0-0.5 feet bgs); AOC64-P5 (0.0-0.5 feet bgs); AOC64-P7 (0.0-0.5 feet bgs); AOC64-P8 (0.0-0.5 feet bgs); AOC64-P9 (0.0-0.5 feet bgs); AOC64-P10 (0.0-0.5 feet bgs); AOC64-P13 (0.0-0.5 feet bgs)

SWMU B-71

SWMUB71-P5 (1.0-2.0 feet bgs); SWMUB71-P10 (0.0-0.5 feet bgs)

IRA confirmation sampling was conducted at a frequency of approximately one sample per 33 linear feet of excavation sidewall. Confirmation samples were collected at a frequency of approximately one sample per 2,500 square feet of excavation floor.

To support calculation of a site-specific Tier 2 ^{GW}Soil_{Ing} PCL for inorganic COCs, samples were collected in January 2009 from unconsolidated limestone formation deposits representative of native conditions underlying buried materials for a determination of pH by USEPA Method SW9045B. To support calculation of a site-specific Tier 2 ^{GW}Soil_{Ing} PCL for organic COCs, each of these limestone formation samples was also analyzed for a determination of fraction organic carbon (FOC) by the Walkley-Black Method. Based on results for these tests, default Tier 1 FOC values were used to estimate VOC leaching potential at AOC 64. Previously collected surface soil FOC values from a Camp Stanley site with similar surface soil organic content properties (AOC 63) were utilized to generate Tier 2 ^{GW}Soil_{Ing} PCLs for benzene and n-nitrosodiphenylamine at SWMU B-71. Results of the geotechnical parameter analyses are provided on Table 4E of Section 4 and were utilized as applicable in determination of Tier 2 ^{GW}Soil_{Ing} PCLs presented in Section 11.

Surface Water and Sediment Assessment

Vertical delineation of primary site COCs (i.e., metals) was obtained prior to encountering groundwater and topographic downgradient delineation of soil impact was defined to residential assessment levels (RALs)/ecological screening benchmark values at both sites prior to encountering surface water bodies except as follows:

- AOC 64: surface soil impact from barium, cadmium, mercury

Continued assessment and downgradient delineation of impact from barium, cadmium, and mercury originating at AOC 64 is currently being obtained as part of assessment and removal activities being conducted for adjacent site SWMU B-4. Any need for sediment or surface water

sampling associated with COCs which have migrated in the downgradient direction will be captured by the APA for that site.

Utilities

Both AOC 64 and SWMU B-71 are located in generally undeveloped portions of CSSA. Currently, there are no underground utilities present within a 500-foot radius of AOC 64. Based on the delineation of impact to soils obtained during nature and extent investigations and during the IRA confirmation sampling, underground utilities in the vicinity of SWMU B-71 (i.e., within the easement of North Outer Road) are not anticipated to have provided a potential migration pathway for COCs formerly present or still in place at the site and were therefore not investigated during the APA.

Assessment Methods

Samples collected during the March 2007 trenching investigation and during the IRA were obtained directly from the open excavation if less than 3 feet in depth or, for samples from lower depths, by backhoe bucket. When collecting soil samples from a backhoe bucket, the equipment operator was directed to remove a volume of soil clear of any sloughed material and at the specific depth interval to be sampled. Samples were then collected from soils that had not come into contact with the backhoe bucket walls.

Samples collected in June 2007 to confirm the presence of metals COCs and for SPLP analysis were collected with a hand auger. Hand augers were decontaminated between sample locations with a detergent scrub and a double distilled-water rinse.

IRA confirmation samples were collected directly from exposed soils with hand tools or from the excavator bucket. Follow up surface soil sampling conducted in 2011 was conducted with hand tools. All samples were collected with disposable nitrile gloves, disposable scoops or disposable sample kits (VOCs only). VOC samples were collected with a TerraCore® disposable sampler and placed into 40 ml volatile organic analyte (VOA) containers preserved with methanol. Samples from unconsolidated limestone formation materials were collected by hand and directly placed into unpreserved glass containers.

Field screening of soils for volatile organic vapors during the initial 2007 investigation and during the IRA was conducted with a Mini-Rea PID unit that was calibrated at the beginning of each day. A summary of field screening results is presented in Appendix 2 on Tables A2-1 and A2-2. Based on the nature of PID readings observed during the initial investigation, and because the general objective of the subsequent events to re-characterize locations already sampled, field-screening of soils was not conducted during the June 2007 sample event or during the 2011 follow up sampling.

Data Quality

The initial release detection analytical data suite of VOCs, SVOCs, explosives, and metals was based on sampling conducted for historical release determination activities conducted at CSSA pursuant to the requirements of the USEPA Order. Limited analysis of perchlorate (AOC 64) and PCBs (SWMU B-71) was conducted based on site-specific observations of disposed materials. Although laboratory MQLs exceeded Tier 1 PCLs for a limited number of explosives, VOC and SVOC constituents, analyte detection limits were considered appropriate for evaluating site conditions based on adherence to data quality objectives of the TCEQ approved Camp Stanley Quality Assurance Program Plan (QAPP) and follow up correspondence from the analytical laboratory indicating all SQLs represent method detection limits adjusted for moisture content or, in limited instances, dilution factors. Additional information on the specific compounds with laboratory MQLs exceeding Tier 1 PCLs is presented in Section 4. Data Usability Summary (DUS) Reports for all laboratory analytical results are provided in Appendix 10.

Data qualifiers applied to laboratory analytical results per the requirements of the CSSA QAPP included a number of instances of R-flagged values indicating the data point fails specific quality control criteria. With the exception of one sample result for methyl bromide at AOC 64, one naphthalene sample result at AOC 64, and four sample results for m,p-xylene at SWMU B-71, all of these R-flagged constituent results were originally U-flagged (i.e., the constituent was not detected at reportable quantities) by the laboratory. In general, these R-flagged values are present at a frequency so that their overall impact to the evaluation of site conditions was

with QA/QC issues requiring data flags indicative of estimated COC concentrations. Critical samples for ecological risk assessment purposes have been assumed to be from the 0.0-0.5 foot bgs sample interval. A summary of those qualified sample results and how they were used in characterizing site conditions under the APA is presented for AOC 64 and SWMU B-71 below.

AOC 64

A significant number of metals results required application of an M or J qualifier during the data usability review process, or were J-flagged in the original analytical laboratory report. The M qualifiers were typically applied due to recovery issues between field duplicates or matrix spike/matrix spike duplicates. M- and J-flagged metals results were generally 1 to 2 orders of magnitude below their respective RALs or ecological benchmark screening values. If not, the estimated concentrations were later supported by unqualified follow-on sample results. Exceptions include J-flagged mercury concentrations for samples collected at AOC64-P4 (0.0-0.5 feet bgs), AOC64-P9 (0.0-0.5 feet bgs), AOC64-P11 (0.0-0.5 feet bgs), and AOC64-P18 (0.0-0.5 feet bgs). The J-flagged results for these samples are less than 1 order of magnitude below the CSSA background mercury concentration, which was utilized as the ecological risk screening benchmark value at AOC 64. Additionally, barium at AOC64-P1 (0.0-0.5 feet bgs), and AOC64-P22 (0.0-0.5) are less than 1 order of magnitude below the ecological risk screening benchmark value of 330 mg/kg. A discussion of the assumed effect of these estimated sample results on potential risk to ecological receptors is presented in Section 9.

A number of benzene results were M- or J-flagged in their respective original laboratory reports or during the data usability review process. As with the qualified metals results, all estimated benzene concentrations were 1 to 2 orders of magnitude below the cPCL for protection of human health (the ecological risk screening value for benzene is orders of magnitude greater than the human health cPCL).

M- and J-flagged sample results at or greater than 1 order of magnitude less than the cPCL or ecological risk screening benchmark values have been considered to be appropriate for use in characterizing the nature and extent of site COCs at AOC 64 within

this APAR. Section 9 presents a discussion of the use of M- and J-flagged mercury and barium concentrations less than 1 order of magnitude under the ecological risk screening benchmark value.

SWMU B-71

A significant number of metals results required application of an “M” qualifier during the data usability review process, defined by the Camp Stanley QAPP as results with an indicated sample matrix effect on reported concentrations, or were J-flagged in the original analytical laboratory report. The M qualifiers were typically applied due to recovery issues between field duplicates or matrix spike/matrix spike duplicates. M- and J-flagged metals results were generally 1 to 2 orders of magnitude below their respective RALs or ecological benchmark screening values. If not, the estimated concentrations were later supported by unqualified follow-on sample results. An exception to this is present in nickel results for several excavation sidewall samples: SWMUB71-SW2 (6.0 feet bgs), SWMUB71-SW3 (6.0 feet bgs), SWMUB71-SW4 (8.0 feet bgs), SWMUB71-SW5 (5.5 feet bgs), SWMUB71-SW6 (4.0 feet bgs), SWMUB71-SW7 (5.5 feet bgs), SWMUB71-SW8 (7.0 feet bgs), SWMUB71-SW9 (6.0 feet bgs), SWMUB71-SW10 (7.0 feet bgs), and SWMUB71-SW11 (5.0 feet bgs). Although these estimated concentrations are within an order of magnitude of the cPCL for nickel, the critical concentration is the Tier 1 PCL for the ^{GW}Soil_{Ing} pathway. Calculated Tier 2 PCLs for other site metals COCs indicate site soil conditions have a mitigating effect on potential leaching, and, as such, the estimated concentrations are not considered to present a threat to the indicated exposure pathway.

A number of benzene results were M- or J-flagged in their respective original laboratory reports or during the data usability review process. As with the qualified metals results, all estimated benzene concentrations were 1 to 2 orders of magnitude below the cPCL for protection of human health (the ecological risk screening value for benzene is orders of magnitude greater than the human health cPCL).

M- and J-flagged sample results at or greater than 1 order of magnitude less than the cPCL or ecological risk screening benchmark values have been considered to be

appropriate for use in characterizing the nature and extent of site COCs at SWMU B-71 within this APAR.

Table 3A - Underground Utilities

Table 3A presents underground utilities within or immediately adjacent to SWMU B-71. No subsurface utilities are present within 500 feet of AOC 64. Based on the location of the utilities with respect to known source areas at SWMU B-71, and on the nature of primary site COCs (metals), no subsurface utilities are threatened, affected or suspected to be preferential migration pathways of site contaminants. Subsurface utilities within 500 feet of SWMU B-71 are presented on Figure 2A-2.

Table 3A. Underground Utilities: SWMU B-71

Utility type	Construction material	Backfill material	Approx. depth (ft)	Utility company name	Potential migration pathway?		Affected?	
					Yes	No	Yes	No
Cotel Communication Lines	copper	Unknown	1-2	CSSA		No		No
New ADT Line	fiber optic	Unknown	2	CSSA		No		No
Water	Unknown	Unknown	1.5-2.5	CSSA		No		No

4 SOIL ASSESSMENT

A summary of soil assessment activities and results is provided in this section. In addition, a discussion of the derivation of assessment levels and nature and extent of COCs in soil is also provided.

In March 2007, WESTON collected soil samples from intervals ranging from the ground surface to depths representing the upper contact of bedrock at AOC 64 and SWMU B-71. Samples were analyzed for explosives, perchlorate, SVOCs, VOCs, and a prescribed CSSA list of metals; arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, zinc. The following chemical constituents exceeded their critical Tier 1 PCL (PCLs were based on assumed residential land use and a 30-acre source area) in samples collected during initial investigation sampling and have been evaluated as COCs:

- AOC 64: barium, cadmium, copper, lead, mercury, zinc, 2,4-dinitrotoluene, and benzene
- SWMU B-71: copper, lead, nickel, zinc, 2,4-dinitrotoluene, n-nitrosodiphenylamine, and benzene

Additional surface samples (i.e., depths less than or equal to 1 foot bgs) were collected in June 2007 to confirm the presence and concentration of metals COCs at AOC 64 and SWMU B-71. In addition, samples were submitted for laboratory analysis of SPLP concentrations for soils with total metals concentrations exceeding Tier 1 ^{GW}Soil_{Ing} PCLs.

Based on visual observations of buried munitions debris and laboratory analytical results indicating multiple COCs with maximum concentrations exceeding Tier 1 PCLs, IRAs were conducted from December 2008 through February 2009 at AOC 64 and SWMU B-71. The IRAs were conducted to address MD and impacted soil with COC concentrations exceeding Tier 1 or calculated Tier 2 PCLs for the soil-to-groundwater pathway, as well as to remove shallow surface soils (0.0 to 0.5 feet bgs) with COCs exceeding ecological risk screening benchmark values. Munitions related materials and metals impacted soils were rendered inert or stabilized with Portland cement (soil) to allow for off-site disposal or on-site reuse as non-hazardous Class 1 or Class 2 non-hazardous wastes. The first 0.5-1.0 feet of soil were removed from an area of

approximately 46,000 square feet at AOC 64 and 43,000 square feet at SWMU B-71. Excavations conducted to address buried munitions debris and contaminated soil at depths of greater than 1.0 feet bgs were conducted for areas of approximately 16,000 square feet (AOC 64) and 9,000 square feet (SWMU B-71) within the larger shallow surface remediation areas. Site totals of approximately 2,950 in-situ cubic yards (AOC 64) and 3,290 in-situ cubic yards (SWMU B-71) of material were excavated and managed for on-site re-use at the CSSA East Pasture firing range berm or transported off-post for disposal at the Waste Management Covel Gardens landfill in San Antonio, Tx. Licensed surveyor maps of the final excavated area dimensions and a summary of analytical data for backfill materials utilized during the IRA are provided for reference in Appendix 11. A tabulated summary of waste characterization sampling data and copies of signed waste manifests are provided in Appendix 12. Copies of the final work plans for the preliminary geophysical and subsurface investigations and for the IRA work are provided for reference in Appendix 14.

In general, IRA confirmation samples consisted of grab samples collected on a frequency of one per 33 linear feet of excavation sidewall and one per 2,500 square feet of excavation floor. If initial confirmation sample results indicated COC concentrations above critical PCLs (or above background concentrations for excavation floor samples), additional excavation was performed and another sample was collected at the extended sidewall or bottom of the excavation to verify adequate removal of impacted soil. Initial confirmation samples were analyzed for explosives, SVOCs, VOCs, and the prescribed CSSA list of metals. Follow up samples collected after additional excavation or for vertical delineation purposes were analyzed only for constituents exceeding the critical PCL or background concentrations in initial samples.

Follow up confirmation sampling was conducted in February 2011 to determine residual native soil conditions at locations identified prior to the IRA with COC concentrations exceeding ecological benchmark screening levels at both AOC 64 and SWMU B-71. Two additional surface soil samples were collected in April 2011 to delineate mercury concentrations exceeding the ecological benchmark value at AOC 64.

Quality Assurance/Quality Control (QA/QC) sampling included trip blanks, field duplicate samples, and laboratory matrix-spike/matrix-spike duplicate samples. Duplicate samples were

collected at the rate of one per 20 regular samples collected. Laboratory matrix-spike/matrix-spike duplicate samples were collected at the rate of one per 20 regular samples collected. All field QA/QC samples were analyzed for the full suite of initial confirmation sample constituents.

Analytical results for samples collected during the IRA were compared to Tier 1 or calculated Tier 2 residential PCLs, assuming a 30-acre source area. Site-specific Tier 2 PCLs were calculated for the ^{GW}Soil_{Ing} exposure pathway as follows:

- AOC 64: barium, cadmium, lead, mercury, zinc, and benzene
- SWMU B-71: lead, zinc, benzene, and n-nitrosodiphenylamine

The assessment level for specific compounds was generally the Tier 1 or Tier 2 cPCL. For metals, the lower of the cPCL or the ecological risk benchmark screening value was used as the assessment level for horizontal delineation. Laboratory SQLs were utilized as the assessment level for some VOCs, SVOCs and explosives constituents (a discussion of these compounds and the SQLs utilized as assessment levels is presented in Section 4.1). Derivation of the site-specific Tier 2 PCLs are described in Section 11 and Appendix 9.

A comprehensive summary of soil assessment analytical results is provided in Table 4D-1 (AOC 64) and Table 4D-2 (SWMU B-71). The distribution of COCs still in place and exceeding Tier 1 cPCLs is presented on Figures 4A-1 and 4A-2 for AOC 64 and SWMU B-71, respectively. Copies of the analytical laboratory reports for all site characterization and post-removal confirmation sampling activities are provided in Appendix 10. A summary of sampling results, including assessment levels utilized during the APA and IRA confirmation sampling is as follows.

March and June 2007 Investigation Results: AOC 64

VOCs. VOCs detected above laboratory reporting limits included 1,2,4-trimethylbenzene, benzene, ethylbenzene, m,p-xylene, naphthalene, o-xylene, p-isopropyltoluene, tetrachloroethene, and toluene. Constituents without reportable concentrations for any sample laboratory analytical results (including preliminary characterization and IRA confirmation

sampling) were not further evaluated as site COCs. A summary of detected VOC constituents is as follows:

- VOC constituents with detected concentrations in less than 5% of samples included only p-isopropyltoluene. All detections of this compound were below the critical Tier 1 PCL. The compound was not detected in any IRA confirmation samples collected during the March and June 2007 events.
- COCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: 1,2,4-trimethylbenzene, ethylbenzene, m,p-xylene, naphthalene, o-xylene, tetrachloroethene, and toluene. None of these constituents were detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in March and June 2007.
- Benzene was the only VOC constituent identified above the critical Tier 1 PCL. Benzene sample results at AOC64-A1 (0.0-0.5 feet bgs), AOC64-A4 (4.0-5.0 feet bgs), AOC64-A5 (0.0-0.5 feet bgs), AOC64-A6 (3.5-4.0 feet bgs), AOC64-A9 (1.5-2.0 feet bgs), AOC64-B1 (0.0-0.5 feet bgs), AOC64-C1 (0.0-0.5 feet bgs), AOC64-P4 (0.0-0.5 feet bgs), and AOC64-P10 (0.0-0.5 feet bgs) exceeded the critical Tier 1 residential PCL. As such, benzene was evaluated as a site COC and a Tier 2 soil-to-groundwater (^{GW}Soil_{Ing}) PCL was developed. Benzene concentrations at AOC 64 exceeded the calculated site-specific Tier 2 ^{GW}Soil_{Ing} PCL at AOC64-A6 (3.5-4.0 feet bgs) and AOC64-B1 (0.0-0.5 feet bgs). All benzene concentrations exceeding the Tier 2 ^{GW}Soil_{Ing} PCL were removed during the IRA.

SVOCs. SVOCs detected above laboratory reporting limits included 1,2,4-trichlorobenzene, 2,4-dinitrotoluene, dibenzofuran, diethyl phthalate, di-n-butyl phthalate, benzo(b)fluoranthene, bis(2-ethylhexyl)phthalate, and n-nitrosodiphenylamine. Constituents without reportable concentrations for any laboratory analytical results were not evaluated as COCs. A summary of detected SVOC constituents is as follows:

- SVOC constituents with detected concentrations in less than 5% of samples included 1,2,4-trichlorobenzene, dibenzofuran, bis(2-ethylhexyl)phthalate, and n-nitrosodiphenylamine. All detections of this compound were below the critical Tier 1 PCL. The compound was not detected in any IRA confirmation samples collected during the March and June 2007 event.
- COCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: benzo(b)fluoranthene, diethyl phthalate, and di-n-butyl phthalate. None of these constituents were detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in March and June 2007.
- 2,4-Dinitrotoluene was the only SVOC constituent identified above the critical Tier 1 PCL. The one reportable result (AOC64-A6 [3.5-4.0 feet bgs]) exceeded the Tier 1 residential cPCL, so 2,4-dinitrotoluene was evaluated as a site COC. 2,4-Dinitrotoluene concentrations exceeding the Tier 1 residential cPCL were removed during the IRA.

Explosives. Explosives were not detected at concentrations above laboratory reporting limits in any of the 31 soil samples analyzed for these constituents.

Metals. Several metals were identified above laboratory reporting limits in the samples analyzed. All metals SQLs were below applicable Tier 1 cPCLs. Determination of metals cPCLs included comparison of TRRP Tier 1 values, Table 5 dated May 24, 2011, to CSSA site-specific and Texas State Median background values. A full explanation of how each COC's cPCL was determined with respect to State Median or CSSA site-specific concentrations is provided in Section 4.1. A summary of metals analytical results is as follows:

- COCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: arsenic, chromium, and nickel. None of these constituents were detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in March and June 2007.

- Six metal constituents were identified above the critical Tier 1 PCL. The list of COCs include:
 - Barium was identified above the reporting limit in all of the 45 samples collected and above the Tier 1 residential PCL in 27 of the samples, ranging in depth from ground surface to 6 feet bgs. Barium was evaluated as a site COC and a Tier 2 PCL for the ^{GW}Soil_{Ing} pathway was calculated. Reported concentrations were above calculated site-specific Tier 2 PCL at AOC64-A2 (0.0-0.5 feet bgs), AOC64-A6 (1.5-2.0 feet bgs), AOC64-C1 (0.0-0.5 feet bgs) AOC64-P3 (0.0-0.5 feet bgs), AOC64-P5 (0.0-0.5 feet bgs), AOC64-P8 (0.0-0.5 feet bgs), AOC64-P10 (0.0-0.5 feet bgs), AOC64-P17 (0.0-0.5 feet bgs). All barium concentrations exceeding the Tier 2 ^{GW}Soil_{Ing} PCL were removed during the IRA.
 - Cadmium was identified above the reporting limit in 27 of the 44 samples collected and above the Tier 1 residential cPCL in six of the samples, ranging in depth from ground surface to 4.0 feet bgs. Cadmium was evaluated as a site COC and all soils with concentrations exceeding the Tier 1 PCL (CSSA background concentration) were removed during the IRA.
 - Copper was identified above the reporting limit in all of the 43 samples collected and above the Tier 1 residential PCL in two of the samples: AOC64-A1 (2.0-2.5 feet bgs) and AOC64-A6 (1.5-2.0 feet bgs). Copper was evaluated as a site COC and all concentrations exceeding the critical Tier 1 PCL were removed during the IRA.
 - Lead was identified above the reporting limit in 42 of the 43 samples collected and above the Tier 1 residential PCL in 41 of the samples. Lead was evaluated as a site COC and a Tier 2 ^{GW}Soil_{Ing} PCL was developed. Lead concentrations exceeded the calculated Tier 2 ^{GW}Soil_{Ing} PCL at AOC64-A1 (2.0-2.5 feet bgs), AOC64-A6 (1.5-2.0 feet bgs), AOC64-A6 (3.5-4.0 feet bgs) and AOC64-B1 (2.5-3.0 feet bgs). All lead

concentrations exceeding the Tier 2 ^{GW}Soil_{Ing} PCL were removed during the IRA.

- Mercury was identified above the reporting limit in 38 of the 43 samples collected and above the Tier 1 residential PCL in three of the samples. Mercury was evaluated as a site COC and a Tier 2 PCL was calculated for the ^{GW}Soil_{Ing} pathway at AOC 64. No sample concentrations exceeded the Tier 2 ^{GW}Soil_{Ing} PCL.
- Zinc was identified above the reporting limit in all of the 43 samples collected and above the Tier 1 residential PCL in three of the samples: AOC64-A1 (2.0-2.5 feet bgs), AOC64-A6 (1.5-2.0 feet bgs) and AOC64-C1 (0.0-0.5 feet bgs). Zinc was evaluated as a site COC and a Tier 2 PCL was calculated for the ^{GW}Soil_{Ing} pathway at AOC 64. All zinc concentrations exceeding the critical PCL for the constituent were removed during the IRA.

Perchlorate. All 31 samples analyzed for perchlorate by USEPA Method IC 314 contained no reportable concentrations.

December 2008 through June 2009 IRA Confirmation Sampling Results: AOC 64

VOCs. VOCs detected above laboratory reporting limits included benzene, ethylbenzene, m,p-xylene, o-xylene, styrene and toluene. Constituents without reportable concentrations for any sample laboratory analytical results were not evaluated as site COCs. A summary of detected VOC constituents is as follows:

- VOC constituents with detected concentrations in less than 5% of samples included only styrene. The detection of this compound was below the critical Tier 1 PCL. The compound was not detected in any IRA confirmation samples collected during the sampling events from December 2008 through June 2009.
- COCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: benzene, ethylbenzene, m,p-xylene, o-xylene, and toluene. None of these constituents were

detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in December 2008 through June 2009

SVOCs. SVOCs detected above laboratory reporting limits included bis(2-ethylhexyl)phthalate and di-n-butyl phthalate. Constituents without reportable concentrations for any sample laboratory analytical results were not evaluated as site COCs. A summary of detected SVOC constituents is as follows:

- SVOCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: bis(2-ethylhexyl)phthalate and di-n-butyl phthalate. Neither of these constituents were detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in December 2008 through June 2009, and the constituents were screened from further consideration as a site COC.

Explosives. Explosives were not detected at concentrations above laboratory reporting limits in any of the 27 soil samples analyzed for these constituents.

Metals. Several metals were identified above laboratory reporting limits in the 58 samples analyzed. Determination of metals cPCLs included comparison of TRRP Tier 1 values, Table 5 dated May 24, 2011, to CSSA site-specific and Texas State Median background values. A full explanation of how each COC's cPCL was determined with respect to State Median or CSSA site-specific concentrations is provided in Section 4.1. A summary of metals analytical results is as follows:

- COCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: arsenic, cadmium, chromium, copper, nickel, and zinc. None of these constituents were detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in March and June 2007.
- Three metal constituents were identified above the critical Tier 1 PCL. The list of COCs include

- Barium was identified above the reporting limit in all of the 56 samples collected and above the Tier 1 residential PCL in 15 of the samples, ranging in depth from ground surface to 3 feet bgs. Barium was evaluated as a site COC and a Tier 2 ^{GW}Soil_{Ing} PCL was calculated. Two samples collected at AOC 64-A2 at a depth of 0.0-0.5 and 1.0-1.5 feet bgs exceeded the Tier 2 PCL, and was excavated from the site. Barium concentrations were below the Tier 2 PCL in all other IRA confirmation samples collected.
- Lead was identified above the reporting limit in all of the 33 samples collected. No sample results exceeded the Tier 1 residential cPCL (CSSA background) of 84.5 mg/kg.
- Mercury was identified above the reporting limit in 28 of the 33 samples collected. One of the detected mercury concentrations in IRA confirmation samples was above the Tier 1 residential PCL: 0.92 mg/kg at AOC64-F5, collected at a depth of 0.0 to 0.5 feet bgs. Mercury was evaluated as a site COC and a Tier 2 ^{GW}Soil_{Ing} PCL was calculated. Mercury concentrations were below the critical Tier 1/Tier 2 residential PCL in all IRA confirmation samples collected at AOC 64.

Based on the results of the March 2007 investigation, a second round of samples was collected in June 2007 to verify the presence of metals exceeding Tier 1 PCLs at selected shallow surface locations and to evaluate leaching potential by conducting analysis by SPLP. Sample points were placed with GIS coordinates obtained during the March 2007 investigation to verify conditions at previously sampled locations as follows:

AOC64-A2 (0.0-0.5 feet bgs); AOC64-P3 (0.0-0.5 feet bgs); AOC64-P5 (0.0-0.5 feet bgs); AOC64-P7 (0.0-0.5 feet bgs); AOC64-P8 (0.0-0.5 feet bgs); AOC64-P9 (0.0-0.5 feet bgs); AOC64-P10 (0.0-0.5 feet bgs); AOC64-P13 (0.0-0.5 feet bgs)

A summary of SPLP laboratory analysis results for AOC 64 is provided on Table 4D-3. Results of the SPLP analysis indicated analyte concentrations below applicable drinking water standards with the following exceptions:

- AOC64-A2: lead at 0.02 milligrams per liter (mg/l)
- AOC64-P5: barium at 2.84 mg/l and lead at 0.036 mg/l
- AOC64-P7: lead at 0.024 mg/l
- AOC64-P8: lead at 0.019 mg/l
- AOC64-P10: lead at 0.035 mg/l

Each of the sample locations with SPLP concentrations exceeding drinking water standards were removed during the IRA.

March and June 2007 Investigation Results: SWMU B-71

VOCs. VOCs detected above laboratory reporting limits included benzene, ethylbenzene, m,p-xylene, naphthalene, and toluene. Constituents without reportable concentrations for any sample laboratory analytical results were not evaluated as site COCs. A summary of detected VOC constituents is as follows:

- COCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: ethylbenzene, m,p-xylene, naphthalene, and toluene. None of these constituents were detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in March and June 2007.
- Benzene was the only VOC constituent identified above the critical Tier 1 PCL. Benzene sample results at SWMUB71-B1 (4.0-4.5 feet bgs), SWMUB71-C1 (4.0-4.5 feet bgs), SWMUB71-C1 (9.0-9.55 feet bgs), SWMUB71-C2 (0.0-0.5 feet bgs), SWMUB71-C4 (9.5-10.0 feet bgs), SWMUB71-P5 (1.0-2.0 feet bgs), SWMUB71-P6 (0.0-0.5 feet bgs), SWMUB71-P7 (1.0-2.0 feet bgs), and SWMUB71-SW1 (6.5 feet bgs), exceeded the critical Tier 1 residential PCL. As such, benzene was evaluated as a site COC and a Tier 2 soil-to-groundwater ($^{GW}Soil_{Ing}$) PCL was developed. No benzene concentrations at SWMU B-71 exceed the calculated Tier 2 critical PCL for the $^{GW}Soil_{Ing}$ pathway.

SVOCs. SVOCs detected above laboratory reporting limits included 2-nitrophenol, benzo(b)fluoranthene, benzoic acid, bis(2-ethylhexyl)phthalate, diethyl phthalate, n-

nitrosodiphenylamine, and phenanthrene. Constituents without reportable concentrations for any laboratory analytical results were not evaluated as COCs. A summary of detected SVOC constituents is as follows:

- SVOC constituents with detected concentrations in less than 5% of samples included 2-nitrophenol and phenanthrene. All detections of this compound were below the critical Tier 1 PCL. The compound was not detected in any IRA confirmation samples collected during the March and June 2007 event.
- COCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: benzo(b)fluoranthene, benzoic acid, bis(2-ethylhexyl)phthalate and diethyl phthalate. None of these constituents were detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in March and June 2007.
- n-Nitrosodiphenylamine was the only SVOC constituent identified above the critical Tier 1 PCL at SWMUB71-C1 (9.0-9.5 feet bgs) and SWMUB71-P5 (1.0-2.0 feet bgs). The reportable result exceeded the Tier 1 residential cPCL, so n-nitrosodiphenylamine was evaluated as a site COC. Concentrations exceeding the Tier 1 residential cPCL were removed during the IRA.

Explosives. Explosives were not detected at concentrations above laboratory reporting limits in any of the 52 soil samples analyzed for these constituents.

Metals. Several metals were identified above laboratory reporting limits in the samples analyzed. All metals SQLs were below applicable Tier 1 cPCLs. Determination of metals cPCLs included comparison of TRRP Tier 1 values, Table 5 dated March 31, 2010, to CSSA site-specific and Texas State Median background values. A full explanation of how each COC's cPCL was determined with respect to State Median or CSSA site-specific concentrations is provided in Section 4.1. A summary of metals analytical results is as follows: COCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: arsenic, barium cadmium, chromium, and mercury. None

of these constituents were detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in March and June 2007.

- Four metal constituents were identified above the critical Tier 1 PCL. The list of COCs include
 - Copper was identified above the reporting limit in all 55 samples collected. The constituent exceeded the Tier 1 residential cPCL at eight locations: SWMUB71-A1 (0.0-0.5 feet bgs), SWMUB71-A2 (0.0-0.5 and 5.5-6.0 feet bgs), SWMUB71-B1 (4.0-4.5 and 7.5-8.0 feet bgs), SWMUB71-C1 (4.0-4.5 feet bgs), SWMUB71-C4 (9.5-10.0 feet bgs) and SWMUB71-C5 (5.5-6.0 feet bgs). Copper was evaluated as a site COC. All copper concentrations exceeding the Tier 1 cPCL were removed during the IRA.
 - Lead was identified above the reporting limit in all 55 samples collected. The constituent exceeded the Tier 1 residential cPCL at 16 locations. Lead was evaluated as a site COC and a Tier 2 ^{GW}Soil_{Ing} PCL was calculated. Reported concentrations were above the Tier 2 PCL at SWMUB71-A1 0.0-0.5 and 8.5-9.0 feet bgs), SWMUB71-A2 (0.0-0.5 and 5.5-6.0 feet bgs) SWMUB71-B1 (0.0-0.5, 4.0-4.5 and 7.5-8.0 feet bgs), SWMUB71-C1 (4.0-4.5 and 9.0-9.5 feet bgs) SWMUB71-C5 (5.5-6.0 feet bgs), SWMUB71-C4 (9.5-10.0 feet bgs) SWMUB71-F3 (5.5-6.0 feet bgs), SWMUB71-F4 (5.0 and 8.0-8.5 feet bgs), and SWMUB71-P10 (0.5-1.0 feet bgs). All lead concentrations exceeding the Tier 2 ^{GW}Soil_{Ing} PCL were removed during the IRA.
 - Nickel was identified above the reporting limit in all of the 55 samples collected. The constituent exceeded the Tier 1 residential cPCL at three locations. Nickel was evaluated as a site COC and a Tier 2 ^{GW}Soil_{Ing} PCL was calculated. No sample results exceeded the Tier 2 cPCL. All nickel concentrations exceeding the Tier 1 ^{GW}Soil_{Ing} PCL were removed during the IRA.

- Zinc was identified above the reporting limit in all of the 55 samples collected. The constituent exceeded the Tier 1 residential cPCL at nine locations. Zinc was evaluated as a site COC and a Tier 2 ^{GW}Soil_{Ing} PCL was calculated. No sample results exceeded the Tier 2 cPCL. All zinc concentrations exceeding the Tier 1 ^{GW}Soil_{Ing} PCL were removed during the IRA.

Based on the results of the March 2007 investigation, a second round of samples was collected in June 2007 to verify the presence of metals exceeding Tier 1 PCLs at selected shallow surface locations and to evaluate leaching potential by conducting analysis by SPLP. Sample points were placed with GIS coordinates obtained during the March 2007 investigation to verify metals conditions at previously sampled locations as follows:

SWMUB71-P5 (1.0-2.0 feet bgs); SWMUB71-P10 (0.0-0.5 feet bgs)

A summary of SPLP laboratory analysis results for SWMU B-71 is provided on Table 4D-4. Results of the SPLP analysis indicated analyte concentrations below applicable drinking water standards with the following exceptions:

- SWMUB71-P5: lead at 0.17 mg/l
- SWMUB71-P10: lead at 0.017 mg/l

The IRA conducted at SWMU B-71 removed the top 0.5 to 1.0 feet of surface soil at the locations of both SWMUB71-P5 and SWMUB71-P10. Although the depth interval for the sample collected at SWMUB71-P5 includes soils potentially remaining in place after the removal, total lead concentrations at this location (184 mg/kg) do not indicate significant impact. Residual total lead concentrations at SWMUB71-P5 are less than the calculated Tier 2 PCL and are not considered to present a potential leaching risk to groundwater.

PCBs. PCBs were not detected at concentrations above laboratory reporting limits in any of the three soil samples analyzed for these constituents; however, one of the three samples was R-flagged due to a holding time exceedance (see Section 10). PCBs were screened from further evaluation as a site COC.

November 2008 through January 2009 IRA Confirmation Sample Results: SWMU B-71

VOCs. VOCs detected above laboratory reporting limits included 1,2,4-trimethylbenzene, benzene, ethylbenzene, m,p-xylene, methyl bromide, methyl chloride, methylene chloride, naphthalene, o-xylene and toluene. Constituents without reportable concentrations for any sample laboratory analytical results were not evaluated as site COCs. A summary of detected VOC constituents is as follows:

- VOC constituents with detected concentrations in less than 5% of samples included 1,2,4-trimethylbenzene and o-xylene. The detection of this compound was below the critical Tier 1 PCL. The compound was not detected in any IRA confirmation samples collected during the sampling events from November 2008 through June 2009.
- COCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: ethylbenzene, m,p-xylene, methyl bromide, methyl chloride, methylene chloride, naphthalene, and toluene. None of these constituents were detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in November 2008 through June 2009.
- Benzene was the only VOC constituent identified above the critical Tier 1 PCL. Benzene sample results at SWMU71-SW1 (6.5 feet bgs), exceeded the critical Tier 1 residential PCL. As such, benzene was evaluated as a site COC and a Tier 2 soil-to-groundwater ($^{GW}Soil_{Ing}$) PCL was developed. No benzene concentrations at SWMU B-71 exceed the calculated Tier 2 critical PCL for the $^{GW}Soil_{Ing}$ pathway.

SVOCs. SVOCs detected above laboratory reporting limits included 2,4-dinitrotoluene, bis(2-ethylhexyl)phthalate, di-n-butyl phthalate, and n-nitrosodiphenylamine. Constituents without reportable concentrations for any sample laboratory analytical results were not evaluated as site COCs. A summary of detected SVOC constituents is as follows:

- SVOC constituents with detected concentrations in less than 5% of samples included 2,4-dinitrotoluene. All detections of this compound were below the critical Tier 1 PCL. The compound was not detected in any IRA confirmation samples collected during the November 2008 through June 2009 event. The soil containing the detected constituent concentrations was removed through additional excavation. No sample locations with detected concentrations for 2,4-dinitrotoluene remain in place at SWMU B-71.
- COCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: bis(2-ethylhexyl)phthalate, and di-n-butyl phthalate. None of these constituents were detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in November 2008 through June 2009.
- n-Nitrosodiphenylamine was the only SVOC constituent identified above the critical Tier 1 PCL at SWMUB71-SW1 (6.5 feet bgs). The one reportable result exceeded the Tier 1 residential cPCL, so n-nitrosodiphenylamine was evaluated as a site COC. Concentrations exceeding the Tier 1 residential cPCL were removed during the IRA.

Explosives. Explosives were not detected at concentrations above laboratory reporting limits in any of the 33 soil samples analyzed for these constituents.

Metals. Several metals were identified above laboratory reporting limits in the samples analyzed. All metals SQLs were below applicable Tier 1 cPCLs. Determination of metals cPCLs included comparison of TRRP Tier 1 values, Table 5 dated March 31, 2010, to CSSA site-specific and Texas State Median background values. A full explanation of how each COC's cPCL was determined with respect to State Median or CSSA site-specific concentrations is provided in Section 4.1. A summary of metals analytical results is as follows:

- COCs with detected concentrations in greater than 5% of samples collected and with all results less than the respective critical Tier 1 PCL include: arsenic, barium cadmium, chromium, copper mercury, nickel, and zinc. None of these

constituents were detected above the critical Tier 1 PCL during IRA confirmation sampling conducted in November 2008 through June 2009.

- Lead was identified above the reporting limit in all 40 samples collected. Results for SWMUB71-F1 (10.0-10.5 feet bgs), SWMUB71-F2 (6.5-7.0 feet bgs), SWMUB71-F3 (5.5-6.0 and 7.5-8.0 feet bgs), SWMUB71-F4 (4.5-5.0, 5.0 and 8.0-8.5 feet bgs), SWMUB71-SW1 (6.5 feet bgs) and SWMUB71-SW19 (3.0 feet bgs) locations exceeded the Tier 1 cPCL. Lead was evaluated as a site COC and a Tier 2 PCL for the ^{GW}Soil_{Ing} pathway was calculated. All lead concentrations exceeding the Tier 2 ^{GW}Soil_{Ing} PCL were removed during the IRA.

February and April 2011 Ecological Risk Confirmation Sample Results: AOC 64

VOCs. VOC analysis was limited to determination of benzene concentrations at the location of AOC64-F1 (9.0-9.5 feet bgs) to provide vertical delineation of the site COC to the MQL. Results indicated a benzene concentration of 0.00112U mg/kg.

Metals. Selected locations were sampled to provide post-removal metals concentrations at locations identified with COC concentrations exceeding ecological risk assessment benchmark screening values prior to the IRA. AOC64-P22 and AOC64-P23 were new sample locations to provide delineation of mercury and barium impact to the southwest side of AOC 64. A summary of sample points and constituent analyses is as follows:

- Barium: AOC64-P-22 (0.0-0.5 feet bgs)
- Mercury: AOC64-P7 (1.0-1.25 feet bgs), AOC64-P12 (1.0-1.25 feet bgs), AOC64-P22 (0.0-0.5 feet bgs), AOC64-P22 (1.0-1.5 feet bgs), AOC 64-P23 (0-0.5 feet bgs)
- Zinc: AOC64-A2 (1.0-1.5), AOC64-P5 (1.0-1.25), AOC64-P8 (1.0-1.25), AOC64-P13 (1.0-1.25),

All sample results were below human health PCLs and ecological risk screening benchmark values except for a mercury concentration of 2.00 mg/kg at AOC64-P22 (0-0.5 feet bgs).

February 2011 Ecological Risk Confirmation Sample Results: SWMU B-71

Metals. Selected locations were sampled to provide post-removal metals concentrations at locations identified with COC concentrations exceeding ecological risk assessment benchmark screening values prior to the IRA, or in the case of SWMUB71-SW1, to confirm residual concentrations at a depth of less than 5 feet bgs.

- Copper: SWMUB71-P10 (1.0-1.25 feet bgs), SWMUB71-SW1 (1.0-1.25 feet bgs)
- Lead: SWMUB71-P5 (1.0-1.25 feet bgs), SWMUB71-SW1 (1.0-1.25 feet bgs)
- Zinc: SWMUB71-P5 (1.0-1.25 feet bgs), SWMUB71-P10 (1.0-1.25 feet bgs), SWMUB71-SW1 (1.0-1.25 feet bgs)

All sample results were below human health PCLs and ecological risk screening benchmark values. Lead and zinc results at SWMUB71-P5 (1.0-1.25) have been assumed to be representative of post-IRA conditions at that location. Accordingly, previous laboratory results from the interval of 1.0-2.0 feet bgs collected in March and June 2007 have not been used in evaluation of final nature and extent conditions at the site for those COCs although the precise depth of remedial excavations at that location can only be estimated to be between 0.5 and 1.0 feet bgs.

4.1 DERIVATION OF ASSESSMENT LEVELS

Exposure pathways for human receptors assumed to be complete or potentially complete at the site included direct exposure to contaminated surface soils and ingestion of groundwater potentially affected by leaching from on-site soil contaminants. Assessment levels were generally based on Tier 1 and Tier 2 PCLs with assumptions for residential land use and a source area 30 acres in size. For certain COCs (metals), ecological risk screening benchmark values were also considered in determining the assessment values utilized for nature and extent determinations. The assessment levels for VOCs, SVOCs, explosives, and metals were based on:

- analytical laboratory SQLs for certain VOC, SVOCs and explosives constituents;
- Camp Stanley site-specific or Texas State Median background concentrations for inorganic COCs;
- the lower of default Tier 1 $TotSoil_{Comb}$ or $^{GW}Soil_{Ing}$ PCLs;
- ecological risk ecological risk benchmark screening values; or
- site-specific Tier 2 $^{GW}Soil_{Ing}$ residential PCLs.

The RAL for each COC was generally determined by selecting the lower of the Tier 1 $TotSoil_{Comb}$ PCL, the Tier 1/Tier 2 $^{GW}Soil_{Ing}$ PCL, or the ecological benchmark screening value. If a Tier 2 $^{GW}Soil_{Ing}$ PCL calculated for a COC was lower than the Tier 1 $TotSoil_{Comb}$ PCL as well as the ecological benchmark screening value, the Tier 2 $^{GW}Soil_{Ing}$ PCL was used as the RAL. If the CSSA specific background value or the Texas State Median background value(s) were higher than the Tier 1 $TotSoil_{Comb}$ PCL, the Tier 1/Tier2 $^{GW}Soil_{Ing}$ PCL, or the ecological benchmark screening value, the higher of those two background values was used as the RAL and critical PCL for that COC.

Use of Laboratory SQLs as Assessment Levels

For certain samples within the current data sets assembled for AOC 64 and SWMU B-71, laboratory SQLs for VOC, SVOCs, and explosives constituents were above the TRRP critical Tier 1 PCL values. A summary of constituent SQLs utilized as the assessment level is as follows:

VOCs (USEPA Method SW846-8260B)

1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 1,2-dichloroethane and cis-1,3-dichloropropene

SVOCs (USEPA Method SW846-8270C)

2,4-dinitrotoluene, 2,6-dinitrotoluene, 3,3-dichlorobenzidine, 4,6-dinitro-2-methylphenol, 4-chloroaniline, 4-nitroaniline, bis(2-Chloroethoxy)methane, bis(2-chloroethyl)ether, n-nitroso-di-n-propylamine, pentachlorophenol, 2,4-dinitrophenol, 2-nitroaniline, 3-nitroaniline, 4-nitrophenol

Explosives (USEPA Method 8330)

1,3-dinitrobenzene, 2,4,6-trinitrotoluene, 2,4-dinitrotoluene, 2,6-dinitrotoluene, 2-nitrotoluene, and cyclotrimethylenetrinitramine (a.k.a., RDX)

Correspondence with the analytical laboratory indicated the SQLs for all constituents included under these analyses are USEPA method detection limits adjusted for moisture content and, in some cases, for dilution factors. Laboratory instrumentation utilized for the subject analyses were determined to be working within acceptable limits. Additionally, all explosives and SVOC constituent SQLs provided by the analytical laboratory meet or exceed the reporting requirements of the TCEQ approved Camp Stanley QAPP, dated January 2003. All VOC constituent SQLs meet or exceed the reporting requirements of the Camp Stanley QAPP except for:

- Four sample results for 1,2-dibromo-3-chloropropane: AOC64-SW9 (2.5-3.0 bgs), AOC64-SW13 (1.0-1.5 bgs) ; SWMUB71-P3 (0.0-0.5 bgs) and SWMUB71-P4 (0.0-0.5 bgs);
- Two samples results for 1,1,2-trichloroethane: AOC64-SW9 (2.5-3.0 bgs) and AOC64-SW13 (1.0-1.5 bgs);
- Two sample results for cis-1,3-dichloropropane at AOC64-SW9 (2.5-3.0 bgs) and AOC64-SW13 (1.0-1.5 bgs);
- Methylene chloride at AOC64-SW9 (2.5-3.0 bgs) and AOC64-SW13 (1.0-1.5 bgs);
- All results for 1,2-dibromomethane (this constituent is not required for analysis by the CSSA QAPP); and
- Two sample results for 1,2-dichloroethane (this constituent is not required for analysis by the CSSA QAPP) at AOC64-SW9 (2.5-3.0 bgs) and AOC64-SW13 (1.0-1.5 bgs).

Based on the relative percentage of these sample SQL exceedances of the CSSA QAPP RLs, (<5% of all samples analyzed other than 1,2,-dibromomethane) and the lack of detections for any of these constituents, the SQL exceedances of the CSSA QAPP RLs are not considered to

significantly impact the quality of the existing data set with respect to characterizing site conditions. As 1,2-dibromomethane is not required for analysis by the CSSA QAPP, it was screened for consideration a site COC. Copies of correspondence dated 5 January 2009; 23 April 2009; and 24 May 2010, from Gulf Coast Analytical Laboratories (GCAL) explaining USEPA methodologies utilized for determination of VOC, SVOC, and explosives concentrations and SQLs is provided in Appendix 10.

No explosives, PCBs, or perchlorate constituents were identified in soil samples above their applicable assessment levels. A number of COCs at both AOC 64 and SWMU B-71 were identified at concentrations above applicable Tier 1 assessment levels, but below the applicable site-specific Tier 2 PCL. COCs with maximum concentrations above human health critical Tier 1 residential PCLs or ecological risk screening benchmark concentrations were utilized to define the extent of impact in soil at the sites. The critical PCLs and ecological risk screening benchmark values utilized to define the nature and extent of impact at the two sites evaluated are presented in Table 4.1-1 below.

Table 4.1-1 Assessment Levels for Site COCs AOC 64 and SWMU B-71 Camp Stanley Storage Activity			
COC	Ecological Risk Screening Benchmark Concentration mg/kg	Critical PCL mg/kg	Critical Human Health Exposure Pathway(s)
AOC 64			
Barium	330	1562	Tier 2 ^{GW} Soil _{Ing}
Cadmium	32	3	Tier 1 ^{GW} Soil _{Ing} (3 mg/kg is the CSSA Background Value)
Copper	61	520	Tier 1 ^{GW} Soil _{Ing}
Lead	120	411	Tier 2 ^{GW} Soil _{Ing}
Mercury	0.8	2.1	Tier 1 ^{Tot} Soil _{Comb}
Zinc	120	9900	Tier 1 ^{Tot} Soil _{Comb}
2,4-Dinitrotoluene	1280	0.0027	Tier 1 ^{GW} Soil _{Ing}
Benzene	255	0.019	Tier 2 ^{GW} Soil _{Ing}

Table 4.1-1 Assessment Levels for Site COCs AOC 64 and SWMU B-71 Camp Stanley Storage Activity Boerne, TX			
COC	Ecological Risk Screening Benchmark Concentration mg/kg	Critical PCL mg/kg	Critical Human Health Exposure Pathway(s)
SWMU B-71			
Copper	61	520	Tier 1 ^{GW} Soil _{Ing}
Lead	120	274	Tier 2 ^{GW} Soil _{Ing}
Nickel	35.5	79	Tier 1 ^{Tot} Soil _{Comb}
Zinc	120	9900	Tier 1 ^{Tot} Soil _{Comb}
2,4-Dinitrotoluene	1280	0.0027	Tier 1 ^{GW} Soil _{Ing}
n-Nitrosodiphenylamine	20	40	Tier 2 ^{GW} Soil _{Ing}
Benzene	225	0.221	Tier 2 ^{GW} Soil _{Ing}

The assessment levels for all COCs are based on the lower of the default Tier 1 ^{Tot}Soil_{Comb} PCL, Tier 1/Tier 2 ^{GW}Soil_{Ing} PCLs, or ecological risk screening benchmark concentrations assuming a 30-acre source area and residential land use. The development of the Tier 2 PCLs for the ^{GW}Soil_{Ing} pathway is described in Section 11 and Appendix 9.

4.2 NATURE AND EXTENT OF COCS IN SOIL

Assessment activities conducted at AOC 64 and SWMU B-71 have included successive rounds of soil characterization sampling to achieve the following objectives:

- Excavation of exploratory trenches in March 2007 to evaluate the potential presence of buried material and to conduct sampling for indications of residual contamination in soils to the depth of bedrock underlying the site.
- Re-sampling in June 2007 to verify the presence and level of metals COCs in shallow surface soils identified in the first sampling round and to conduct analysis of samples by SPLP for a determination of contaminant leaching potential.
- Collection of excavation sidewall and excavation floor confirmation samples characterizing residual COC concentrations following IRA activities in November 2008 through February 2009.

- Follow up ecological risk assessment sampling in February and April 2011 to confirm post removal COC concentration with respect to screening benchmark values and to delineate mercury concentrations on the southwest side of AOC 64.

Weathered limestone was penetrated at the IRA excavation bottoms allowing for collection of samples from unconsolidated material at each floor confirmation sample point. Vertical delineation of soil impact to MQLs or to background for the primary COCs (i.e., metals) was obtained at both AOC 64 and SWMU B-71. 2,4-Dinitrotoluene and benzene were defined vertically at both sites to MQLs. Two of the four IRA floor confirmation sample points at SWMU B-71 had J-flagged (i.e., estimated below the MQL) concentrations for n-nitrosodiphenylamine: SWMUB71-F1 at a depth of 10.0-10.5 feet bgs had a concentration of 0.0132J mg/kg and SWMUB71-F2 at a depth of 6.5-7.0 feet bgs had a concentration of 0.0191J mg/kg. Based on the existing sample set for AOC 64 and SWMU B-71 providing vertical delineation of the site COCs without encountering groundwater, evaluation of the nature and extent of contamination at the sites has been limited to the surface soil medium.

Historical maximum COC concentrations removed during the IRAs, contaminant concentrations remaining in place at the sites, Tier 1 PCLs for $^{Tot}Soil_{Comb}$ and $^{GW}Soil_{Ing}$, soil attenuation model (SAM) derived Tier 2 $^{GW}Soil_{Ing}$ PCLs, and the MQLs/background concentrations utilized for determining vertical delineation of impact from site COCs are presented on Tables 4D-1 (AOC 64) and 4D-2 (SWMU B-71). Site-specific parameters and SAM equations utilized for derivation of the Tier 2 $^{GW}Soil_{Ing}$ PCL are provided in Section 11 and Appendix 9.

As indicated in Tables 4D-1 and 4D-2, no COC concentrations remaining in soil exceed both Tier 1 and Tier 2 cPCLs. Therefore, there is no PCLE zone at AOC 64 or SWMU B-71. Figure 4A-1 (AOC 64) and Figure 4A-2 (SWMU B-71) present the distribution and level of COCs exceeding Tier 1 cPCLs. Based on the results of the soil assessment activities, the horizontal and vertical extents of COCs in affected soil at AOC 64 and SWMU B-71 are delineated to levels protective of residential land use and demonstrate conditions protective of groundwater.

The on-post groundwater monitoring program began in 1995. The installation's Order on Consent, finalized in 1999, greatly expanded sampling coverage to include off-post wells.

Originally analyses included VOC, SVOC, and metals constituents including those COCs for which PCLs have been developed under the current APA. Of the AOC 64 and SWMU B-71 COCs advanced to PCL development, only sporadic detections of metals have been detected in on-post groundwater at levels and frequencies requiring continued monitoring. Off-post wells are sampled for VOCs only. No SVOCs or explosives constituents are included in the current CSSA groundwater monitoring program and VOC constituent testing is limited to a list which does not include benzene (site COC for both AOC 64 and SWMU B-71).

While the monitoring program initially included a sample suite including benzene, results for the period of 1992-1998 supported removing this constituent, among others, from the groundwater monitoring program due to infrequent or no reportable concentrations and results below applicable drinking water standards (see letter Items for TNRCC Review and Approval, dated 12 July 1999 and TNRCC response dated 5 October 1999 in Appendix 11).

The wells closest to each of the sites are: CS-2, CS-3, CS-4, CS-D, and MW-24:LGR for SWMU B-71; XW-02, MW-30, and CS-MW-2 for AOC 64). With the exception of lead, none of these wells have exhibited either of the site's respective COCs above Tier 1 PCLs for protection of drinking water. In 1995 and 1996 lead levels above applicable regulatory limits were seen in CS-2 and CS-3. These wells have been sampled numerous times since 1996 and lead has been below action levels during these sampling events throughout the period of record (CSSA, 2010). The source of lead detections in groundwater at these wells is uncertain. However, the wells were installed in the early 1990s as livestock supply wells, and were equipped with down-hole pumps. These pumps were removed in the early 1990s, and the lead detection may have been a result of pump agitation during their removal.

The existing groundwater monitoring network is considered adequate for characterizing and monitoring COC conditions as well as the potential for impact of off-installation areas by COCs originating at CSSA. Further, based on the age of source areas addressed at AOC 64 and SWMU B-71, any potential impact to groundwater from site COCs would likely already be exhibited by sampling and analysis data available through the installation's groundwater monitoring program. In consideration of these points in addition to the vertical delineation sample results obtained during the current APA, investigation of groundwater immediately

underlying the two subject sites is not required to ensure conditions are protective of human health and the environment

**Table 4A-1 Surface Soil Residential Assessment Levels for Human Health Exposure Pathways
Site AOC 64**

COC	Source area size (acres)	Tot ^s Soil _{Comb} PCL (mg/kg)	GW ^s Soil PCL		MQL (mg/kg)	Back-ground (mg/kg)	Maximum concentration Left in Place			
			(mg/kg)	Tier			Sample ID	Sample Depth	Sample Date	Conc (mg/kg)
Barium	30	7800	1562	2	0.23	300 ²	AOC64-P18	0.0-0.5 feet bgs	01/21/2009	1,110
Cadmium	30	52	3.0	1	0.031	3.0 ¹	AOC64-P11	0.0-0.5 feet bgs	06/15/2007	1.38J
Copper	30	550	520	1	0.15	23.2 ¹	AOC64-F5	7.0 feet bgs	01/07/2009	158J
Lead	30	500	411	2	0.23	84.5 ¹	AOC64-P18	0.0-0.5 feet bgs	01/21/2009	34.2
Mercury	30	2.1	6.0	2	0.0039	0.77 ¹	AOC64-P22	0.0-0.5 feet bgs	02/10/2011	2.00
Zinc	30	9900	58304	2	0.12	73.2 ¹	AOC64-F1	6.0 feet bgs	12/08/2008	653M
2,4-Dinitrotoluene	30	6.9	0.0027	1	0.04	N/A	AOC64-SW3 and SW15	1.5-2.0 and 2.5-3.0 feet bgs	12/08 and 12/15/2008	0.04U
Benzene	30	48	0.019	2	0.00761	N/A	AOC64-P4	0.0-0.5 feet bgs	03/31/2007	0.0188

Notes:

¹ - Camp Stanley site-specific background concentration for surface soil

² - Texas State Median Concentration.

J – sample result estimated

U – sample result not detected at or above the MDL

M – a matrix effect was indicated by laboratory analytical QA/QC processes

**Table 4A-2 Surface Soil Residential Assessment Levels for Human Health Exposure Pathways
Site SWMUB-71**

COC	Source area size (acres)	Tot Soil Comb PCL (mg/kg)	GW Soil PCL		MQL (mg/kg)	Back-ground (mg/kg)	Maximum concentration Left in Place			
			(mg/kg)	Tier			Sample ID	Sample Depth	Sample Date	Conc (mg/kg)
Copper	30	550	520	1	0.74	23.2 ¹	SWMUB71-SW1	6.5 feet bgs	12/12/2008	230
Lead	30	500	274	2	0.76	84.5 ¹	SWMUB71-SW1	6.5 feet bgs	12/12/2008	136
Nickel	30	830	79	1	0.53	35.5 ¹	SWMUB71-SW1	6.5 feet bgs	12/12/2008	29.9
Zinc	30	9900	29337	2	1.49	73.2 ¹	SWMUB71-SW1	6.5 feet bgs	12/12/2008	232
2,4-Dinitrotoluene	30	6.9	0.0027	1	0.0663	N/A	SWMUB71-SW1	6.5 feet bgs	12/12/2008	0.0663U
n-Nitrosodiphenly amine	30	570	40.2	2	0.0175	N/A	SWMUB71-P5	1.0-2.0 feet bgs	03/29/2007	2.3
Benzene	30	48	0.221	2	0.000347	N/A	SWMUB71-P7	1.0-2.0 feet bgs	03/29/2007	0.0213J

Notes:

¹ - Camp Stanley site-specific background concentration for surface soil

² - Texas State Median Concentration.

J – sample result estimated

U – sample result not detected at or above the MDL

Table 4B – Surface Soil Residential Assessment Levels with Ecological Component

Table 4B is not applicable as there is no ecological risk associated with the site COCs.

Table 4C – Subsurface Soil Residential Assessment Levels

Table 4C is not applicable as COC concentrations were vertically delineated at a depth of less than 15 feet bgs.

Tables 4D-1 through 4D-4 – Soil Data Summary

The attached Tables 4D-1 through 4D-4 present comprehensive analytical results for VOCs, SVOCs, metals, explosives and SPLP metals.

Table 4E – Soil Geochemical/Geotechnical Data Summary

The attached Table 4E presents results of fraction organic carbon and pH analyses.

Figures 4C-1 through 4C-6 – Remedial Excavation Cross Sections

Figures 4C-1 through 4C-6 present stratigraphic cross sections produced from field observations made during IRA activities conducted between November 2008 and February 2009. The cross-section figures prepared for AOC 64 (Figures 4C-1 through 4C-4) present profiles from transects along the lateral extent of the three primary remedial excavations at the site. Figures 4C-1 and 4C-2 were prepared to present conditions trending from west to east and from north to south, respectively, across the largest excavation at AOC 64. Subsurface profile conditions at the other two excavations are generally symmetrical along the transects utilized for Figures 4C-3 and 4C-4, therefore, no perpendicularly oriented transect figures were prepared for these areas. The cross-section figures prepared for SWMU B-71 (4C-5 and 4C-6) present transects trending north to south and west to east, respectively, along the two primary remedial excavations at the site. As with Figures 4C-3 and 4C-4, excavations are generally symmetrical along the selected sample location transects and no perpendicularly oriented transect figures were prepared for these areas. Laboratory analytical results for COCs with concentrations exceeding Tier 1 PCLs have been provided for sample locations selected for representation on the cross sections. All IRA floor confirmation samples are provided on the various cross section figures.

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**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Critical PCL ⁴ (mg/kg)	(EXCAVATED) AOC64-A1 0.0-0.5 03/26/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A1 2.0-2.5 03/26/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 03/27/2007 Normal (mg/kg)	AOC64-A2 2.5-3.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 06/15/2007 Duplicate (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 01/08/2009 Normal (mg/kg)	(EXCAVATED) AOC64-A2 1.0-1.5 01/21/2009 Normal (mg/kg)
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	0.0556 U	0.0498 U	0.0517 R	0.0542 R	NT	NT	NT	NT
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	0.0322 U	0.0289 U	0.03 R	0.0314 R	NT	NT	NT	NT
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	0.0954 U	0.0855 U	0.0888 R	0.0931 R	NT	NT	NT	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	0.0596 U	0.0534 U	0.0555 R	0.0582 R	NT	NT	NT	NT
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	0.109 U	0.0977 U	0.102 R	0.106 R	NT	NT	NT	NT
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	0.0325 U	0.0291 U	0.0303 R	0.0317 R	NT	NT	NT	NT
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	0.109 U	0.0973 U	0.101 R	0.106 R	NT	NT	NT	NT
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	0.0659 U	0.059 U	0.0614 R	0.0643 R	NT	NT	NT	NT
HMX	N/A	2.0E+02	1.2E+00	---	1.172	0.0472 U	0.0423 U	0.0439 R	0.046 R	NT	NT	NT	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	0.0322 U	0.0289 U	0.03 R	0.0314 R	NT	NT	NT	NT
RDX	N/A	2.5E+01	1.8E-02	---	0.018	0.0501 U	0.0448 U	0.0466 R	0.0488 R	NT	NT	NT	NT
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	0.147 R	0.131 R	0.137 R	0.143 R	NT	NT	NT	NT
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	3.24 B	4.15 B	1.74 B	1.76 B	0.88 U	0.89 U	NT	NT
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	648	996	4490	70.7	1450	2180	2030	1780
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.085 U	4.08	1.34	0.083 U	0.64 J	1.56 J	NT	NT
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	10.7	7.9	8.26	3.09	4.89 J	5.48 J	NT	NT
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	8.78	1930	20.4	3.13	27 J	28.1 J	NT	NT
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	26.2	38000	19.9	2.15 B	21.6 J	51.1 J	NT	NT
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	0.052	0.026	0.087	0.013 B	0.12 J	0.26 J	NT	NT
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	8.16 B	55.3	7.53 B	2.83 B	6 B	6.42 B	NT	NT
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	136	4200	311	3.7 B	59.9 J	168 J	NT	NT
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	0.00941 U	0.00843 U	0.00876 U	0.00918 U	NT	NT	NT	NT
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	0.0376 U	0.0581 J	0.0355 U	0.0371 U	NT	NT	NT	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.0638 U	0.0575 U	0.0602 U	0.0629 U	NT	NT	NT	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.0665 U	0.06 U	0.0627 U	0.0655 U	NT	NT	NT	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.0605 U	0.0545 U	0.057 U	0.0596 U	NT	NT	NT	NT
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	0.00599 U	0.0054 U	0.00565 U	0.0059 U	NT	NT	NT	NT
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	0.00964 U	0.00869 U	0.0091 U	0.0095 U	NT	NT	NT	NT
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	0.00736 U	0.00664 U	0.00694 U	0.00725 U	NT	NT	NT	NT
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	0.032 U	0.0288 U	0.0302 U	0.0315 U	NT	NT	NT	NT
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	0.0701 U	0.0632 U	0.0661 U	0.0691 U	NT	NT	NT	NT
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	0.0245 U	0.0221 U	0.0231 U	0.0241 U	NT	NT	NT	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	0.0347 U	0.0313 U	0.0327 U	0.0342 U	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	(EXCAVATED) AOC64-A1 0.0-0.5 03/26/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A1 2.0-2.5 03/26/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 03/27/2007 Normal (mg/kg)	AOC64-A2 2.5-3.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 06/15/2007 Duplicate (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 01/08/2009 Normal (mg/kg)	(EXCAVATED) AOC64-A2 1.0-1.5 01/21/2009 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>									
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	0.00735 U	0.00662 U	0.00693 U	0.00724 U	NT	NT	NT	NT
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	0.0312 U	0.0281 U	0.0294 U	0.0307 U	NT	NT	NT	NT
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	0.032 U	0.0288 U	0.0302 U	0.0315 U	NT	NT	NT	NT
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	0.00918 U	0.00827 U	0.00866 U	0.00904 U	NT	NT	NT	NT
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	0.0217 U	0.0195 U	0.0204 U	0.0213 U	NT	NT	NT	NT
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	0.00973 U	0.00877 U	0.00918 U	0.00959 U	NT	NT	NT	NT
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	0.0124 U	0.0111 U	0.0117 U	0.0122 U	NT	NT	NT	NT
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	0.0124 U	0.0112 U	0.0117 U	0.0123 U	NT	NT	NT	NT
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	0.0722 U	0.0651 U	0.0681 U	0.0711 U	NT	NT	NT	NT
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	0.00849 U	0.00766 U	0.00801 U	0.00837 U	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	0.0161 U	0.0145 U	0.0152 U	0.0159 U	NT	NT	NT	NT
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	0.0159 U	0.0143 U	0.015 U	0.0156 U	NT	NT	NT	NT
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	0.0128 U	0.0115 U	0.0121 U	0.0126 U	NT	NT	NT	NT
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	0.0526 R	0.0474 R	0.0496 U	0.0518 U	NT	NT	NT	NT
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	0.0498 U	0.0449 U	0.0469 U	0.049 U	NT	NT	NT	NT
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	0.0106 U	0.0096 U	0.01 U	0.0105 U	NT	NT	NT	NT
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	0.00918 U	0.00827 U	0.00866 U	0.00904 U	NT	NT	NT	NT
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	0.00928 U	0.00837 U	0.00875 U	0.00914 U	NT	NT	NT	NT
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	0.00639 U	0.00576 U	0.00603 U	0.0063 U	NT	NT	NT	NT
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	0.00753 U	0.00679 U	0.0071 U	0.00742 U	NT	NT	NT	NT
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	0.0101 U	0.00912 U	0.00955 U	0.00997 U	NT	NT	NT	NT
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	0.00813 U	0.00733 U	0.00767 U	0.00801 U	NT	NT	NT	NT
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	0.0344 U	0.031 U	0.0325 U	0.0339 U	NT	NT	NT	NT
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	0.199 U	0.179 U	0.187 U	0.196 U	NT	NT	NT	NT
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	0.00933 U	0.00841 U	0.0088 U	0.00919 U	NT	NT	NT	NT
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	0.00661 U	0.00596 U	0.00624 U	0.00651 U	NT	NT	NT	NT
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	0.0463 U	0.0417 U	0.0437 U	0.0456 U	NT	NT	NT	NT
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	0.0419 U	0.0378 U	0.0395 U	0.0413 U	NT	NT	NT	NT
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	0.0202 U	0.0182 U	0.0191 U	0.0199 U	NT	NT	NT	NT
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	0.0098 U	0.00883 U	0.00924 U	0.00965 U	NT	NT	NT	NT
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	0.0135 U	0.0122 U	0.0128 U	0.0133 U	NT	NT	NT	NT
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	0.0397 U	0.0358 U	0.0375 U	0.0391 U	NT	NT	NT	NT
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	0.00547 U	0.0615 J	0.00516 U	0.00538 U	NT	NT	NT	NT
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	0.00699 U	0.0063 U	0.00659 U	0.0129 J	NT	NT	NT	NT
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	0.0253 U	0.0228 U	0.0238 U	0.0249 U	NT	NT	NT	NT
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	0.00856 U	0.00772 U	0.00807 U	0.00843 U	NT	NT	NT	NT
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	0.00892 U	0.00804 U	0.00841 U	0.00879 U	NT	NT	NT	NT
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	0.0113 U	0.0102 U	0.0107 U	0.0111 U	NT	NT	NT	NT
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	0.00715 U	0.00645 U	0.00675 U	0.00705 U	NT	NT	NT	NT
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	0.0124 U	0.0112 U	0.0117 U	0.0122 U	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	(EXCAVATED) AOC64-A1 0.0-0.5 03/26/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A1 2.0-2.5 03/26/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 03/27/2007 Normal (mg/kg)	AOC64-A2 2.5-3.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 06/15/2007 Duplicate (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 01/08/2009 Normal (mg/kg)	(EXCAVATED) AOC64-A2 1.0-1.5 01/21/2009 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source Tot Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source gw Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source gw Soil _{Ing}									
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.0415 U	0.0374 U	0.0392 U	0.0409 U	NT	NT	NT	NT
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	0.0315 U	0.0284 U	0.0297 U	0.031 U	NT	NT	NT	NT
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	0.0567 U	0.0511 U	0.0535 U	0.0559 U	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	0.0294 U	0.0265 U	0.0277 U	0.029 U	NT	NT	NT	NT
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	0.00593 U	0.00535 U	0.00559 U	0.00584 U	NT	NT	NT	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.034 U	0.0307 U	0.0321 U	0.0335 U	NT	NT	NT	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	0.0438 U	0.0395 U	0.0413 U	0.0432 U	NT	NT	NT	NT
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	0.00964 U	0.00869 U	0.0091 U	0.0095 U	NT	NT	NT	NT
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	0.014 U	0.0127 U	0.0133 U	0.0138 U	NT	NT	NT	NT
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	0.0378 U	0.0341 U	0.0356 U	0.0372 U	NT	NT	NT	NT
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	0.00665 U	0.006 U	0.00627 U	0.00655 U	NT	NT	NT	NT
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	0.00882 U	0.00795 U	0.00832 U	0.00869 U	NT	NT	NT	NT
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	0.0199 U	0.0179 U	0.0187 U	0.0196 U	NT	NT	NT	NT
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	0.000172 R	0.000196 U	0.000167 U	0.00019 U	NT	NT	NT	NT
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	0.00012 U	0.000137 U	0.000117 U	0.000133 U	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	0.000176 U	0.0002 U	0.000171 R	0.000194 R	NT	NT	NT	NT
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	0.000111 U	0.000127 U	0.000108 U	0.000123 U	NT	NT	NT	NT
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	0.000155 U	0.000177 R	0.000151 U	0.000171 U	NT	NT	NT	NT
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	0.00035 U	0.000399 R	0.000341 U	0.000387 U	NT	NT	NT	NT
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	0.000127 U	0.000145 U	0.000124 U	0.00014 U	NT	NT	NT	NT
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	0.000231 R	0.000263 U	0.000225 U	0.000255 U	NT	NT	NT	NT
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	0.000239 U	0.000272 U	0.000233 R	0.000264 R	NT	NT	NT	NT
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	0.000319 U	0.000363 U	0.000311 U	0.000352 U	NT	NT	NT	NT
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	0.000193 R	0.00022 U	0.000188 U	0.000213 U	NT	NT	NT	NT
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	0.000844 U	0.000963 U	0.000823 R	0.000933 R	NT	NT	NT	NT
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	0.000146 U	0.000167 U	0.000143 U	0.000162 U	NT	NT	NT	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.000111 U	0.000127 U	0.000108 U	0.000123 U	NT	NT	NT	NT
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	0.000111 U	0.000127 U	0.000108 U	0.000123 U	NT	NT	NT	NT
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	0.000109 U	0.000124 U	0.000106 U	0.000121 U	NT	NT	NT	NT
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	0.000159 U	0.000181 U	0.000155 U	0.000176 U	NT	NT	NT	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.00023 R	0.000262 R	0.000224 U	0.000254 U	NT	NT	NT	NT
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	0.000133 U	0.000151 U	0.000129 U	0.000147 U	NT	NT	NT	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.00041 R	0.000468 U	0.0004 U	0.000454 U	NT	NT	NT	NT
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	0.000118 R	0.000134 U	0.000115 U	0.00013 U	NT	NT	NT	NT
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	0.000172 U	0.000196 U	0.000167 U	0.00019 U	NT	NT	NT	NT
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	0.000146 U	0.000167 U	0.000143 U	0.000162 U	NT	NT	NT	NT
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	0.000317 R	0.000361 U	0.000309 U	0.00035 U	NT	NT	NT	NT
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	0.0174	0.00608	0.00936	0.000112 U	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	(EXCAVATED) AOC64-A1 0.0-0.5 03/26/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A1 2.0-2.5 03/26/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 03/27/2007 Normal (mg/kg)	AOC64-A2 2.5-3.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 06/15/2007 Duplicate (mg/kg)	(EXCAVATED) AOC64-A2 0.0-0.5 01/08/2009 Normal (mg/kg)	(EXCAVATED) AOC64-A2 1.0-1.5 01/21/2009 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>gw Soil_{ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>gw Soil_{ing}</small>									
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	0.000229 U	0.000261 U	0.000223 U	0.000253 U	NT	NT	NT	NT
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	0.000252 U	0.000287 U	0.000245 U	0.000278 U	NT	NT	NT	NT
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	0.000132 U	0.00015 U	0.000128 U	0.000146 U	NT	NT	NT	NT
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	0.000165 U	0.000188 U	0.000161 U	0.000182 U	NT	NT	NT	NT
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	0.000117 U	0.000133 U	0.000114 U	0.000129 U	NT	NT	NT	NT
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	0.000161 R	0.000183 U	0.000157 U	0.000178 U	NT	NT	NT	NT
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	0.000591 R	0.000674 R	0.000576 U	0.000653 U	NT	NT	NT	NT
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	0.000137 U	0.000157 U	0.000134 U	0.000152 U	NT	NT	NT	NT
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	0.000123 U	0.00014 U	0.00012 U	0.000136 U	NT	NT	NT	NT
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	0.000112 U	0.000128 U	0.000109 U	0.000124 U	NT	NT	NT	NT
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	0.000088 R	0.0001 U	0.000086 U	0.000097 U	NT	NT	NT	NT
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	0.000152 U	0.000173 U	0.000148 U	0.000168 U	NT	NT	NT	NT
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	0.000355 U	0.000405 U	0.000346 U	0.000392 U	NT	NT	NT	NT
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	0.00256 J	0.00135 J	0.000197 U	0.000223 U	NT	NT	NT	NT
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.00121 U	0.00138 U	0.00118 U	0.00134 U	NT	NT	NT	NT
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	0.000149 R	0.00017 U	0.000145 U	0.000165 U	NT	NT	NT	NT
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	0.00271 R	0.00163 J	0.00195 J	0.000429 U	NT	NT	NT	NT
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	0.00147 R	0.00167 R	0.00143 U	0.00162 U	NT	NT	NT	NT
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	0.000452 U	0.000516 U	0.000441 U	0.0005 U	NT	NT	NT	NT
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	0.000467 U	0.000532 R	0.000455 U	0.000516 U	NT	NT	NT	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.000367 U	0.00161 B	0.000357 R	0.000405 R	NT	NT	NT	NT
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	0.000174 R	0.000198 U	0.000169 U	0.000192 U	NT	NT	NT	NT
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	0.000137 U	0.000156 U	0.000133 U	0.000151 U	NT	NT	NT	NT
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	0.00017 R	0.000193 U	0.000165 U	0.000188 U	NT	NT	NT	NT
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	0.000157 U	0.000179 U	0.000153 U	0.000174 U	NT	NT	NT	NT
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	0.000114 U	0.00013 U	0.000111 U	0.000126 U	NT	NT	NT	NT
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	0.000148 R	0.000169 U	0.000144 U	0.000164 U	NT	NT	NT	NT
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	0.000246 U	0.00028 U	0.000239 U	0.000272 U	NT	NT	NT	NT
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	0.000187 U	0.000213 U	0.000182 U	0.000207 U	NT	NT	NT	NT
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	0.0131	0.00543 J	0.00816	0.000593 U	NT	NT	NT	NT
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	0.00016 U	0.000182 U	0.000156 U	0.000177 U	NT	NT	NT	NT
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	0.000137 U	0.000157 U	0.000134 U	0.000152 U	NT	NT	NT	NT
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	0.000173 R	0.000197 U	0.000168 U	0.000191 U	NT	NT	NT	NT
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	0.000246 U	0.00028 R	0.000239 U	0.000272 U	NT	NT	NT	NT
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	0.000342 U	0.00039 U	0.000333 U	0.000378 U	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-A2 3.0 01/30/2009 Normal (mg/kg)	AOC64-A2 5.5 01/30/2009 Normal (mg/kg)	AOC64-A2 1.0-1.5 02/09/2011 Normal (mg/kg)	(EXCAVATED) AOC64-A4 4.0-5.0 03/28/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A5 0.0-0.5 03/27/2007 Normal (mg/kg)	AOC64-A5 4.5-5.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A6 1.5-2.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A6 3.5-4.0 03/27/2007 Normal (mg/kg)	
		Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Inq}	Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Inq}		AOC64-A2 3.0 01/30/2009 Normal (mg/kg)	AOC64-A2 5.5 01/30/2009 Normal (mg/kg)	AOC64-A2 1.0-1.5 02/09/2011 Normal (mg/kg)	(EXCAVATED) AOC64-A4 4.0-5.0 03/28/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A5 0.0-0.5 03/27/2007 Normal (mg/kg)	AOC64-A5 4.5-5.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A6 1.5-2.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A6 3.5-4.0 03/27/2007 Normal (mg/kg)	
Explosives														
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	NT	NT	NT	0.0535 U	0.0488 U	0.0508 U	0.0515 U	0.0515 U	
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	NT	NT	NT	0.031 U	0.0283 U	0.0294 U	0.0299 U	0.0299 U	
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	NT	NT	NT	0.0918 U	0.0838 U	0.0872 U	0.0884 U	0.0885 U	
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	NT	NT	NT	0.0574 U	0.0524 U	0.0545 U	0.0553 U	0.0553 U	
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	NT	NT	NT	0.105 U	0.0958 U	0.0996 U	0.101 U	0.101 U	
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	NT	NT	NT	0.0313 U	0.0285 U	0.0297 U	0.0301 U	0.0301 U	
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	NT	NT	NT	0.105 U	0.0954 U	0.0992 U	0.101 U	0.101 U	
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	NT	NT	NT	0.0634 U	0.0579 U	0.0602 U	0.0611 U	0.0611 U	
HMX	N/A	2.0E+02	1.2E+00	---	1.172	NT	NT	NT	0.0454 U	0.0414 U	0.0431 U	0.0437 U	0.0438 U	
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	NT	NT	NT	0.031 U	0.0283 U	0.0294 U	0.0299 U	0.0299 U	
RDX	N/A	2.5E+01	1.8E-02	---	0.018	NT	NT	NT	0.0482 U	0.044 U	0.0457 U	0.0464 U	0.0464 U	
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	NT	NT	NT	0.141 R	0.129 R	0.134 R	0.136 R	0.136 R	
Metals														
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	NT	NT	NT	3.03 B	0.93 U	0.97 U	1.68 B	4.94 B	
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	34.7 M	11.9 M	NT	568 J	931	142	4200	922	
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	NT	NT	NT	0.082 U	0.46 B	0.077 U	0.7 B	2.21	
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	NT	NT	NT	11.4	8.78	2.63	9.9	13.5	
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	NT	NT	NT	7.5	17.8	1.1 B	647	70.5	
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	NT	NT	NT	14.8	32.9	4.14	173	1740	
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	NT	NT	NT	0.0085 B	0.22	0.0042 U	0.036	0.021	
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	NT	NT	NT	11.5	6.6 B	2.83 B	11.9	10.9	
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	NT	NT	8.43 B	29.3 B	179	7.17 B	2830	302	
Perchlorate														
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	NT	NT	NT	0.00905 U	0.00826 U	0.0086 U	0.00872 U	0.00873 U	
SVOCs														
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	NT	NT	NT	0.0368 U	0.0334 U	0.0347 U	0.0353 U	0.0355 U	
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	0.0624 U	0.0566 U	0.0589 U	0.0599 U	0.0602 U	
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	0.0651 U	0.059 U	0.0614 U	0.0624 U	0.0627 U	
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	0.0591 U	0.0536 U	0.0558 U	0.0568 U	0.057 U	
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	NT	NT	NT	0.00586 U	0.00532 U	0.00553 U	0.00563 U	0.00565 U	
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	NT	NT	NT	0.00943 U	0.00855 U	0.0089 U	0.00905 U	0.00909 U	
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	NT	NT	NT	0.0072 U	0.00653 U	0.00679 U	0.00691 U	0.00694 U	
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	NT	NT	NT	0.0313 U	0.0284 U	0.0295 U	0.03 U	0.0301 U	
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	NT	NT	NT	0.0686 U	0.0622 U	0.0647 U	0.0658 U	0.0661 U	
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	NT	NT	NT	0.024 R	0.0217 U	0.0226 U	0.023 U	0.0231 U	
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	NT	NT	NT	0.0339 U	0.0308 U	0.032 U	0.0326 U	1.19	

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-A2 3.0	AOC64-A2 5.5	AOC64-A2 1.0-1.5	(EXCAVATED) AOC64-A4 4.0-5.0	(EXCAVATED) AOC64-A5 0.0-0.5	AOC64-A5 4.5-5.0	(EXCAVATED) AOC64-A6 1.5-2.0	(EXCAVATED) AOC64-A6 3.5-4.0
		30-Acre Source	30-Acre Source	30-Acre Source		01/30/2009 Normal	01/30/2009 Normal	02/09/2011 Normal	03/28/2007 Normal	03/27/2007 Normal	03/27/2007 Normal	03/27/2007 Normal	
		TotSoil _{Comb}	gWSoil _{ing}	gWSoil _{ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	NT	NT	NT	0.00719 U	0.00652 U	0.00678 U	0.0069 U	0.00693 U
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	NT	NT	NT	0.0305 U	0.0277 U	0.0288 U	0.0293 U	0.0294 U
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	NT	NT	NT	0.0313 U	0.0284 U	0.0295 U	0.03 U	0.0301 U
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	NT	NT	NT	0.00898 U	0.00814 U	0.00847 U	0.00862 U	0.00866 U
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	NT	NT	NT	0.0212 U	0.0192 U	0.02 U	0.0203 U	0.0204 U
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	0.00952 U	0.00863 U	0.00898 U	0.00914 U	0.00918 U
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	NT	NT	NT	0.0121 U	0.011 U	0.0114 U	0.0116 U	0.0117 U
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	NT	NT	NT	0.0122 U	0.011 U	0.0115 U	0.0117 U	0.0117 U
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	NT	NT	NT	0.0706 U	0.064 U	0.0666 U	0.0678 U	0.0681 U
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	NT	NT	NT	0.00831 U	0.00753 U	0.00784 U	0.00798 U	0.00801 U
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	NT	NT	NT	0.0158 U	0.0143 U	0.0149 U	0.0151 U	0.0152 U
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	NT	NT	NT	0.0155 U	0.0141 U	0.0146 U	0.0149 U	0.015 U
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	NT	NT	NT	0.0125 U	0.0113 U	0.0118 U	0.012 U	0.0121 U
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	NT	NT	NT	0.0515 U	0.0466 U	0.0485 U	0.0494 U	0.0496 U
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	NT	NT	NT	0.0487 U	0.0441 U	0.0459 U	0.0467 U	0.0469 U
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	NT	NT	NT	0.0104 U	0.00944 U	0.00982 U	0.01 U	0.01 U
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	NT	NT	NT	0.00898 U	0.00814 U	0.00847 U	0.00862 U	0.00866 U
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	NT	NT	NT	0.00908 U	0.00823 U	0.00856 U	0.00871 U	0.00875 U
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	NT	NT	NT	0.00626 U	0.00567 U	0.0059 U	0.006 U	0.00603 U
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	NT	NT	NT	0.00736 U	0.00668 U	0.00694 U	0.00707 U	0.0071 U
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	NT	NT	NT	0.0099 U	0.00898 U	0.00934 U	0.0095 U	0.00954 U
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	NT	NT	NT	0.00796 U	0.00721 U	0.0075 U	0.00764 U	0.00767 U
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	NT	NT	NT	0.0337 U	0.0305 U	0.0318 U	0.0323 U	0.0325 U
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	NT	NT	NT	0.194 R	0.176 U	0.183 U	0.186 U	0.187 U
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	NT	NT	NT	0.00913 U	0.00828 U	0.00861 U	0.00876 U	0.0088 U
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	NT	NT	NT	0.00647 U	0.00587 U	0.0061 U	0.00621 U	0.00624 U
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	NT	NT	NT	0.0453 U	0.041 U	0.0427 U	0.0434 U	0.0436 U
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	NT	NT	NT	0.041 U	0.0372 U	0.0386 U	0.0393 U	0.0395 U
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	NT	NT	NT	0.0198 U	0.018 U	0.0187 U	0.019 U	0.0191 U
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	NT	NT	NT	0.00958 U	0.00869 U	0.00904 U	0.0092 U	0.00924 U
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	NT	NT	NT	0.0132 U	0.012 U	0.0125 U	0.0127 U	0.0128 U
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	NT	NT	NT	0.0388 U	0.0352 U	0.0366 U	0.0373 U	0.0374 U
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	NT	NT	NT	0.00535 U	0.00485 U	0.00504 U	0.00513 U	0.00515 U
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	NT	NT	NT	0.00684 U	0.0062 U	0.00645 U	0.00656 U	0.00659 U
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	NT	NT	NT	0.0247 U	0.0224 U	0.0233 U	0.0237 U	0.0238 U
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	NT	NT	NT	0.00837 U	0.00759 U	0.0079 U	0.00804 U	0.142 J
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	NT	NT	NT	0.00873 U	0.00791 U	0.00823 U	0.00838 U	0.00841 U
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	NT	NT	NT	0.0111 U	0.01 U	0.0104 U	0.0106 U	0.0107 U
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	NT	NT	NT	0.007 U	0.00635 U	0.0066 U	0.00672 U	0.00675 U
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	NT	NT	NT	0.0121 U	0.011 U	0.0114 U	0.0116 U	0.0117 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-A2 3.0 01/30/2009 Normal (mg/kg)	AOC64-A2 5.5 01/30/2009 Normal (mg/kg)	AOC64-A2 1.0-1.5 02/09/2011 Normal (mg/kg)	(EXCAVATED) AOC64-A4 4.0-5.0 03/28/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A5 0.0-0.5 03/27/2007 Normal (mg/kg)	AOC64-A5 4.5-5.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A6 1.5-2.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A6 3.5-4.0 03/27/2007 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source TotSoil _{Comb}	Tier 1 PCL ³ 30-Acre Source gwSoil _{Ing}	Tier 2 PCL ³ 30-Acre Source gwSoil _{Ing}		AOC64-A2 3.0 01/30/2009 Normal (mg/kg)	AOC64-A2 5.5 01/30/2009 Normal (mg/kg)	AOC64-A2 1.0-1.5 02/09/2011 Normal (mg/kg)	(EXCAVATED) AOC64-A4 4.0-5.0 03/28/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A5 0.0-0.5 03/27/2007 Normal (mg/kg)	AOC64-A5 4.5-5.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A6 1.5-2.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-A6 3.5-4.0 03/27/2007 Normal (mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	0.0406 U	0.0368 U	0.0383 U	0.039 U	0.0391 U
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	NT	NT	NT	0.0308 U	0.0279 U	0.029 U	0.0295 U	0.0297 U
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	NT	NT	NT	0.0555 U	0.0503 U	0.0523 U	0.0533 U	0.0535 U
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	NT	NT	NT	0.0288 U	0.0261 U	0.0271 U	0.0276 U	0.0277 U
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	NT	NT	NT	0.0058 U	0.00526 U	0.00547 U	0.00557 U	0.00559 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	0.0333 U	0.0302 U	0.0314 U	0.032 U	0.0321 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	NT	NT	NT	0.0429 U	0.0389 U	0.0404 U	0.0411 U	0.0413 U
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	NT	NT	NT	0.00943 U	0.00855 U	0.0089 U	0.00905 U	0.00909 U
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	NT	NT	NT	0.0137 U	0.0125 U	0.013 U	0.0132 U	1.05
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	NT	NT	NT	0.037 U	0.0335 U	0.0348 U	0.0355 U	0.0356 U
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	NT	NT	NT	0.00651 U	0.0059 U	0.00614 U	0.00624 U	0.00627 U
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	NT	NT	NT	0.00863 U	0.00782 U	0.00813 U	0.00828 U	0.00831 U
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	NT	NT	NT	0.0194 U	0.0176 U	0.0183 U	0.0186 U	0.0187 U
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	NT	NT	NT	0.000174 U	0.000164 U	0.000178 U	0.000153 U	0.000145 U
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	NT	NT	NT	0.000121 U	0.000115 U	0.000124 U	0.000107 U	0.000101 U
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	NT	NT	NT	0.000178 B	0.000168 U	0.000182 U	0.000157 U	0.000148 U
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	NT	NT	NT	0.000112 U	0.000106 U	0.000115 U	0.000099 U	0.000094 U
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	NT	NT	NT	0.000157 U	0.000148 U	0.000161 U	0.000139 U	0.000131 U
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	NT	NT	NT	0.000354 U	0.000334 U	0.000363 U	0.000313 U	0.000295 U
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	NT	NT	NT	0.000128 U	0.000121 U	0.000131 U	0.000113 U	0.000107 U
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	NT	NT	NT	0.000234 U	0.000221 U	0.00024 U	0.000206 U	0.000195 U
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	NT	NT	NT	0.000242 R	0.000228 U	0.000248 U	0.000213 U	0.000202 U
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	NT	NT	NT	0.000323 U	0.000305 U	0.000331 U	0.000285 U	0.000269 U
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	NT	NT	NT	0.000195 U	0.000154 J	0.0002 U	0.000107 J	0.000129 J
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	NT	NT	NT	0.000855 R	0.000806 U	0.000876 U	0.000754 U	0.000712 U
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	NT	NT	NT	0.000148 U	0.00014 U	0.000152 U	0.000131 U	0.000123 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	0.000112 U	0.000106 U	0.000115 U	0.000099 U	0.000094 U
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	NT	NT	NT	0.000112 U	0.000106 U	0.000115 U	0.000099 U	0.000094 U
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	0.000111 U	0.000104 U	0.000113 U	0.000098 U	0.000092 U
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	NT	NT	NT	0.000161 U	0.000152 U	0.000165 U	0.000142 U	0.000134 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	0.000233 U	0.00022 R	0.000239 U	0.000206 R	0.000194 R
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	NT	NT	NT	0.000134 U	0.000127 U	0.000138 U	0.000118 U	0.000112 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	0.000415 U	0.000392 U	0.000426 U	0.000367 U	0.000346 U
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	NT	NT	NT	0.000119 U	0.000113 U	0.000122 U	0.000105 U	0.0001 U
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	NT	NT	NT	0.000174 U	0.000164 U	0.000178 U	0.000153 U	0.000145 U
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	NT	NT	NT	0.000148 U	0.00014 U	0.000152 U	0.000131 U	0.000123 U
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	NT	NT	NT	0.000321 U	0.000303 U	0.000329 U	0.000283 U	0.000267 U
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	NT	NT	NT	0.0134 J	0.017	0.00255 J	0.014	0.0198

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-A2 3.0	AOC64-A2 5.5	AOC64-A2 1.0-1.5	(EXCAVATED) AOC64-A4 4.0-5.0	(EXCAVATED) AOC64-A5 0.0-0.5	AOC64-A5 4.5-5.0	(EXCAVATED) AOC64-A6 1.5-2.0	(EXCAVATED) AOC64-A6 3.5-4.0
		30-Acre Source Tot ⁵ Soil _{Comb}	30-Acre Source GW ⁶ Soil _{Ing}	30-Acre Source GW ⁶ Soil _{Ing}		01/30/2009 Normal (mg/kg)	01/30/2009 Normal (mg/kg)	02/09/2011 Normal (mg/kg)	03/28/2007 Normal (mg/kg)	03/27/2007 Normal (mg/kg)	03/27/2007 Normal (mg/kg)	03/27/2007 Normal (mg/kg)	03/27/2007 Normal (mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	NT	NT	NT	0.000232 U	0.000219 U	0.000238 U	0.000205 U	0.000193 U
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	NT	NT	NT	0.000255 U	0.00024 U	0.000261 U	0.000225 U	0.000212 U
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	NT	NT	NT	0.000133 U	0.000126 U	0.000136 U	0.000118 U	0.000111 U
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	NT	NT	NT	0.000167 U	0.000157 U	0.000171 U	0.000147 U	0.000139 U
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	NT	NT	NT	0.000118 U	0.000112 U	0.000121 U	0.000105 U	0.000099 U
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	NT	NT	NT	0.000163 U	0.000154 U	0.000167 U	0.000144 U	0.000136 U
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	NT	NT	NT	0.000598 U	0.000564 U	0.000613 U	0.000528 U	0.000498 U
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	NT	NT	NT	0.000139 U	0.000131 U	0.000143 U	0.000123 U	0.000116 U
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	NT	NT	NT	0.000124 U	0.000117 U	0.000127 U	0.00011 U	0.000104 U
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	NT	NT	NT	0.000113 U	0.000107 U	0.000116 U	0.0001 U	0.000095 U
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	NT	NT	NT	0.000089 U	0.000084 U	0.000091 U	0.000078 U	0.000074 U
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	NT	NT	NT	0.000154 U	0.000145 U	0.000158 U	0.000136 U	0.000128 U
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	NT	NT	NT	0.000359 U	0.000339 U	0.000368 U	0.000317 U	0.000299 U
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	NT	NT	NT	0.000204 U	0.00388 J	0.00215 J	0.00325 J	0.00382 J
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	0.00123 U	0.00116 U	0.00126 U	0.00108 U	0.00102 U
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	NT	NT	NT	0.000151 U	0.000142 U	0.000155 U	0.000133 U	0.000126 U
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	NT	NT	NT	0.000393 U	0.00474	0.000402 U	0.00389 J	0.00439
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	NT	NT	NT	0.00149 U	0.0014 U	0.00152 U	0.00131 U	0.00124 U
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	NT	NT	NT	0.000458 U	0.000432 U	0.000469 U	0.00323 J	0.000382 U
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	NT	NT	NT	0.000473 U	0.000446 U	0.000484 U	0.000417 U	0.000394 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	0.000371 U	0.0023 J	0.00038 U	0.000328 U	0.00147 J
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	NT	NT	NT	0.000176 U	0.000166 U	0.00018 U	0.000155 U	0.000146 U
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	NT	NT	NT	0.000138 U	0.00013 U	0.000142 U	0.000122 U	0.000115 U
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	NT	NT	NT	0.000172 U	0.00245 J	0.000176 U	0.00175 J	0.00207 J
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	NT	NT	NT	0.000159 U	0.00015 U	0.000163 U	0.00014 U	0.000132 U
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	NT	NT	NT	0.000115 U	0.000109 U	0.000118 U	0.000102 U	0.000096 U
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	NT	NT	NT	0.00015 U	0.000142 U	0.000154 U	0.000132 U	0.000125 U
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	NT	NT	NT	0.000249 U	0.000235 U	0.000255 U	0.00022 U	0.000207 U
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	NT	NT	NT	0.000189 U	0.000179 U	0.000194 U	0.00216 J	0.00507
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	NT	NT	NT	0.00933	0.0152	0.00389 J	0.013	0.0153
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	NT	NT	NT	0.000162 U	0.000153 U	0.000166 U	0.000143 U	0.000135 U
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	NT	NT	NT	0.000139 U	0.000131 U	0.000143 U	0.000123 U	0.000116 U
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	NT	NT	NT	0.000175 U	0.000165 U	0.000179 U	0.000154 U	0.000146 U
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	NT	NT	NT	0.000249 U	0.000235 U	0.000255 U	0.00022 U	0.000207 U
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	NT	NT	NT	0.000346 U	0.000327 U	0.000355 U	0.000306 U	0.000289 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-A9 1.5-2.0 03/27/2007 Normal (mg/kg)	AOC64-A9 2.5 01/16/2009 Normal (mg/kg)	(EXCAVATED) AOC64-B1 0.0-0.5 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-B1 2.5-3.0 03/27/2007 Normal (mg/kg)	AOC64-B2 2.5-3.0 03/27/2007 Normal (mg/kg)	AOC64-B3 6.0-6.5 03/27/2007 Normal (mg/kg)	AOC64-B4 6.5-7.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-C1 0.0-0.5 03/27/2007 Normal (mg/kg)
		Tier 1 PCL ³	Tier 1 PCL ³	Tier 2 PCL ³		Tier 1 PCL ³	Tier 2 PCL ³	Tier 1 PCL ³	Tier 2 PCL ³	Tier 1 PCL ³	Tier 2 PCL ³	Tier 1 PCL ³	Tier 2 PCL ³
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	0.0528 U	NT	0.0499 R	0.0585 R	0.0424 U	0.0489 R	0.0511 U	0.0555 R
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	0.0306 U	NT	0.0289 R	0.0339 R	0.0246 U	0.0284 R	0.0296 U	0.0322 R
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	0.0906 U	NT	0.0856 R	0.1 R	0.0728 U	0.0839 R	0.0877 U	0.0953 R
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	0.0567 U	NT	0.0535 R	0.0628 R	0.0455 U	0.0525 R	0.0548 U	0.0595 R
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	0.104 U	NT	0.0979 R	0.115 R	0.0832 U	0.0959 R	0.1 U	0.109 R
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	0.0309 U	NT	0.0292 R	0.0342 R	0.0248 U	0.0286 R	0.0299 U	0.0325 R
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	0.103 U	NT	0.0975 R	0.114 R	0.0829 U	0.0956 R	0.0999 U	0.108 R
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	0.0626 U	NT	0.0592 R	0.0694 R	0.0503 U	0.058 R	0.0606 U	0.0658 R
HMX	N/A	2.0E+02	1.2E+00	---	1.172	0.0448 U	NT	0.0424 R	0.0497 R	0.036 U	0.0415 R	0.0434 U	0.0471 R
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	0.0306 U	NT	0.0289 R	0.0339 R	0.0246 U	0.0284 R	0.0296 U	0.0322 R
RDX	N/A	2.5E+01	1.8E-02	---	0.018	0.0476 U	NT	0.0449 R	0.0527 R	0.0382 U	0.044 R	0.046 U	0.05 R
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	0.139 R	NT	0.132 R	0.155 R	0.112 U	0.129 R	0.135 R	0.147 R
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	1.01 U	NT	2.8 B	3.61 B	2.79 B	4.35 B	4.45	2.58 B
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	128 J	NT	192	992	38.7	75.4	93.4	16800
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	1 B	NT	0.076 U	2.63	0.064 U	0.075 U	0.031 U	4.81
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	5.56	NT	9.54	12.1	7.98	11.6	13.1	12.6
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	4.62	NT	4.31	87.7	2.42	3.39	4.51	78.1
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	12.8	NT	7.36	210	5.03	6.49	15.9	74.3
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	0.12	NT	0.017	0.098	0.0093 B	0.0041 U	0.0043 U	1
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	4.62 B	NT	7.1 B	9.62 B	5.72 B	9.44	9.65	12.8
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	15.4 B	NT	17 B	637 B	10.4 B	14.9 B	21.9	1740
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	0.00894 U	NT	0.00845 U	0.00991 U	0.00718 U	0.00828 U	0.00865 U	0.0094 U
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	0.0364 U	NT	0.034 U	0.04 U	0.0291 U	0.0333 U	0.0352 U	0.0381 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.0616 U	NT	0.0576 U	0.0678 U	0.0493 U	0.0565 U	0.0596 U	0.0646 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.0642 U	NT	0.0601 U	0.0707 U	0.0514 U	0.0589 U	0.0622 U	0.0673 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.0584 U	NT	0.0546 U	0.0643 U	0.0467 U	0.0535 U	0.0565 U	0.0612 U
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	0.00579 U	NT	0.00542 U	0.00637 U	0.00463 U	0.00531 U	0.0056 U	0.00606 U
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	0.00931 U	NT	0.00871 U	0.0103 U	0.00746 U	0.00854 U	0.00901 U	0.00976 U
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	0.00711 U	NT	0.00665 U	0.00783 U	0.00569 U	0.00652 U	0.00688 U	0.00745 U
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	0.0309 U	NT	0.0289 U	0.034 U	0.0247 U	0.0283 U	0.0299 U	0.0323 U
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	0.0677 U	NT	0.0634 U	0.0746 U	0.0542 U	0.0621 U	0.0655 U	0.071 U
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	0.0237 U	NT	0.0221 U	0.026 U	0.0189 U	0.0217 R	0.0229 R	0.0248 R
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	0.0335 U	NT	0.0313 U	0.0369 U	0.0268 U	0.0307 U	0.0324 U	0.0351 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-A9 1.5-2.0 03/27/2007 Normal (mg/kg)	AOC64-A9 2.5 01/16/2009 Normal (mg/kg)	(EXCAVATED) AOC64-B1 0.0-0.5 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-B1 2.5-3.0 03/27/2007 Normal (mg/kg)	AOC64-B2 2.5-3.0 03/27/2007 Normal (mg/kg)	AOC64-B3 6.0-6.5 03/27/2007 Normal (mg/kg)	AOC64-B4 6.5-7.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-C1 0.0-0.5 03/27/2007 Normal (mg/kg)
		Tier 1 PCL ³	Tier 1 PCL ³	Tier 2 PCL ³		Tier 1 PCL ³	Tier 2 PCL ³	Tier 1 PCL ³	Tier 2 PCL ³	Tier 1 PCL ³	Tier 2 PCL ³	Tier 1 PCL ³	Tier 2 PCL ³
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	0.0071 U	NT	0.00664 U	0.00781 U	0.00568 U	0.00651 U	0.00687 U	0.00743 U
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	0.0301 U	NT	0.0282 U	0.0332 U	0.0241 U	0.0276 U	0.0292 U	0.0316 U
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	0.0309 U	NT	0.0289 U	0.034 U	0.0247 U	0.0283 U	0.0299 U	0.0323 U
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	0.00887 U	NT	0.00829 U	0.00976 U	0.0071 U	0.00813 U	0.00858 U	0.00929 U
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	0.0209 U	NT	0.0196 U	0.023 U	0.0167 U	0.0192 U	0.0202 U	0.0219 U
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	0.0094 U	NT	0.00879 U	0.0103 U	0.00752 U	0.00862 U	0.0091 U	0.00985 U
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	0.0119 U	NT	0.0112 U	0.0131 U	0.00956 U	0.0109 U	0.0116 U	0.0125 U
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	0.012 U	NT	0.0112 U	0.0132 U	0.00962 U	0.011 U	0.0116 U	0.0126 U
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	0.0697 U	NT	0.0652 U	0.0768 U	0.0558 U	0.0639 U	0.0675 U	0.073 U
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	0.00821 U	NT	0.00767 U	0.00903 U	0.00657 U	0.00752 U	0.00794 U	0.0086 U
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	0.0156 U	NT	0.0146 U	0.0171 U	0.0125 U	0.0143 U	0.0151 U	0.0163 U
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	0.0153 U	NT	0.0143 U	0.0169 U	0.0123 U	0.014 U	0.0148 U	0.016 U
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	0.0124 U	NT	0.0116 U	0.0136 U	0.00989 U	0.0113 U	0.012 U	0.0129 U
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	0.0508 U	NT	0.0475 U	0.0559 U	0.0407 U	0.0466 U	0.0491 U	0.0532 U
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	0.0481 U	NT	0.045 U	0.0529 U	0.0385 U	0.0441 U	0.0465 U	0.0503 U
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	0.0103 U	NT	0.00962 U	0.0113 U	0.00823 U	0.00943 U	0.00995 U	0.0108 U
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	0.00887 U	NT	0.00829 U	0.00976 U	0.0071 U	0.00813 U	0.00858 U	0.00929 U
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	0.00897 U	NT	0.00838 U	0.00987 U	0.00718 U	0.00822 U	0.00867 U	0.00939 U
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	0.00618 U	NT	0.00578 U	0.0068 U	0.00494 U	0.00566 U	0.00598 U	0.00647 U
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	0.00727 U	NT	0.0068 U	0.008 U	0.00582 U	0.00667 U	0.00704 U	0.00762 U
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	0.00977 U	NT	0.00914 U	0.0108 U	0.00782 U	0.00896 U	0.00946 U	0.0102 U
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	0.00786 U	NT	0.00735 U	0.00865 U	0.0217 J	0.0072 U	0.0076 U	0.00823 U
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	0.0332 U	NT	0.0311 U	0.0366 U	0.0266 U	0.0305 U	0.0322 U	0.0348 U
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	0.192 U	NT	0.179 U	0.211 U	0.153 U	0.176 R	0.186 R	0.201 R
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	0.00901 U	NT	0.00843 U	0.00992 U	0.00722 U	0.00826 U	0.00872 U	0.00944 U
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	0.00639 U	NT	0.00597 U	0.00703 U	0.00511 U	0.00586 U	0.00618 U	0.00669 U
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	0.0447 U	NT	0.0418 U	0.0492 U	0.0358 U	0.041 U	0.0432 U	0.0468 U
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	0.0405 U	NT	0.0378 U	0.0445 U	0.0324 U	0.0371 U	0.0392 U	0.0424 U
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	0.0195 U	NT	0.0183 U	0.0215 U	0.0156 U	0.0179 U	0.0189 U	0.0205 U
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	0.00946 U	NT	0.00885 U	0.0104 U	0.00757 U	0.00868 U	0.00916 U	0.00991 U
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	0.0131 U	NT	0.0122 U	0.0144 U	0.0105 U	0.012 U	0.0126 U	0.0137 U
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	0.0384 U	NT	0.0359 U	0.0422 U	0.0307 U	0.0352 U	0.0371 U	0.0402 U
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	0.00528 U	NT	0.00494 U	0.00581 U	0.00423 U	0.00484 U	0.00511 U	0.00553 U
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	0.00675 U	NT	0.00631 U	0.0174 J	0.348	0.0383 J	0.154 J	0.0317 J
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	0.0244 U	NT	0.0228 U	0.0269 U	0.0195 U	0.0224 U	0.0236 U	0.0256 U
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	0.00827 U	NT	0.00773 U	0.0091 U	0.00662 U	0.00758 U	0.008 U	0.0365 J
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	0.00862 U	NT	0.00806 U	0.00948 U	0.0069 U	0.0079 U	0.00834 U	0.00903 U
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	0.0109 U	NT	0.0102 U	0.012 U	0.00875 U	0.01 U	0.0106 U	0.0115 U
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	0.00691 U	NT	0.00646 U	0.00761 U	0.00553 U	0.00634 U	0.00669 U	0.00724 U
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	0.012 U	NT	0.0112 U	0.0132 U	0.00958 U	0.011 U	0.0116 U	0.0125 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-A9 1.5-2.0 03/27/2007 Normal (mg/kg)	AOC64-A9 2.5 01/16/2009 Normal (mg/kg)	(EXCAVATED) AOC64-B1 0.0-0.5 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-B1 2.5-3.0 03/27/2007 Normal (mg/kg)	AOC64-B2 2.5-3.0 03/27/2007 Normal (mg/kg)	AOC64-B3 6.0-6.5 03/27/2007 Normal (mg/kg)	AOC64-B4 6.5-7.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-C1 0.0-0.5 03/27/2007 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>GW Soil_{Ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>GW Soil_{Ing}</small>		AOC64-A9 1.5-2.0 03/27/2007 Normal (mg/kg)	AOC64-A9 2.5 01/16/2009 Normal (mg/kg)	(EXCAVATED) AOC64-B1 0.0-0.5 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-B1 2.5-3.0 03/27/2007 Normal (mg/kg)	AOC64-B2 2.5-3.0 03/27/2007 Normal (mg/kg)	AOC64-B3 6.0-6.5 03/27/2007 Normal (mg/kg)	AOC64-B4 6.5-7.0 03/27/2007 Normal (mg/kg)	(EXCAVATED) AOC64-C1 0.0-0.5 03/27/2007 Normal (mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.0401 U	NT	0.0375 U	0.0441 U	0.0321 U	0.0368 U	0.0388 U	0.042 U
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	0.0304 U	NT	0.0284 U	0.0334 U	0.0243 U	0.0279 U	0.0294 U	0.0318 U
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	0.0548 U	NT	0.0512 U	0.0603 U	0.0439 U	0.0502 U	0.053 U	0.0574 U
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	0.0284 U	NT	0.0266 U	0.0313 U	0.0227 U	0.026 U	0.0275 U	0.0297 U
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	0.00573 U	NT	0.00536 U	0.0063 U	0.00458 U	0.00525 U	0.00554 U	0.006 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.0329 U	NT	0.0307 U	0.0362 U	0.0263 U	0.0301 U	0.0318 U	0.0344 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	0.0423 U	NT	0.0396 U	0.0466 U	0.0339 U	0.0388 U	0.041 U	0.0443 U
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	0.00931 U	NT	0.00871 U	0.0103 U	0.00746 U	0.00854 U	0.00901 U	0.00976 U
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	0.0136 U	NT	0.0127 U	0.0149 U	0.0109 U	0.0124 U	0.0131 U	0.0142 U
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	0.0365 U	NT	0.0341 U	0.0402 U	0.0292 U	0.0334 U	0.0353 U	0.0382 U
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	0.00642 U	NT	0.00601 U	0.00707 U	0.00514 U	0.00589 U	0.00622 U	0.00673 U
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	0.00852 U	NT	0.00797 U	0.00938 U	0.00682 U	0.00781 U	0.00824 U	0.00892 U
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	0.0192 U	NT	0.0179 U	0.0211 U	0.0153 U	0.0176 U	0.0186 U	0.0201 U
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	0.000159 U	NT	0.000161 U	0.000206 U	0.000118 U	0.000182 U	0.000174 U	0.000159 U
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	0.000111 U	NT	0.000112 U	0.000144 U	0.000082 U	0.000127 U	0.000121 U	0.000111 U
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	0.000163 U	NT	0.000164 R	0.00021 R	0.000121 U	0.000186 U	0.000177 U	0.000162 U
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	0.000103 U	NT	0.000104 U	0.000133 U	0.000076 U	0.000118 U	0.000112 U	0.000103 U
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	0.000144 U	NT	0.000145 U	0.000186 U	0.000107 U	0.000164 U	0.000157 U	0.000143 U
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	0.000325 U	NT	0.000328 U	0.00042 U	0.000241 U	0.00037 U	0.000354 U	0.000324 U
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	0.000118 U	NT	0.000119 U	0.000152 U	0.000087 U	0.000134 U	0.000128 U	0.000117 U
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	0.000214 U	NT	0.000216 U	0.000277 U	0.000159 U	0.000244 U	0.000234 U	0.000214 U
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	0.000222 U	NT	0.000224 R	0.000286 R	0.000164 U	0.000253 U	0.000242 U	0.000221 U
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	0.000296 U	NT	0.000299 U	0.000382 U	0.000219 U	0.000337 U	0.000322 U	0.000295 U
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	0.0021 J	NT	0.000181 U	0.000232 U	0.000133 U	0.000166 J	0.000195 U	0.00012 J
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	0.000784 U	NT	0.000791 R	0.00101 R	0.00058 U	0.000893 U	0.000854 U	0.000782 U
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	0.000136 U	NT	0.000137 U	0.000175 U	0.000101 U	0.000155 U	0.000148 U	0.000135 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.000103 U	NT	0.000104 U	0.000133 U	0.000076 U	0.000118 U	0.000112 U	0.000103 U
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	0.000103 U	NT	0.000104 U	0.000133 U	0.000076 U	0.000118 U	0.000112 U	0.000103 U
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	0.000101 U	NT	0.000102 U	0.000131 U	0.000075 U	0.000116 U	0.000111 U	0.000101 U
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	0.000147 U	NT	0.000149 U	0.000191 U	0.000109 U	0.000168 U	0.000161 U	0.000147 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.000214 R	NT	0.000216 U	0.000276 U	0.000158 U	0.000243 R	0.000233 R	0.000213 R
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	0.000123 U	NT	0.000124 U	0.000159 U	0.000091 U	0.00014 U	0.000134 U	0.000123 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.000381 U	NT	0.000384 U	0.000492 U	0.000282 U	0.000434 U	0.000415 U	0.00038 U
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	0.000109 U	NT	0.00011 U	0.000141 U	0.000081 U	0.000125 U	0.000119 U	0.000109 U
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	0.000159 U	NT	0.000161 U	0.000206 U	0.000118 U	0.000182 U	0.000174 U	0.000159 U
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	0.000136 U	NT	0.000137 U	0.000175 U	0.000101 U	0.000155 U	0.000148 U	0.000135 U
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	0.000294 U	NT	0.000297 U	0.00038 U	0.000218 U	0.000335 U	0.00032 U	0.000293 U
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	0.0178	0.0116 U	0.0192	0.0111	0.0055	0.00941	0.00985	0.0132

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-A9 1.5-2.0 03/27/2007 Normal	AOC64-A9 2.5 01/16/2009 Normal	(EXCAVATED) AOC64-B1 0.0-0.5 03/27/2007 Normal	(EXCAVATED) AOC64-B1 2.5-3.0 03/27/2007 Normal	AOC64-B2 2.5-3.0 03/27/2007 Normal	AOC64-B3 6.0-6.5 03/27/2007 Normal	AOC64-B4 6.5-7.0 03/27/2007 Normal	(EXCAVATED) AOC64-C1 0.0-0.5 03/27/2007 Normal
		Tier 1 PCL ³	Tier 1 PCL ³	Tier 2 PCL ³		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	0.000213 U	NT	0.000215 U	0.000275 U	0.000158 U	0.000242 U	0.000232 U	0.000212 U
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	0.000233 U	NT	0.000236 U	0.000302 U	0.000173 U	0.000266 U	0.000254 U	0.000233 U
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	0.000122 U	NT	0.000123 U	0.000158 U	0.00009 U	0.000139 U	0.000133 U	0.000122 U
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	0.000153 U	NT	0.000154 U	0.000198 U	0.000113 U	0.000174 U	0.000167 U	0.000153 U
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	0.000109 U	NT	0.00011 U	0.00014 U	0.00008 U	0.000124 U	0.000118 U	0.000108 U
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	0.000149 U	NT	0.000151 U	0.000193 U	0.000111 U	0.00017 U	0.000163 U	0.000149 U
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	0.000548 U	NT	0.000553 U	0.000709 U	0.000406 U	0.000625 U	0.000597 U	0.000547 U
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	0.000128 U	NT	0.000129 U	0.000165 U	0.000095 U	0.000145 U	0.000139 U	0.000127 U
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	0.000114 U	NT	0.000115 U	0.000147 U	0.000084 U	0.00013 U	0.000124 U	0.000114 U
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	0.000104 U	NT	0.000105 U	0.000134 U	0.000077 U	0.000119 U	0.000113 U	0.000104 U
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	0.000081 U	NT	0.000082 U	0.000105 U	0.00006 U	0.000093 U	0.000089 U	0.000081 U
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	0.000141 U	NT	0.000142 U	0.000182 U	0.000105 U	0.000161 U	0.000154 U	0.000141 U
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	0.000329 U	NT	0.000332 U	0.000426 U	0.000244 U	0.000375 U	0.000359 U	0.000329 U
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	0.00438 J	NT	0.0024 J	0.000242 U	0.000139 U	0.00325 J	0.00302 J	0.00285 J
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.00113 U	NT	0.00114 U	0.00146 U	0.000834 U	0.00128 U	0.00123 U	0.00112 U
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	0.000138 U	NT	0.00014 U	0.000179 U	0.000103 U	0.000158 U	0.000151 U	0.000138 U
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	0.00575	NT	0.00309 J	0.000465 U	0.000267 U	0.00382 J	0.00284 J	0.0039 J
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	0.00136 U	NT	0.00137 U	0.00176 U	0.00101 U	0.00155 U	0.00148 U	0.00136 U
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	0.00042 U	NT	0.000424 U	0.000543 U	0.000311 U	0.000479 U	0.000457 U	0.000419 U
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	0.000433 U	NT	0.000437 U	0.00056 U	0.000321 U	0.000494 U	0.000472 U	0.000432 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.00232 J	NT	0.000343 R	0.00044 R	0.000252 U	0.00269 J	0.000371 U	0.00175 J
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	0.000161 U	NT	0.000163 U	0.000208 U	0.000119 U	0.000184 U	0.000175 U	0.000161 U
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	0.000127 U	NT	0.000128 U	0.000164 U	0.000094 U	0.000144 U	0.000138 U	0.000126 U
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	0.0028 J	NT	0.000159 U	0.000203 U	0.000117 U	0.0019 J	0.00129 J	0.00175 J
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	0.000146 U	NT	0.000147 U	0.000188 U	0.000108 U	0.000166 U	0.000159 U	0.000145 U
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	0.000106 U	NT	0.000107 U	0.000137 U	0.000078 U	0.000121 U	0.000115 U	0.000106 U
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	0.000138 U	NT	0.000139 U	0.000178 U	0.000102 U	0.000157 U	0.00015 U	0.000137 U
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	0.000228 U	NT	0.00023 U	0.000295 U	0.000169 U	0.00026 U	0.000248 U	0.000227 U
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	0.000174 U	NT	0.00386 J	0.00927	0.000129 U	0.000198 U	0.00347 J	0.000173 U
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	0.0158	NT	0.0141	0.00698	0.00513	0.011	0.00987	0.0124
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	0.000148 U	NT	0.00015 U	0.000192 U	0.00011 U	0.000169 U	0.000162 U	0.000148 U
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	0.000128 U	NT	0.000129 U	0.000165 U	0.000095 U	0.000145 U	0.000139 U	0.000127 U
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	0.00016 U	NT	0.000162 U	0.000207 U	0.000119 U	0.000183 U	0.000174 U	0.00016 U
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	0.000228 U	NT	0.00023 U	0.000295 U	0.000169 U	0.00026 U	0.000248 U	0.000227 U
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	0.000318 U	NT	0.000321 U	0.00041 U	0.000235 U	0.000362 U	0.000346 U	0.000317 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Critical PCL ⁴ (mg/kg)	AOC64-C1 3.0-3.5 03/27/2007 Normal (mg/kg)	AOC64-C1 3.0-3.5 03/27/2007 Duplicate (mg/kg)	AOC64-F1 6.0 12/08/2008 Normal (mg/kg)	AOC64-F1 7.5-8.0 12/17/2008 Normal (mg/kg)	AOC64-F1 11.5-12.0 06/23/2009 Normal (mg/kg)	AOC64-F1 9.0-9.5 02/09/2011 Normal (mg/kg)	AOC64-F2 2.5-3.5 12/17/2008 Normal (mg/kg)	AOC64-F3 5.5-6.0 12/17/2008 Normal (mg/kg)
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	0.0562 R	0.0546 U	0.0448 U	NT	NT	NT	0.0448 U	0.0439 U
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	0.0326 R	0.0317 U	0.026 U	NT	NT	NT	0.026 U	0.0255 U
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	0.0965 R	0.0937 U	0.0769 U	NT	NT	NT	0.0769 U	0.0754 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	0.0603 R	0.0586 U	0.0481 U	NT	NT	NT	0.0481 U	0.0471 U
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	0.11 R	0.107 U	0.0879 U	NT	NT	NT	0.0879 U	0.0862 U
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	0.0329 R	0.0319 U	0.0262 U	NT	NT	NT	0.0262 U	0.0257 U
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	0.11 R	0.107 U	0.0876 U	NT	NT	NT	0.0876 U	0.0859 U
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	0.0666 R	0.0647 U	0.0531 U	NT	NT	NT	0.0532 U	0.0521 U
HMX	N/A	2.0E+02	1.2E+00	---	1.172	0.0477 R	0.0463 U	0.038 U	NT	NT	NT	0.0381 U	0.0373 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	0.0326 R	0.0317 U	0.026 U	NT	NT	NT	0.026 U	0.0255 U
RDX	N/A	2.5E+01	1.8E-02	---	0.018	0.0506 R	0.0492 U	0.0403 U	NT	NT	NT	0.0404 U	0.0396 U
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	0.148 R	0.144 R	0.118 U	NT	NT	NT	0.118 U	0.116 U
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	1.79 B	1.29 B	6.19 B	2.65 U	NT	NT	2.66 U	2.63 U
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	167 J	12.1 J	489 M	58	82.7	NT	42.4	142
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.086 U	0.084 U	0.058 U	0.11 U	NT	NT	0.12 U	0.11 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	2.65 B	1.14 B	9.81	4.38 M	NT	NT	1.83 M	3.26 M
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	2.29 B	1.53 B	22.3	2.27 B	NT	NT	0.95 B	3.16 B
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	1.4 B	0.62 U	18.4	4.06 M	NT	NT	1.45 M	4.4 M
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	0.11 J	0.039 J	0.0068 B	0.0059 M	NT	NT	0.024 M	0.012 M
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	2.38 B	0.76 B	8.92	3.08 J	NT	NT	1.88 J	4.1 J
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	15.2 B	2.5 B	653 M	5.39 B	NT	NT	1.51 U	62.8 M
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	0.00951 U	0.00924 U	NT	NT	NT	NT	NT	NT
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	0.0387 U	0.0375 U	0.176 U	NT	NT	NT	0.176 U	0.173 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.0656 U	0.0635 U	0.176 U	NT	NT	NT	0.176 U	0.173 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.0684 U	0.0662 U	0.176 U	NT	NT	NT	0.176 U	0.173 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.0621 U	0.0602 U	0.176 U	NT	NT	NT	0.176 U	0.173 U
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	0.00616 U	0.00596 U	0.00648 U	NT	NT	NT	0.00647 U	0.00636 U
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	0.00991 U	0.00959 U	0.00606 U	NT	NT	NT	0.00605 U	0.00595 U
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	0.00757 U	0.00732 U	0.00851 U	NT	NT	NT	0.00849 U	0.00835 U
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	0.0329 U	0.0318 U	0.0101 U	NT	NT	NT	0.01 U	0.00988 U
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	0.0721 U	0.0698 U	0.0843 U	NT	NT	NT	0.0841 U	0.0827 U
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	0.0252 R	0.0244 R	0.119 U	NT	NT	NT	0.119 U	0.117 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	0.0356 U	0.0345 U	0.0388 U	NT	NT	NT	0.0387 U	0.038 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-C1 3.0-3.5 03/27/2007 Normal	AOC64-C1 3.0-3.5 03/27/2007 Duplicate	AOC64-F1 6.0 12/08/2008 Normal	AOC64-F1 7.5-8.0 12/17/2008 Normal	AOC64-F1 11.5-12.0 06/23/2009 Normal	AOC64-F1 9.0-9.5 02/09/2011 Normal	AOC64-F2 2.5-3.5 12/17/2008 Normal	AOC64-F3 5.5-6.0 12/17/2008 Normal
		Tier 1 PCL ³ 30-Acre Source Tot Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source GW Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source GW Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	0.00755 U	0.00731 U	0.0374 U	NT	NT	NT	0.0373 U	0.0367 U
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	0.0321 U	0.031 U	0.00864 U	NT	NT	NT	0.00862 U	0.00847 U
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	0.0329 U	0.0318 U	0.0146 U	NT	NT	NT	0.0145 U	0.0143 U
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	0.00943 U	0.00913 U	0.0118 U	NT	NT	NT	0.0118 U	0.0116 U
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	0.0223 U	0.0215 U	0.0149 U	NT	NT	NT	0.0149 U	0.0146 U
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	0.01 U	0.00968 U	0.00848 U	NT	NT	NT	0.00846 U	0.00832 U
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	0.0127 U	0.0123 U	0.0114 U	NT	NT	NT	0.0114 U	0.0112 U
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	0.0128 U	0.0124 U	0.0116 U	NT	NT	NT	0.0116 U	0.0114 U
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	0.0742 U	0.0718 U	0.111 U	NT	NT	NT	0.111 U	0.109 U
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	0.00873 U	0.00845 U	0.0417 U	NT	NT	NT	0.0416 U	0.0409 U
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	0.0166 U	0.016 U	0.11 U	NT	NT	NT	0.11 U	0.108 U
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	0.0163 U	0.0158 U	0.0121 U	NT	NT	NT	0.0121 U	0.0119 U
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	0.0131 U	0.0127 U	0.00905 U	NT	NT	NT	0.00903 U	0.00888 U
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	0.0541 U	0.0523 U	0.0076 U	NT	NT	NT	0.00758 U	0.00746 U
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	0.0511 U	0.0495 U	0.00577 U	NT	NT	NT	0.00575 U	0.00566 U
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	0.0109 U	0.0106 U	0.0394 U	NT	NT	NT	0.0393 U	0.0386 U
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	0.00943 U	0.00913 U	0.011 U	NT	NT	NT	0.011 U	0.0108 U
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	0.00954 U	0.00923 U	0.0102 U	NT	NT	NT	0.0102 U	0.01 U
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	0.00657 U	0.00636 U	0.00448 U	NT	NT	NT	0.00447 U	0.00439 U
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	0.00774 U	0.00749 U	0.00516 U	NT	NT	NT	0.00515 U	0.00507 U
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	0.0104 U	0.0101 U	0.0248 U	NT	NT	NT	0.0248 U	0.0243 U
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	0.00836 U	0.00809 U	0.0237 U	NT	NT	NT	0.0236 U	0.0232 U
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	0.0354 U	0.0342 U	0.0312 U	NT	NT	NT	0.0311 U	0.0306 U
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	0.204 R	0.198 R	0.0227 U	NT	NT	NT	0.0226 U	0.0223 U
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	0.00959 U	0.00929 U	0.00991 U	NT	NT	NT	0.00988 U	0.00972 U
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	0.0068 U	0.00658 U	0.00981 U	NT	NT	NT	0.00978 U	0.00962 U
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	0.0476 U	0.046 U	0.152 U	NT	NT	NT	0.152 R	0.149 R
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	0.0431 U	0.0417 U	0.0778 U	NT	NT	NT	0.0776 R	0.0764 R
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	0.0208 U	0.0201 U	0.0243 U	NT	NT	NT	0.0242 U	0.19 J
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	0.0101 U	0.00975 U	0.0144 U	NT	NT	NT	0.0143 U	0.0141 U
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	0.0139 U	0.0135 U	0.00894 U	NT	NT	NT	0.00891 U	0.00876 U
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	0.0408 U	0.0395 U	0.0198 U	NT	NT	NT	0.0197 U	0.0194 U
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	0.00562 U	0.00544 U	0.00958 U	NT	NT	NT	0.00955 U	0.0094 U
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	0.00718 U	0.00695 U	0.129 U	NT	NT	NT	0.128 U	0.126 U
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	0.026 U	0.0251 U	0.0092 U	NT	NT	NT	0.00917 U	0.00902 U
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	0.0088 U	0.00852 U	0.0138 U	NT	NT	NT	0.0138 U	0.0136 U
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	0.00917 U	0.00888 U	0.025 U	NT	NT	NT	0.025 U	0.0246 U
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	0.0116 U	0.0113 U	0.00605 U	NT	NT	NT	0.00604 U	0.00594 U
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	0.00735 U	0.00712 U	0.00937 U	NT	NT	NT	0.00934 U	0.00919 U
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	0.0127 U	0.0123 U	0.0111 U	NT	NT	NT	0.0111 U	0.0109 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-C1 3.0-3.5 03/27/2007 Normal	AOC64-C1 3.0-3.5 03/27/2007 Duplicate	AOC64-F1 6.0 12/08/2008 Normal	AOC64-F1 7.5-8.0 12/17/2008 Normal	AOC64-F1 11.5-12.0 06/23/2009 Normal	AOC64-F1 9.0-9.5 02/09/2011 Normal	AOC64-F2 2.5-3.5 12/17/2008 Normal	AOC64-F3 5.5-6.0 12/17/2008 Normal
		Tier 1 PCL ³ 30-Acre Source Tot _{Soil_{Comb}}	Tier 1 PCL ³ 30-Acre Source GW _{Soil_{Ing}}	Tier 2 PCL ³ 30-Acre Source GW _{Soil_{Ing}}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.0427 U	0.0413 U	0.072 U	NT	NT	NT	0.0718 U	0.0707 U
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	0.0323 U	0.0313 U	0.0598 U	NT	NT	NT	0.0596 U	0.0586 U
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	0.0583 U	0.0564 U	0.176 U	NT	NT	NT	0.176 U	0.173 U
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	0.0302 U	0.0292 U	0.0533 U	NT	NT	NT	0.0532 U	0.0523 U
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	0.0061 U	0.0059 U	0.0102 U	NT	NT	NT	0.0102 U	0.01 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.035 U	0.0339 U	0.0873 U	NT	NT	NT	0.0871 U	0.0857 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	0.0451 U	0.0436 U	0.0764 U	NT	NT	NT	0.0762 U	0.0749 U
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	0.00991 U	0.00959 U	0.0142 U	NT	NT	NT	0.0141 U	0.0139 U
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	0.0144 U	0.014 U	0.00778 U	NT	NT	NT	0.00776 U	0.00764 U
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	0.0388 U	0.0376 U	0.0213 U	NT	NT	NT	0.0213 U	0.0209 U
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	0.00684 U	0.00662 U	0.00824 U	NT	NT	NT	0.00822 U	0.00808 U
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	0.00906 U	0.00877 U	0.00951 U	NT	NT	NT	0.00948 U	0.00932 U
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	0.0204 U	0.0198 U	0.0101 U	NT	NT	NT	0.0101 U	0.00991 U
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	0.000174 U	0.000176 U	0.000133 U	NT	NT	NT	0.000222 U	0.000224 U
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	0.000121 U	0.000123 U	0.000076 U	NT	NT	NT	0.000127 U	0.000128 U
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	0.000178 U	0.00018 U	0.000149 U	NT	NT	NT	0.000248 U	0.000251 U
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	0.000113 U	0.000114 U	0.000192 U	NT	NT	NT	0.000321 U	0.000324 U
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	0.000157 U	0.000159 U	0.000104 U	NT	NT	NT	0.000173 U	0.000175 U
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	0.000354 U	0.000358 U	0.000133 U	NT	NT	NT	0.000222 U	0.000225 U
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	0.000128 U	0.00013 U	0.000154 U	NT	NT	NT	0.000257 U	0.00026 U
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	0.000234 U	0.000236 U	0.00054 U	NT	NT	NT	0.000901 U	0.000911 U
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	0.000242 U	0.000244 U	0.000154 U	NT	NT	NT	0.000257 U	0.00026 U
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	0.000323 U	0.000326 U	0.000407 U	NT	NT	NT	0.000679 U	0.000687 U
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	0.000195 U	0.000198 U	0.000094 U	NT	NT	NT	0.000156 U	0.000158 U
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	0.000855 U	0.000864 U	0.000529 U	NT	NT	NT	0.000883 U	0.000894 U
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	0.000148 U	0.00015 U	0.000154 U	NT	NT	NT	0.000257 U	0.00026 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.000113 U	0.000114 U	0.000159 U	NT	NT	NT	0.000266 U	0.000269 U
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	0.000113 U	0.000114 U	0.000149 U	NT	NT	NT	0.000249 U	0.000252 U
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	0.000111 U	0.000112 U	0.00017 U	NT	NT	NT	0.000284 U	0.000287 U
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	0.000161 U	0.000163 U	0.000125 U	NT	NT	NT	0.000209 U	0.000211 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.000233 R	0.000235 R	0.000152 U	NT	NT	NT	0.000253 U	0.000256 U
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	0.000134 U	0.000136 U	0.000099 U	NT	NT	NT	0.000165 U	0.000167 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.000416 U	0.00042 U	0.000217 U	NT	NT	NT	0.000363 U	0.000367 U
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	0.000119 U	0.000121 U	0.000168 U	NT	NT	NT	0.00028 U	0.000283 U
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	0.000174 U	0.000176 U	0.000194 U	NT	NT	NT	0.000324 U	0.000327 U
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	0.000148 U	0.00015 U	0.000114 U	NT	NT	NT	0.00019 U	0.000192 U
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	0.000321 U	0.000324 U	0.000165 U	NT	NT	NT	0.000275 U	0.000278 U
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	0.00148 J	0.00181 J	0.00151	NT	NT	0.000112 U	0.000221 U	0.000223 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-C1 3.0-3.5 03/27/2007 Normal	AOC64-C1 3.0-3.5 03/27/2007 Duplicate	AOC64-F1 6.0 12/08/2008 Normal	AOC64-F1 7.5-8.0 12/17/2008 Normal	AOC64-F1 11.5-12.0 06/23/2009 Normal	AOC64-F1 9.0-9.5 02/09/2011 Normal	AOC64-F2 2.5-3.5 12/17/2008 Normal	AOC64-F3 5.5-6.0 12/17/2008 Normal
		Tier 1 PCL ³ 30-Acre Source Tot _{SoilComb}	Tier 1 PCL ³ 30-Acre Source GW _{SoilInq}	Tier 2 PCL ³ 30-Acre Source GW _{SoilInq}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	0.000232 U	0.000234 U	0.000171 U	NT	NT	NT	0.000286 U	0.000289 U
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	0.000255 U	0.000257 U	0.000185 U	NT	NT	NT	0.000309 U	0.000312 U
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	0.000133 U	0.000135 U	0.000138 U	NT	NT	NT	0.000231 U	0.000233 U
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	0.000167 U	0.000169 U	0.000145 U	NT	NT	NT	0.000242 U	0.000245 U
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	0.000118 U	0.00012 U	0.000073 U	NT	NT	NT	0.000122 U	0.000124 U
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	0.000163 U	0.000165 U	0.000139 U	NT	NT	NT	0.000233 U	0.000235 U
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	0.000598 U	0.000605 U	0.000498 U	NT	NT	NT	0.000831 U	0.00084 U
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	0.000139 U	0.000141 U	0.000086 U	NT	NT	NT	0.000144 U	0.000145 U
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	0.000124 U	0.000126 U	0.000131 U	NT	NT	NT	0.000219 U	0.000221 U
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	0.000114 U	0.000115 U	0.000097 U	NT	NT	NT	0.000162 U	0.000164 U
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	0.000089 U	0.00009 U	0.000021 U	NT	NT	NT	0.000351 U	0.000355 U
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	0.000154 U	0.000156 U	0.000232 U	NT	NT	NT	0.000387 U	0.000391 U
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	0.000359 U	0.000363 U	0.000122 U	NT	NT	NT	0.000204 U	0.000206 U
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	0.00256 J	0.00169 J	0.000791 J	NT	NT	NT	0.000354 U	0.000358 U
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.00123 U	0.00124 U	0.0004 U	NT	NT	NT	0.000667 U	0.000675 U
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	0.000151 U	0.000153 U	0.000161 U	NT	NT	NT	0.000269 U	0.000272 U
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	0.000393 U	0.000397 U	0.000674 J	NT	NT	NT	0.00106 U	0.00107 U
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	0.00149 U	0.0015 U	0.00089 U	NT	NT	NT	0.00149 U	0.0015 U
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	0.000458 U	0.000463 U	0.000232 U	NT	NT	NT	0.000387 U	0.000392 U
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	0.000473 U	0.000478 U	0.000121 U	NT	NT	NT	0.000201 U	0.000204 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.000371 U	0.000375 U	0.000559 U	NT	NT	NT	0.000933 U	0.000944 U
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	0.000176 U	0.000178 U	0.000228 U	NT	NT	NT	0.000381 U	0.000385 U
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	0.000138 U	0.00014 U	0.000127 U	NT	NT	NT	0.000211 U	0.000214 U
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	0.000172 U	0.000174 U	0.000388 J	NT	NT	NT	0.000258 U	0.000261 U
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	0.000159 U	0.000161 U	0.000098 U	NT	NT	NT	0.000164 U	0.000166 U
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	0.000116 U	0.000117 U	0.000141 U	NT	NT	NT	0.000236 U	0.000238 U
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	0.00015 U	0.000152 U	0.00015 U	NT	NT	NT	0.00025 U	0.000253 U
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	0.000249 U	0.000251 U	0.000173 U	NT	NT	NT	0.000289 U	0.000293 U
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	0.00019 U	0.000192 U	0.00009 U	NT	NT	NT	0.00015 U	0.000151 U
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	0.00295 J	0.00275 J	0.00192 J	NT	NT	NT	0.000316 U	0.00032 U
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	0.000162 U	0.000164 U	0.000116 U	NT	NT	NT	0.000194 U	0.000196 U
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	0.000139 U	0.000141 U	0.000106 U	NT	NT	NT	0.000177 U	0.000179 U
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	0.000175 U	0.000177 U	0.000188 U	NT	NT	NT	0.000313 U	0.000317 U
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	0.000249 U	0.000251 U	0.000229 U	NT	NT	NT	0.000382 U	0.000386 U
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	0.000347 U	0.00035 U	0.000101 U	NT	NT	NT	0.000168 U	0.00017 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Camb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Critical PCL ⁴ (mg/kg)	AOC64-F4 1.5-2.5 12/17/2008 Normal (mg/kg)	AOC64-F4 2.5-3.5 12/17/2008 Normal (mg/kg)	AOC64-F4 6.0-6.5 12/18/2008 Normal (mg/kg)	AOC64-F4 6.5-7.0 01/07/2009 Normal (mg/kg)	AOC64-F4 11.5-12.0 06/23/2009 Normal (mg/kg)	AOC64-F5 7.0 01/07/2009 Normal (mg/kg)	AOC64-F5 8.0-8.5 01/14/2009 Normal (mg/kg)	AOC64-F5 11.5-12.0 06/23/2009 Normal (mg/kg)
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	0.0452 U	NT	NT	NT	NT	0.0439 U	NT	NT
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	0.0262 U	NT	NT	NT	NT	0.0255 U	NT	NT
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	0.0776 U	NT	NT	NT	NT	0.0753 U	NT	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	0.0485 U	NT	NT	NT	NT	0.0471 U	NT	NT
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	0.0887 U	NT	NT	NT	NT	0.0861 U	NT	NT
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	0.0264 U	NT	NT	NT	NT	0.0257 U	NT	NT
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	0.0884 U	NT	NT	NT	NT	0.0858 U	NT	NT
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	0.0536 U	NT	NT	NT	NT	0.0521 U	NT	NT
HMX	N/A	2.0E+02	1.2E+00	---	1.172	0.0384 U	NT	NT	NT	NT	0.0373 U	NT	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	0.0262 U	NT	NT	NT	NT	0.0255 U	NT	NT
RDX	N/A	2.5E+01	1.8E-02	---	0.018	0.0407 U	NT	NT	NT	NT	0.0395 U	NT	NT
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	0.119 U	NT	NT	NT	NT	0.116 U	NT	NT
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	2.71 U	2.84 U	1.35 M	NT	NT	1.31 M	NT	NT
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	790	102	41.8 J	16.7	4.62	30.2	NT	142
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.12 U	0.12 U	0.059 U	NT	NT	0.057 U	NT	NT
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	11.1 M	5.36 M	4.99	NT	NT	2.25	NT	NT
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	5.25	2.03 B	0.4 J	NT	NT	158 J	NT	6.93
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	7.35 M	1.99 M	3.7 J	NT	NT	6.87	NT	4.46
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	0.033 M	0.016 M	0.012 M	NT	NT	0.92 M	0.019	NT
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	10.2 J	3.97 J	1.39 B	NT	NT	0.98 B	NT	NT
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	24.9 M	3.79 B	0.77 M	NT	NT	24.2 M	NT	32.3
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	NT	NT	NT	NT	NT	NT	NT	NT
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	0.177 U	NT	NT	NT	NT	0.173 U	NT	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.177 U	NT	NT	NT	NT	0.173 U	NT	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.177 U	NT	NT	NT	NT	0.173 U	NT	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.177 U	NT	NT	NT	NT	0.173 U	NT	NT
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	0.00652 U	NT	NT	NT	NT	0.00635 U	NT	NT
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	0.0061 U	NT	NT	NT	NT	0.00594 U	NT	NT
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	0.00856 U	NT	NT	NT	NT	0.00834 U	NT	NT
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	0.0101 U	NT	NT	NT	NT	0.00987 U	NT	NT
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	0.0848 U	NT	NT	NT	NT	0.0826 U	NT	NT
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	0.12 U	NT	NT	NT	NT	0.117 R	NT	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	0.039 U	NT	NT	NT	NT	0.038 U	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-F4 1.5-2.5 12/17/2008 Normal	AOC64-F4 2.5-3.5 12/17/2008 Normal	AOC64-F4 6.0-6.5 12/18/2008 Normal	AOC64-F4 6.5-7.0 01/07/2009 Normal	AOC64-F4 11.5-12.0 06/23/2009 Normal	AOC64-F5 7.0 01/07/2009 Normal	AOC64-F5 8.0-8.5 01/14/2009 Normal	AOC64-F5 11.5-12.0 06/23/2009 Normal
		Tier 1 PCL ³ 30-Acre Source Tot Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source GW Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source GW Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	0.0376 U	NT	NT	NT	NT	0.0366 U	NT	NT
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	0.00869 U	NT	NT	NT	NT	0.00847 U	NT	NT
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	0.0147 U	NT	NT	NT	NT	0.0143 U	NT	NT
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	0.0119 R	NT	NT	NT	NT	0.0116 U	NT	NT
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	0.015 U	NT	NT	NT	NT	0.0146 U	NT	NT
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	0.00853 U	NT	NT	NT	NT	0.00831 U	NT	NT
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	0.0115 U	NT	NT	NT	NT	0.0112 U	NT	NT
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	0.0117 U	NT	NT	NT	NT	0.0114 U	NT	NT
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	0.112 U	NT	NT	NT	NT	0.109 U	NT	NT
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	0.042 U	NT	NT	NT	NT	0.0409 U	NT	NT
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	0.111 U	NT	NT	NT	NT	0.108 U	NT	NT
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	0.0122 U	NT	NT	NT	NT	0.0119 U	NT	NT
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	0.00911 U	NT	NT	NT	NT	0.00887 U	NT	NT
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	0.00765 U	NT	NT	NT	NT	0.00745 U	NT	NT
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	0.0058 U	NT	NT	NT	NT	0.00565 R	NT	NT
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	0.0396 U	NT	NT	NT	NT	0.0386 R	NT	NT
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	0.0111 U	NT	NT	NT	NT	0.0108 U	NT	NT
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	0.0103 U	NT	NT	NT	NT	0.01 U	NT	NT
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	0.00451 U	NT	NT	NT	NT	0.00439 U	NT	NT
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	0.0052 U	NT	NT	NT	NT	0.00506 U	NT	NT
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	0.025 U	NT	NT	NT	NT	0.0243 U	NT	NT
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	0.0238 R	NT	NT	NT	NT	0.0232 U	NT	NT
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	0.0313 U	NT	NT	NT	NT	0.0305 U	NT	NT
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	0.0228 U	NT	NT	NT	NT	0.0223 U	NT	NT
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	0.00997 U	NT	NT	NT	NT	0.00971 U	NT	NT
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	0.00987 U	NT	NT	NT	NT	0.00961 U	NT	NT
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	0.153 U	NT	NT	NT	NT	0.149 U	NT	NT
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	0.0783 U	NT	NT	NT	NT	0.0763 U	NT	NT
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	0.0244 U	NT	NT	NT	NT	0.0238 U	NT	NT
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	0.0145 U	NT	NT	NT	NT	0.0141 U	NT	NT
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	0.00899 U	NT	NT	NT	NT	0.00876 U	NT	NT
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	0.0199 R	NT	NT	NT	NT	0.0194 U	NT	NT
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	0.00964 U	NT	NT	NT	NT	0.00939 U	NT	NT
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	0.13 U	NT	NT	NT	NT	0.126 U	NT	NT
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	0.00925 U	NT	NT	NT	NT	0.00901 U	NT	NT
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	0.0139 U	NT	NT	NT	NT	0.0136 U	NT	NT
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	0.0252 U	NT	NT	NT	NT	0.0245 U	NT	NT
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	0.00609 U	NT	NT	NT	NT	0.00593 U	NT	NT
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	0.00942 U	NT	NT	NT	NT	0.00918 U	NT	NT
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	0.0112 U	NT	NT	NT	NT	0.0109 U	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Critical PCL ⁴ (mg/kg)	AOC64-F4 1.5-2.5 12/17/2008 Normal (mg/kg)	AOC64-F4 2.5-3.5 12/17/2008 Normal (mg/kg)	AOC64-F4 6.0-6.5 12/18/2008 Normal (mg/kg)	AOC64-F4 6.5-7.0 01/07/2009 Normal (mg/kg)	AOC64-F4 11.5-12.0 06/23/2009 Normal (mg/kg)	AOC64-F5 7.0 01/07/2009 Normal (mg/kg)	AOC64-F5 8.0-8.5 01/14/2009 Normal (mg/kg)	AOC64-F5 11.5-12.0 06/23/2009 Normal (mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.0725 U	NT	NT	NT	NT	0.0706 U	NT	NT
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	0.0601 U	NT	NT	NT	NT	0.0586 U	NT	NT
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	0.177 U	NT	NT	NT	NT	0.173 U	NT	NT
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	0.0537 U	NT	NT	NT	NT	0.0523 U	NT	NT
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	0.0103 U	NT	NT	NT	NT	0.01 U	NT	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.0879 U	NT	NT	NT	NT	0.0856 U	NT	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	0.0768 U	NT	NT	NT	NT	0.0748 U	NT	NT
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	0.0142 U	NT	NT	NT	NT	0.0139 U	NT	NT
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	0.00783 U	NT	NT	NT	NT	0.00763 U	NT	NT
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	0.0215 U	NT	NT	NT	NT	0.0209 U	NT	NT
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	0.00829 U	NT	NT	NT	NT	0.00807 U	NT	NT
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	0.00956 U	NT	NT	NT	NT	0.00931 U	NT	NT
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	0.0102 U	NT	NT	NT	NT	0.0099 U	NT	NT
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	0.000229 U	NT	NT	NT	NT	0.000225 U	NT	NT
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	0.000131 U	NT	NT	NT	NT	0.000129 U	NT	NT
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	0.000256 U	NT	NT	NT	NT	0.000252 U	NT	NT
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	0.000331 U	NT	NT	NT	NT	0.000325 U	NT	NT
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	0.000178 U	NT	NT	NT	NT	0.000175 U	NT	NT
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	0.000229 U	NT	NT	NT	NT	0.000225 U	NT	NT
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	0.000265 U	NT	NT	NT	NT	0.00026 U	NT	NT
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	0.000928 U	NT	NT	NT	NT	0.000914 U	NT	NT
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	0.000265 U	NT	NT	NT	NT	0.000261 U	NT	NT
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	0.0007 U	NT	NT	NT	NT	0.000689 U	NT	NT
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	0.000161 U	NT	NT	NT	NT	0.000158 U	NT	NT
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	0.00091 U	NT	NT	NT	NT	0.000896 U	NT	NT
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	0.000265 U	NT	NT	NT	NT	0.000261 U	NT	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.000274 U	NT	NT	NT	NT	0.00027 U	NT	NT
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	0.000256 U	NT	NT	NT	NT	0.000252 U	NT	NT
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	0.000292 U	NT	NT	NT	NT	0.000288 U	NT	NT
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	0.000215 U	NT	NT	NT	NT	0.000212 U	NT	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.000261 U	NT	NT	NT	NT	0.000257 U	NT	NT
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	0.00017 U	NT	NT	NT	NT	0.000168 U	NT	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.000374 U	NT	NT	NT	NT	0.000368 U	NT	NT
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	0.000288 U	NT	NT	NT	NT	0.000284 U	NT	NT
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	0.000333 U	NT	NT	NT	NT	0.000328 U	NT	NT
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	0.000196 U	NT	NT	NT	NT	0.000193 U	NT	NT
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	0.000283 U	NT	NT	NT	NT	0.000279 U	NT	NT
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	0.000227 U	NT	NT	NT	NT	0.000224 U	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Critical PCL ⁴ (mg/kg)	AOC64-F4 1.5-2.5 12/17/2008 Normal (mg/kg)	AOC64-F4 2.5-3.5 12/17/2008 Normal (mg/kg)	AOC64-F4 6.0-6.5 12/18/2008 Normal (mg/kg)	AOC64-F4 6.5-7.0 01/07/2009 Normal (mg/kg)	AOC64-F4 11.5-12.0 06/23/2009 Normal (mg/kg)	AOC64-F5 7.0 01/07/2009 Normal (mg/kg)	AOC64-F5 8.0-8.5 01/14/2009 Normal (mg/kg)	AOC64-F5 11.5-12.0 06/23/2009 Normal (mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	0.000295 U	NT	NT	NT	NT	0.00029 U	NT	NT
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	0.000318 U	NT	NT	NT	NT	0.000313 U	NT	NT
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	0.000238 U	NT	NT	NT	NT	0.000234 U	NT	NT
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	0.00249 U	NT	NT	NT	NT	0.00246 U	NT	NT
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	0.000126 U	NT	NT	NT	NT	0.000124 U	NT	NT
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	0.00024 U	NT	NT	NT	NT	0.000236 U	NT	NT
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	0.000856 U	NT	NT	NT	NT	0.000843 U	NT	NT
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	0.000148 U	NT	NT	NT	NT	0.000146 U	NT	NT
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	0.000225 U	NT	NT	NT	NT	0.000222 U	NT	NT
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	0.000167 U	NT	NT	NT	NT	0.000164 U	NT	NT
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	0.000361 U	NT	NT	NT	NT	0.000356 U	NT	NT
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	0.000398 U	NT	NT	NT	NT	0.000392 U	NT	NT
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	0.00021 U	NT	NT	NT	NT	0.000207 U	NT	NT
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	0.000365 U	NT	NT	NT	NT	0.000359 U	NT	NT
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.000688 U	NT	NT	NT	NT	0.000677 U	NT	NT
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	0.000277 U	NT	NT	NT	NT	0.000273 U	NT	NT
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	0.00109 U	NT	NT	NT	NT	0.00108 U	NT	NT
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	0.00153 U	NT	NT	NT	NT	0.00151 U	NT	NT
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	0.000399 U	NT	NT	NT	NT	0.000393 U	NT	NT
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	0.000208 U	NT	NT	NT	NT	0.000204 U	NT	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.000961 U	NT	NT	NT	NT	0.000946 U	NT	NT
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	0.000392 U	NT	NT	NT	NT	0.000386 U	NT	NT
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	0.000218 U	NT	NT	NT	NT	0.000214 U	NT	NT
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	0.000266 U	NT	NT	NT	NT	0.000262 U	NT	NT
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	0.000169 U	NT	NT	NT	NT	0.000167 U	NT	NT
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	0.000243 U	NT	NT	NT	NT	0.000239 U	NT	NT
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	0.000258 U	NT	NT	NT	NT	0.000254 U	NT	NT
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	0.000298 U	NT	NT	NT	NT	0.000293 U	NT	NT
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	0.000154 U	NT	NT	NT	NT	0.000152 U	NT	NT
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	0.000326 U	NT	NT	NT	NT	0.000321 U	NT	NT
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	0.0002 U	NT	NT	NT	NT	0.000196 U	NT	NT
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	0.000182 U	NT	NT	NT	NT	0.000179 U	NT	NT
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	0.000323 U	NT	NT	NT	NT	0.000318 U	NT	NT
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	0.000394 U	NT	NT	NT	NT	0.000388 U	NT	NT
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	0.000174 U	NT	NT	NT	NT	0.000171 U	NT	NT

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-F6 3.0 02/03/2009 Normal (mg/kg)	AOC64-F7 3.0 02/03/2009 Normal (mg/kg)	AOC64-P1 0.0-0.5 03/31/2007 Normal (mg/kg)	AOC64-P2 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P3 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P3 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P3 1.5-2.0 06/23/2009 Normal (mg/kg)	AOC64-P4 0.0-0.5 03/31/2007 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}		AOC64-F6 3.0 02/03/2009 Normal (mg/kg)	AOC64-F7 3.0 02/03/2009 Normal (mg/kg)	AOC64-P1 0.0-0.5 03/31/2007 Normal (mg/kg)	AOC64-P2 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P3 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P3 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P3 1.5-2.0 06/23/2009 Normal (mg/kg)	AOC64-P4 0.0-0.5 03/31/2007 Normal (mg/kg)
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	NT	NT	0.0496 U	0.0472 U	0.0508 U	NT	NT	0.0503 U
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	NT	NT	0.0288 U	0.0274 U	0.0295 U	NT	NT	0.0292 U
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	NT	NT	0.0852 U	0.0811 U	0.0872 U	NT	NT	0.0864 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-02	---	0.003	NT	NT	0.0532 U	0.0507 U	0.0545 U	NT	NT	0.054 U
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	NT	NT	0.0973 U	0.0927 U	0.0997 U	NT	NT	0.0988 U
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	NT	NT	0.029 U	0.0276 U	0.0297 U	NT	NT	0.0294 U
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	NT	NT	0.097 U	0.0923 U	0.0993 U	NT	NT	0.0984 U
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	NT	NT	0.0589 U	0.056 U	0.0602 U	NT	NT	0.0597 U
HMX	N/A	2.0E+02	1.2E+00	---	1.172	NT	NT	0.0421 U	0.0401 U	0.0431 U	NT	NT	0.0428 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	NT	NT	0.0288 U	0.0274 U	0.0295 U	NT	NT	0.0292 U
RDX	N/A	2.5E+01	1.8E-02	---	0.018	NT	NT	0.0447 U	0.0425 U	0.0458 U	NT	NT	0.0454 U
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	NT	NT	0.131 U	0.125 U	0.134 R	NT	NT	0.133 R
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	NT	NT	1 U	1.04 U	1.02 U	0.81 U	NT	3.62 B
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	53.6	16.8	190 M	62.8 M	3650	3490	60.3	84.9 M
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	NT	NT	0.29 B	0.083 U	0.082 U	0.59 J	NT	0.032 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	NT	NT	4.1	3.78	5.22	4.61 J	NT	12.2
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	NT	NT	6.2	2.34 B	16	25 J	NT	6.91
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	NT	NT	18.1	2.93 B	84	32.8 J	NT	15.7
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	NT	NT	0.18	0.0046 U	0.02 J	0.21 J	NT	0.11 J
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	NT	NT	3.97 B	3.26 B	5.83 B	6.13 B	NT	10.1
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	NT	NT	19.1 B	3.62 B	9.7 B	109 J	NT	18.1
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	NT	NT	0.00882 U	0.0092 U	0.00903 U	NT	NT	0.00895 U
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	NT	NT	0.0358 U	0.0374 U	0.0367 U	NT	NT	0.0359 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	0.0606 U	0.0634 U	0.0623 U	NT	NT	0.0609 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	0.0632 U	0.0661 U	0.0649 U	NT	NT	0.0635 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	0.0574 U	0.0601 U	0.059 U	NT	NT	0.0577 U
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	NT	NT	0.00569 U	0.00596 U	0.00585 U	NT	NT	0.00572 U
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	NT	NT	0.00916 U	0.00958 U	0.00941 U	NT	NT	0.0092 U
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	NT	NT	0.00699 U	0.00731 U	0.00718 U	NT	NT	0.00703 U
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	NT	NT	0.0304 U	0.0318 U	0.0312 U	NT	NT	0.0305 U
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	NT	NT	0.0666 U	0.0697 U	0.0684 U	NT	NT	0.0669 U
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	NT	NT	0.0233 U	0.0243 U	0.0239 U	NT	NT	0.0234 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	NT	NT	0.0329 U	0.0345 U	0.0338 U	NT	NT	0.0331 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-F6 3.0 02/03/2009 Normal (mg/kg)	AOC64-F7 3.0 02/03/2009 Normal (mg/kg)	AOC64-P1 0.0-0.5 03/31/2007 Normal (mg/kg)	AOC64-P2 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P3 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P3 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P3 1.5-2.0 06/23/2009 Normal (mg/kg)	AOC64-P4 0.0-0.5 03/31/2007 Normal (mg/kg)
		Tier 1 PCL ³	Tier 1 PCL ³	Tier 2 PCL ³		Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	NT	NT	0.00698 U	0.0073 U	0.00717 U	NT	NT	0.00701 U
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	NT	NT	0.0296 U	0.031 U	0.0304 U	NT	NT	0.0298 U
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	NT	NT	0.0304 U	0.0318 U	0.0312 U	NT	NT	0.0305 U
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	NT	NT	0.00872 U	0.00912 U	0.00895 U	NT	NT	0.00876 U
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	NT	NT	0.0206 U	0.0215 U	0.0211 U	NT	NT	0.0207 U
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	NT	NT	0.00924 U	0.00967 U	0.0095 U	NT	NT	0.00929 U
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	NT	NT	0.0117 U	0.0123 U	0.0121 U	NT	NT	0.0118 U
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	NT	NT	0.0118 U	0.0124 U	0.0121 U	NT	NT	0.0119 U
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	NT	NT	0.0686 U	0.0717 U	0.0704 U	NT	NT	0.0689 U
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	NT	NT	0.00807 U	0.00844 U	0.00829 U	NT	NT	0.00811 U
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	NT	NT	0.0153 U	0.016 U	0.0157 U	NT	NT	0.0154 U
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	NT	NT	0.0151 U	0.0158 U	0.0155 U	NT	NT	0.0151 U
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	NT	NT	0.0121 U	0.0127 U	0.0125 U	NT	NT	0.0122 U
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	NT	NT	0.05 U	0.0523 U	0.0513 U	NT	NT	0.0502 U
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	NT	NT	0.0473 U	0.0494 U	0.0485 U	NT	NT	0.0475 U
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	NT	NT	0.0101 U	0.0106 U	0.0104 U	NT	NT	0.0102 U
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	NT	NT	0.00872 U	0.00912 U	0.00895 U	NT	NT	0.00876 U
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	NT	NT	0.00882 U	0.00922 U	0.00905 U	NT	NT	0.00886 U
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	NT	NT	0.00607 U	0.00635 U	0.00624 U	NT	NT	0.0061 U
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	NT	NT	0.00715 U	0.00748 U	0.00734 U	NT	NT	0.00719 U
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	NT	NT	0.00961 U	0.0101 U	0.00987 U	NT	NT	0.00966 U
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	NT	NT	0.0273 J	0.00808 U	0.00794 U	NT	NT	0.00776 U
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	NT	NT	0.0327 U	0.0342 U	0.0336 U	NT	NT	0.0329 U
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	NT	NT	0.189 U	0.197 U	0.194 U	NT	NT	0.189 U
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	NT	NT	0.00887 U	0.00927 U	0.00911 U	NT	NT	0.00891 U
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	NT	NT	0.00628 U	0.00657 U	0.00645 U	NT	NT	0.00631 U
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	NT	NT	0.044 U	0.046 U	0.0451 U	NT	NT	0.0442 U
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	NT	NT	0.0398 U	0.0416 U	0.0409 U	NT	NT	0.04 U
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	NT	NT	0.0192 U	0.0205 J	0.0197 U	NT	NT	0.0193 U
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	NT	NT	0.00931 U	0.00973 U	0.00956 U	NT	NT	0.00935 U
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	NT	NT	0.0129 U	0.0134 U	0.0132 U	NT	NT	0.0129 U
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	NT	NT	0.0377 U	0.0394 U	0.0387 U	NT	NT	0.0379 U
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	NT	NT	0.00519 U	0.00543 U	0.00533 U	NT	NT	0.00522 U
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	NT	NT	0.00664 U	0.00694 U	0.0239 J	NT	NT	0.00824 J
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	NT	NT	0.024 U	0.0251 U	0.0246 U	NT	NT	0.0241 U
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	NT	NT	0.00813 U	0.0085 U	0.00835 U	NT	NT	0.00817 U
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	NT	NT	0.00847 U	0.00886 U	0.0087 U	NT	NT	0.00851 U
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	NT	NT	0.0108 U	0.0112 U	0.011 U	NT	NT	0.0108 U
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	NT	NT	0.0068 U	0.00711 U	0.00698 U	NT	NT	0.00683 U
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	NT	NT	0.0118 U	0.0123 U	0.0121 U	NT	NT	0.0118 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-F6 3.0 02/03/2009 Normal (mg/kg)	AOC64-F7 3.0 02/03/2009 Normal (mg/kg)	AOC64-P1 0.0-0.5 03/31/2007 Normal (mg/kg)	AOC64-P2 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P3 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P3 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P3 1.5-2.0 06/23/2009 Normal (mg/kg)	AOC64-P4 0.0-0.5 03/31/2007 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>GW Soil_{Inq}</small>	Tier 2 PCL ³ 30-Acre Source <small>GW Soil_{Inq}</small>									
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	0.0394 U	0.0412 U	0.0405 U	NT	NT	0.0396 U
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	NT	NT	0.0299 U	0.0313 U	0.0307 U	NT	NT	0.03 U
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	NT	NT	0.0539 U	0.0564 U	0.0553 U	NT	NT	0.0541 U
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	NT	NT	0.0279 U	0.0292 U	0.0287 U	NT	NT	0.0281 U
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	NT	NT	0.00563 U	0.00589 U	0.00579 U	NT	NT	0.00566 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	0.0323 U	0.0338 U	0.0332 U	NT	NT	0.0325 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	NT	NT	0.0416 U	0.0435 U	0.0428 U	NT	NT	0.0418 U
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	NT	NT	0.00916 U	0.00958 U	0.00941 U	NT	NT	0.0092 U
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	NT	NT	0.0133 U	0.014 U	0.0137 U	NT	NT	0.0134 U
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	NT	NT	0.0359 U	0.0375 U	0.0368 U	NT	NT	0.0361 U
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	NT	NT	0.00632 U	0.00661 U	0.00649 U	NT	NT	0.00635 U
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	NT	NT	0.00838 U	0.00876 U	0.0086 U	NT	NT	0.00842 U
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	NT	NT	0.0189 U	0.0197 U	0.0194 U	NT	NT	0.0189 U
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	NT	NT	0.000216 U	0.000203 M	0.000168 U	NT	NT	0.000219 U
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	NT	NT	0.000151 U	0.000142 M	0.000117 U	NT	NT	0.000153 U
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	NT	NT	0.000221 U	0.000208 M	0.000172 U	NT	NT	0.000224 U
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	NT	NT	0.00014 U	0.000132 M	0.000109 U	NT	NT	0.000142 U
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	NT	NT	0.000195 U	0.000184 M	0.000152 U	NT	NT	0.000198 U
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	NT	NT	0.000441 U	0.000415 M	0.000343 U	NT	NT	0.000448 U
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	NT	NT	0.00016 U	0.00015 M	0.000124 U	NT	NT	0.000162 U
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	NT	NT	0.000291 U	0.000274 M	0.000226 U	NT	NT	0.000295 U
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	NT	NT	0.000301 U	0.000283 M	0.000234 U	NT	NT	0.000305 U
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	NT	NT	0.000402 U	0.000378 M	0.000312 U	NT	NT	0.000408 U
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	NT	NT	0.000243 U	0.000229 M	0.000189 U	NT	NT	0.000247 U
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	NT	NT	0.00106 U	0.001 M	0.000826 U	NT	NT	0.00108 U
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	NT	NT	0.000184 U	0.000173 M	0.000143 U	NT	NT	0.000187 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	0.00014 U	0.000132 M	0.000109 U	NT	NT	0.000142 U
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	NT	NT	0.00014 U	0.000132 M	0.000109 U	NT	NT	0.000142 U
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	NT	NT	0.000138 U	0.000129 M	0.000107 U	NT	NT	0.00014 U
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	NT	NT	0.0002 U	0.000188 M	0.000156 U	NT	NT	0.000203 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	0.00029 U	0.000273 M	0.000225 U	NT	NT	0.000294 U
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	NT	NT	0.000167 U	0.000157 M	0.00013 U	NT	NT	0.00017 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	0.000517 U	0.000487 M	0.000402 U	NT	NT	0.000525 U
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	NT	NT	0.000149 U	0.00014 M	0.000115 U	NT	NT	0.000151 U
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	NT	NT	0.000216 R	0.000203 M	0.000168 U	NT	NT	0.000219 R
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	NT	NT	0.000184 U	0.000173 M	0.000143 U	NT	NT	0.000187 U
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	NT	NT	0.000399 U	0.000376 M	0.00031 U	NT	NT	0.000405 U
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	NT	NT	0.00817	0.00012 M	0.00582 J	NT	NT	0.0188

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-F6 3.0 02/03/2009 Normal	AOC64-F7 3.0 02/03/2009 Normal	AOC64-P1 0.0-0.5 03/31/2007 Normal	AOC64-P2 0.0-0.5 03/31/2007 Normal	(EXCAVATED) AOC64-P3 0.0-0.5 03/31/2007 Normal	(EXCAVATED) AOC64-P3 0.0-0.5 06/15/2007 Normal	AOC64-P3 1.5-2.0 06/23/2009 Normal	AOC64-P4 0.0-0.5 03/31/2007 Normal
		Tier 1 PCL ³ 30-Acre Source Tot Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source GW Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source GW Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	NT	NT	0.000289 U	0.000272 M	0.000224 U	NT	NT	0.000293 U
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	NT	NT	0.000317 R	0.000298 M	0.000246 U	NT	NT	0.000322 R
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	NT	NT	0.000166 U	0.000156 M	0.000129 U	NT	NT	0.000168 U
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	NT	NT	0.000208 U	0.000195 M	0.000161 U	NT	NT	0.000211 U
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	NT	NT	0.000147 U	0.000139 M	0.000115 U	NT	NT	0.00015 U
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	NT	NT	0.000203 U	0.000191 M	0.000157 U	NT	NT	0.000206 U
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	NT	NT	0.000745 R	0.0007 M	0.000578 U	NT	NT	0.000756 R
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	NT	NT	0.000173 U	0.000163 M	0.000135 U	NT	NT	0.000176 U
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	NT	NT	0.000155 U	0.000146 M	0.00012 U	NT	NT	0.000157 U
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	NT	NT	0.000141 U	0.000133 M	0.00011 U	NT	NT	0.000143 U
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	NT	NT	0.000111 U	0.000104 M	0.000086 U	NT	NT	0.000112 U
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	NT	NT	0.000192 U	0.00018 M	0.000149 U	NT	NT	0.000195 U
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	NT	NT	0.000447 U	0.000421 M	0.000347 R	NT	NT	0.000454 U
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	NT	NT	0.00259 J	0.000239 M	0.000198 U	NT	NT	0.000258 U
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	0.00153 U	0.00144 M	0.00119 U	NT	NT	0.00155 U
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	NT	NT	0.000188 U	0.000177 M	0.000146 U	NT	NT	0.000191 U
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	NT	NT	0.0027 J	0.00046 M	0.00038 U	NT	NT	0.000496 U
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	NT	NT	0.00185 U	0.00174 M	0.00144 R	NT	NT	0.00188 U
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	NT	NT	0.00057 U	0.000536 M	0.000443 R	NT	NT	0.000579 U
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	NT	NT	0.000588 U	0.000554 M	0.000457 U	NT	NT	0.000597 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	0.000462 U	0.000435 M	0.000359 U	NT	NT	0.000469 U
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	NT	NT	0.000219 U	0.000206 M	0.00017 U	NT	NT	0.000222 U
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	NT	NT	0.000172 U	0.000162 M	0.000134 U	NT	NT	0.000175 U
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	NT	NT	0.000214 U	0.000201 M	0.000166 U	NT	NT	0.000217 U
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	NT	NT	0.000198 U	0.000186 M	0.000154 U	NT	NT	0.000201 U
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	NT	NT	0.000144 U	0.000135 M	0.000112 U	NT	NT	0.000146 U
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	NT	NT	0.000187 U	0.000176 M	0.000145 U	NT	NT	0.00019 U
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	NT	NT	0.00031 U	0.000291 M	0.00024 U	NT	NT	0.000314 U
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	NT	NT	0.000236 U	0.000222 M	0.000183 U	NT	NT	0.000239 U
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	NT	NT	0.000869	0.000636 M	0.000525 U	NT	NT	0.0124
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	NT	NT	0.000201 U	0.00019 M	0.000156 U	NT	NT	0.000204 U
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	NT	NT	0.000173 U	0.000163 M	0.000135 U	NT	NT	0.000176 U
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	NT	NT	0.000217 U	0.000205 M	0.000169 U	NT	NT	0.000221 U
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	NT	NT	0.00031 R	0.000291 M	0.00024 U	NT	NT	0.000314 R
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	NT	NT	0.000431 U	0.000406 M	0.000335 U	NT	NT	0.000438 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P4 0.0-0.5 03/31/2007 Duplicate (mg/kg)	AOC64-P4 1.0-1.5 01/16/2009 Normal (mg/kg)	AOC64-P4 2.0-2.5 01/16/2009 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P5 0.0-0.5 01/08/2009 Normal (mg/kg)	AOC64-P5 2.5 01/16/2009 Normal (mg/kg)	AOC64-P5 1.0-1.25 02/10/2011 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>GW Soil_{Inq}</small>	Tier 2 PCL ³ 30-Acre Source <small>GW Soil_{Inq}</small>		AOC64-P4 0.0-0.5 03/31/2007 Duplicate (mg/kg)	AOC64-P4 1.0-1.5 01/16/2009 Normal (mg/kg)	AOC64-P4 2.0-2.5 01/16/2009 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P5 0.0-0.5 01/08/2009 Normal (mg/kg)	AOC64-P5 2.5 01/16/2009 Normal (mg/kg)	AOC64-P5 1.0-1.25 02/10/2011 Normal (mg/kg)
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	0.0566 U	NT	NT	0.0511 U	NT	NT	NT	NT
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	0.0328 U	NT	NT	0.0296 U	NT	NT	NT	NT
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	0.0972 U	NT	NT	0.0877 U	NT	NT	NT	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	0.0607 U	NT	NT	0.0548 U	NT	NT	NT	NT
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	0.111 U	NT	NT	0.1 U	NT	NT	NT	NT
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	0.0331 U	NT	NT	0.0299 U	NT	NT	NT	NT
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	0.111 U	NT	NT	0.0999 U	NT	NT	NT	NT
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	0.0671 U	NT	NT	0.0606 U	NT	NT	NT	NT
HMX	N/A	2.0E+02	1.2E+00	---	1.172	0.0481 U	NT	NT	0.0434 U	NT	NT	NT	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	0.0328 U	NT	NT	0.0296 U	NT	NT	NT	NT
RDX	N/A	2.5E+01	1.8E-02	---	0.018	0.051 U	NT	NT	0.046 U	NT	NT	NT	NT
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	0.15 R	NT	NT	0.135 U	NT	NT	NT	NT
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	3.92 B	NT	NT	2.24 B	0.82 U	NT	NT	NT
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	63.5 M	NT	NT	1050 M	6500	316	135	NT
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.034 U	NT	NT	0.078 U	2.95 J	NT	NT	NT
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	12.7	NT	NT	9.5	5.82 J	NT	NT	NT
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	4.97	NT	NT	6.17	30.4 J	NT	NT	NT
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	9.44	NT	NT	15.3	31.9 J	NT	NT	NT
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	0.009 J	NT	NT	0.057	0.46 J	NT	NT	NT
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	10.5	NT	NT	8.05 B	6.4 B	NT	NT	NT
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	18	NT	NT	13.3 B	719 J	NT	NT	7.9 B
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	0.00959 U	NT	NT	0.00865 U	NT	NT	NT	NT
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	0.0386 U	NT	NT	0.0348 U	NT	NT	NT	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.0654 U	NT	NT	0.0591 U	NT	NT	NT	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.0682 U	NT	NT	0.0616 U	NT	NT	NT	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.062 U	NT	NT	0.056 U	NT	NT	NT	NT
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	0.00615 U	NT	NT	0.00555 U	NT	NT	NT	NT
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	0.00989 U	NT	NT	0.00892 U	NT	NT	NT	NT
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	0.00755 U	NT	NT	0.00681 U	NT	NT	NT	NT
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	0.0328 U	NT	NT	0.0296 U	NT	NT	NT	NT
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	0.0719 U	NT	NT	0.0649 U	NT	NT	NT	NT
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	0.0251 U	NT	NT	0.0227 U	NT	NT	NT	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	0.0356 U	NT	NT	0.0321 U	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P4 0.0-0.5 03/31/2007 Duplicate (mg/kg)	AOC64-P4 1.0-1.5 01/16/2009 Normal (mg/kg)	AOC64-P4 2.0-2.5 01/16/2009 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P5 0.0-0.5 01/08/2009 Normal (mg/kg)	AOC64-P5 2.5 01/16/2009 Normal (mg/kg)	AOC64-P5 1.0-1.25 02/10/2011 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>		AOC64-P4 0.0-0.5 03/31/2007 Duplicate (mg/kg)	AOC64-P4 1.0-1.5 01/16/2009 Normal (mg/kg)	AOC64-P4 2.0-2.5 01/16/2009 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P5 0.0-0.5 01/08/2009 Normal (mg/kg)	AOC64-P5 2.5 01/16/2009 Normal (mg/kg)	AOC64-P5 1.0-1.25 02/10/2011 Normal (mg/kg)
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	0.00753 U	NT	NT	0.0068 U	NT	NT	NT	NT
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	0.032 U	NT	NT	0.0289 U	NT	NT	NT	NT
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	0.0328 U	NT	NT	0.0296 U	NT	NT	NT	NT
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	0.00941 U	NT	NT	0.00849 U	NT	NT	NT	NT
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	0.0222 U	NT	NT	0.02 U	NT	NT	NT	NT
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	0.00998 U	NT	NT	0.00901 U	NT	NT	NT	NT
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	0.0127 U	NT	NT	0.0114 U	NT	NT	NT	NT
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	0.0128 U	NT	NT	0.0115 U	NT	NT	NT	NT
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	0.074 U	NT	NT	0.0668 U	NT	NT	NT	NT
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	0.00871 U	NT	NT	0.00786 U	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	0.0165 U	NT	NT	0.0149 U	NT	NT	NT	NT
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	0.0163 U	NT	NT	0.0147 U	NT	NT	NT	NT
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	0.0131 U	NT	NT	0.0118 U	NT	NT	NT	NT
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	0.0539 U	NT	NT	0.0487 U	NT	NT	NT	NT
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	0.051 U	NT	NT	0.046 U	NT	NT	NT	NT
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	0.0109 U	NT	NT	0.00985 U	NT	NT	NT	NT
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	0.00941 U	NT	NT	0.00849 U	NT	NT	NT	NT
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	0.00952 U	NT	NT	0.00859 U	NT	NT	NT	NT
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	0.00656 U	NT	NT	0.00592 U	NT	NT	NT	NT
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	0.00772 U	NT	NT	0.00697 U	NT	NT	NT	NT
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	0.0104 U	NT	NT	0.00936 U	NT	NT	NT	NT
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	0.00834 U	NT	NT	0.0258 J	NT	NT	NT	NT
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	0.0353 U	NT	NT	0.0319 U	NT	NT	NT	NT
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	0.204 U	NT	NT	0.184 U	NT	NT	NT	NT
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	0.00957 U	NT	NT	0.00864 U	NT	NT	NT	NT
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	0.00678 U	NT	NT	0.00612 U	NT	NT	NT	NT
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	0.0475 U	NT	NT	0.0428 U	NT	NT	NT	NT
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	0.043 U	NT	NT	0.0388 U	NT	NT	NT	NT
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	0.0208 U	NT	NT	0.0187 U	NT	NT	NT	NT
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	0.01 U	NT	NT	0.00907 U	NT	NT	NT	NT
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	0.0139 U	NT	NT	0.0125 U	NT	NT	NT	NT
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	0.0407 U	NT	NT	0.0367 U	NT	NT	NT	NT
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	0.0056 U	NT	NT	0.00506 U	NT	NT	NT	NT
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	0.012 J	NT	NT	0.00647 U	NT	NT	NT	NT
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	0.0259 U	NT	NT	0.0234 U	NT	NT	NT	NT
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	0.00878 U	NT	NT	0.00792 U	NT	NT	NT	NT
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	0.00915 U	NT	NT	0.00826 U	NT	NT	NT	NT
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	0.0116 U	NT	NT	0.0105 U	NT	NT	NT	NT
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	0.00734 U	NT	NT	0.00662 U	NT	NT	NT	NT
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	0.0127 U	NT	NT	0.0115 U	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P4 0.0-0.5 03/31/2007 Duplicate (mg/kg)	AOC64-P4 1.0-1.5 01/16/2009 Normal (mg/kg)	AOC64-P4 2.0-2.5 01/16/2009 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P5 0.0-0.5 01/08/2009 Normal (mg/kg)	AOC64-P5 2.5 01/16/2009 Normal (mg/kg)	AOC64-P5 1.0-1.25 02/10/2011 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source Tot Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source gw Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source gw Soil _{Ing}		AOC64-P4 0.0-0.5 03/31/2007 Duplicate (mg/kg)	AOC64-P4 1.0-1.5 01/16/2009 Normal (mg/kg)	AOC64-P4 2.0-2.5 01/16/2009 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P5 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P5 0.0-0.5 01/08/2009 Normal (mg/kg)	AOC64-P5 2.5 01/16/2009 Normal (mg/kg)	AOC64-P5 1.0-1.25 02/10/2011 Normal (mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.0426 U	NT	NT	0.0384 U	NT	NT	NT	NT
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	0.0323 U	NT	NT	0.0291 U	NT	NT	NT	NT
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	0.0582 U	NT	NT	0.0525 U	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	0.0301 U	NT	NT	0.0272 U	NT	NT	NT	NT
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	0.00608 U	NT	NT	0.00549 U	NT	NT	NT	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.0349 U	NT	NT	0.0315 U	NT	NT	NT	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	0.0449 U	NT	NT	0.0406 U	NT	NT	NT	NT
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	0.00989 U	NT	NT	0.00892 U	NT	NT	NT	NT
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	0.0144 U	NT	NT	0.013 U	NT	NT	NT	NT
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	0.0387 U	NT	NT	0.035 U	NT	NT	NT	NT
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	0.00682 U	NT	NT	0.00616 U	NT	NT	NT	NT
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	0.00904 U	NT	NT	0.00816 U	NT	NT	NT	NT
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	0.0204 U	NT	NT	0.0184 U	NT	NT	NT	NT
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	0.000164 U	NT	NT	0.000212 U	NT	NT	NT	NT
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	0.000114 U	NT	NT	0.000148 U	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	0.000167 U	NT	NT	0.000217 U	NT	NT	NT	NT
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	0.000106 U	NT	NT	0.000137 U	NT	NT	NT	NT
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	0.000148 U	NT	NT	0.000192 U	NT	NT	NT	NT
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	0.000334 U	NT	NT	0.000433 U	NT	NT	NT	NT
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	0.000121 U	NT	NT	0.000157 U	NT	NT	NT	NT
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	0.00022 U	NT	NT	0.000286 U	NT	NT	NT	NT
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	0.000228 U	NT	NT	0.000295 U	NT	NT	NT	NT
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	0.000304 U	NT	NT	0.000394 U	NT	NT	NT	NT
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	0.000184 U	NT	NT	0.000239 U	NT	NT	NT	NT
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	0.000805 U	NT	NT	0.00104 U	NT	NT	NT	NT
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	0.000139 U	NT	NT	0.000181 U	NT	NT	NT	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.000106 U	NT	NT	0.000137 U	NT	NT	NT	NT
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	0.000106 U	NT	NT	0.000137 U	NT	NT	NT	NT
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	0.000104 U	NT	NT	0.000135 U	NT	NT	NT	NT
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	0.000152 U	NT	NT	0.000196 U	NT	NT	NT	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.000219 U	NT	NT	0.000284 U	NT	NT	NT	NT
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	0.000126 U	NT	NT	0.000164 U	NT	NT	NT	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.000391 U	NT	NT	0.000507 U	NT	NT	NT	NT
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	0.000112 U	NT	NT	0.000146 U	NT	NT	NT	NT
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	0.000164 R	NT	NT	0.000212 R	NT	NT	NT	NT
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	0.000139 U	NT	NT	0.000181 U	NT	NT	NT	NT
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	0.000302 U	NT	NT	0.000392 U	NT	NT	NT	NT
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	0.0133 J	0.00448	0.0114U	0.0116	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P4 0.0-0.5 03/31/2007 Duplicate	AOC64-P4 1.0-1.5 01/16/2009 Normal	AOC64-P4 2.0-2.5 01/16/2009 Normal	(EXCAVATED) AOC64-P5 0.0-0.5 03/31/2007 Normal	(EXCAVATED) AOC64-P5 0.0-0.5 06/15/2007 Normal	AOC64-P5 0.0-0.5 01/08/2009 Normal	AOC64-P5 2.5 01/16/2009 Normal	AOC64-P5 1.0-1.25 02/10/2011 Normal
		Tier 1 PCL ³ 30-Acre Source Tot Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source gw Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source gw Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	0.000218 U	NT	NT	0.000283 U	NT	NT	NT	NT
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	0.00024 R	NT	NT	0.000311 R	NT	NT	NT	NT
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	0.000126 U	NT	NT	0.000163 U	NT	NT	NT	NT
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	0.000157 U	NT	NT	0.000204 U	NT	NT	NT	NT
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	0.000112 U	NT	NT	0.000145 U	NT	NT	NT	NT
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	0.000153 U	NT	NT	0.000199 U	NT	NT	NT	NT
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	0.000563 R	NT	NT	0.00073 R	NT	NT	NT	NT
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	0.000131 U	NT	NT	0.00017 U	NT	NT	NT	NT
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	0.000117 U	NT	NT	0.000152 U	NT	NT	NT	NT
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	0.000107 U	NT	NT	0.000139 U	NT	NT	NT	NT
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	0.000084 U	NT	NT	0.000108 U	NT	NT	NT	NT
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	0.000145 U	NT	NT	0.000188 U	NT	NT	NT	NT
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	0.000338 U	NT	NT	0.000439 U	NT	NT	NT	NT
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	0.000192 U	NT	NT	0.000249 U	NT	NT	NT	NT
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.00116 U	NT	NT	0.0015 U	NT	NT	NT	NT
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	0.000142 U	NT	NT	0.000184 U	NT	NT	NT	NT
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	0.00191 J	NT	NT	0.00048 U	NT	NT	NT	NT
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	0.0014 U	NT	NT	0.00181 U	NT	NT	NT	NT
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	0.000431 U	NT	NT	0.000559 U	NT	NT	NT	NT
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	0.000445 U	NT	NT	0.000577 U	NT	NT	NT	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.00035 U	NT	NT	0.000453 U	NT	NT	NT	NT
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	0.000165 U	NT	NT	0.000214 U	NT	NT	NT	NT
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	0.00013 U	NT	NT	0.000169 U	NT	NT	NT	NT
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	0.000162 U	NT	NT	0.00021 U	NT	NT	NT	NT
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	0.00015 U	NT	NT	0.000194 U	NT	NT	NT	NT
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	0.000109 U	NT	NT	0.000141 U	NT	NT	NT	NT
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	0.000141 U	NT	NT	0.000183 U	NT	NT	NT	NT
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	0.000234 U	NT	NT	0.000304 U	NT	NT	NT	NT
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	0.000178 U	NT	NT	0.000231 U	NT	NT	NT	NT
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	0.00888 J	NT	NT	0.00766	NT	NT	NT	NT
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	0.000152 U	NT	NT	0.000198 U	NT	NT	NT	NT
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	0.000131 U	NT	NT	0.00017 U	NT	NT	NT	NT
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	0.000165 U	NT	NT	0.000213 U	NT	NT	NT	NT
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	0.000234 R	NT	NT	0.000304 R	NT	NT	NT	NT
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	0.000326 U	NT	NT	0.000423 U	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P6 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P7 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P7 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P7 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 03/28/2007 Normal (mg/kg)	AOC64-P8 3.0-4.0 03/28/2007 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Inq}	Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Inq}		AOC64-P6 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P7 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P7 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P7 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 03/28/2007 Normal (mg/kg)	AOC64-P8 3.0-4.0 03/28/2007 Normal (mg/kg)
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	0.0501 U	0.047 U	NT	NT	NT	NT	0.0516 U	0.0511 R
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	0.0291 U	0.0273 U	NT	NT	NT	NT	0.0299 U	0.0296 R
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	0.086 U	0.0808 U	NT	NT	NT	NT	0.0885 U	0.0877 R
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	0.0538 U	0.0505 U	NT	NT	NT	NT	0.0553 U	0.0548 R
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	0.0983 U	0.0923 U	NT	NT	NT	NT	0.101 U	0.1 R
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	0.0293 U	0.0275 U	NT	NT	NT	NT	0.0302 U	0.0299 R
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	0.0979 U	0.092 U	NT	NT	NT	NT	0.101 U	0.0999 R
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	0.0594 U	0.0558 U	NT	NT	NT	NT	0.0612 U	0.0606 R
HMX	N/A	2.0E+02	1.2E+00	---	1.172	0.0425 U	0.0399 U	NT	NT	NT	NT	0.0438 U	0.0434 R
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	0.0291 U	0.0273 U	NT	NT	NT	NT	0.0299 U	0.0296 R
RDX	N/A	2.5E+01	1.8E-02	---	0.018	0.0451 U	0.0424 U	NT	NT	NT	NT	0.0465 U	0.046 R
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	0.132 R	0.124 R	NT	NT	NT	NT	0.136 R	0.135 R
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	2.09 B	2.03 B	0.48 U	NT	NT	NT	0.98 U	1.8 B
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	42.3 M	888	879	455	46.6	NT	1810	83.9
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.081 U	0.082 U	1.9 J	NT	NT	NT	3.47	0.085 B
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	8.57	11.3	7.44 J	NT	NT	NT	8.08	12.3
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	4.74	6.46	14.1 J	NT	NT	NT	8.73	2.73
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	7.19	9.22	26.4 J	NT	NT	NT	23.7	8.38
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	0.021	0.05	1.44 J	NT	NT	0.0041 U	0.15	0.0043 U
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	7.49 B	9.61 B	7.76	NT	NT	NT	6.21 B	8.09 B
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	10.4 B	14.9 B	127 J	NT	NT	NT	58.1	17 B
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	0.00891 U	0.00916 U	NT	NT	NT	NT	0.00873 U	0.00865 U
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	0.036 U	0.0369 U	NT	NT	NT	NT	0.0354 U	0.0347 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.061 U	0.0625 U	NT	NT	NT	NT	0.06 U	0.0588 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.0636 U	0.0652 U	NT	NT	NT	NT	0.0625 U	0.0613 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.0578 U	0.0592 U	NT	NT	NT	NT	0.0569 U	0.0558 U
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	0.00573 U	0.00587 U	NT	NT	NT	NT	0.00564 U	0.00553 U
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	0.00922 U	0.00945 U	NT	NT	NT	NT	0.00907 U	0.00889 U
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	0.00704 U	0.00721 U	NT	NT	NT	NT	0.00692 U	0.00679 U
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	0.0306 U	0.0313 U	NT	NT	NT	NT	0.0301 U	0.0295 U
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	0.067 U	0.0687 U	NT	NT	NT	NT	0.0659 U	0.0647 U
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	0.0234 U	0.024 U	NT	NT	NT	NT	0.023 U	0.0226 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	0.0331 U	0.034 U	NT	NT	NT	NT	0.0326 U	0.032 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P6 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P7 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P7 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P7 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 03/28/2007 Normal (mg/kg)	AOC64-P8 3.0-4.0 03/28/2007 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>		AOC64-P6 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P7 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P7 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P7 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 03/28/2007 Normal (mg/kg)	AOC64-P8 3.0-4.0 03/28/2007 Normal (mg/kg)
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	0.00702 U	0.0072 U	NT	NT	NT	NT	0.00691 U	0.00678 U
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	0.0298 U	0.0306 U	NT	NT	NT	NT	0.0293 U	0.0288 U
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	0.0306 U	0.0313 U	NT	NT	NT	NT	0.0301 U	0.0295 U
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	0.00877 U	0.00899 U	NT	NT	NT	NT	0.00863 U	0.00846 U
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	0.0207 U	0.0212 U	NT	NT	NT	NT	0.0204 U	0.02 U
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	0.0093 U	0.00954 U	NT	NT	NT	NT	0.00915 U	0.00898 U
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	0.0118 U	0.0121 U	NT	NT	NT	NT	0.0116 U	0.0114 U
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	0.0119 U	0.0122 U	NT	NT	NT	NT	0.0117 U	0.0115 U
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	0.069 U	0.0707 U	NT	NT	NT	NT	0.0679 U	0.0666 U
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	0.00812 U	0.00832 U	NT	NT	NT	NT	0.00799 U	0.00783 U
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	0.0154 U	0.0158 U	NT	NT	NT	NT	0.0152 U	0.0149 U
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	0.0152 U	0.0155 U	NT	NT	NT	NT	0.0149 U	0.0146 U
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	0.0122 U	0.0125 U	NT	NT	NT	NT	0.012 U	0.0118 U
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	0.0503 U	0.0515 U	NT	NT	NT	NT	0.0495 U	0.0485 U
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	0.0476 U	0.0488 U	NT	NT	NT	NT	0.0468 U	0.0459 U
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	0.0102 U	0.0104 U	NT	NT	NT	NT	0.01 U	0.00982 U
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	0.00877 U	0.00899 U	NT	NT	NT	NT	0.00863 U	0.00846 U
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	0.00887 U	0.00909 U	NT	NT	NT	NT	0.00873 U	0.00856 U
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	0.00611 U	0.00626 U	NT	NT	NT	NT	0.00601 U	0.0059 U
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	0.0072 U	0.00738 U	NT	NT	NT	NT	0.00708 U	0.00694 U
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	0.00967 U	0.00991 U	NT	NT	NT	NT	0.00952 U	0.00933 U
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	0.00778 U	0.00797 U	NT	NT	NT	NT	0.00765 U	0.0075 U
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	0.0329 U	0.0337 U	NT	NT	NT	NT	0.0324 U	0.0317 U
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	0.19 U	0.195 U	NT	NT	NT	NT	0.187 U	0.183 U
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	0.00892 U	0.00914 U	NT	NT	NT	NT	0.00878 U	0.00861 U
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	0.00632 U	0.00648 U	NT	NT	NT	NT	0.00622 U	0.0061 U
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	0.0442 U	0.0453 U	NT	NT	NT	NT	0.0435 U	0.0427 U
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	0.04 U	0.041 U	NT	NT	NT	NT	0.0394 U	0.0386 U
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	0.0193 U	0.0198 U	NT	NT	NT	NT	0.019 U	0.0187 U
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	0.00937 U	0.0096 U	NT	NT	NT	NT	0.00921 U	0.00903 U
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	0.0129 U	0.0133 U	NT	NT	NT	NT	0.0127 U	0.0125 U
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	0.038 U	0.0389 U	NT	NT	NT	NT	0.0373 U	0.0366 U
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	0.00522 U	0.00536 U	NT	NT	NT	NT	0.00514 U	0.00504 U
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	0.00668 U	0.00685 U	NT	NT	NT	NT	0.00657 U	0.00644 U
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	0.0242 U	0.0248 U	NT	NT	NT	NT	0.0238 U	0.0233 U
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	0.00818 U	0.00839 U	NT	NT	NT	NT	0.00805 U	0.00789 U
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	0.00853 U	0.00874 U	NT	NT	NT	NT	0.00839 U	0.00823 U
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	0.0108 U	0.0111 U	NT	NT	NT	NT	0.0106 U	0.0104 U
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	0.00684 U	0.00701 U	NT	NT	NT	NT	0.00673 U	0.0066 U
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	0.0118 U	0.0121 U	NT	NT	NT	NT	0.0116 U	0.0114 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P6 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P7 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P7 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P7 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 03/28/2007 Normal (mg/kg)	AOC64-P8 3.0-4.0 03/28/2007 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}		AOC64-P6 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P7 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P7 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P7 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 03/28/2007 Normal (mg/kg)	AOC64-P8 3.0-4.0 03/28/2007 Normal (mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.0397 U	0.0407 U	NT	NT	NT	NT	0.039 R	0.0383 U
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	0.0301 U	0.0308 U	NT	NT	NT	NT	0.0296 U	0.029 U
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	0.0542 U	0.0556 U	NT	NT	NT	NT	0.0533 U	0.0523 U
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	0.0281 U	0.0288 U	NT	NT	NT	NT	0.0276 U	0.0271 U
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	0.00567 U	0.00581 U	NT	NT	NT	NT	0.00558 U	0.00547 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.0325 U	0.0333 U	NT	NT	NT	NT	0.032 U	0.0314 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	0.0419 U	0.0429 U	NT	NT	NT	NT	0.0412 U	0.0404 U
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	0.00922 U	0.00945 U	NT	NT	NT	NT	0.00907 U	0.00889 U
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	0.0134 U	0.0138 U	NT	NT	NT	NT	0.0132 U	0.013 U
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	0.0361 U	0.037 U	NT	NT	NT	NT	0.0355 U	0.0348 U
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	0.00636 U	0.00652 U	NT	NT	NT	NT	0.00625 U	0.00613 U
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	0.00843 U	0.00864 U	NT	NT	NT	NT	0.00829 U	0.00813 U
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	0.019 U	0.0195 U	NT	NT	NT	NT	0.0187 U	0.0183 U
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	0.000149 U	0.000146 U	NT	NT	NT	NT	0.000178 U	0.000154 U
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	0.000104 U	0.000102 U	NT	NT	NT	NT	0.000125 U	0.000108 U
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	0.000153 U	0.000149 U	NT	NT	NT	NT	0.000182 U	0.000157 U
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	0.000097 U	0.000095 U	NT	NT	NT	NT	0.000116 U	0.0001 U
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	0.000135 U	0.000132 U	NT	NT	NT	NT	0.000161 U	0.000139 U
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	0.000305 U	0.000298 U	NT	NT	NT	NT	0.000364 U	0.000314 U
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	0.00011 U	0.000108 U	NT	NT	NT	NT	0.000132 U	0.000114 U
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	0.000201 U	0.000197 U	NT	NT	NT	NT	0.00024 U	0.000207 U
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	0.000208 U	0.000203 U	NT	NT	NT	NT	0.000248 U	0.000214 U
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	0.000277 U	0.000272 U	NT	NT	NT	NT	0.000331 U	0.000286 U
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	0.000168 U	0.000164 U	NT	NT	NT	NT	0.000201 U	0.000173 U
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	0.000735 U	0.000719 R	NT	NT	NT	NT	0.000878 U	0.000757 U
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	0.000127 U	0.000125 U	NT	NT	NT	NT	0.000152 U	0.000131 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.000097 U	0.000095 U	NT	NT	NT	NT	0.000116 U	0.0001 U
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	0.000097 U	0.000095 U	NT	NT	NT	NT	0.000116 U	0.0001 U
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	0.000095 U	0.000093 U	NT	NT	NT	NT	0.000114 U	0.000098 U
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	0.000138 U	0.000135 U	NT	NT	NT	NT	0.000165 U	0.000142 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.0002 U	0.000196 U	NT	NT	NT	NT	0.000239 U	0.000206 U
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	0.000115 U	0.000113 U	NT	NT	NT	NT	0.000138 U	0.000119 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.000357 U	0.00035 U	NT	NT	NT	NT	0.000427 U	0.000368 U
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	0.000103 U	0.0001 U	NT	NT	NT	NT	0.000123 R	0.000106 U
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	0.000149 R	0.000146 U	NT	NT	NT	NT	0.000178 U	0.000154 U
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	0.000127 U	0.000125 U	NT	NT	NT	NT	0.000152 U	0.000131 U
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	0.000276 U	0.00027 U	NT	NT	NT	NT	0.000329 U	0.000284 U
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	0.0114	0.0102 J	NT	NT	NT	NT	0.00394 J	0.00681

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P6 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P7 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P7 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P7 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 03/28/2007 Normal (mg/kg)	AOC64-P8 3.0-4.0 03/28/2007 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}		AOC64-P6 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P7 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P7 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P7 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P7 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 03/28/2007 Normal (mg/kg)	AOC64-P8 3.0-4.0 03/28/2007 Normal (mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	0.000199 U	0.000195 U	NT	NT	NT	NT	0.000238 U	0.000205 U
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	0.000219 R	0.000214 U	NT	NT	NT	NT	0.000261 U	0.000226 U
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	0.000115 U	0.000112 U	NT	NT	NT	NT	0.000137 U	0.000118 U
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	0.000143 U	0.00014 U	NT	NT	NT	NT	0.000171 U	0.000148 U
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	0.000102 U	0.0001 U	NT	NT	NT	NT	0.000122 U	0.000105 U
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	0.00014 U	0.000137 U	NT	NT	NT	NT	0.000167 U	0.000144 U
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	0.000514 R	0.000503 R	NT	NT	NT	NT	0.000614 R	0.00053 U
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	0.00012 U	0.000117 U	NT	NT	NT	NT	0.000143 U	0.000123 U
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	0.000107 U	0.000105 U	NT	NT	NT	NT	0.000128 U	0.00011 U
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	0.000098 U	0.000096 U	NT	NT	NT	NT	0.000117 U	0.000101 U
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	0.000076 U	0.000075 U	NT	NT	NT	NT	0.000091 U	0.000079 U
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	0.000132 U	0.00013 U	NT	NT	NT	NT	0.000158 U	0.000136 U
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	0.000309 U	0.000302 R	NT	NT	NT	NT	0.000369 U	0.000318 U
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	0.000176 U	0.000172 U	NT	NT	NT	NT	0.00021 U	0.000181 U
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.00106 U	0.00103 R	NT	NT	NT	NT	0.00126 U	0.00109 U
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	0.00013 U	0.000127 U	NT	NT	NT	NT	0.000155 U	0.000134 U
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	0.000338 U	0.000331 U	NT	NT	NT	NT	0.000403 U	0.00177 J
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	0.00128 U	0.00125 U	NT	NT	NT	NT	0.00153 U	0.00132 U
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	0.000394 U	0.000385 R	NT	NT	NT	NT	0.00047 R	0.000406 U
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	0.000406 U	0.000398 U	NT	NT	NT	NT	0.000485 U	0.000419 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.000319 U	0.000312 U	NT	NT	NT	NT	0.000381 U	0.000329 U
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	0.000151 U	0.000148 U	NT	NT	NT	NT	0.00018 R	0.000156 U
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	0.000119 U	0.000116 U	NT	NT	NT	NT	0.000142 U	0.000122 U
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	0.000148 U	0.000145 U	NT	NT	NT	NT	0.000176 U	0.000152 U
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	0.000137 U	0.000134 U	NT	NT	NT	NT	0.000163 U	0.000141 U
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	0.000099 U	0.000097 U	NT	NT	NT	NT	0.000119 U	0.000102 U
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	0.000129 U	0.000126 U	NT	NT	NT	NT	0.000154 U	0.000133 U
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	0.000214 U	0.000209 U	NT	NT	NT	NT	0.000255 U	0.00022 U
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	0.000163 U	0.000159 U	NT	NT	NT	NT	0.000195 U	0.000168 U
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	0.00672	0.00713 J	NT	NT	NT	NT	0.00261 J	0.00722
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	0.000139 U	0.000136 U	NT	NT	NT	NT	0.000166 U	0.000143 U
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	0.00012 U	0.000117 U	NT	NT	NT	NT	0.000143 U	0.000123 U
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	0.00015 U	0.000147 U	NT	NT	NT	NT	0.000179 U	0.000155 U
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	0.000214 R	0.000209 U	NT	NT	NT	NT	0.000255 R	0.00022 U
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	0.000298 U	0.000292 U	NT	NT	NT	NT	0.000356 U	0.000307 U

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P8 5.0-6.0 03/28/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P8 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P8 1.0-1.25 02/10/2011 Normal (mg/kg)	AOC64-P9 0.0-0.5 03/31/2007 Normal (mg/kg)	AOC64-P9 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 06/15/2007 Normal (mg/kg)
		Tier 1 PCL ³	Tier 1 PCL ³	Tier 2 PCL ³		Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³	Tier 1 PCL ³
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	0.051 U	NT	NT	NT	0.0575 U	NT	0.0469 U	NT
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	0.0296 U	NT	NT	NT	0.0334 U	NT	0.0272 U	NT
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	0.0875 U	NT	NT	NT	0.0988 U	NT	0.0805 U	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	0.0547 U	NT	NT	NT	0.0617 U	NT	0.0503 U	NT
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	0.1 U	NT	NT	NT	0.113 U	NT	0.092 U	NT
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	0.0298 U	NT	NT	NT	0.0337 U	NT	0.0274 U	NT
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	0.0996 U	NT	NT	NT	0.112 U	NT	0.0917 U	NT
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	0.0605 U	NT	NT	NT	0.0683 U	NT	0.0556 U	NT
HMX	N/A	2.0E+02	1.2E+00	---	1.172	0.0433 U	NT	NT	NT	0.0489 U	NT	0.0398 U	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	0.0296 U	NT	NT	NT	0.0334 U	NT	0.0272 U	NT
RDX	N/A	2.5E+01	1.8E-02	---	0.018	0.0459 U	NT	NT	NT	0.0518 U	NT	0.0423 U	NT
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	0.135 R	NT	NT	NT	0.152 R	NT	0.124 R	NT
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	0.97 U	0.88 U	NT	NT	0.46 U	0.37 U	1.07 U	0.85 U
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	233	1330	227	NT	283	253	2060	2100
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.38 B	10.7 J	0.2 B	NT	0.13 B	0.41 J	0.89 B	1.08 J
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	12.3	8.83 J	NT	NT	6.41	5.42 J	3.6	2.51 J
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	4.65	18.2 J	NT	NT	14.6	13.6 J	16.6	14 J
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	11.1	26 J	NT	NT	32.3	25.8 J	59.2	56.2
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	0.0075 B	0.3 J	NT	NT	0.59	0.55 J	0.27 J	0.28 J
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	8.09 B	8.86 B	NT	NT	5.91	6.75	4.7 B	4.93 B
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	31.4	128 J	NT	52.8	33.9	34.4 J	43	64.1 J
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	0.00863 U	NT	NT	NT	0.0102 U	NT	0.00953 U	NT
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	0.0346 U	NT	NT	NT	0.0413 U	NT	0.0388 U	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.0587 U	NT	NT	NT	0.0701 U	NT	0.0657 U	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.0612 U	NT	NT	NT	0.073 U	NT	0.0685 U	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.0556 U	NT	NT	NT	0.0664 U	NT	0.0623 U	NT
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	0.00552 U	NT	NT	NT	0.00658 U	NT	0.00617 U	NT
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	0.00887 U	NT	NT	NT	0.0106 U	NT	0.00993 U	NT
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	0.00677 U	NT	NT	NT	0.00808 U	NT	0.00758 U	NT
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	0.0294 U	NT	NT	NT	0.0351 U	NT	0.0329 U	NT
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	0.0645 U	NT	NT	NT	0.077 U	NT	0.0722 U	NT
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	0.0225 U	NT	NT	NT	0.0269 U	NT	0.0252 U	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	0.0319 U	NT	NT	NT	0.0381 U	NT	0.0357 U	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P8 5.0-6.0 03/28/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P8 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P8 1.0-1.25 02/10/2011 Normal (mg/kg)	AOC64-P9 0.0-0.5 03/31/2007 Normal (mg/kg)	AOC64-P9 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 06/15/2007 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>		AOC64-P8 5.0-6.0 03/28/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P8 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P8 1.0-1.25 02/10/2011 Normal (mg/kg)	AOC64-P9 0.0-0.5 03/31/2007 Normal (mg/kg)	AOC64-P9 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 06/15/2007 Normal (mg/kg)
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	0.00676 U	NT	NT	NT	0.00807 U	NT	0.00757 U	NT
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	0.0287 U	NT	NT	NT	0.0343 U	NT	0.0321 U	NT
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	0.0294 U	NT	NT	NT	0.0351 U	NT	0.0329 U	NT
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	0.00845 U	NT	NT	NT	0.0101 U	NT	0.00945 U	NT
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	0.0199 U	NT	NT	NT	0.0238 U	NT	0.0223 U	NT
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	0.00896 U	NT	NT	NT	0.0107 U	NT	0.01 U	NT
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	0.0114 U	NT	NT	NT	0.0136 U	NT	0.0127 U	NT
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	0.0114 U	NT	NT	NT	0.0137 U	NT	0.0128 U	NT
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	0.0664 U	NT	NT	NT	0.0793 U	NT	0.0743 U	NT
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	0.00782 U	NT	NT	NT	0.00933 U	NT	0.00875 U	NT
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	0.0148 U	NT	NT	NT	0.0177 U	NT	0.0166 U	NT
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	0.0146 U	NT	NT	NT	0.0174 U	NT	0.0163 U	NT
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	0.0118 U	NT	NT	NT	0.014 U	NT	0.0132 U	NT
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	0.0484 U	NT	NT	NT	0.0578 U	NT	0.0542 U	NT
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	0.0458 U	NT	NT	NT	0.0546 U	NT	0.0512 U	NT
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	0.0098 U	NT	NT	NT	0.0117 U	NT	0.011 U	NT
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	0.00845 U	NT	NT	NT	0.0101 U	NT	0.00945 U	NT
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	0.00854 U	NT	NT	NT	0.0102 U	NT	0.00956 U	NT
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	0.00588 U	NT	NT	NT	0.00702 U	NT	0.00658 U	NT
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	0.00693 U	NT	NT	NT	0.00827 U	NT	0.00775 U	NT
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	0.00931 U	NT	NT	NT	0.0111 U	NT	0.0104 U	NT
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	0.00749 U	NT	NT	NT	0.0359 J	NT	0.00838 U	NT
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	0.0317 U	NT	NT	NT	0.0378 U	NT	0.0354 U	NT
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	0.183 U	NT	NT	NT	0.218 U	NT	0.204 U	NT
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	0.00859 U	NT	NT	NT	0.0102 U	NT	0.00961 U	NT
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	0.00609 U	NT	NT	NT	0.00726 U	NT	0.00681 U	NT
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	0.0426 U	NT	NT	NT	0.0508 U	NT	0.0477 U	NT
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	0.0386 U	NT	NT	NT	0.046 U	NT	0.0431 U	NT
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	0.0186 U	NT	NT	NT	0.0222 U	NT	0.0208 U	NT
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	0.00902 U	NT	NT	NT	0.0108 U	NT	0.0101 U	NT
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	0.0125 U	NT	NT	NT	0.0149 U	NT	0.0139 U	NT
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	0.0365 U	NT	NT	NT	0.0436 U	NT	0.0409 U	NT
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	0.00503 U	NT	NT	NT	0.006 U	NT	0.00563 U	NT
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	0.00643 U	NT	NT	NT	0.00767 U	NT	0.0072 U	NT
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	0.0233 U	NT	NT	NT	0.0277 U	NT	0.026 U	NT
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	0.00788 U	NT	NT	NT	0.0094 U	NT	0.00881 U	NT
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	0.00821 U	NT	NT	NT	0.00979 U	NT	0.00919 U	NT
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	0.0104 U	NT	NT	NT	0.0124 U	NT	0.0117 U	NT
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	0.00658 U	NT	NT	NT	0.00786 U	NT	0.00737 U	NT
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	0.0114 U	NT	NT	NT	0.0136 U	NT	0.0128 U	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P8 5.0-6.0 03/28/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P8 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P8 1.0-1.25 02/10/2011 Normal (mg/kg)	AOC64-P9 0.0-0.5 03/31/2007 Normal (mg/kg)	AOC64-P9 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 06/15/2007 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source Tot ^{Soil_{Comb}}	Tier 1 PCL ³ 30-Acre Source gw ^{Soil_{Ing}}	Tier 2 PCL ³ 30-Acre Source gw ^{Soil_{Ing}}		AOC64-P8 5.0-6.0 03/28/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P8 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P8 1.0-1.25 02/10/2011 Normal (mg/kg)	AOC64-P9 0.0-0.5 03/31/2007 Normal (mg/kg)	AOC64-P9 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 06/15/2007 Normal (mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.0382 U	NT	NT	NT	0.0456 U	NT	0.0427 U	NT
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	0.0289 U	NT	NT	NT	0.0345 U	NT	0.0324 U	NT
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	0.0522 U	NT	NT	NT	0.0623 U	NT	0.0584 U	NT
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	0.027 U	NT	NT	NT	0.0323 U	NT	0.0303 U	NT
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	0.00546 U	NT	NT	NT	0.00651 U	NT	0.00611 U	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.0313 U	NT	NT	NT	0.0374 U	NT	0.035 U	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	0.0403 U	NT	NT	NT	0.0481 U	NT	0.0451 U	NT
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	0.00887 U	NT	NT	NT	0.0106 U	NT	0.00993 U	NT
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	0.0129 U	NT	NT	NT	0.0154 U	NT	0.0145 U	NT
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	0.0348 U	NT	NT	NT	0.0415 U	NT	0.0389 U	NT
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	0.00612 U	NT	NT	NT	0.0073 U	NT	0.00685 U	NT
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	0.00811 U	NT	NT	NT	0.00968 U	NT	0.00908 U	NT
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	0.0183 U	NT	NT	NT	0.0218 U	NT	0.0204 U	NT
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	0.000161 U	NT	NT	NT	0.000214 U	NT	0.000194 U	NT
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	0.000112 U	NT	NT	NT	0.00015 U	NT	0.000135 U	NT
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	0.000164 U	NT	NT	NT	0.000219 U	NT	0.000198 U	NT
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	0.000104 U	NT	NT	NT	0.000139 U	NT	0.000125 U	NT
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	0.000145 U	NT	NT	NT	0.000194 U	NT	0.000175 U	NT
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	0.000327 U	NT	NT	NT	0.000437 U	NT	0.000395 U	NT
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	0.000119 U	NT	NT	NT	0.000158 U	NT	0.000143 U	NT
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	0.000216 U	NT	NT	NT	0.000289 U	NT	0.000261 U	NT
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	0.000223 U	NT	NT	NT	0.000298 U	NT	0.00027 U	NT
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	0.000298 U	NT	NT	NT	0.000398 U	NT	0.00036 U	NT
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	0.000181 U	NT	NT	NT	0.000241 U	NT	0.000218 U	NT
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	0.00079 U	NT	NT	NT	0.00105 U	NT	0.000953 U	NT
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	0.000137 U	NT	NT	NT	0.000183 U	NT	0.000165 U	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.000104 U	NT	NT	NT	0.000139 U	NT	0.000125 U	NT
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	0.000104 U	NT	NT	NT	0.000139 U	NT	0.000125 U	NT
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	0.000102 U	NT	NT	NT	0.000136 U	NT	0.000123 U	NT
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	0.000149 U	NT	NT	NT	0.000199 U	NT	0.000179 U	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.000215 U	NT	NT	NT	0.000287 U	NT	0.00026 U	NT
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	0.000124 U	NT	NT	NT	0.000166 U	NT	0.00015 U	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.000384 U	NT	NT	NT	0.000513 U	NT	0.000463 U	NT
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	0.00011 U	NT	NT	NT	0.000147 U	NT	0.000133 U	NT
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	0.000161 U	NT	NT	NT	0.000214 U	NT	0.000194 U	NT
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	0.000137 U	NT	NT	NT	0.000183 U	NT	0.000165 U	NT
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	0.000296 U	NT	NT	NT	0.000396 U	NT	0.000358 U	NT
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	0.00392 J	NT	NT	NT	0.00802 J	NT	0.0169 J	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P8 5.0-6.0 03/28/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P8 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P8 1.0-1.25 02/10/2011 Normal (mg/kg)	AOC64-P9 0.0-0.5 03/31/2007 Normal (mg/kg)	AOC64-P9 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 06/15/2007 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source Tot Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source gw Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source gw Soil _{Ing}		AOC64-P8 5.0-6.0 03/28/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P8 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P8 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P8 1.0-1.25 02/10/2011 Normal (mg/kg)	AOC64-P9 0.0-0.5 03/31/2007 Normal (mg/kg)	AOC64-P9 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 03/31/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P10 0.0-0.5 06/15/2007 Normal (mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	0.000214 U	NT	NT	NT	0.000286 U	NT	0.000259 U	NT
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	0.000235 U	NT	NT	NT	0.000314 U	NT	0.000284 U	NT
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	0.000123 U	NT	NT	NT	0.000164 U	NT	0.000149 U	NT
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	0.000154 U	NT	NT	NT	0.000206 U	NT	0.000186 U	NT
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	0.000109 U	NT	NT	NT	0.000146 U	NT	0.000132 U	NT
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	0.00015 U	NT	NT	NT	0.000201 U	NT	0.000182 U	NT
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	0.000553 U	NT	NT	NT	0.000738 U	NT	0.000667 U	NT
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	0.000129 U	NT	NT	NT	0.000172 U	NT	0.000155 U	NT
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	0.000115 U	NT	NT	NT	0.000153 U	NT	0.000139 U	NT
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	0.000105 U	NT	NT	NT	0.00014 U	NT	0.000127 U	NT
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	0.000082 U	NT	NT	NT	0.00011 U	NT	0.000099 U	NT
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	0.000142 U	NT	NT	NT	0.00019 U	NT	0.000172 U	NT
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	0.000332 U	NT	NT	NT	0.000443 R	NT	0.000401 R	NT
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	0.000189 U	NT	NT	NT	0.000252 U	NT	0.000364 J	NT
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.00114 U	NT	NT	NT	0.00152 U	NT	0.00137 U	NT
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	0.00014 U	NT	NT	NT	0.000186 U	NT	0.000168 U	NT
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	0.000363 U	NT	NT	NT	0.000485 U	NT	0.00489 J	NT
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	0.00137 U	NT	NT	NT	0.00183 R	NT	0.00166 R	NT
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	0.000423 U	NT	NT	NT	0.000565 R	NT	0.000511 R	NT
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	0.000437 U	NT	NT	NT	0.000583 U	NT	0.000527 U	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.000343 U	NT	NT	NT	0.000458 U	NT	0.000414 U	NT
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	0.000162 U	NT	NT	NT	0.000217 U	NT	0.000196 U	NT
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	0.000128 U	NT	NT	NT	0.00017 U	NT	0.000154 U	NT
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	0.000159 U	NT	NT	NT	0.000212 U	NT	0.00279 J	NT
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	0.000147 U	NT	NT	NT	0.000196 U	NT	0.00308 J	NT
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	0.000107 U	NT	NT	NT	0.000142 U	NT	0.000129 U	NT
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	0.000139 U	NT	NT	NT	0.000185 U	NT	0.000167 U	NT
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	0.00023 U	NT	NT	NT	0.000307 U	NT	0.000277 U	NT
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	0.000175 U	NT	NT	NT	0.000234 U	NT	0.000211 U	NT
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	0.00415 J	NT	NT	NT	0.00574 J	NT	0.0183 J	NT
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	0.00015 U	NT	NT	NT	0.0002 U	NT	0.000181 U	NT
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	0.000129 U	NT	NT	NT	0.000172 U	NT	0.000155 U	NT
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	0.000161 U	NT	NT	NT	0.000216 U	NT	0.000195 U	NT
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	0.00023 U	NT	NT	NT	0.000307 U	NT	0.000277 U	NT
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	0.00032 U	NT	NT	NT	0.000427 U	NT	0.000386 U	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P10	AOC64-P10	AOC64-P11	(EXCAVATED) AOC64-P12	AOC64-P12	(EXCAVATED) AOC64-P13	AOC64-P13	AOC64-P13
		30-Acre Source <small>Tot Soil_{Comb}</small>	30-Acre Source <small>GW Soil_{Ing}</small>	30-Acre Source <small>GW Soil_{Ing}</small>		1.5-2.0 01/16/2009 Normal (mg/kg)	1.0-1.5 06/23/2009 Normal (mg/kg)	0.0-0.5 06/15/2007 Normal (mg/kg)	0.0-0.5 06/15/2007 Normal (mg/kg)	1.0-1.25 02/10/2011 Normal (mg/kg)	0.0-0.5 06/15/2007 Normal (mg/kg)	0.0-0.5 06/23/2009 Normal (mg/kg)	1.0-1.25 02/10/2011 Normal (mg/kg)
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	NT	NT	NT	NT	NT	NT	NT	NT
HMX	N/A	2.0E+02	1.2E+00	---	1.172	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	NT	NT	NT	NT	NT	NT	NT	NT
RDX	N/A	2.5E+01	1.8E-02	---	0.018	NT	NT	NT	NT	NT	NT	NT	NT
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	NT	NT	NT	NT	NT	NT	NT	NT
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	NT	NT	0.92 U	0.39 U	NT	1 U	NT	NT
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	NT	6.87	58.2	115	NT	1340	55.4	NT
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	NT	NT	1.38 J	0.57 J	NT	4.84 J	0.06 U	NT
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	NT	NT	3.35 J	9.71 J	NT	9.5 J	NT	NT
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	NT	NT	11.3 J	9.61 J	NT	26.9 J	NT	NT
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	NT	NT	14.5 J	24.2 J	NT	40.5 J	NT	NT
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	NT	NT	0.16 J	1.47 J	0.0041 U	0.22 J	NT	NT
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	NT	NT	5.47 B	9.69	NT	10.3 B	NT	NT
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	NT	NT	19.5 J	26.2 J	NT	204 J	NT	27.1
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	NT	NT	NT	NT	NT	NT	NT	NT
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT	NT
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	NT	NT	NT	NT	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P10 1.5-2.0 01/16/2009 Normal (mg/kg)	AOC64-P10 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P11 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P12 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P12 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P13 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P13 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P13 1.0-1.25 02/10/2011 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>		AOC64-P10 1.5-2.0 01/16/2009 Normal (mg/kg)	AOC64-P10 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P11 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P12 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P12 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P13 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P13 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P13 1.0-1.25 02/10/2011 Normal (mg/kg)
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	NT	NT	NT	NT	NT	NT	NT	NT
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	NT	NT	NT	NT	NT	NT	NT	NT
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	NT	NT	NT	NT	NT	NT	NT	NT
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	NT	NT	NT	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	NT	NT	NT	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	NT	NT	NT	NT	NT	NT	NT	NT
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	NT	NT	NT	NT	NT	NT	NT	NT
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	NT	NT	NT	NT	NT	NT	NT	NT
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	NT	NT	NT	NT	NT	NT	NT	NT
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	NT	NT	NT	NT	NT	NT	NT	NT
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	NT	NT	NT	NT	NT	NT	NT	NT
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	NT	NT	NT	NT	NT	NT	NT	NT
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	NT	NT	NT	NT	NT	NT	NT	NT
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	NT	NT	NT	NT	NT	NT	NT	NT
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	NT	NT	NT	NT	NT	NT	NT	NT
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	NT	NT	NT	NT	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P10 1.5-2.0 01/16/2009 Normal (mg/kg)	AOC64-P10 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P11 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P12 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P12 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P13 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P13 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P13 1.0-1.25 02/10/2011 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}		AOC64-P10 1.5-2.0 01/16/2009 Normal (mg/kg)	AOC64-P10 1.0-1.5 06/23/2009 Normal (mg/kg)	AOC64-P11 0.0-0.5 06/15/2007 Normal (mg/kg)	(EXCAVATED) AOC64-P12 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P12 1.0-1.25 02/10/2011 Normal (mg/kg)	(EXCAVATED) AOC64-P13 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P13 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P13 1.0-1.25 02/10/2011 Normal (mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	NT	NT	NT	NT	NT	NT	NT	NT
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	NT	NT	NT	NT	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	NT	NT	NT	NT	NT	NT	NT	NT
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	NT	NT	NT	NT	NT	NT	NT	NT
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	NT	NT	NT	NT	NT	NT	NT	NT
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	NT	NT	NT	NT	NT	NT	NT	NT
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	NT	NT	NT	NT	NT	NT	NT	NT
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	NT	NT	NT	NT	NT	NT	NT	NT
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	NT	NT	NT	NT	NT	NT	NT	NT
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	NT	NT	NT	NT	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	NT	NT	NT	NT	NT	NT	NT	NT
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT	NT
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	NT	NT	NT	NT	NT	NT	NT	NT
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	NT	NT	NT	NT	NT	NT	NT	NT
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	0.0112 U	0.0112 U	NT	NT	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-P10	AOC64-P10	AOC64-P11	(EXCAVATED) AOC64-P12	AOC64-P12	(EXCAVATED) AOC64-P13	AOC64-P13	AOC64-P13
		30-Acre Source <small>Tot Soil_{Comb}</small>	30-Acre Source <small>gw Soil_{Ing}</small>	30-Acre Source <small>gw Soil_{Ing}</small>		1.5-2.0 01/16/2009 Normal (mg/kg)	1.0-1.5 06/23/2009 Normal (mg/kg)	0.0-0.5 06/15/2007 Normal (mg/kg)	0.0-0.5 06/15/2007 Normal (mg/kg)	1.0-1.25 02/10/2011 Normal (mg/kg)	0.0-0.5 06/15/2007 Normal (mg/kg)	0.0-0.5 06/23/2009 Normal (mg/kg)	1.0-1.25 02/10/2011 Normal (mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	NT	NT	NT	NT	NT	NT	NT	NT
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	NT	NT	NT	NT	NT	NT	NT	NT
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	NT	NT	NT	NT	NT	NT	NT	NT
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	NT	NT	NT	NT	NT	NT	NT	NT
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	NT	NT	NT	NT	NT	NT	NT	NT
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	NT	NT	NT	NT	NT	NT	NT	NT
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	NT	NT	NT	NT	NT	NT	NT	NT
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	NT	NT	NT	NT	NT	NT	NT	NT
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	NT	NT	NT	NT	NT	NT	NT	NT
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	NT	NT	NT	NT	NT	NT	NT	NT
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	NT	NT	NT	NT	NT	NT	NT	NT
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	NT	NT	NT	NT	NT	NT	NT	NT
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	NT	NT	NT	NT	NT	NT	NT	NT
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	NT	NT	NT	NT	NT	NT	NT	NT
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	NT	NT	NT	NT	NT	NT	NT	NT
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	NT	NT	NT	NT	NT	NT	NT	NT
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	NT	NT	NT	NT	NT
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	NT	NT	NT	NT	NT	NT	NT	NT
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	NT	NT	NT	NT	NT	NT	NT	NT
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	NT	NT	NT	NT	NT	NT	NT	NT
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	NT	NT	NT	NT	NT	NT	NT	NT
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	NT	NT	NT	NT	NT	NT	NT	NT
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	NT	NT	NT	NT	NT	NT	NT	NT
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	NT	NT	NT	NT	NT	NT	NT	NT
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	NT	NT	NT	NT	NT	NT	NT	NT
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	NT	NT	NT	NT	NT	NT	NT	NT

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	(EXCAVATED) AOC64-P14 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P14 0.0-0.5 06/23/2009 Normal (mg/kg)	(EXCAVATED) AOC64-P15 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P15 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P16 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P17 0.0-0.5 01/08/2009 Normal (mg/kg)	AOC64-P18 0.0-0.5 01/21/2009 Normal (mg/kg)	AOC64-P19 3.0-3.5 06/23/2009 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Camb}	Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{log}	Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{log}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	NT	NT	NT	NT	NT	NT	NT	NT
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	NT	NT	NT	NT	NT	NT	NT	NT
HMX	N/A	2.0E+02	1.2E+00	---	1.172	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	NT	NT	NT	NT	NT	NT	NT	NT
RDX	N/A	2.5E+01	1.8E-02	---	0.018	NT	NT	NT	NT	NT	NT	NT	NT
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	NT	NT	NT	NT	NT	NT	NT	NT
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	NT	NT	0.92 U	NT	NT	NT	2.35 B	NT
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	1410	158	348	47.3	131	419	1110	114
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	6.96	0.059 U	0.61 J	NT	NT	0.11 B	0.062 U	NT
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	NT	NT	3.64 J	NT	NT	NT	10.9	NT
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	NT	NT	7.83 J	NT	NT	NT	16	NT
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	NT	NT	29.6 J	NT	NT	NT	34.2	NT
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	NT	NT	0.53 J	NT	NT	NT	0.22 J	NT
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	NT	NT	5.91 B	NT	NT	NT	9.84	NT
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	NT	NT	36.4 J	NT	NT	NT	93.1	NT
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	NT	NT	NT	NT	NT	NT	NT	NT
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT	NT
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	NT	NT	NT	NT	NT	NT	NT	NT
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	NT	NT	NT	NT	NT	NT	NT	NT
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	NT	NT	NT	NT	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	(EXCAVATED) AOC64-P14 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P14 0.0-0.5 06/23/2009 Normal (mg/kg)	(EXCAVATED) AOC64-P15 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P15 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P16 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P17 0.0-0.5 01/08/2009 Normal (mg/kg)	AOC64-P18 0.0-0.5 01/21/2009 Normal (mg/kg)	AOC64-P19 3.0-3.5 06/23/2009 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>Soil_{Ing}</small>		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	NT	NT	NT	NT	NT	NT	NT	NT
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	NT	NT	NT	NT	NT	NT	NT	NT
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	NT	NT	NT	NT	NT
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	NT	NT	NT	NT	NT	NT	NT	NT
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	NT	NT	NT	NT	NT	NT	NT	NT
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	NT	NT	NT	NT	NT	NT	NT	NT
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	NT	NT	NT	NT	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	NT	NT	NT	NT	NT	NT	NT	NT
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	NT	NT	NT	NT	NT	NT	NT	NT
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	NT	NT	NT	NT	NT	NT	NT	NT
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	NT	NT	NT	NT	NT	NT	NT	NT
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	NT	NT	NT	NT	NT	NT	NT	NT
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	NT	NT	NT	NT	NT	NT	NT	NT
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	NT	NT	NT	NT	NT	NT	NT	NT
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	NT	NT	NT	NT	NT	NT	NT	NT
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	NT	NT	NT	NT	NT	NT	NT	NT
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	NT	NT	NT	NT	NT	NT	NT	NT
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	NT	NT	NT	NT	NT	NT	NT	NT
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	NT	NT	NT	NT	NT	NT	NT	NT
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	NT	NT	NT	NT	NT	NT	NT	NT
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	NT	NT	NT	NT	NT	NT	NT	NT
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	NT	NT	NT	NT	NT	NT	NT	NT
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	NT	NT	NT	NT	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	(EXCAVATED) AOC64-P14 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P14 0.0-0.5 06/23/2009 Normal (mg/kg)	(EXCAVATED) AOC64-P15 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P15 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P16 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P17 0.0-0.5 01/08/2009 Normal (mg/kg)	AOC64-P18 0.0-0.5 01/21/2009 Normal (mg/kg)	AOC64-P19 3.0-3.5 06/23/2009 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	NT	NT	NT	NT	NT	NT	NT	NT
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	NT	NT	NT	NT	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	NT	NT	NT	NT	NT	NT	NT	NT
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	NT	NT	NT	NT	NT	NT	NT	NT
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	NT	NT	NT	NT	NT	NT	NT	NT
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	NT	NT	NT	NT	NT	NT	NT	NT
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	NT	NT	NT	NT	NT	NT	NT	NT
Phenol	N/A	1.6E+03	9.2E+00	---	9.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	NT	NT	NT	NT	NT	NT	NT	NT
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	NT	NT	NT	NT	NT	NT	NT	NT
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	NT	NT	NT	NT	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	NT	NT	NT	NT	NT	NT	NT	NT
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	NT	NT	NT	NT	NT	NT	NT	NT
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	NT	NT	NT	NT	NT
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	NT	NT	NT	NT	NT	NT	NT	NT
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT	NT
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	NT	NT	NT	NT	NT	NT	NT	NT
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	NT	NT	NT	NT	NT	NT	NT	NT
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	NT	NT	NT	NT	NT	NT	NT	NT
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	NT	NT	NT	NT	NT	NT	NT	NT
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	NT	NT	NT	NT	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	(EXCAVATED) AOC64-P14 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P14 0.0-0.5 06/23/2009 Normal (mg/kg)	(EXCAVATED) AOC64-P15 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P15 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P16 0.0-0.5 06/15/2007 Normal (mg/kg)	AOC64-P17 0.0-0.5 01/08/2009 Normal (mg/kg)	AOC64-P18 0.0-0.5 01/21/2009 Normal (mg/kg)	AOC64-P19 3.0-3.5 06/23/2009 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>gw Soil_{Ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>gw Soil_{Ing}</small>		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	NT	NT	NT	NT	NT	NT	NT	NT
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	NT	NT	NT	NT	NT	NT	NT	NT
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	NT	NT	NT	NT	NT	NT	NT	NT
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	NT	NT	NT	NT	NT	NT	NT	NT
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	NT	NT	NT	NT	NT	NT	NT	NT
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	NT	NT	NT	NT	NT	NT	NT	NT
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	NT	NT	NT	NT	NT	NT	NT	NT
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	NT	NT	NT	NT	NT	NT	NT	NT
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	NT	NT	NT	NT	NT	NT	NT	NT
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	NT	NT	NT	NT	NT	NT	NT	NT
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	NT	NT	NT	NT	NT	NT	NT	NT
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	NT	NT	NT	NT	NT	NT	NT	NT
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	NT	NT	NT	NT	NT	NT	NT	NT
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	NT	NT	NT	NT	NT	NT	NT	NT
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	NT	NT	NT	NT	NT	NT	NT	NT
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	NT	NT	NT	NT	NT	NT	NT	NT
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	NT	NT	NT	NT	NT
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	NT	NT	NT	NT	NT	NT	NT	NT
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	NT	NT	NT	NT	NT	NT	NT	NT
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	NT	NT	NT	NT	NT	NT	NT	NT
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	NT	NT	NT	NT	NT	NT	NT	NT
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	NT	NT	NT	NT	NT	NT	NT	NT
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	NT	NT
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	NT	NT	NT	NT	NT	NT	NT	NT
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	NT	NT	NT	NT	NT	NT	NT	NT
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	NT	NT	NT	NT	NT	NT	NT	NT
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	NT	NT	NT	NT	NT	NT	NT	NT

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Cmb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Critical PCL ⁴ (mg/kg)	AOC64-P20 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P21 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P22 0.0-0.5 02/10/2011 Normal (mg/kg)	AOC64-P22 1.0-1.5 04/21/2011 Duplicate (mg/kg)	AOC64-P22 1.0-1.5 04/21/2011 Duplicate (mg/kg)	AOC64-P23 0.0-0.5 04/21/2011 Normal (mg/kg)	AOC64-SW1 1.0-1.5 12/08/2008 Normal (mg/kg)	AOC64-SW2 4.0-4.5 12/08/2008 Normal (mg/kg)
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	NT	NT	NT	NT	NT	NT	0.0453 U	0.0459 U
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	NT	NT	NT	NT	NT	NT	0.0263 U	0.0267 U
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	NT	NT	NT	NT	NT	NT	0.0777 U	0.0789 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	NT	NT	NT	NT	NT	NT	0.0486 U	0.0493 U
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	NT	NT	NT	NT	NT	NT	0.0888 U	0.0901 U
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	NT	NT	NT	NT	NT	NT	0.0265 U	0.0269 U
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	NT	NT	NT	NT	NT	NT	0.0885 U	0.0898 U
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	NT	NT	NT	NT	NT	NT	0.0537 U	0.0545 U
HMX	N/A	2.0E+02	1.2E+00	---	1.172	NT	NT	NT	NT	NT	NT	0.0384 U	0.039 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	NT	NT	NT	NT	NT	NT	0.0263 U	0.0267 U
RDX	N/A	2.5E+01	1.8E-02	---	0.018	NT	NT	NT	NT	NT	NT	0.0408 U	0.0414 U
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	NT	NT	NT	NT	NT	NT	0.12 U	0.121 U
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	NT	NT	NT	NT	NT	NT	6.8 B	4.39 B
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	33.2	58.3	114 M	NT	NT	NT	65.1 M	69.8 M
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	NT	0.062 U	NT	NT	NT	NT	0.091 B	0.059 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	NT	NT	NT	NT	NT	NT	12.9	12.6
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	NT	NT	NT	NT	NT	NT	9.03	7.11
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	NT	NT	NT	NT	NT	NT	8.83	9.98
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	NT	NT	2.00	0.15	0.26	0.09	0.0046 U	0.0047 U
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	NT	NT	NT	NT	NT	NT	9.77	8.81
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	NT	NT	NT	NT	NT	NT	16.7 M	25.9 M
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	NT	NT	NT	NT	NT	NT	NT	NT
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	NT	NT	NT	NT	NT	NT	0.176 U	0.179 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	NT	NT	NT	0.176 U	0.179 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	NT	NT	NT	0.176 U	0.179 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	0.176 U	0.179 U
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	NT	NT	NT	NT	NT	NT	0.00649 U	0.00659 U
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	NT	NT	NT	NT	NT	NT	0.00607 U	0.00616 U
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	NT	NT	NT	NT	NT	NT	0.00852 U	0.00865 U
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	NT	NT	NT	NT	NT	NT	0.0101 U	0.0102 U
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	0.0843 U	0.0856 U
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	NT	NT	NT	NT	NT	NT	0.119 U	0.121 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	NT	NT	NT	NT	NT	NT	0.0388 U	0.0394 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Critical PCL ⁴ (mg/kg)	AOC64-P20 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P21 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P22 0.0-0.5 02/10/2011 Normal (mg/kg)	AOC64-P22 1.0-1.5 04/21/2011 Duplicate (mg/kg)	AOC64-P22 1.0-1.5 04/21/2011 Duplicate (mg/kg)	AOC64-P23 0.0-0.5 04/21/2011 Normal (mg/kg)	AOC64-SW1 1.0-1.5 12/08/2008 Normal (mg/kg)	AOC64-SW2 4.0-4.5 12/08/2008 Normal (mg/kg)
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	NT	NT	NT	NT	NT	NT	0.0374 U	0.038 U
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	NT	NT	NT	NT	NT	NT	0.00864 U	0.00877 U
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	NT	NT	NT	NT	NT	NT	0.0146 U	0.0148 U
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	NT	NT	NT	NT	NT	NT	0.0118 U	0.012 U
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	NT	NT	NT	NT	NT	NT	0.0149 U	0.0151 U
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	NT	NT	NT	0.00849 U	0.00861 U
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	NT	NT	NT	NT	NT	NT	0.0114 U	0.0116 U
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	NT	NT	NT	NT	NT	NT	0.0116 U	0.0118 U
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	NT	NT	NT	NT	NT	NT	0.111 U	0.113 U
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	NT	NT	NT	NT	NT	NT	0.0417 U	0.0424 U
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	NT	NT	NT	NT	NT	NT	0.11 U	0.112 U
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	NT	NT	NT	NT	NT	NT	0.0122 U	0.0123 U
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	NT	NT	NT	NT	NT	NT	0.00906 U	0.00919 U
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	NT	NT	NT	NT	NT	NT	0.00761 U	0.00772 U
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	NT	NT	NT	NT	NT	NT	0.00577 U	0.00586 U
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	NT	NT	NT	NT	NT	NT	0.0394 U	0.04 U
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	NT	NT	NT	NT	NT	NT	0.011 U	0.0112 U
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	NT	NT	NT	NT	NT	NT	0.0102 U	0.0104 U
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	NT	NT	NT	NT	NT	NT	0.00448 U	0.00455 U
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	NT	NT	NT	NT	NT	NT	0.00517 U	0.00525 U
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	NT	NT	NT	NT	NT	NT	0.0248 U	0.0252 U
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	NT	NT	NT	NT	NT	NT	0.0237 U	0.024 U
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	NT	NT	NT	NT	NT	NT	0.0312 U	0.0316 U
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	NT	NT	NT	NT	NT	NT	0.0227 U	0.0231 U
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	NT	NT	NT	NT	NT	NT	0.00991 U	0.0101 U
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	NT	NT	NT	NT	NT	NT	0.00982 U	0.00996 U
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	NT	NT	NT	NT	NT	NT	0.152 U	0.154 U
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	NT	NT	NT	NT	NT	NT	0.0779 U	0.0791 U
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	NT	NT	NT	NT	NT	NT	0.0243 U	0.0247 U
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	NT	NT	NT	NT	NT	NT	0.0144 U	0.0146 U
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	NT	NT	NT	NT	NT	NT	0.00894 U	0.00907 U
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	NT	NT	NT	NT	NT	NT	0.0198 U	0.0201 U
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	NT	NT	NT	NT	NT	NT	0.00959 U	0.00973 U
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	NT	NT	NT	NT	NT	NT	0.129 U	0.131 U
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	NT	NT	NT	NT	NT	NT	0.00921 U	0.00934 U
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	NT	NT	NT	NT	NT	NT	0.0195 J	0.0141 U
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	NT	NT	NT	NT	NT	NT	0.025 U	0.0254 U
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	NT	NT	NT	NT	NT	NT	0.00606 U	0.00615 U
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	NT	NT	NT	NT	NT	NT	0.00937 U	0.00951 U
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	NT	NT	NT	NT	NT	NT	0.0111 U	0.0113 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Critical PCL ⁴ (mg/kg)	AOC64-P20 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P21 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P22 0.0-0.5 02/10/2011 Normal (mg/kg)	AOC64-P22 1.0-1.5 04/21/2011 Duplicate (mg/kg)	AOC64-P22 1.0-1.5 04/21/2011 Duplicate (mg/kg)	AOC64-P23 0.0-0.5 04/21/2011 Normal (mg/kg)	AOC64-SW1 1.0-1.5 12/08/2008 Normal (mg/kg)	AOC64-SW2 4.0-4.5 12/08/2008 Normal (mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	0.0721 U	0.0732 U
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	NT	NT	NT	NT	NT	NT	0.0598 U	0.0607 U
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	NT	NT	NT	NT	NT	NT	0.176 U	0.179 U
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	NT	NT	NT	NT	NT	NT	0.0534 U	0.0542 U
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	NT	NT	NT	NT	NT	NT	0.0102 U	0.0104 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	NT	NT	NT	0.0874 U	0.0887 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	NT	NT	NT	NT	NT	NT	0.0764 U	0.0776 U
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	NT	NT	NT	NT	NT	NT	0.0142 U	0.0144 U
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	NT	NT	NT	NT	NT	NT	0.00779 U	0.00791 U
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	NT	NT	NT	NT	NT	NT	0.0213 U	0.0217 U
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	NT	NT	NT	NT	NT	NT	0.00824 U	0.00837 U
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	NT	NT	NT	NT	NT	NT	0.00951 U	0.00965 U
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	NT	NT	NT	NT	NT	NT	0.0101 U	0.0103 U
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	NT	NT	NT	NT	NT	NT	0.000114 U	0.000103 U
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	NT	NT	NT	NT	NT	NT	0.000065 U	0.000059 U
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	NT	NT	NT	NT	NT	NT	0.000127 U	0.000116 U
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	NT	NT	NT	NT	NT	NT	0.000165 U	0.000149 U
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	NT	NT	NT	NT	NT	NT	0.000089 U	0.00008 U
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	NT	NT	NT	NT	NT	NT	0.000114 U	0.000103 U
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	NT	NT	NT	NT	NT	NT	0.000132 U	0.000119 U
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	NT	NT	NT	NT	NT	NT	0.000462 U	0.000419 U
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	NT	NT	NT	NT	NT	NT	0.000132 U	0.00012 U
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	NT	NT	NT	NT	NT	NT	0.000348 U	0.000316 U
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	NT	NT	NT	NT	NT	NT	0.00008 U	0.000073 U
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	NT	NT	NT	NT	NT	NT	0.000453 U	0.000411 U
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	NT	NT	NT	NT	NT	NT	0.000132 U	0.00012 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	NT	NT	NT	0.000136 U	0.000124 U
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	NT	NT	NT	NT	NT	NT	0.000128 U	0.000116 U
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	NT	NT	NT	0.000146 U	0.000132 U
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	NT	NT	NT	NT	NT	NT	0.000107 U	0.000097 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	NT	NT	NT	0.00013 U	0.000118 U
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	NT	NT	NT	NT	NT	NT	0.000085 U	0.000077 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	0.000186 U	0.000169 U
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	NT	NT	NT	NT	NT	NT	0.000143 U	0.00013 U
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	NT	NT	NT	NT	NT	NT	0.000166 U	0.000151 U
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	NT	NT	NT	NT	NT	NT	0.000097 U	0.000088 U
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	NT	NT	NT	NT	NT	NT	0.000141 U	0.000128 U
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	NT	NT	NT	NT	NT	NT	0.00763	0.00125

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	TRRP Residential Tier 1 PCL ³ 30-Acre Source <small>gw Soil_{ing}</small>	TRRP Residential Tier 2 PCL ³ 30-Acre Source <small>gw Soil_{ing}</small>	Critical PCL ⁴ (mg/kg)	AOC64-P20 2.0-2.5 06/23/2009 Normal (mg/kg)	AOC64-P21 0.0-0.5 06/23/2009 Normal (mg/kg)	AOC64-P22 0.0-0.5 02/10/2011 Normal (mg/kg)	AOC64-P22 1.0-1.5 04/21/2011 Duplicate (mg/kg)	AOC64-P22 1.0-1.5 04/21/2011 Duplicate (mg/kg)	AOC64-P23 0.0-0.5 04/21/2011 Normal (mg/kg)	AOC64-SW1 1.0-1.5 12/08/2008 Normal (mg/kg)	AOC64-SW2 4.0-4.5 12/08/2008 Normal (mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	NT	NT	NT	NT	NT	NT	0.000147 U	0.000133 U
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	NT	NT	NT	NT	NT	NT	0.000158 U	0.000144 U
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	NT	NT	NT	NT	NT	NT	0.000118 U	0.000107 U
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	NT	NT	NT	NT	NT	NT	0.00124 U	0.00113 U
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	NT	NT	NT	NT	NT	NT	0.000063 U	0.000057 U
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	NT	NT	NT	NT	NT	NT	0.000119 U	0.000108 U
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	NT	NT	NT	NT	NT	NT	0.000426 U	0.000387 U
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	NT	NT	NT	NT	NT	NT	0.000074 U	0.000067 U
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	NT	NT	NT	NT	NT	NT	0.000112 U	0.000102 U
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	NT	NT	NT	NT	NT	NT	0.000083 U	0.000075 U
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	NT	NT	NT	NT	NT	NT	0.00018 U	0.000163 U
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	NT	NT	NT	NT	NT	NT	0.000198 U	0.00018 U
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	NT	NT	NT	NT	NT	NT	0.000105 U	0.000095 U
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	NT	NT	NT	NT	NT	NT	0.00134 J	0.000404 J
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	0.000342 U	0.000311 U
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	NT	NT	NT	NT	NT	NT	0.000138 U	0.000125 U
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	NT	NT	NT	NT	NT	NT	0.00185 J	0.000522 J
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	NT	NT	NT	NT	NT	NT	0.000762 U	0.000691 U
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	NT	NT	NT	NT	NT	NT	0.000199 U	0.00018 U
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	NT	NT	NT	NT	NT	NT	0.000103 U	0.000094 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	NT	NT	NT	0.000479 U	0.000434 U
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	NT	NT	NT	NT	NT	NT	0.000195 U	0.000177 U
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	NT	NT	NT	NT	NT	NT	0.000108 U	0.000098 U
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	NT	NT	NT	NT	NT	NT	0.00069 J	0.000267 J
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	NT	NT	NT	NT	NT	NT	0.000084 U	0.000076 U
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	NT	NT	NT	NT	NT	NT	0.000121 U	0.00011 U
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	NT	NT	NT	NT	NT	NT	0.000128 U	0.000116 U
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	NT	NT	NT	NT	NT	NT	0.000148 U	0.000135 U
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	NT	NT	NT	NT	NT	NT	0.000077 U	0.00007 U
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	NT	NT	NT	NT	NT	NT	0.00653	0.00115 J
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	NT	NT	NT	NT	NT	NT	0.000099 U	0.00009 U
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	NT	NT	NT	NT	NT	NT	0.000091 U	0.000082 U
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	NT	NT	NT	NT	NT	NT	0.000161 U	0.000146 U
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	NT	NT	NT	NT	NT	NT	0.000196 U	0.000178 U
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	NT	NT	NT	NT	NT	NT	0.000086 U	0.000078 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Inq}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Inq}	Critical PCL ⁴ (mg/kg)	AOC64-SW3 2.5-3.0 12/08/2008 Normal (mg/kg)	AOC64-SW3 2.5-3.0 12/08/2008 Duplicate (mg/kg)	AOC64-SW4 2.5-3.0 12/08/2008 Normal (mg/kg)	AOC64-SW5 1.0-1.5 12/08/2008 Normal (mg/kg)	AOC64-SW6 0.5-1.0 12/08/2008 Normal (mg/kg)	AOC64-SW7 3.0-3.5 12/15/2008 Normal (mg/kg)	AOC64-SW8 1.5-2.0 12/15/2008 Normal (mg/kg)	AOC64-SW9 2.5-3.0 12/15/2008 Normal (mg/kg)
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	0.0464 U	0.0444 U	0.0443 U	0.0443 U	0.0456 U	0.0449 U	0.0457 U	0.0449 U
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	0.0269 U	0.0258 U	0.0257 U	0.0257 U	0.0265 U	0.0261 U	0.0265 U	0.026 U
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	0.0796 U	0.0762 U	0.0761 U	0.0761 U	0.0783 U	0.0771 U	0.0785 U	0.077 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	0.0498 U	0.0476 U	0.0476 U	0.0475 U	0.0489 U	0.0482 U	0.0491 U	0.0481 U
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	0.091 U	0.0871 U	0.087 U	0.0869 U	0.0895 U	0.0882 U	0.0898 U	0.088 U
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	0.0271 U	0.026 U	0.0259 U	0.0259 U	0.0267 U	0.0263 U	0.0268 U	0.0262 U
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	0.0907 U	0.0868 U	0.0867 U	0.0866 U	0.0891 U	0.0878 U	0.0894 U	0.0877 U
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	0.055 U	0.0527 U	0.0526 U	0.0526 U	0.0541 U	0.0533 U	0.0543 U	0.0532 U
HMX	N/A	2.0E+02	1.2E+00	---	1.172	0.0394 U	0.0377 U	0.0377 U	0.0376 U	0.0387 U	0.0382 U	0.0388 U	0.0381 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	0.0269 U	0.0258 U	0.0257 U	0.0257 U	0.0265 U	0.0261 U	0.0265 U	0.026 U
RDX	N/A	2.5E+01	1.8E-02	---	0.018	0.0418 U	0.04 U	0.0399 U	0.0399 U	0.0411 U	0.0405 U	0.0412 U	0.0404 U
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	0.122 U	0.117 U	0.117 U	0.117 M	0.12 U	0.119 U	0.121 U	0.119 U
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	5.33 B	6.04 B	4.73 B	4.43 B	1.87 B	1.82 B	3.12 B	2.48 B
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	63.2 M	299 M	87.4 M	69.5 M	42.3 M	34.6	77.8	9.6
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.06 U	0.64 B	0.058 U	0.057 U	0.099 B	0.058 U	0.059 U	0.058 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	12	9.66	14.9	11.4	8.99	7.99 M	11.9 M	2.87 M
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	7.57	9.09	11.6	8.16	6.16	1.06 B	2.55	0.37 U
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	8.24	11.8	11.5	8.68	6.42	3.51	5.59	1.59 B
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	0.0047 U	0.025	0.0043 B	0.0058 B	0.0045 U	0.56	0.36	0.46
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	8.11 B	7.48 B	10.5	8.14 B	6.72 B	6.13 B	9.62	2.93 B
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	8.17 M	39.6 M	20.9 M	39.8 M	33.5 M	10.5 M	13.4 M	3.33 M
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	NT	NT	NT	NT	NT	NT	NT	NT
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	0.182 U	0.174 U	0.172 U	0.175 U	0.179 U	0.176 U	0.18 U	0.176 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.182 U	0.174 U	0.172 U	0.175 U	0.179 U	0.176 U	0.18 U	0.176 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.182 U	0.174 U	0.172 U	0.175 U	0.179 U	0.176 U	0.18 U	0.176 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.182 U	0.174 U	0.172 U	0.175 U	0.179 U	0.176 U	0.18 U	0.176 U
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	0.00669 U	0.00641 U	0.00634 U	0.00642 U	0.00658 U	0.00648 U	0.00662 U	0.00648 U
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	0.00626 U	0.00599 U	0.00592 U	0.006 U	0.00615 U	0.00606 U	0.00619 U	0.00605 U
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	0.00879 U	0.00841 U	0.00832 U	0.00842 U	0.00864 U	0.00851 U	0.0087 U	0.0085 U
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	0.0104 U	0.00995 U	0.00984 U	0.00997 U	0.0102 U	0.0101 U	0.0103 U	0.0101 U
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	0.087 U	0.0833 U	0.0823 U	0.0834 U	0.0855 U	0.0843 U	0.0861 U	0.0842 U
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	0.123 U	0.118 U	0.117 U	0.118 M	0.121 U	0.119 U	0.122 U	0.119 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	0.04 U	0.0383 U	0.0379 U	0.0384 U	0.0393 U	0.0388 U	0.0396 U	0.0387 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-SW3 2.5-3.0 12/08/2008 Normal	AOC64-SW3 2.5-3.0 12/08/2008 Duplicate	AOC64-SW4 2.5-3.0 12/08/2008 Normal	AOC64-SW5 1.0-1.5 12/08/2008 Normal	AOC64-SW6 0.5-1.0 12/08/2008 Normal	AOC64-SW7 3.0-3.5 12/15/2008 Normal	AOC64-SW8 1.5-2.0 12/15/2008 Normal	AOC64-SW9 2.5-3.0 12/15/2008 Normal
		Tier 1 PCL ³ 30-Acre Source Tot Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source GW Soil _{Ing}	Tier 2 PCL ³ 30-Acre Source GW Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	0.0386 U	0.0369 U	0.0365 U	0.037 U	0.0379 U	0.0374 U	0.0382 U	0.0373 U
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	0.00892 U	0.00853 U	0.00844 U	0.00855 U	0.00877 U	0.00864 U	0.00882 U	0.00863 U
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	0.015 U	0.0144 U	0.0142 U	0.0144 U	0.0148 U	0.0146 U	0.0149 U	0.0146 U
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	0.0122 U	0.0117 U	0.0116 U	0.0117 U	0.012 U	0.0118 U	0.0121 U	0.0118 U
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	0.0154 U	0.0147 U	0.0145 U	0.0147 U	0.0151 U	0.0149 U	0.0152 U	0.0149 U
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	0.00875 U	0.00838 U	0.00829 U	0.00839 U	0.00861 U	0.00848 U	0.00866 U	0.00847 U
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	0.0118 U	0.0113 U	0.0111 U	0.0113 U	0.0116 U	0.0114 U	0.0117 U	0.0114 U
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	0.012 U	0.0115 U	0.0114 U	0.0115 U	0.0118 U	0.0116 U	0.0119 U	0.0116 U
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	0.114 U	0.11 U	0.108 U	0.11 U	0.113 U	0.111 U	0.113 U	0.111 U
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	0.0431 U	0.0412 U	0.0408 U	0.0413 U	0.0423 U	0.0417 U	0.0426 U	0.0417 U
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	0.113 U	0.109 U	0.107 U	0.109 M	0.111 U	0.11 U	0.112 U	0.11 U
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	0.0125 U	0.012 U	0.0119 U	0.012 U	0.0123 U	0.0121 U	0.0124 U	0.0121 U
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	0.00934 U	0.00894 U	0.00884 U	0.00896 U	0.00918 U	0.00905 U	0.00925 U	0.00904 U
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	0.00785 U	0.00751 U	0.00743 U	0.00752 U	0.00772 U	0.0076 U	0.00777 U	0.00759 U
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	0.00595 U	0.0057 U	0.00563 U	0.00571 U	0.00585 U	0.00577 U	0.00589 U	0.00576 U
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	0.0407 U	0.0389 U	0.0385 U	0.039 U	0.04 U	0.0394 U	0.0402 U	0.0393 U
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	0.0113 U	0.0109 U	0.0107 U	0.0109 U	0.0111 U	0.011 U	0.0112 U	0.011 U
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	0.0106 U	0.0101 U	0.01 U	0.0101 U	0.0104 U	0.0102 U	0.0105 U	0.0102 U
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	0.00462 U	0.00442 U	0.00438 U	0.00443 U	0.00454 U	0.00448 U	0.00457 U	0.00447 U
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	0.00533 U	0.0051 U	0.00505 U	0.00511 U	0.00524 U	0.00516 U	0.00528 U	0.00516 U
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	0.0256 U	0.0245 U	0.0242 U	0.0246 U	0.0252 U	0.0248 U	0.0254 U	0.0248 U
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	0.0244 U	0.0234 U	0.0231 U	0.0234 U	0.024 U	0.0237 U	0.0242 U	0.0236 U
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	0.0322 U	0.0308 U	0.0304 U	0.0308 U	0.0316 U	0.0312 U	0.0318 U	0.0311 U
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	0.0234 U	0.0224 U	0.0222 U	0.0225 M	0.023 U	0.0227 U	0.0232 U	0.0227 U
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	0.0102 U	0.00979 U	0.00968 U	0.0098 U	0.0101 U	0.00991 U	0.0101 U	0.00989 U
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	0.0101 U	0.00969 U	0.00959 U	0.00971 U	0.00996 U	0.00981 U	0.01 U	0.0098 U
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	0.157 U	0.15 U	0.149 U	0.15 U	0.154 U	0.152 U	0.155 U	0.152 U
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	0.0803 U	0.0769 U	0.0761 U	0.077 U	0.079 U	0.0778 U	0.0795 U	0.0777 U
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	0.0251 U	0.024 U	0.0237 U	0.034 J	0.0328 J	0.0243 U	0.0248 U	0.0243 U
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	0.0148 U	0.0142 U	0.014 U	0.0142 U	0.0146 U	0.0144 R	0.0147 R	0.0143 R
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	0.00922 U	0.00883 U	0.00873 U	0.00884 U	0.00907 U	0.00893 U	0.00913 U	0.00892 U
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	0.0204 U	0.0195 U	0.0193 U	0.0195 U	0.02 U	0.0197 U	0.0202 U	0.0197 U
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	0.00989 U	0.00946 U	0.00936 U	0.00948 U	0.00972 U	0.00958 U	0.00978 U	0.00957 U
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	0.133 U	0.127 U	0.126 U	0.127 U	0.131 U	0.129 U	0.132 U	0.129 U
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	0.00949 U	0.00909 U	0.00899 U	0.0091 U	0.00933 U	0.0092 U	0.0094 U	0.00919 U
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	0.0143 U	0.0184 J	0.0135 U	0.0137 U	0.014 U	0.0138 U	0.0141 U	0.0138 U
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	0.0258 U	0.0247 U	0.0245 U	0.0248 U	0.0254 U	0.025 U	0.0256 U	0.025 U
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	0.00625 U	0.00598 U	0.00591 U	0.00599 U	0.00614 U	0.00605 U	0.00618 U	0.00604 U
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	0.00967 U	0.00925 U	0.00915 U	0.00927 U	0.00951 U	0.00937 U	0.00957 U	0.00935 U
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	0.0114 U	0.011 U	0.0108 U	0.011 U	0.0113 U	0.0111 U	0.0113 U	0.0111 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-SW3 2.5-3.0 12/08/2008 Normal	AOC64-SW3 2.5-3.0 12/08/2008 Duplicate	AOC64-SW4 2.5-3.0 12/08/2008 Normal	AOC64-SW5 1.0-1.5 12/08/2008 Normal	AOC64-SW6 0.5-1.0 12/08/2008 Normal	AOC64-SW7 3.0-3.5 12/15/2008 Normal	AOC64-SW8 1.5-2.0 12/15/2008 Normal	AOC64-SW9 2.5-3.0 12/15/2008 Normal
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>GW Soil_{Ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>GW Soil_{Ing}</small>		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.0743 U	0.0712 U	0.0704 U	0.0713 U	0.0731 U	0.072 U	0.0736 U	0.0719 U
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	0.0617 U	0.0591 U	0.0584 U	0.0591 U	0.0607 U	0.0598 U	0.0611 U	0.0597 U
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	0.182 U	0.174 U	0.172 U	0.175 U	0.179 U	0.176 U	0.18 U	0.176 U
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	0.055 U	0.0527 U	0.0521 U	0.0528 U	0.0541 U	0.0533 U	0.0545 U	0.0533 U
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	0.0106 U	0.0101 U	0.01 U	0.0101 U	0.0104 U	0.0102 U	0.0105 U	0.0102 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.0901 U	0.0863 U	0.0853 U	0.0864 U	0.0886 U	0.0873 U	0.0892 U	0.0872 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	0.0788 U	0.0754 U	0.0746 U	0.0756 U	0.0775 U	0.0764 U	0.078 U	0.0763 U
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	0.0146 U	0.014 U	0.0138 U	0.014 U	0.0144 U	0.0142 U	0.0145 U	0.0141 U
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	0.00803 U	0.00769 U	0.00761 U	0.0077 U	0.0079 U	0.00778 U	0.00795 U	0.00777 U
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	0.022 U	0.0211 U	0.0208 U	0.0211 U	0.0216 U	0.0213 U	0.0218 U	0.0213 U
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	0.0085 U	0.00814 U	0.00805 U	0.00815 U	0.00836 U	0.00824 U	0.00841 U	0.00823 U
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	0.00981 U	0.00939 U	0.00929 U	0.0094 U	0.00965 U	0.0095 U	0.00971 U	0.00949 U
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	0.0104 U	0.00998 U	0.00988 U	0.01 U	0.0103 U	0.0101 U	0.0103 U	0.0101 U
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	0.000122 U	0.000128 U	0.000144 U	0.000144 U	0.000105 U	0.000135 U	0.000128 U	0.000733 U
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	0.00007 U	0.000073 U	0.000082 U	0.000083 U	0.00006 U	0.000077 U	0.000073 U	0.00419 U
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	0.000136 U	0.000144 U	0.000161 U	0.000162 U	0.000117 U	0.000151 U	0.000143 U	0.00821 U
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	0.000176 U	0.000186 U	0.000208 U	0.000209 U	0.000152 U	0.000195 U	0.000185 U	0.0106 U
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	0.000095 U	0.0001 U	0.000112 U	0.000113 U	0.000082 U	0.000105 U	0.0001 U	0.00571 U
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	0.000122 U	0.000129 U	0.000144 U	0.000145 U	0.000105 U	0.000135 U	0.000128 U	0.00734 U
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	0.000141 U	0.000149 U	0.000167 U	0.000167 U	0.000121 U	0.000156 U	0.000148 U	0.00848 U
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	0.000494 U	0.000522 U	0.000585 U	0.000586 M	0.000426 U	0.000547 U	0.000519 U	0.0298 U
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	0.000141 U	0.000149 U	0.000167 U	0.000167 U	0.000122 U	0.000156 U	0.000148 U	0.0085 R
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	0.000372 U	0.000393 U	0.000441 U	0.000442 M	0.000321 U	0.000413 U	0.000391 U	0.0224 U
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	0.000086 U	0.00009 U	0.000101 U	0.000102 U	0.000074 U	0.000095 U	0.00009 U	0.00516 U
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	0.000484 U	0.000512 U	0.000574 U	0.000575 U	0.000418 U	0.000537 U	0.000509 U	0.0292 U
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	0.000141 U	0.000149 U	0.000167 U	0.000167 U	0.000122 U	0.000156 U	0.000148 U	0.00849 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.000146 U	0.000154 U	0.000173 U	0.000173 U	0.000126 U	0.000162 U	0.000153 U	0.00879 U
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	0.000136 U	0.000144 U	0.000162 U	0.000162 U	0.000118 U	0.000151 U	0.000143 U	0.00822 U
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	0.000156 U	0.000164 U	0.000184 U	0.000185 U	0.000134 U	0.000172 U	0.000163 U	0.00938 U
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	0.000114 U	0.000121 U	0.000135 U	0.000136 U	0.000099 U	0.000127 U	0.00012 U	0.00689 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.000139 U	0.000147 U	0.000165 U	0.000165 U	0.00012 U	0.000154 U	0.000146 U	0.00837 U
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	0.000091 U	0.000096 U	0.000107 U	0.000108 U	0.000078 U	0.0001 U	0.000095 U	0.00546 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.000199 U	0.00021 U	0.000236 U	0.000236 U	0.000172 U	0.00022 U	0.000209 U	0.012 U
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	0.000153 U	0.000162 U	0.000182 U	0.000182 U	0.000132 U	0.00017 U	0.000161 U	0.00924 U
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	0.000177 U	0.000187 U	0.00021 U	0.000211 U	0.000153 U	0.000197 R	0.000186 R	0.0107 U
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	0.000104 U	0.00011 U	0.000123 U	0.000123 U	0.00009 U	0.000115 U	0.000109 U	0.00627 U
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	0.000151 U	0.000159 U	0.000178 U	0.000179 U	0.00013 U	0.000167 U	0.000158 U	0.00907 U
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	0.00238 J	0.00683 J	0.003	0.00993 M	0.00202	0.000847 J	0.0017	0.00729 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-SW3 2.5-3.0 12/08/2008 Normal	AOC64-SW3 2.5-3.0 12/08/2008 Duplicate	AOC64-SW4 2.5-3.0 12/08/2008 Normal	AOC64-SW5 1.0-1.5 12/08/2008 Normal	AOC64-SW6 0.5-1.0 12/08/2008 Normal	AOC64-SW7 3.0-3.5 12/15/2008 Normal	AOC64-SW8 1.5-2.0 12/15/2008 Normal	AOC64-SW9 2.5-3.0 12/15/2008 Normal
		Tier 1 PCL ³ 30-Acre Source Tot ^{Soil_{Comb}}	Tier 1 PCL ³ 30-Acre Source gw ^{Soil_{Ing}}	Tier 2 PCL ³ 30-Acre Source gw ^{Soil_{Ing}}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	0.000157 U	0.000166 U	0.000186 U	0.000186 U	0.000135 U	0.000174 U	0.000165 U	0.000945 U
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	0.000169 U	0.000179 U	0.0002 U	0.000201 U	0.000146 U	0.000187 U	0.000178 U	0.0102 U
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	0.000126 U	0.000134 U	0.00015 U	0.00015 U	0.000109 U	0.00014 U	0.000133 U	0.00762 U
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	0.00133 U	0.0014 U	0.00157 U	0.00158 U	0.00114 U	0.00147 U	0.00139 U	0.08 U
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	0.000067 U	0.000071 U	0.00008 U	0.00008 U	0.000058 U	0.000074 U	0.000071 U	0.00404 U
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	0.000127 U	0.000135 U	0.000151 U	0.000151 U	0.00011 U	0.000141 U	0.000134 U	0.00768 U
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	0.000455 U	0.000481 U	0.00054 U	0.000541 U	0.000393 U	0.000505 U	0.000479 U	0.0274 U
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	0.000079 U	0.000083 U	0.000093 U	0.000094 U	0.000068 U	0.000087 U	0.000083 U	0.00475 U
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	0.00012 U	0.000127 U	0.000142 U	0.000142 U	0.000103 U	0.000133 U	0.000126 U	0.00722 U
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	0.000089 U	0.000094 U	0.000105 U	0.000105 U	0.000077 U	0.000098 U	0.000093 U	0.00535 U
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	0.000192 U	0.000203 U	0.000228 U	0.000228 U	0.000166 U	0.000213 U	0.000202 U	0.0116 U
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	0.000212 U	0.000224 U	0.000251 U	0.000252 U	0.000183 U	0.000235 U	0.000223 U	0.0128 U
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	0.000112 U	0.000118 U	0.000132 U	0.000133 U	0.000096 U	0.000124 U	0.000117 U	0.00674 U
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	0.000619 J	0.00172 J	0.00111 J	0.00223 J	0.000863 J	0.000501 J	0.000843 J	0.0117 U
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.000366 U	0.000387 U	0.000434 U	0.000434 M	0.000316 U	0.000405 U	0.000384 U	0.022 U
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	0.000147 U	0.000156 U	0.000175 U	0.000175 U	0.000127 U	0.000163 U	0.000155 U	0.00888 U
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	0.000642 J	0.00187 J	0.00143 J	0.00233 J	0.000581 J	0.000645 U	0.00079 J	0.0351 U
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	0.000814 U	0.00086 U	0.000965 U	0.000967 U	0.000702 U	0.000902 U	0.000856 U	0.0491 U
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	0.000212 U	0.000224 U	0.000252 U	0.000252 U	0.000183 U	0.000235 R	0.000223 R	0.0128 U
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	0.00011 U	0.000117 U	0.000131 U	0.000131 U	0.000095 U	0.000122 U	0.000116 U	0.00666 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.000511 U	0.00054 U	0.000606 U	0.000607 M	0.000441 U	0.000567 U	0.000537 U	0.192 R
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	0.000209 U	0.000221 U	0.000247 U	0.000248 U	0.00018 U	0.000231 U	0.000219 U	0.0126 U
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	0.000116 U	0.000122 U	0.000137 U	0.000138 U	0.0001 U	0.000128 U	0.000122 U	0.00698 U
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	0.000141 U	0.000751 J	0.000733 J	0.00101 J	0.000246 J	0.000188 J	0.000652 J	0.00853 U
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	0.00009 U	0.000095 U	0.000107 U	0.000107 U	0.000078 U	0.0001 U	0.000095 U	0.00543 U
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	0.000129 U	0.000137 U	0.000153 U	0.000153 U	0.000111 U	0.000143 U	0.000136 U	0.00779 U
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	0.000137 U	0.000145 U	0.000162 U	0.000163 U	0.000118 U	0.000152 U	0.000144 U	0.131
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	0.000159 U	0.000167 U	0.000188 U	0.000188 U	0.000137 U	0.000176 R	0.000167 R	0.00955 U
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	0.000082 U	0.000087 U	0.000097 U	0.000097 U	0.000071 U	0.000091 U	0.000086 U	0.00494 U
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	0.00213 J	0.00651	0.00388	0.00891	0.0018 J	0.00109 J	0.00119 J	0.0104 U
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	0.000106 U	0.000112 U	0.000126 U	0.000126 U	0.000092 U	0.000118 U	0.000112 U	0.0064 U
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	0.000097 U	0.000102 U	0.000115 U	0.000115 U	0.000084 U	0.000107 U	0.000102 U	0.00584 U
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	0.000172 U	0.000181 U	0.000203 U	0.000204 U	0.000148 U	0.00019 U	0.00018 U	0.0103 U
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	0.000209 U	0.000221 U	0.000248 U	0.000249 U	0.000181 U	0.000232 U	0.00022 U	0.0126 U
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	0.000092 U	0.000098 U	0.000109 U	0.00011 U	0.00008 U	0.000102 U	0.000097 U	0.00556 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Critical PCL ⁴ (mg/kg)	AOC64-SW10 1.5-2.0 12/15/2008 Normal (mg/kg)	AOC64-SW11 1.0-1.5 12/15/2008 Normal (mg/kg)	AOC64-SW12 0.5-1.0 12/15/2008 Normal (mg/kg)	AOC64-SW13 1.0-1.5 12/15/2008 Normal (mg/kg)	AOC64-SW14 1.5-2.0 12/15/2008 Normal (mg/kg)	AOC64-SW15 1.5-2.0 12/15/2008 Normal (mg/kg)	AOC64-SW16 2.5-3.0 12/15/2008 Normal (mg/kg)	AOC64-SW17 2.5-3.0 12/15/2008 Normal (mg/kg)
Explosives													
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	0.045 U	0.0443 U	0.0453 U	0.0456 U	0.046 U	0.0462 U	0.0459 U	0.0462 U
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	0.0261 U	0.0257 U	0.0263 U	0.0264 U	0.0267 U	0.0268 U	0.0266 U	0.0268 U
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	0.0773 U	0.0761 U	0.0777 U	0.0783 U	0.0789 M	0.0793 U	0.0788 U	0.0793 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	0.0483 U	0.0476 U	0.0486 U	0.0489 U	0.0493 U	0.0496 U	0.0492 U	0.0495 U
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	0.0884 U	0.087 U	0.0888 U	0.0894 U	0.0902 U	0.0906 U	0.09 U	0.0906 U
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	0.0263 U	0.0259 U	0.0265 U	0.0267 U	0.0269 U	0.027 U	0.0268 U	0.027 U
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	0.088 U	0.0867 U	0.0885 U	0.0891 U	0.0899 U	0.0903 U	0.0897 U	0.0903 U
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	0.0534 U	0.0526 U	0.0537 U	0.0541 U	0.0545 U	0.0548 U	0.0544 U	0.0548 U
HMX	N/A	2.0E+02	1.2E+00	---	1.172	0.0382 U	0.0376 U	0.0385 U	0.0387 U	0.039 U	0.0392 U	0.039 U	0.0392 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	0.0261 U	0.0257 U	0.0263 U	0.0264 U	0.0267 U	0.0268 U	0.0266 U	0.0268 U
RDX	N/A	2.5E+01	1.8E-02	---	0.018	0.0406 U	0.0399 U	0.0408 U	0.0411 U	0.0414 U	0.0416 U	0.0413 U	0.0416 U
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	0.119 U	0.117 U	0.12 U	0.12 U	0.121 U	0.122 U	0.121 U	0.122 U
Metals													
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	1.94 B	1.52 B	2.71 U	1.47 B	2.62 B	1.38 U	1.36 U	3.21 B
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	135	38.7	491	53.5	195	31.4	197	121
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.058 U	0.057 U	0.12 U	0.059 U	0.06 U	0.06 U	0.059 U	0.059 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	5.3 M	8.66 M	3.59 M	8.75 M	11.3 M	4.36 M	16.2 M	13.7 M
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	1.25 B	0.37 U	1.91 B	0.48 B	4.45	4.09	10.4	4.37
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	2.89 B	3.3	2.52 B	4.23	8.59	4.99	19.3	7.67
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	0.13	0.23	0.11	0.19	0.056	0.05	0.08	0.089
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	6.44 B	6.22 B	3.77 B	6.28 B	5.82 B	3.65 B	11.5	10.1
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	7.14 M	9.73 M	7.61 M	11.9 M	9.52 M	33.8 M	60.9 M	26.5 M
Perchlorate													
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	NT	NT	NT	NT	NT	NT	NT	NT
SVOCs													
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	0.177 U	0.174 U	0.177 U	0.177 U	0.18 U	0.182 U	0.179 U	0.179 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.177 U	0.174 U	0.177 U	0.177 U	0.18 U	0.182 U	0.179 U	0.179 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.177 U	0.174 U	0.177 U	0.177 U	0.18 U	0.182 U	0.179 U	0.179 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.177 U	0.174 U	0.177 U	0.177 U	0.18 U	0.182 U	0.179 U	0.179 U
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	0.0065 U	0.0064 U	0.00651 U	0.00651 U	0.00661 U	0.00669 U	0.00658 U	0.0066 U
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	0.00608 U	0.00598 U	0.00609 U	0.00609 U	0.00618 U	0.00625 U	0.00615 U	0.00617 U
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	0.00853 U	0.0084 U	0.00855 U	0.00855 U	0.00868 U	0.00878 U	0.00863 U	0.00866 U
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	0.0101 U	0.00994 U	0.0101 U	0.0101 U	0.0103 U	0.0104 U	0.0102 U	0.0103 U
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	0.0845 U	0.0831 U	0.0846 U	0.0847 U	0.086 U	0.0869 U	0.0855 U	0.0857 U
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	0.12 U	0.118 U	0.12 U	0.12 U	0.122 M	0.123 U	0.121 U	0.121 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	0.0388 U	0.0382 U	0.0389 U	0.0389 U	0.0395 U	0.04 U	0.0393 U	0.0394 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-SW10	AOC64-SW11	AOC64-SW12	AOC64-SW13	AOC64-SW14	AOC64-SW15	AOC64-SW16	AOC64-SW17
		30-Acre Source <small>Tot Soil_{Comb}</small>	30-Acre Source <small>GW Soil_{ing}</small>	30-Acre Source <small>GW Soil_{ing}</small>		1.5-2.0 12/15/2008 Normal	1.0-1.5 12/15/2008 Normal	0.5-1.0 12/15/2008 Normal	1.0-1.5 12/15/2008 Normal	1.5-2.0 12/15/2008 Normal	1.5-2.0 12/15/2008 Normal	2.5-3.0 12/15/2008 Normal	2.5-3.0 12/15/2008 Normal
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	0.0375 U	0.0369 U	0.0375 U	0.0376 U	0.0381 U	0.0386 U	0.0379 U	0.038 U
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	0.00866 U	0.00852 U	0.00868 U	0.00868 U	0.00881 U	0.00891 U	0.00876 U	0.00879 U
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	0.0146 U	0.0144 U	0.0146 U	0.0146 U	0.0149 U	0.015 U	0.0148 U	0.0148 U
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	0.0119 U	0.0117 U	0.0119 U	0.0119 U	0.0121 U	0.0122 U	0.012 U	0.012 U
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	0.0149 U	0.0147 U	0.015 U	0.015 U	0.0152 U	0.0154 U	0.0151 U	0.0152 U
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	0.0085 U	0.00837 U	0.00852 U	0.00852 U	0.00865 U	0.00875 U	0.0086 U	0.00863 U
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	0.0114 U	0.0113 U	0.0115 U	0.0115 U	0.0116 U	0.0118 U	0.0116 U	0.0116 U
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	0.0116 U	0.0115 U	0.0117 U	0.0117 U	0.0118 U	0.012 U	0.0118 U	0.0118 U
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	0.111 U	0.109 U	0.111 U	0.111 U	0.113 U	0.114 U	0.112 U	0.113 U
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	0.0418 U	0.0412 U	0.0419 U	0.0419 U	0.0425 U	0.043 U	0.0423 U	0.0424 U
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	0.11 U	0.108 U	0.11 U	0.11 U	0.112 U	0.113 U	0.111 U	0.112 U
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	0.0122 U	0.012 U	0.0122 U	0.0122 U	0.0124 U	0.0125 U	0.0123 U	0.0124 U
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	0.00907 U	0.00893 U	0.00909 U	0.00909 U	0.00923 U	0.00934 U	0.00918 U	0.00921 U
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	0.00762 U	0.0075 U	0.00764 U	0.00764 U	0.00776 U	0.00784 U	0.00771 U	0.00774 U
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	0.00578 U	0.00569 U	0.00579 U	0.00579 U	0.00588 U	0.00595 U	0.00585 U	0.00587 U
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	0.0395 U	0.0389 U	0.0396 U	0.0396 U	0.0402 U	0.0406 U	0.04 U	0.0401 U
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	0.011 U	0.0108 U	0.011 U	0.011 U	0.0112 U	0.0113 U	0.0111 U	0.0112 U
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	0.0103 U	0.0101 U	0.0103 U	0.0103 U	0.0104 U	0.0106 U	0.0104 U	0.0104 U
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	0.00449 U	0.00442 U	0.0045 U	0.0045 U	0.00457 U	0.00462 U	0.00454 U	0.00456 U
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	0.00518 U	0.00509 U	0.00519 U	0.00519 U	0.00527 U	0.00533 U	0.00524 U	0.00525 U
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	0.0249 U	0.0245 U	0.0249 U	0.0249 U	0.0253 U	0.0256 U	0.0252 U	0.0253 U
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	0.0237 U	0.0233 U	0.0238 U	0.0238 U	0.0241 U	0.0244 U	0.024 U	0.0241 U
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	0.0312 U	0.0307 U	0.0313 U	0.0313 U	0.0318 U	0.0321 U	0.0316 U	0.0317 U
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	0.0228 U	0.0224 U	0.0228 U	0.0228 U	0.0232 M	0.0234 U	0.023 U	0.0231 U
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	0.00993 U	0.00977 U	0.00995 U	0.00995 U	0.0101 U	0.0102 U	0.01 U	0.0101 U
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	0.00983 U	0.00968 U	0.00985 U	0.00986 U	0.01 U	0.0101 U	0.00995 U	0.00998 U
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	0.152 U	0.15 U	0.153 U	0.153 U	0.155 U	0.157 U	0.154 U	0.155 U
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	0.078 U	0.0768 U	0.0782 U	0.0782 U	0.0794 U	0.0803 U	0.0789 U	0.0792 U
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	0.0243 U	0.024 U	0.0244 U	0.0244 U	0.0248 U	0.0248 U	0.0246 U	0.0247 U
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	0.0144 R	0.0142 R	0.0144 R	0.0144 R	0.0146 R	0.0148 R	0.0146 R	0.0146 R
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	0.00896 U	0.00881 U	0.00897 U	0.00898 U	0.00911 U	0.00922 U	0.00906 U	0.00909 U
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	0.0198 U	0.0195 U	0.0198 U	0.0198 U	0.0201 U	0.0204 U	0.02 U	0.0201 U
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	0.0096 U	0.00945 U	0.00962 U	0.00962 U	0.00977 U	0.00988 U	0.00972 U	0.00975 U
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	0.129 U	0.127 U	0.129 U	0.129 U	0.131 U	0.133 U	0.131 U	0.131 U
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	0.00922 U	0.00907 U	0.00924 U	0.00924 U	0.00938 U	0.00949 U	0.00933 U	0.00936 U
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	0.0139 U	0.0136 U	0.0139 U	0.0139 U	0.0141 U	0.0143 U	0.014 U	0.0141 U
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	0.0251 U	0.0247 U	0.0251 U	0.0251 U	0.0255 U	0.0258 U	0.0254 U	0.0255 U
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	0.00607 U	0.00597 U	0.00608 U	0.00608 U	0.00617 U	0.00624 U	0.00614 U	0.00616 U
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	0.00939 U	0.00924 U	0.00941 U	0.00941 U	0.00955 U	0.00966 U	0.0095 U	0.00953 U
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	0.0111 U	0.0109 U	0.0111 U	0.0111 U	0.0113 U	0.0114 U	0.0112 U	0.0113 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-SW10	AOC64-SW11	AOC64-SW12	AOC64-SW13	AOC64-SW14	AOC64-SW15	AOC64-SW16	AOC64-SW17
		30-Acre Source <small>Tot Soil_{Comb}</small>	30-Acre Source <small>GW Soil_{Ing}</small>	30-Acre Source <small>GW Soil_{Ing}</small>		1.5-2.0 12/15/2008 Normal (mg/kg)	1.0-1.5 12/15/2008 Normal (mg/kg)	0.5-1.0 12/15/2008 Normal (mg/kg)	1.0-1.5 12/15/2008 Normal (mg/kg)	1.5-2.0 12/15/2008 Normal (mg/kg)	1.5-2.0 12/15/2008 Normal (mg/kg)	2.5-3.0 12/15/2008 Normal (mg/kg)	2.5-3.0 12/15/2008 Normal (mg/kg)
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.0722 U	0.0711 U	0.0723 U	0.0724 U	0.0735 U	0.0743 U	0.0731 U	0.0733 U
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	0.0599 U	0.059 U	0.06 U	0.06 U	0.0617 U	0.0617 U	0.0606 U	0.0608 U
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	0.177 U	0.174 U	0.177 U	0.177 U	0.18 U	0.182 U	0.179 U	0.179 U
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	0.0535 U	0.0526 U	0.0536 U	0.0536 U	0.0544 U	0.055 U	0.0541 U	0.0543 U
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	0.0103 U	0.0101 U	0.0103 U	0.0103 U	0.0104 U	0.0106 U	0.0104 U	0.0104 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.0875 U	0.0862 U	0.0877 U	0.0877 U	0.0891 U	0.0901 U	0.0886 U	0.0889 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	0.0765 U	0.0753 U	0.0767 U	0.0767 U	0.0779 U	0.0788 U	0.0774 U	0.0777 U
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	0.0142 U	0.014 U	0.0142 U	0.0142 U	0.0144 U	0.0146 U	0.0144 U	0.0144 U
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	0.0078 U	0.00768 U	0.00782 U	0.00782 U	0.00794 U	0.00803 U	0.00789 U	0.00792 U
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	0.0214 U	0.021 U	0.0214 U	0.0214 U	0.0218 M	0.022 U	0.0216 U	0.0217 U
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	0.00826 U	0.00813 U	0.00827 U	0.00828 U	0.0084 U	0.0085 U	0.00836 U	0.00838 U
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	0.00953 U	0.00938 U	0.00955 U	0.00955 U	0.00969 U	0.00981 U	0.00964 U	0.00967 U
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	0.0101 U	0.00997 U	0.0102 U	0.0102 U	0.0103 U	0.0104 U	0.0103 U	0.0103 U
VOCs													
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	0.000139 U	0.000155 U	0.000181 U	0.000181 U	0.000206 U	0.000166 U	0.000186 U	0.000192 J
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	0.000079 U	0.000089 U	0.000104 U	0.000104 U	0.000438 U	0.000118 U	0.000095 U	0.000107 U
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	0.000155 U	0.000174 U	0.000203 U	0.000203 U	0.000231 U	0.000186 U	0.000209 U	0.000216 J
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	0.0002 U	0.000224 U	0.000262 U	0.000262 U	0.000299 U	0.000241 U	0.00027 U	0.000278 J
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	0.000108 U	0.000121 U	0.000141 U	0.000141 U	0.000596 U	0.000161 U	0.000145 U	0.00015 J
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	0.000139 U	0.000155 U	0.000181 U	0.000181 U	0.000207 U	0.000167 U	0.000187 U	0.000193 J
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	0.00016 U	0.00018 U	0.00021 U	0.00021 U	0.000885 U	0.000239 U	0.000192 U	0.000223 J
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	0.000563 U	0.00063 U	0.000735 U	0.000735 U	0.0311 U	0.000838 M	0.000675 U	0.000757 U
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	0.000161 U	0.00018 U	0.00021 U	0.00021 U	0.000239 U	0.000193 U	0.000216 U	0.000223 J
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	0.000424 U	0.000475 U	0.000555 U	0.000555 U	0.0234 U	0.000632 M	0.000509 U	0.000571 U
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	0.000098 U	0.000109 U	0.000128 U	0.000128 U	0.000539 U	0.000145 U	0.000117 U	0.000131 U
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	0.000552 U	0.000618 U	0.000721 U	0.000721 U	0.0305 U	0.000822 U	0.000663 U	0.000742 U
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	0.000161 U	0.00018 U	0.00021 U	0.00021 U	0.000886 U	0.000239 U	0.000193 U	0.000216 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.000166 U	0.000186 U	0.000217 U	0.000217 U	0.00917 U	0.000248 U	0.000199 U	0.000224 U
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	0.000155 U	0.000174 U	0.000203 U	0.000203 U	0.00858 U	0.000232 U	0.000187 U	0.000209 U
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	0.000177 U	0.000199 U	0.000232 U	0.000232 U	0.00979 U	0.000264 U	0.000213 U	0.000239 U
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	0.00013 U	0.000146 U	0.00017 U	0.00017 U	0.00719 U	0.000194 U	0.000156 U	0.000175 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.000158 U	0.000177 U	0.000207 U	0.000207 U	0.00874 U	0.000236 U	0.00019 U	0.000213 U
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	0.000103 U	0.000116 U	0.000135 U	0.000135 U	0.0057 U	0.000154 U	0.000124 U	0.000139 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.000227 U	0.000254 U	0.000296 U	0.000296 U	0.0125 U	0.000338 U	0.000272 U	0.000305 U
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	0.000175 U	0.000196 U	0.000228 U	0.000228 U	0.00964 U	0.00026 U	0.00021 U	0.000235 U
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	0.000202 R	0.000226 R	0.000264 R	0.000264 R	0.0112 U	0.000301 R	0.000243 R	0.000272 R
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	0.000119 U	0.000133 U	0.000155 U	0.000155 U	0.00654 U	0.000177 U	0.000142 U	0.000159 U
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	0.000172 U	0.000192 U	0.000224 U	0.000224 U	0.00947 U	0.000256 U	0.000206 U	0.000231 U
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	0.000986 J	0.00205	0.000534 J	0.00761 U	0.00327	0.00126 J	0.00233	0.00675 J

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-SW10	AOC64-SW11	AOC64-SW12	AOC64-SW13	AOC64-SW14	AOC64-SW15	AOC64-SW16	AOC64-SW17
		30-Acre Source Tot Soil _{Comb}	30-Acre Source GW Soil _{Ing}	30-Acre Source GW Soil _{Ing}		1.5-2.0 12/15/2008 Normal (mg/kg)	1.0-1.5 12/15/2008 Normal (mg/kg)	0.5-1.0 12/15/2008 Normal (mg/kg)	1.0-1.5 12/15/2008 Normal (mg/kg)	1.5-2.0 12/15/2008 Normal (mg/kg)	1.5-2.0 12/15/2008 Normal (mg/kg)	2.5-3.0 12/15/2008 Normal (mg/kg)	2.5-3.0 12/15/2008 Normal (mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	0.000179 U	0.0002 U	0.000234 U	0.00987 U	0.000266 U	0.000215 U	0.00024 U	0.000248 J
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	0.000193 U	0.000216 U	0.000252 U	0.0106 U	0.000287 U	0.000231 U	0.000259 U	0.000268 J
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	0.000144 U	0.000162 U	0.000188 U	0.00796 U	0.000215 U	0.000173 U	0.000194 U	0.0002 J
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	0.00151 U	0.00169 U	0.00198 U	0.0835 U	0.00225 U	0.00182 U	0.00203 U	0.0021 J
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	0.000076 U	0.000086 U	0.0001 U	0.00422 U	0.000114 U	0.000092 U	0.000103 U	0.000106 J
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	0.000145 U	0.000163 U	0.00019 U	0.00802 U	0.000216 U	0.000174 U	0.000195 U	0.000202 J
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	0.000519 U	0.000581 U	0.000678 U	0.0286 U	0.000773 U	0.000623 U	0.000698 U	0.000721 J
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	0.00009 U	0.000101 U	0.000117 U	0.00496 U	0.000134 U	0.000108 U	0.000121 U	0.000125 J
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	0.000137 U	0.000153 U	0.000178 U	0.00754 U	0.000203 U	0.000164 U	0.000184 U	0.00019 J
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	0.000101 U	0.000113 U	0.000132 U	0.00559 U	0.000151 U	0.000122 U	0.000136 U	0.000141 J
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	0.000219 U	0.000245 U	0.000286 U	0.0121 U	0.000326 U	0.000263 U	0.000295 U	0.000304 J
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	0.000242 U	0.000271 U	0.000316 U	0.0133 U	0.00036 U	0.00029 U	0.000325 U	0.000335 J
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	0.000127 U	0.000143 U	0.000166 U	0.00703 U	0.00019 U	0.000153 U	0.000171 U	0.000177 J
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	0.00065 J	0.000974 J	0.000289 U	0.0122 U	0.000898 J	0.00054 J	0.000673 J	0.000307 J
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.000417 U	0.000467 U	0.000545 U	0.023 U	0.000621 M	0.000501 U	0.000561 U	0.000579 J
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	0.000168 U	0.000188 U	0.000219 U	0.00927 U	0.00025 U	0.000202 U	0.000226 U	0.000233 J
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	0.000663 U	0.000743 U	0.000867 U	0.0366 U	0.00128 J	0.000796 U	0.000962 J	0.00201 J
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	0.000928 U	0.00104 U	0.00121 U	0.0512 U	0.00138 U	0.00111 U	0.00125 U	0.00129 J
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	0.000242 R	0.000271 R	0.000316 R	0.0134 U	0.00036 R	0.00029 R	0.000325 R	0.000336 R
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	0.000126 U	0.000141 U	0.000164 U	0.00695 U	0.000188 U	0.000151 U	0.000169 U	0.000175 J
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.000583 U	0.000653 U	0.000762 U	0.0322 R	0.000868 U	0.0007 U	0.000784 U	0.00081 J
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	0.000238 U	0.000267 U	0.000311 U	0.0131 U	0.000354 U	0.000286 U	0.00032 U	0.00033 J
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	0.000132 U	0.000148 U	0.000173 U	0.00729 U	0.000197 U	0.000159 U	0.000178 U	0.000183 J
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	0.000237 J	0.000354 J	0.000211 U	0.0089 U	0.000594 J	0.000287 J	0.000412 J	0.00208 J
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	0.000103 U	0.000115 U	0.000134 U	0.00566 U	0.000153 U	0.000123 U	0.000138 U	0.000143 J
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	0.000147 U	0.000165 U	0.000192 U	0.00813 U	0.000219 U	0.000177 U	0.000198 U	0.000205 J
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	0.000156 U	0.000175 U	0.000204 U	0.00863 U	0.000233 U	0.000188 U	0.00021 U	0.000217 J
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	0.000181 R	0.000202 R	0.000236 R	0.00997 U	0.000269 U R	0.000217 R	0.000243 R	0.000251 R
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	0.000093 U	0.000105 U	0.000122 U	0.00516 U	0.000139 U	0.000112 U	0.000126 U	0.00013 J
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	0.00118 J	0.002 J	0.000599 J	0.0109 U	0.00306 J	0.00122 J	0.00265 J	0.00611 J
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	0.000121 U	0.000136 U	0.000158 U	0.00668 U	0.00018 U	0.000145 U	0.000163 U	0.000168 J
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	0.00011 U	0.000124 U	0.000144 U	0.0061 U	0.000165 U	0.000133 U	0.000149 U	0.000153 J
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	0.000196 U	0.000219 U	0.000256 U	0.0108 U	0.000292 U	0.000235 U	0.000263 U	0.000272 J
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	0.000239 U	0.000267 U	0.000312 U	0.0132 U	0.000356 U	0.000287 U	0.000321 U	0.000332 J
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	0.000105 U	0.000118 U	0.000138 U	0.00581 U	0.000157 U	0.000126 U	0.000142 U	0.000146 J

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{TotSoilComb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GWSoilInq}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GWSoilInq}	Critical PCL ⁴ (mg/kg)	AOC64-SW18 2.0-2.5 12/15/2008 Normal (mg/kg)	AOC64-SW18 2.0-2.5 12/15/2008 Duplicate (mg/kg)	AOC64-SW19 2.5-3.0 12/15/2008 Normal (mg/kg)	AOC64-SW20 3.5-4.0 01/07/2009 Normal (mg/kg)
Explosives									
1,3,5-Trinitrobenzene	N/A	2.0E+03	9.1E-01	---	0.910	0.0453 U	0.0457 U	0.0456 U	0.0424 U
1,3-Dinitrobenzene	N/A	6.3E+00	3.8E-03	---	0.004	0.0263 U	0.0265 U	0.0264 U	0.0246 U
2,4,6-Trinitrotoluene	N/A	1.7E+01	8.6E-02	---	0.086	0.0778 U	0.0784 U	0.0782 U	0.0728 U
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	0.003	0.0486 U	0.049 U	0.0489 U	0.0455 U
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	0.002	0.0889 U	0.0897 U	0.0894 U	0.0832 U
2-Nitrotoluene	N/A	2.1E+01	1.6E-02	---	0.016	0.0265 U	0.0267 U	0.0266 U	0.0248 U
3-Nitrotoluene	N/A	2.7E+02	9.2E-01	---	0.922	0.0886 U	0.0893 U	0.0891 U	0.0829 U
4-Nitrotoluene	N/A	1.7E+02	2.2E-01	---	0.215	0.0538 U	0.0542 U	0.054 U	0.0503 U
HMX	N/A	2.0E+02	1.2E+00	---	1.172	0.0385 U	0.0388 U	0.0387 U	0.036 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	0.176	0.0263 U	0.0265 U	0.0264 U	0.0246 U
RDX	N/A	2.5E+01	1.8E-02	---	0.018	0.0408 U	0.0412 U	0.041 U	0.0382 U
Tetryl	N/A	3.4E+01	5.5E-01	---	0.552	0.12 U	0.121 U	0.12 U	0.112 U
Metals									
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	3.35 B	3.81 B	2.64 B	1.32 M
Barium	300 ²	7.8E+03	2.2E+02	1562	1562	859	595	222	12.4
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.059 U	0.059 U	0.059 U	0.057 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	14.6 M	20.5 M	14.9 M	3.33
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	9.71	6.84	4.96	1.18 J
Lead	84.5 ¹	5.0E+02	1.5E+00	411	411	11.1	13.5	8.45	2.1 B
Mercury	0.77 ¹	2.1E+00	3.9E-03	6.0	2.1	0.024	0.009 B	0.13	0.0043 U
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	78.7	11.5	15.7	11.2	1.3 B
Zinc	73.2 ¹	9.9E+03	1.2E+03	58304	9900	34.1 M	29.3 M	22.6 M	0.75 M
Perchlorate									
Perchlorate	N/A	5.1E+01	7.0E-02	---	0.070	NT	NT	NT	NT
SVOCs									
1,2,4-Trichlorobenzene	N/A	7.0E+01	2.4E+00	---	2.4E+00	0.176 U	0.179 U	0.179 U	0.175 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.176 U	0.179 U	0.179 U	0.175 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.176 U	0.179 U	0.179 U	0.175 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.176 U	0.179 U	0.179 U	0.175 U
1-chloro-4-phenoxybenzene	N/A	1.5E-01	1.6E-02	---	1.6E-02	0.00648 U	0.00659 U	0.00657 U	0.00645 U
2,4,5-Trichlorophenol	N/A	4.1E+03	1.7E+01	---	1.7E+01	0.00605 U	0.00616 U	0.00615 U	0.00603 U
2,4,6-Trichlorophenol	N/A	6.7E+01	8.7E-02	---	8.7E-02	0.0085 U	0.00866 U	0.00863 U	0.00847 U
2,4-Dichlorophenol	N/A	1.9E+02	1.8E-01	---	1.8E-01	0.0101 U	0.0102 U	0.0102 U	0.01 U
2,4-Dimethylphenol	N/A	8.8E+02	1.6E+00	---	1.6E+00	0.0842 U	0.0857 U	0.0854 U	0.0838 U
2,4-Dinitrophenol	N/A	1.3E+02	4.7E-02	---	4.7E-02	0.119 U	0.121 U	0.121 U	0.119 R
2,4-Dinitrotoluene	N/A	6.9E+00	2.7E-03	---	2.7E-03	0.0387 U	0.0394 U	0.0393 U	0.0385 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-SW18 2.0-2.5 12/15/2008 Normal (mg/kg)	AOC64-SW18 2.0-2.5 12/15/2008 Duplicate (mg/kg)	AOC64-SW19 2.5-3.0 12/15/2008 Normal (mg/kg)	AOC64-SW20 3.5-4.0 01/07/2009 Normal (mg/kg)
		^{Tot} Soil _{Comb} Source	^{GW} Soil _{Ing} Source	^{GW} Soil _{Ing} Source					
2,6-Dinitrotoluene	N/A	6.9E+00	2.4E-03	---	2.4E-03	0.0373 U	0.038 U	0.0379 U	0.0372 U
2-Chloronaphthalene	N/A	5.0E+03	3.3E+02	---	3.3E+02	0.00863 U	0.00879 U	0.00876 U	0.00859 U
2-Chlorophenol	N/A	3.6E+02	8.2E-01	---	8.2E-01	0.0146 U	0.0148 U	0.0148 U	0.0145 U
2-Methylnaphthalene	N/A	2.5E+02	8.5E+00	---	8.5E+00	0.0118 U	0.012 U	0.012 U	0.0118 U
2-Methylphenol	N/A	1.0E+03	3.6E+00	---	3.6E+00	0.0149 U	0.0151 U	0.0151 U	0.0148 U
2-Nitroaniline	N/A	1.1E+01	1.1E-02	---	1.1E-02	0.00847 U	0.00862 U	0.0086 U	0.00843 U
2-Nitrophenol	N/A	1.0E+02	6.7E-02	---	6.7E-02	0.0114 U	0.0116 U	0.0116 U	0.0113 U
3 & 4-Methylphenol (m. & p-Cresol)	N/A	2.7E+02	3.2E-01	---	3.2E-01	0.0116 U	0.0118 U	0.0118 U	0.0116 U
3,3-Dichlorobenzidine	N/A	1.0E+01	3.1E-02	---	3.1E-02	0.111 U	0.113 U	0.112 U	0.11 U
3-Nitroaniline	N/A	1.9E+01	1.3E-02	---	1.3E-02	0.0417 U	0.0424 U	0.0423 U	0.0415 U
4,6-Dinitro-2-methylphenol	N/A	5.2E+00	2.3E-03	---	2.3E-03	0.11 U	0.112 U	0.111 U	0.109 U
4-Bromophenyl phenyl ether	N/A	2.7E-01	1.8E-01	---	1.8E-01	0.0121 U	0.0124 U	0.0123 U	0.0121 U
4-Chloro-3-methylphenol	N/A	3.3E+02	2.3E+00	---	2.3E+00	0.00904 U	0.0092 U	0.00918 U	0.009 U
4-Chloroaniline	N/A	2.3E+01	1.0E-02	---	1.0E-02	0.00759 U	0.00773 U	0.00771 U	0.00756 U
4-Nitroaniline	N/A	1.9E+02	5.4E-02	---	5.4E-02	0.00576 U	0.00586 U	0.00585 U	0.00573 R
4-Nitrophenol	N/A	5.1E+01	5.0E-02	---	5.0E-02	0.0393 U	0.0401 U	0.0399 U	0.0392 R
Acenaphthene	N/A	3.0E+03	1.2E+02	---	1.2E+02	0.011 U	0.0112 U	0.0111 U	0.0109 U
Acenaphthylene	N/A	3.8E+03	2.0E+02	---	2.0E+02	0.0102 U	0.0104 U	0.0104 U	0.0102 U
Anthracene	N/A	1.8E+04	3.4E+03	---	3.4E+03	0.00447 U	0.00455 U	0.00454 U	0.00445 U
Benzo(a)anthracene	N/A	5.6E+00	8.9E+00	---	5.6E+00	0.00516 U	0.00525 U	0.00524 U	0.00514 U
Benzo(a)pyrene	N/A	5.6E-01	3.8E+00	---	5.6E-01	0.0248 U	0.0252 U	0.0252 U	0.0247 U
Benzo(b)fluoranthene	N/A	5.7E+00	3.0E+01	---	5.7E+00	0.0236 U	0.0241 U	0.024 U	0.0235 U
Benzo(g,h,i)perylene	N/A	1.8E+03	2.3E+04	---	1.8E+03	0.0311 U	0.0317 U	0.0316 U	0.031 U
Benzoic acid	N/A	3.5E+02	9.5E+01	---	9.5E+01	0.0227 U	0.0231 U	0.023 U	0.0226 U
Benzyl alcohol	N/A	4.0E+03	1.5E+01	---	1.5E+01	0.00989 U	0.0101 U	0.01 U	0.00985 U
bis(2-Chloroethoxy)methane	N/A	2.5E+00	5.9E-03	---	5.9E-03	0.0098 U	0.00998 U	0.00995 U	0.00976 U
bis(2-Chloroethyl)ether	N/A	1.4E+00	1.1E-03	---	1.1E-03	0.152 U	0.155 U	0.154 U	0.151 U
bis(2-Chloroisopropyl)ether	N/A	4.1E+01	9.5E-02	---	9.5E-02	0.0777 U	0.0792 U	0.0789 U	0.0774 U
bis(2-Ethylhexyl)phthalate	N/A	4.3E+01	8.2E+01	---	4.3E+01	0.0243 U	0.0488 J	0.0246 U	0.0242 U
Butyl Benzyl Phthalate	N/A	1.6E+03	1.3E+02	---	1.3E+02	0.0143 R	0.0146 R	0.0146 R	0.0143 U
Chrysene	N/A	5.6E+02	7.7E+02	---	5.6E+02	0.00892 U	0.00909 U	0.00906 U	0.00889 U
Dibenzo(a,h)anthracene	N/A	5.5E-01	7.6E+00	---	5.5E-01	0.0197 U	0.0201 U	0.02 U	0.0196 U
Dibenzofuran	N/A	2.7E+02	1.7E+01	---	1.7E+01	0.00957 U	0.00974 U	0.00971 U	0.00953 U
Diethyl phthalate	N/A	1.4E+03	7.8E+01	---	7.8E+01	0.129 U	0.131 U	0.131 U	0.128 U
Dimethyl phthalate	N/A	6.6E+02	3.1E+01	---	3.1E+01	0.00919 U	0.00935 U	0.00933 U	0.00915 U
Di-N-Butyl phthalate	N/A	4.4E+03	1.7E+03	---	1.7E+03	0.0138 U	0.0141 U	0.014 U	0.0138 U
Di-N-Octyl phthalate	N/A	1.3E+03	8.1E+05	---	1.3E+03	0.025 U	0.0255 U	0.0254 U	0.0249 U
Fluoranthene	N/A	2.3E+03	9.6E+02	---	9.6E+02	0.00604 U	0.00615 U	0.00614 U	0.00602 U
Fluorene	N/A	2.3E+03	1.5E+02	---	1.5E+02	0.00936 U	0.00953 U	0.0095 U	0.00932 U
Hexachlorobenzene	N/A	1.0E+00	5.6E-01	---	5.6E-01	0.0111 U	0.0113 U	0.0112 U	0.011 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	AOC64-SW18 2.0-2.5 12/15/2008 Normal (mg/kg)	AOC64-SW18 2.0-2.5 12/15/2008 Duplicate (mg/kg)	AOC64-SW19 2.5-3.0 12/15/2008 Normal (mg/kg)	AOC64-SW20 3.5-4.0 01/07/2009 Normal (mg/kg)
		^{Soil_{Comb}} Source	^{Soil_{Ing}} Source	^{Soil_{Ing}} Source					
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.0719 U	0.0732 U	0.073 U	0.0716 U
Hexachlorocyclopentadiene	N/A	7.2E+00	9.6E+00	---	7.2E+00	0.0597 U	0.0608 U	0.0606 U	0.0595 U
Hexachloroethane	N/A	6.7E+01	9.2E-01	---	9.2E-01	0.176 U	0.179 U	0.179 U	0.175 U
Indeno(1,2,3-cd)pyrene	N/A	5.7E+00	8.7E+01	---	5.7E+00	0.0533 U	0.0542 U	0.0541 U	0.053 U
Isophorone	N/A	1.2E+03	1.5E+00	---	1.5E+00	0.0102 U	0.0104 U	0.0104 U	0.0102 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.0872 U	0.0888 U	0.0886 U	0.0869 U
Nitrobenzene	N/A	3.4E+01	1.8E-01	---	1.8E-01	0.0763 U	0.0777 U	0.0774 U	0.0759 U
N-Nitroso-di-N-propylamine	N/A	4.0E-01	1.8E-04	---	1.8E-04	0.0141 U	0.0144 U	0.0143 U	0.0141 U
N-Nitrosodiphenylamine	N/A	5.7E+02	1.4E+00	---	1.4E+00	0.00777 U	0.00792 U	0.00789 U	0.00774 U
Pentachlorophenol	N/A	2.4E+00	9.2E-03	---	9.2E-03	0.0213 U	0.0217 U	0.0216 U	0.0212 U
Phenanthrene	N/A	1.7E+03	2.1E+02	---	2.1E+02	0.00823 U	0.00838 U	0.00835 U	0.00819 U
Phenol	N/A	1.6E+03	9.6E+00	---	9.6E+00	0.00949 U	0.00967 U	0.00964 U	0.00945 U
Pyrene	N/A	1.7E+03	5.6E+02	---	5.6E+02	0.0101 U	0.0103 U	0.0102 U	0.0101 U
VOCs									
1,1,1,2-Tetrachloroethane	N/A	3.9E+01	7.1E-01	---	7.1E-01	0.000168 U	0.000157 U	0.000136 U	0.000224 U
1,1,1-Trichloroethane	N/A	3.2E+04	8.1E-01	---	8.1E-01	0.000096 U	0.00009 U	0.000078 U	0.000128 U
1,1,2,2-Tetrachloroethane	N/A	4.0E+00	1.2E-02	---	1.2E-02	0.000188 U	0.000175 U	0.000152 U	0.000251 U
1,1,2-Trichloroethane	N/A	1.0E+01	1.0E-02	---	1.0E-02	0.000243 U	0.000226 U	0.000197 U	0.000324 U
1,1-Dichloroethane	N/A	2.6E+03	9.2E+00	---	9.2E+00	0.000131 U	0.000122 U	0.000106 U	0.000175 U
1,1-Dichloroethene	N/A	1.6E+03	2.5E-02	---	2.5E-02	0.000168 U	0.000157 U	0.000136 U	0.000225 U
1,1-Dichloropropene	N/A	2.6E+01	6.7E-02	---	6.7E-02	0.000194 U	0.000181 U	0.000157 U	0.00026 U
1,2,3-Trichlorobenzene	N/A	1.9E+02	1.3E+01	---	1.3E+01	0.000682 U	0.000636 U	0.000552 U	0.000911 U
1,2,3-Trichloropropane	N/A	2.0E-01	2.7E-04	---	2.7E-04	0.000195 U	0.000182 U	0.000158 U	0.00026 U
1,2,4-Trichlorobenzene	N/A	6.1E+02	2.4E+00	---	2.4E+00	0.000514 U	0.00048 U	0.000416 U	0.000687 U
1,2,4-Trimethylbenzene	N/A	7.9E+01	2.4E+01	---	2.4E+01	0.000118 U	0.00011 U	0.000096 U	0.000158 U
1,2-Dibromo-3-chloropropane	N/A	8.0E-02	8.7E-04	---	8.7E-04	0.000669 U	0.000624 U	0.000542 U	0.000894 U
1,2-Dibromoethane	N/A	4.3E-01	1.0E-04	---	1.0E-04	0.000195 U	0.000182 U	0.000158 U	0.00026 U
1,2-Dichlorobenzene	N/A	3.9E+02	8.9E+00	---	8.9E+00	0.000201 U	0.000188 U	0.000163 U	0.000269 U
1,2-Dichloroethane	N/A	6.4E+00	6.9E-03	---	6.9E-03	0.000188 U	0.000176 U	0.000153 U	0.000252 U
1,2-Dichloropropane	N/A	3.1E+01	1.1E-02	---	1.1E-02	0.000215 U	0.0002 U	0.000174 U	0.000287 U
1,3,5-Trimethylbenzene	N/A	5.9E+01	2.7E+01	---	2.7E+01	0.000158 U	0.000147 U	0.000128 U	0.000211 U
1,3-Dichlorobenzene	N/A	6.2E+01	3.4E+00	---	3.4E+00	0.000192 U	0.000179 U	0.000155 U	0.000256 U
1,3-Dichloropropane	N/A	2.6E+01	3.2E-02	---	3.2E-02	0.000125 U	0.000117 U	0.000101 U	0.000167 U
1,4-Dichlorobenzene	N/A	2.5E+02	1.1E+00	---	1.1E+00	0.000275 U	0.000256 U	0.000222 U	0.000367 U
1-Chlorohexane	N/A	2.3E+03	2.0E+01	---	2.0E+01	0.000212 U	0.000197 U	0.000171 U	0.000283 U
2,2-Dichloropropane	N/A	3.1E+01	6.0E-02	---	6.0E-02	0.000245 R	0.000228 R	0.000198 R	0.000327 U
2-Chlorotoluene	N/A	8.3E+02	4.5E+00	---	4.5E+00	0.000144 U	0.000134 U	0.000116 U	0.000192 U
4-Chlorotoluene	N/A	2.5E+00	1.9E+01	---	2.5E+00	0.000208 U	0.000194 U	0.000168 U	0.000278 U
Benzene	N/A	4.8E+01	1.3E-02	0.019	0.019	0.00665	0.00319	0.000135 U	0.000223 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{ToS} Soil _{Comb}	TRRP Residential Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	TRRP Residential Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{Ing}	Critical PCL ⁴ (mg/kg)	AOC64-SW18 2.0-2.5 12/15/2008 Normal (mg/kg)	AOC64-SW18 2.0-2.5 12/15/2008 Duplicate (mg/kg)	AOC64-SW19 2.5-3.0 12/15/2008 Normal (mg/kg)	AOC64-SW20 3.5-4.0 01/07/2009 Normal (mg/kg)
Bromobenzene	N/A	2.8E+02	1.2E+00	---	1.2E+00	0.000217 U	0.000202 U	0.000175 U	0.000289 U
Bromochloromethane	N/A	3.5E+02	1.5E+00	---	1.5E+00	0.000234 U	0.000218 U	0.000189 U	0.000312 U
Bromodichloromethane	N/A	9.8E+01	3.3E-02	---	3.3E-02	0.000175 U	0.000163 U	0.000141 U	0.000233 U
Bromoform	N/A	2.8E+02	3.2E-01	---	3.2E-01	0.00183 U	0.00171 U	0.00148 U	0.00245 U
Carbon tetrachloride	N/A	9.7E+00	3.1E-02	---	3.1E-02	0.000093 U	0.000086 U	0.000075 U	0.000124 U
Chlorobenzene	N/A	3.2E+02	5.5E-01	---	5.5E-01	0.000176 U	0.000164 U	0.000143 U	0.000235 U
Chloroethane	N/A	2.3E+04	1.5E+01	---	1.5E+01	0.000629 U	0.000587 U	0.000509 U	0.00084 U
Chloroform	N/A	8.0E+00	5.1E-01	---	5.1E-01	0.000109 U	0.000102 U	0.000088 U	0.000145 U
cis-1,2-Dichloroethene	N/A	7.2E+02	1.2E-01	---	1.2E-01	0.000166 U	0.000154 U	0.000134 U	0.000221 U
cis-1,3-Dichloropropene	N/A	7.1E+00	3.3E-03	---	3.3E-03	0.000123 U	0.000114 U	0.000099 U	0.000164 U
Dibromochloromethane	N/A	7.2E+01	2.5E-02	---	2.5E-02	0.000266 U	0.000248 U	0.000215 U	0.000355 U
Dibromomethane	N/A	1.4E+02	5.6E-01	---	5.6E-01	0.000293 U	0.000273 U	0.000237 U	0.000391 U
Dichlorodifluoromethane	N/A	1.2E+04	1.2E+02	---	1.2E+02	0.000154 U	0.000144 U	0.000125 U	0.000206 U
Ethylbenzene	N/A	4.0E+03	3.8E+00	---	3.8E+00	0.000268 U	0.000705 J	0.000217 U	0.000358 U
Hexachlorobutadiene	N/A	1.2E+01	1.6E+00	---	1.6E+00	0.000505 U	0.000471 U	0.000409 U	0.000675 U
Isopropylbenzene	N/A	3.0E+03	1.7E+02	---	1.7E+02	0.000203 U	0.00019 U	0.000165 U	0.000272 U
m,p-Xylene	N/A	3.4E+03	5.3E+01	---	5.3E+01	0.00205 J	0.00075 U	0.000651 U	0.00107 U
Methyl Bromide	N/A	2.9E+01	6.5E-02	---	6.5E-02	0.00112 U	0.00105 U	0.000911 U	0.0015 U
Methyl Chloride	N/A	8.4E+01	2.0E-01	---	2.0E-01	0.000293 R	0.000273 R	0.000237 R	0.000392 U
Methylene chloride	N/A	2.6E+02	6.5E-03	---	6.5E-03	0.000153 U	0.000142 U	0.000124 U	0.000204 U
Naphthalene	N/A	1.2E+02	1.6E+01	---	1.6E+01	0.000706 U	0.000659 U	0.000572 U	0.000944 U
n-Butylbenzene	N/A	1.5E+03	6.1E+01	---	6.1E+01	0.000288 U	0.000269 U	0.000233 U	0.000385 U
n-Propylbenzene	N/A	1.6E+03	2.2E+01	---	2.2E+01	0.00016 U	0.000149 U	0.00013 U	0.000214 U
o-Xylene	N/A	2.9E+04	3.5E+01	---	3.5E+01	0.00213 J	0.000457 J	0.000158 U	0.000261 U
p-Isopropyltoluene	N/A	2.5E+03	1.2E+02	---	1.2E+02	0.000124 U	0.000116 U	0.000101 U	0.000166 U
sec-Butylbenzene	N/A	1.6E+03	4.2E+01	---	4.2E+01	0.000178 U	0.000166 U	0.000145 U	0.000238 U
Styrene	N/A	4.3E+03	1.6E+00	---	1.6E+00	0.000189 U	0.000177 U	0.000153 U	0.000253 U
tert-Butylbenzene	N/A	1.4E+03	5.0E+01	---	5.0E+01	0.000219 R	0.000204 R	0.000177 R	0.000293 U
Tetrachloroethene	N/A	9.4E+01	2.5E-02	---	2.5E-02	0.000113 U	0.000106 U	0.000092 U	0.000151 U
Toluene	N/A	5.4E+03	4.1E+00	---	4.1E+00	0.00638	0.00255 J	0.0016 J	0.00032 U
trans-1,2-Dichloroethene	N/A	3.7E+02	2.5E-01	---	2.5E-01	0.000147 U	0.000137 U	0.000119 U	0.000196 U
trans-1,3-Dichloropropene	N/A	2.6E+01	1.8E-02	---	1.8E-02	0.000134 U	0.000125 U	0.000108 U	0.000179 U
Trichloroethene	N/A	6.8E+01	1.7E-02	---	1.7E-02	0.000237 U	0.000221 U	0.000192 U	0.000317 U
Trichlorofluoromethane	N/A	1.2E+04	6.4E+01	---	6.4E+01	0.000289 U	0.00027 U	0.000234 U	0.000386 U
Vinyl Chloride	N/A	3.4E+00	1.1E-02	---	1.1E-02	0.000128 U	0.000119 U	0.000103 U	0.00017 U

Note: see legend (last page of Table 4D-1) for descriptions of symbols and abbreviations

**Table 4D-1
Legend and Notes
Soil Data Summary: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

<p>Legend: B - indicates constituent detected in method blank J - indicates estimated value M - a matrix effect was present mg/kg - milligrams per kilogram N/A - not applicable NC - Not Calculated NT - sample not analyzed for constituent PCL - Protective Concentration Level R - rejected; lab result fails QA/QC standards of the CSSA QAPP TRRP - Texas Risk Reduction Program (30TAC§350) U - indicates constituent not detected at or above method detection limit (MDL)</p>	<p>Notes:</p> <ol style="list-style-type: none"> 1. All data qualifiers are referenced from the Final CSSA QAPP, dated January 2003. 2. Camp Stanley site-specific background concentration for surface soil 3. Texas State Median Concentration 4. All PCLs are for residential land use and an assumed 30-acre source area. The Tier 1 PCLs are default values obtained from the TRRP PCL Tables dated March 31, 2010. 5. Critical PCLs determined from lowest of $^{Tot}Soil_{Comb}$ (protective of direct exposure to contaminated soil) or $^{GW}Soil_{Ing}$ (protective of soil-to-groundwater cross-media impact to drinking water resources), or if higher than both of these values, the higher of the CSSA background or Texas State Median concentration. Tier 1 PCLs are default values obtained from the TRRP Tier 1 PCL Tables dated May 24, 2011. 6. Bolded values exceed critical PCL. 7. Shaded cells sample quantitation limit (SQL) exceeds the critical PCL. 8. Explosives concentrations determined by EPA Method SW846-8330. 9. Metals concentrations determined by EPA Method SW846-6010B and 7471 (mercury). 10. Perchlorate concentrations determined by EPA Method IC 314. 11. SVOC concentrations determined by EPA Method SW846-8270C. 12. VOC concentrations determined by EPA Method SW846-8260B.
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**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	(EXCAVATED) SWMUB71-A1 0.0-0.5 03/24/2007 Normal (mg/kg)	(EXCAVATED) SWMUB71-A1 4.5-5.0 03/24/2007 Normal (mg/kg)	(EXCAVATED) SWMUB71-A1 8.5-9.0 03/29/2007 Duplicate (mg/kg)	(EXCAVATED) SWMUB71-A1 8.5-9.0 03/29/2007 Normal (mg/kg)	(EXCAVATED) SWMUB71-A2 0.0-0.5 03/29/2007 Normal (mg/kg)	(EXCAVATED) SWMUB71-A2 3.5-4.0 03/29/2007 Normal (mg/kg)	(EXCAVATED) SWMUB71-A2 4.5-5.0 03/29/2007 Normal (mg/kg)
		TotSoilComb	GWSoilIng	GWSoilIng		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Explosives												
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0506 U	0.0547 U	0.0566 U	0.055 U	0.0697 U	0.0523 U	0.0522 U
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0293 U	0.0317 U	0.0328 U	0.0319 U	0.0404 U	0.0303 U	0.0303 U
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.0868 U	0.0939 U	0.0972 U	0.0944 U	0.12 U	0.0898 U	0.0897 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0543 U	0.0587 U	0.0607 U	0.059 U	0.0748 U	0.0561 U	0.056 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0992 U	0.107 U	0.111 U	0.108 U	0.137 U	0.103 U	0.102 U
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0296 U	0.032 U	0.0331 U	0.0322 U	0.0408 U	0.0306 U	0.0305 U
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.0989 U	0.107 U	0.111 U	0.107 U	0.136 U	0.102 U	0.102 U
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.06 U	0.0649 U	0.0672 U	0.0652 U	0.0827 U	0.062 U	0.062 U
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0429 U	0.0465 U	0.0481 U	0.0467 U	0.0592 U	0.0444 U	0.0444 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0293 U	0.0317 U	0.0328 U	0.0319 U	0.0404 U	0.0303 U	0.0303 U
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0456 U	0.0493 U	0.051 U	0.0495 U	0.0628 U	0.0471 U	0.047 U
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.134 R	0.144 R	0.15 R	0.145 R	0.184 R	0.138 R	0.138 R
Metals												
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	7.08	6.51	6.06	5.11	5.87	4.35	7
Barium	300 ²	7.8E+03	2.2E+02	---	300	86	110	187 M	129 M	151 J	71.4 J	67.3 J
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.47	0.25 B	0.017 U	0.017 U	0.021 U	0.032 U	0.032 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	18.6	18.5	22.7	21	28.8	36.7	16.1
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	631	138	132 M	44.8 M	2720	6410	13
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	1930	232	1200 M	423 M	30100	51400	35
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.049	0.023	0.043	0.0069 B	0.031	0.075	0.0044 U
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	25.3	17.2	21.3	16.4	60.1	65.7	13.6
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	1430	239	654 M	90.6 M	2110	3350	58.1
PCBs												
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	0.0039 R	0.00404 U	0.00397 U	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	0.012 R	0.0125 U	0.0122 U	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	0.0121 R	0.0126 U	0.0123 U	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	0.0139 R	0.0144 U	0.0141 U	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	0.00772 R	0.00801 U	0.00786 U	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	0.0121 R	0.0126 U	0.0123 U	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	0.00499 R	0.00518 U	0.00508 U	NT	NT	NT
SVOCs												
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.0347 U	0.0373 U	0.0387 U	0.0376 U	0.048 U	0.0357 U	0.0357 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.0588 U	0.0632 U	0.0638 U	0.0638 U	0.0813 U	0.0605 U	0.0606 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.0613 U	0.0659 U	0.0684 U	0.0665 U	0.0848 U	0.063 U	0.0631 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.0558 U	0.0599 U	0.0622 U	0.0604 U	0.0771 U	0.0573 U	0.0574 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	(EXCAVATED) SWMUB71-A1 0.0-0.5 03/24/2007 Normal	(EXCAVATED) SWMUB71-A1 4.5-5.0 03/24/2007 Normal	(EXCAVATED) SWMUB71-A1 8.5-9.0 03/29/2007 Duplicate	(EXCAVATED) SWMUB71-A1 8.5-9.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 0.0-0.5 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 3.5-4.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 4.5-5.0 03/29/2007 Normal
		TotSoilComb	GWSoilInq	GWSoilInq		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.00553 U	0.00594 U	0.00617 U	0.00599 U	0.00764 U	0.00568 U	0.00569 U
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.00889 U	0.00955 U	0.00992 U	0.00963 U	0.0123 U	0.00913 U	0.00915 U
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.00679 U	0.00729 U	0.00757 U	0.00735 U	0.00938 U	0.00697 U	0.00699 U
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0295 U	0.0317 U	0.0329 U	0.0319 U	0.0408 U	0.0303 U	0.0303 U
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.0647 U	0.0695 U	0.0722 U	0.0701 U	0.0894 U	0.0664 U	0.0666 U
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.0226 U	0.0243 U	0.0252 R	0.0245 R	0.0312 U	0.0232 U	0.0232 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.032 U	0.0344 U	0.0357 U	0.0346 U	0.0442 U	0.0329 U	0.0329 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.00678 U	0.00728 U	0.00756 U	0.00734 U	0.00937 U	0.00696 U	0.00697 U
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.0288 U	0.0309 U	0.0321 U	0.0312 U	0.0398 U	0.0296 U	0.0296 U
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0295 U	0.0317 U	0.0329 U	0.0319 U	0.0408 U	0.0303 U	0.0303 U
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.00846 U	0.00909 U	0.00944 U	0.00917 U	0.0117 U	0.0087 U	0.00871 U
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.02 U	0.0215 U	0.0223 U	0.0216 U	0.0276 U	0.0205 U	0.0206 U
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.00898 U	0.00964 U	0.01 U	0.00972 U	0.0124 U	0.00922 U	0.00924 U
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0114 U	0.0122 U	0.0127 U	0.0124 U	0.0158 U	0.0117 U	0.0117 U
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.0115 U	0.0123 U	0.0128 U	0.0124 U	0.0159 U	0.0118 U	0.0118 U
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.0666 U	0.0715 U	0.0743 U	0.0721 U	0.092 U	0.0684 U	0.0685 U
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.00783 U	0.00842 U	0.00874 U	0.00849 U	0.0108 U	0.00805 U	0.00806 U
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.0149 U	0.016 U	0.0166 U	0.0161 U	0.0205 U	0.0153 U	0.0153 U
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0146 U	0.0157 U	0.0163 U	0.0158 U	0.0202 U	0.015 U	0.015 U
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.0118 U	0.0127 U	0.0132 U	0.0128 U	0.0163 U	0.0121 U	0.0121 U
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.0485 R	0.0521 R	0.0541 U	0.0526 U	0.067 U	0.0498 U	0.0499 U
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.0459 U	0.0493 U	0.0512 U	0.0497 U	0.0634 U	0.0471 U	0.0472 U
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.00982 U	0.0106 U	0.011 U	0.0106 U	0.0136 U	0.0101 U	0.0101 U
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.00846 U	0.00909 U	0.00944 U	0.00917 U	0.0117 U	0.0087 U	0.00871 U
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.00856 U	0.0092 U	0.00955 U	0.00927 U	0.0118 U	0.00879 U	0.00881 U
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.0059 U	0.00634 U	0.00658 U	0.00639 U	0.00815 U	0.00606 U	0.00607 U
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00694 U	0.00746 U	0.00775 U	0.00752 U	0.0096 U	0.00713 U	0.00715 U
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.00933 U	0.01 U	0.0104 U	0.0101 U	0.0129 U	0.00959 U	0.0096 U
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.0075 U	0.00806 U	0.00837 U	0.00813 U	0.0104 U	0.00771 U	0.00772 U
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0317 U	0.0341 U	0.0354 U	0.0344 U	0.0439 U	0.0326 U	0.0327 U
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.183 U	0.197 U	0.204 R	0.198 R	0.253 U	0.188 U	0.188 U
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.00861 U	0.00925 U	0.0096 U	0.00933 U	0.0119 U	0.00884 U	0.00886 U
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.0061 U	0.00655 U	0.0068 U	0.00661 U	0.00843 U	0.00626 U	0.00628 U
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.0427 U	0.0459 U	0.0476 U	0.0462 U	0.059 U	0.0438 U	0.0439 U
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.0386 U	0.0415 U	0.0431 U	0.0419 U	0.0534 U	0.0397 U	0.0398 U
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0187 U	0.0201 U	0.0208 U	0.0202 U	0.0258 U	0.0192 U	0.0192 U
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.00903 U	0.00971 U	0.0101 U	0.00979 U	0.0125 U	0.00928 U	0.0093 U
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.0125 U	0.0134 U	0.0139 U	0.0135 U	0.0173 U	0.0128 U	0.0128 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

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Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	(EXCAVATED) SWMUB71-A1 0.0-0.5 03/24/2007 Normal	(EXCAVATED) SWMUB71-A1 4.5-5.0 03/24/2007 Normal	(EXCAVATED) SWMUB71-A1 8.5-9.0 03/29/2007 Duplicate	(EXCAVATED) SWMUB71-A1 8.5-9.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 0.0-0.5 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 3.5-4.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 4.5-5.0 03/29/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.0366 U	0.0393 U	0.0408 U	0.0397 U	0.0506 U	0.0376 U	0.0377 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.00504 U	0.00542 U	0.00562 U	0.00546 U	0.00697 U	0.00518 U	0.00519 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.00644 U	0.00692 U	0.491	0.00698 U	0.00891 U	0.00662 U	0.00663 U
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.0233 U	0.025 U	0.026 U	0.0252 U	0.0322 U	0.0239 U	0.024 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.00789 U	0.00848 U	0.00881 U	0.00855 U	0.0109 U	0.00811 U	0.00812 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.00823 U	0.00884 U	0.00918 U	0.00891 U	0.0114 U	0.00845 U	0.00847 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.0104 U	0.0112 U	0.0116 U	0.0113 U	0.0144 U	0.0107 U	0.0107 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.0066 U	0.00709 U	0.00736 U	0.00715 U	0.00912 U	0.00678 U	0.00679 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0114 U	0.0123 U	0.0127 U	0.0124 U	0.0158 U	0.0117 U	0.0118 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0383 U	0.0411 U	0.0427 U	0.0415 U	0.0529 U	0.0393 U	0.0394 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.029 U	0.0312 U	0.0324 U	0.0314 U	0.0401 U	0.0298 U	0.0299 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.0523 U	0.0562 U	0.0584 U	0.0567 U	0.0723 U	0.0537 U	0.0538 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0271 U	0.0291 U	0.0302 U	0.0294 U	0.0375 U	0.0278 U	0.0279 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.00547 U	0.00588 U	0.0061 U	0.00593 U	0.00756 U	0.00562 U	0.00563 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0314 U	0.0337 U	0.035 U	0.034 U	0.0434 U	0.0322 U	0.0323 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0404 U	0.0434 U	0.0451 U	0.0438 U	0.0559 U	0.0415 U	0.0416 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.00889 U	0.00955 U	0.00992 U	0.00963 U	0.0123 U	0.00913 U	0.00915 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.013 U	0.0139 U	0.264 J	0.665	0.0179 U	0.0133 U	0.256 J
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0348 U	0.0374 U	0.0389 U	0.0377 U	0.0481 U	0.0358 U	0.0358 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00613 U	0.00659 U	0.00684 U	0.00665 U	0.00848 U	0.0063 U	0.00631 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.00813 U	0.00874 U	0.00907 U	0.00881 U	0.0112 U	0.00835 U	0.00837 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0183 U	0.0197 U	0.0204 U	0.0198 U	0.0253 U	0.0188 U	0.0188 U
VOCs												
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000169 U	0.000191 U	0.000204 U	0.00019 U	0.000284 U	0.000161 U	0.000191 U
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.000118 U	0.000134 U	0.000142 U	0.000133 U	0.000198 U	0.000112 U	0.000133 U
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.000173 U	0.000195 U	0.000208 U	0.000194 U	0.00029 U	0.000164 U	0.000195 U
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.00011 U	0.000124 U	0.000132 U	0.000123 U	0.000184 U	0.000104 U	0.000124 U
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000153 R	0.000173 R	0.000184 U	0.000172 U	0.000256 U	0.000145 U	0.000172 U
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000345 U	0.00039 U	0.000415 U	0.000387 U	0.000578 U	0.000328 U	0.000389 U
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.000125 U	0.000141 U	0.00015 U	0.00014 U	0.000209 U	0.000119 U	0.000141 U
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.000228 U	0.000257 U	0.000274 U	0.000256 U	0.000382 U	0.000217 U	0.000257 U
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000236 U	0.000266 U	0.000283 U	0.000264 U	0.000395 U	0.000224 U	0.000266 U
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000315 U	0.000355 U	0.000378 U	0.000353 U	0.000527 U	0.000299 U	0.000355 U
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	0.00019 U	0.000215 U	0.000229 U	0.000214 U	0.000319 U	0.000181 U	0.000215 U
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.000833 U	0.00094 U	0.001 U	0.000934 U	0.0014 U	0.000791 U	0.000939 U
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000144 U	0.000163 U	0.000174 U	0.000162 U	0.000242 U	0.000137 U	0.000163 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.00011 U	0.000124 U	0.000132 U	0.000123 U	0.000184 U	0.000104 U	0.000124 U
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.00011 U	0.000124 U	0.000132 U	0.000123 U	0.000184 U	0.000104 U	0.000124 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	(EXCAVATED) SWMUB71-A1 0.0-0.5 03/24/2007 Normal	(EXCAVATED) SWMUB71-A1 4.5-5.0 03/24/2007 Normal	(EXCAVATED) SWMUB71-A1 8.5-9.0 03/29/2007 Duplicate	(EXCAVATED) SWMUB71-A1 8.5-9.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 0.0-0.5 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 3.5-4.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 4.5-5.0 03/29/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000108 U	0.000122 U	0.00013 U	0.000121 U	0.00018 U	0.000102 U	0.000121 U
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.000157 U	0.000177 U	0.000189 U	0.000176 U	0.000263 U	0.000149 U	0.000177 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.000227 R	0.000256 R	0.000273 U	0.000255 U	0.00038 U	0.000216 U	0.000256 U
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000131 U	0.000148 U	0.000157 U	0.000147 U	0.000219 U	0.000124 U	0.000147 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.000405 U	0.000457 U	0.000487 U	0.000454 U	0.000678 U	0.000385 U	0.000456 U
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.000116 U	0.000131 U	0.00014 U	0.000131 U	0.00661 J	0.000111 U	0.000131 U
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000169 U	0.000191 U	0.000204 U	0.00019 U	0.000284 U	0.000161 U	0.000191 U
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000144 U	0.000163 U	0.000174 U	0.000162 U	0.000242 U	0.000137 U	0.000163 U
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000313 U	0.000353 U	0.000376 U	0.000351 U	0.000524 U	0.000297 U	0.000352 U
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.00534	0.00347 J	0.00471 J	0.00443 J	0.00843 J	0.00248 J	0.000113 U
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000226 U	0.000255 U	0.000272 U	0.000254 U	0.000379 U	0.000215 U	0.000255 U
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000248 U	0.00028 U	0.000298 U	0.000278 U	0.000416 U	0.000236 U	0.00028 U
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.00013 U	0.000147 U	0.000156 U	0.000146 U	0.000217 U	0.000123 U	0.000146 U
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.000163 U	0.000184 U	0.000196 U	0.000182 U	0.000272 U	0.000154 U	0.000183 U
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000115 U	0.00013 U	0.000139 U	0.000129 U	0.000193 U	0.00011 U	0.00013 U
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000159 U	0.000179 U	0.000191 U	0.000178 U	0.000266 U	0.000151 U	0.000179 U
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.000583 U	0.000658 U	0.000701 R	0.000654 R	0.000976 R	0.000554 R	0.000657 R
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.000136 U	0.000153 U	0.000163 U	0.000152 U	0.000227 U	0.000129 U	0.000153 U
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000121 U	0.000137 U	0.000146 U	0.000136 U	0.000203 U	0.000115 U	0.000137 U
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000111 U	0.000125 U	0.000133 U	0.000124 U	0.000185 U	0.000105 U	0.000125 U
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.000087 U	0.000098 U	0.000104 U	0.000097 U	0.000145 U	0.000082 U	0.000098 U
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.00015 U	0.000169 U	0.00018 U	0.000168 U	0.000251 U	0.000143 U	0.000169 U
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.00035 U	0.000395 U	0.000421 U	0.000393 U	0.000586 U	0.000333 U	0.000395 U
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.000199 U	0.000225 U	0.000239 U	0.000223 U	0.000333 U	0.000189 U	0.000224 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0012 U	0.00135 U	0.00144 U	0.00134 U	0.00201 U	0.00114 U	0.00135 U
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000147 U	0.000166 U	0.000177 U	0.000165 U	0.000246 U	0.00014 U	0.000166 U
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.000383 U	0.000432 U	0.00046 U	0.000429 U	0.000641 U	0.000364 U	0.000432 U
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.000698 R	0.00163 R	0.00174 U	0.00162 U	0.00242 U	0.00138 U	0.00163 U
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.000446 U	0.000504 U	0.000537 U	0.000501 U	0.000748 U	0.000424 U	0.000503 U
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000461 U	0.00052 U	0.000554 U	0.000517 U	0.000772 U	0.000438 U	0.000519 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.000362 U	0.000408 U	0.000435 U	0.000406 U	0.000606 U	0.000344 U	0.000408 U
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.000171 U	0.000193 U	0.000206 U	0.000192 U	0.000287 U	0.000163 U	0.000193 U
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000135 U	0.000152 U	0.000162 U	0.000151 U	0.000226 U	0.000128 U	0.000152 U
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.000167 U	0.000189 U	0.000201 U	0.000188 U	0.00028 U	0.000159 U	0.000189 U
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.000155 U	0.000175 U	0.000186 U	0.000174 U	0.000259 U	0.000147 U	0.000175 U
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000113 U	0.000127 U	0.000135 U	0.000126 U	0.000188 U	0.000107 U	0.000127 U
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.000146 U	0.000165 U	0.000176 U	0.000164 U	0.000245 U	0.000139 U	0.000165 U
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000242 U	0.000274 U	0.000292 U	0.000272 U	0.000406 U	0.00023 U	0.000273 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	(EXCAVATED) SWMUB71-A1 0.0-0.5 03/24/2007 Normal	(EXCAVATED) SWMUB71-A1 4.5-5.0 03/24/2007 Normal	(EXCAVATED) SWMUB71-A1 8.5-9.0 03/29/2007 Duplicate	(EXCAVATED) SWMUB71-A1 8.5-9.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 0.0-0.5 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 3.5-4.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-A2 4.5-5.0 03/29/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000185 U	0.000208 U	0.000222 U	0.000207 U	0.000309 U	0.000175 U	0.000208 U
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.00478 J	0.00267 J	0.00399 J	0.0035 J	0.00994 J	0.000503 U	0.000596 U
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000158 U	0.000178 U	0.00019 U	0.000177 U	0.000264 U	0.00015 U	0.000178 U
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.000136 U	0.000153 U	0.000163 U	0.000152 U	0.000227 U	0.000129 U	0.000153 U
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.00017 U	0.000192 U	0.000205 U	0.000191 U	0.000285 U	0.000162 U	0.000192 U
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.000242 R	0.000274 R	0.000292 U	0.000272 U	0.000406 U	0.00023 U	0.000273 U
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000338 U	0.000381 U	0.000406 U	0.000379 U	0.000565 U	0.000321 U	0.000381 U

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**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-A3 3.5-4.0 03/28/2007 Normal	SWMUB71-A4 3.5-4.0 03/28/2007 Normal	SWMUB71-A5 4.0-4.5 03/28/2007 Normal	SWMUB71-A6 5.5-6.0 03/29/2007 Normal	SWMUB71-A8 2.5-3.0 03/29/2007 Normal	SWMUB71-A8 2.5-3.0 03/29/2007 Duplicate	SWMUB71-A8 4.5-5.0 03/29/2007 Normal
		30-Acre Source ^{SoilComb}	30-Acre Source ^{SoilIng}	30-Acre Source ^{SoilIng}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Explosives												
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0562 R	0.0512 R	0.0641 R	0.0475 U	0.0552 R	0.0547 U	0.0579 U
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0326 R	0.0297 R	0.0372 R	0.0275 U	0.0321 R	0.0318 U	0.0336 U
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.0966 R	0.0879 R	0.11 R	0.0815 U	0.0948 R	0.094 U	0.0994 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0604 R	0.0549 R	0.0687 R	0.0509 U	0.0593 R	0.0587 U	0.0621 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.11 R	0.1 R	0.126 R	0.0932 U	0.108 R	0.107 U	0.114 U
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0329 R	0.0299 R	0.0375 R	0.0278 U	0.0323 R	0.032 U	0.0339 U
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.11 R	0.1 R	0.125 R	0.0928 U	0.108 R	0.107 U	0.113 U
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0667 R	0.0607 R	0.076 R	0.0563 U	0.0655 R	0.0649 U	0.0687 U
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0478 R	0.0435 R	0.0544 R	0.0403 U	0.0469 R	0.0465 U	0.0492 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0326 R	0.0297 R	0.0372 R	0.0275 U	0.0321 R	0.0318 U	0.0336 U
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0507 R	0.0461 R	0.0577 R	0.0428 U	0.0498 R	0.0493 U	0.0522 U
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.149 R	0.135 R	0.169 R	0.125 R	0.146 R	0.145 R	0.153 R
Metals												
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	5.07	3.6 B	5.68	9.25	5.65	5	4.66
Barium	300 ²	7.8E+03	2.2E+02	---	300	168	64.1 M	142	62.1 M	140	149	106 M
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.38	0.078 U	0.19 B	0.072 U	0.2 B	0.21 B	0.018 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	21.3	13.1	23.6	13.5	23	21.5	23.3
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	18.1 M	10.5 M	12.7 M	6.27 M	18.6 M	8.78 M	16.6 M
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	44.7 M	73.7 M	24.6 M	18.8 M	32.5 M	14.5 M	64.2 M
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.012 B	0.0064 B	0.011 B	0.004 U	0.012 B	0.0089 B	0.0049 U
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	21.7	11.4	20	13.8	17.3	18.9	16.5
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	44.1	32.4 B	38.7	20.7 B	42.4	30.3	46.7 M
PCBs												
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
SVOCs												
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.0384 U	0.0351 U	0.044 U	0.0326 U	0.0378 U	0.0373 U	0.0395 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.065 U	0.0595 U	0.0745 U	0.0552 U	0.0641 U	0.0633 U	0.0669 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.0678 U	0.0621 U	0.0777 U	0.0576 U	0.0668 U	0.0659 U	0.0698 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.0616 U	0.0564 U	0.0706 U	0.0523 U	0.0607 U	0.0599 U	0.0634 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-A3 3.5-4.0 03/28/2007 Normal	SWMUB71-A4 3.5-4.0 03/28/2007 Normal	SWMUB71-A5 4.0-4.5 03/28/2007 Normal	SWMUB71-A6 5.5-6.0 03/29/2007 Normal	SWMUB71-A8 2.5-3.0 03/29/2007 Normal	SWMUB71-A8 2.5-3.0 03/29/2007 Duplicate	SWMUB71-A8 4.5-5.0 03/29/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.00611 U	0.00559 U	0.007 U	0.00519 U	0.00602 U	0.00594 U	0.00629 U
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.00982 U	0.009 U	0.0113 U	0.00835 U	0.00968 U	0.00956 U	0.0101 U
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.0075 U	0.00687 U	0.0086 U	0.00637 U	0.00739 U	0.0073 U	0.00772 U
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0326 U	0.0298 U	0.0373 U	0.0277 U	0.0321 U	0.0317 U	0.0335 U
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.0714 U	0.0654 U	0.0819 U	0.0607 U	0.0704 U	0.0695 U	0.0736 U
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.025 U	0.0229 R	0.0286 U	0.0212 U	0.0246 R	0.0243 R	0.0257 R
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0353 U	0.0324 U	0.0405 U	0.03 U	0.0348 U	0.0344 U	0.0364 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.00749 U	0.00686 U	0.00858 U	0.00636 U	0.00738 U	0.00728 U	0.00771 U
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.0318 U	0.0291 U	0.0364 U	0.027 U	0.0313 U	0.0309 U	0.0327 U
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0326 U	0.0298 U	0.0373 U	0.0277 U	0.0321 U	0.0317 U	0.0335 U
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.00935 U	0.00857 U	0.0107 U	0.00795 U	0.00922 U	0.0091 U	0.00963 U
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.0221 U	0.0202 U	0.0253 U	0.0187 U	0.0217 U	0.0215 U	0.0227 U
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.00992 U	0.00908 U	0.0114 U	0.00843 U	0.00977 U	0.00965 U	0.0102 U
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0126 U	0.0115 U	0.0144 U	0.0107 U	0.0124 U	0.0123 U	0.013 U
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.0127 U	0.0116 U	0.0145 U	0.0108 U	0.0125 U	0.0123 U	0.013 U
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.0735 U	0.0674 U	0.0843 U	0.0625 U	0.0725 U	0.0716 U	0.0757 U
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.00866 U	0.00793 U	0.00992 U	0.00735 U	0.00853 U	0.00842 U	0.00891 U
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.0164 U	0.015 U	0.0188 U	0.014 U	0.0162 U	0.016 U	0.0169 U
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0162 U	0.0148 U	0.0185 U	0.0137 U	0.0159 U	0.0157 U	0.0166 U
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.013 U	0.0119 U	0.0149 U	0.0111 U	0.0128 U	0.0127 U	0.0134 U
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.0536 U	0.0491 U	0.0614 U	0.0455 U	0.0528 U	0.0521 U	0.0552 U
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.0507 U	0.0464 U	0.0581 U	0.0431 U	0.05 U	0.0493 U	0.0522 U
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.0108 U	0.00994 U	0.0124 U	0.00922 U	0.0107 U	0.0106 U	0.0112 U
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.00935 U	0.00857 U	0.0107 U	0.00795 U	0.00922 U	0.0091 U	0.00963 U
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.00946 U	0.00866 U	0.0108 U	0.00804 U	0.00932 U	0.0092 U	0.00974 U
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.00651 U	0.00597 U	0.00747 U	0.00554 U	0.00642 U	0.00634 U	0.00671 U
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00767 U	0.00703 U	0.00879 U	0.00652 U	0.00756 U	0.00746 U	0.0079 U
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.0103 U	0.00944 U	0.0118 U	0.00876 U	0.0102 U	0.01 U	0.0106 U
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.0249 J	0.00759 U	0.0095 U	0.00704 U	0.00817 U	0.00806 U	0.00853 U
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0351 U	0.0321 U	0.0402 U	0.0298 U	0.0346 U	0.0341 U	0.0361 U
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.202 U	0.185 R	0.232 U	0.172 U	0.199 R	0.197 R	0.208 M
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.00951 U	0.00871 U	0.0109 U	0.00808 U	0.00937 U	0.00925 U	0.00979 U
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.00674 U	0.00617 U	0.00772 U	0.00573 U	0.00664 U	0.00656 U	0.00694 U
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.0471 U	0.0432 U	0.0541 U	0.0401 U	0.0465 U	0.0459 U	0.0485 U
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.0427 U	0.0391 U	0.0489 U	0.0363 U	0.0421 U	0.0415 U	0.0439 U
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0206 U	0.0189 U	0.0236 U	0.0175 U	0.0203 U	0.0201 U	0.028 J
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.00998 U	0.00914 U	0.0114 U	0.00848 U	0.00984 U	0.00971 U	0.0103 U
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.0138 U	0.0126 U	0.0158 U	0.0117 U	0.0136 U	0.0134 U	0.0142 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-A3	SWMUB71-A4	SWMUB71-A5	SWMUB71-A6	SWMUB71-A8	SWMUB71-A8	SWMUB71-A8
		Tier 1 PCL ³ 30-Acre Source	Tier 1 PCL ³ 30-Acre Source	Tier 2 PCL ³ 30-Acre Source		3.5-4.0 03/28/2007 Normal	3.5-4.0 03/28/2007 Normal	4.0-4.5 03/28/2007 Normal	5.5-6.0 03/29/2007 Normal	2.5-3.0 03/29/2007 Normal	2.5-3.0 03/29/2007 Duplicate	4.5-5.0 03/29/2007 Normal
		^{SoilComb}	^{SoilInq}	^{SoilInq}								
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.0405 U	0.0371 U	0.0464 U	0.0344 U	0.0399 U	0.0394 U	0.0416 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.00557 U	0.0051 U	0.00638 U	0.00473 U	0.00549 U	0.00542 U	0.00573 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.0119 J	0.00652 U	0.079 J	0.00605 U	0.00701 U	0.00693 U	0.156 J
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.0257 U	0.0236 U	0.0295 U	0.0219 U	0.0254 U	0.025 U	0.0265 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.00872 U	0.00799 U	0.01 U	0.00741 U	0.00859 U	0.00849 U	0.00898 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.00909 U	0.00832 U	0.0104 U	0.00772 U	0.00896 U	0.00884 U	0.00936 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.0115 U	0.0106 U	0.0132 U	0.0098 U	0.0114 U	0.0112 U	0.0119 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.00729 U	0.00668 U	0.00836 U	0.00619 U	0.00718 U	0.00709 U	0.0075 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0126 U	0.0116 U	0.0145 U	0.0107 U	0.0124 U	0.0123 U	0.013 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0423 U	0.0387 U	0.0485 U	0.0359 U	0.0417 U	0.0412 U	0.0435 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.032 U	0.0294 U	0.0367 U	0.0272 U	0.0316 U	0.0312 U	0.033 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.0578 U	0.0529 U	0.0662 U	0.0491 U	0.0569 U	0.0562 U	0.0595 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0299 U	0.0274 U	0.0343 U	0.0254 U	0.0295 U	0.0291 U	0.0308 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.00604 U	0.00553 U	0.00693 U	0.00513 U	0.00595 U	0.00588 U	0.00622 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0347 U	0.0318 U	0.0397 U	0.0295 U	0.0342 U	0.0337 U	0.0357 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0447 U	0.0409 U	0.0512 U	0.0379 U	0.044 U	0.0435 U	0.046 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.00982 U	0.009 U	0.0113 U	0.00835 U	0.00968 U	0.00956 U	0.0101 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.0143 U	0.0131 U	0.0164 U	0.0122 U	0.0141 U	0.0139 U	0.0147 U
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0385 U	0.0352 U	0.0441 U	0.0327 U	0.0379 U	0.0374 U	0.0396 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00678 U	0.00621 U	0.00777 U	0.00576 U	0.00668 U	0.00659 U	0.00698 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.00898 U	0.00823 U	0.0103 U	0.00763 U	0.00885 U	0.00874 U	0.00925 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0202 U	0.0185 U	0.0232 U	0.0172 U	0.0199 U	0.0197 U	0.0208 U
VOCs												
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000179 U	0.000166 U	0.000176 U	0.000159 U	0.000186 U	0.000188 U	0.000219 U
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.000125 U	0.000116 U	0.000123 U	0.000111 U	0.00013 U	0.000132 U	0.000153 U
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.000183 U	0.00017 U	0.00018 U	0.000163 U	0.00019 U	0.000193 U	0.000223 U
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.000116 U	0.000108 U	0.000114 U	0.000103 U	0.000121 U	0.000122 U	0.000142 U
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000162 U	0.00015 U	0.000159 U	0.000144 U	0.000168 U	0.00017 U	0.000197 U
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000365 U	0.000339 U	0.000358 U	0.000325 U	0.00038 U	0.000384 U	0.000446 U
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.000132 U	0.000123 U	0.00013 U	0.000118 U	0.000137 U	0.000139 U	0.000161 U
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.000241 U	0.000224 U	0.000236 U	0.000214 U	0.000251 U	0.000254 U	0.000294 M
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000249 U	0.000231 U	0.000244 U	0.000222 U	0.000259 U	0.000262 U	0.000304 U
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000333 U	0.000309 U	0.000326 U	0.000296 U	0.000346 U	0.00035 U	0.000406 M
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	0.000201 U	0.000187 U	0.000198 U	0.000179 U	0.000209 U	0.000212 U	0.000246 M
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.000881 U	0.000818 U	0.000864 U	0.000783 U	0.000916 U	0.000927 U	0.00108 U
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000153 U	0.000142 U	0.00015 U	0.000136 U	0.000159 U	0.000161 U	0.000186 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000116 U	0.000108 U	0.000114 U	0.000103 U	0.000121 U	0.000122 U	0.000142 M
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000116 U	0.000108 U	0.000114 U	0.000103 U	0.000121 U	0.000122 U	0.000142 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-A3 3.5-4.0 03/28/2007 Normal	SWMUB71-A4 3.5-4.0 03/28/2007 Normal	SWMUB71-A5 4.0-4.5 03/28/2007 Normal	SWMUB71-A6 5.5-6.0 03/29/2007 Normal	SWMUB71-A8 2.5-3.0 03/29/2007 Normal	SWMUB71-A8 2.5-3.0 03/29/2007 Duplicate	SWMUB71-A8 4.5-5.0 03/29/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000114 U	0.000106 U	0.000112 U	0.000101 U	0.000118 U	0.00012 U	0.000139 U
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.000166 U	0.000154 U	0.000163 U	0.000147 U	0.000172 U	0.000174 U	0.000202 M
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.00024 U	0.000223 U	0.000235 U	0.000213 U	0.00025 U	0.000253 U	0.000293 M
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000138 U	0.000128 U	0.000136 U	0.000123 U	0.000144 U	0.000146 U	0.000169 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.000428 U	0.000398 U	0.00042 U	0.000381 U	0.000445 U	0.000451 U	0.000523 M
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.000123 U	0.000114 U	0.000121 U	0.000109 U	0.000128 U	0.00013 U	0.00015 M
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000179 U	0.000166 U	0.000176 U	0.000159 U	0.000186 R	0.000188 R	0.000219 U
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000153 U	0.000142 U	0.00015 U	0.000136 U	0.000159 U	0.000161 U	0.000186 M
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000331 U	0.000307 U	0.000324 U	0.000294 U	0.000344 U	0.000348 U	0.000403 M
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.000106 U	0.000098 U	0.000473 J	0.000094 U	0.00011 U	0.00011 U	0.000129 U
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000239 U	0.000222 U	0.000234 U	0.000213 U	0.000249 U	0.000252 U	0.000292 M
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000262 U	0.000244 U	0.000257 U	0.000233 U	0.000273 R	0.000276 R	0.00032 U
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.000137 U	0.000127 U	0.000135 U	0.000122 U	0.000143 U	0.000144 U	0.000168 U
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.000172 U	0.00016 U	0.000169 U	0.000153 U	0.000179 U	0.000181 U	0.00021 U
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000122 U	0.000113 U	0.00012 U	0.000109 U	0.000127 U	0.000128 U	0.000149 U
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000168 U	0.000156 U	0.000165 U	0.000149 U	0.000174 U	0.000177 U	0.000205 U
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.000616 U	0.000572 U	0.000605 U	0.000548 R	0.000641 R	0.000649 R	0.000752 U
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.000143 U	0.000133 U	0.000141 U	0.000128 U	0.000149 U	0.000151 U	0.000175 U
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000128 U	0.000119 U	0.000126 U	0.000114 U	0.000133 U	0.000135 U	0.000156 U
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000117 U	0.000109 U	0.000115 U	0.000104 U	0.000122 U	0.000123 U	0.000143 U
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.000092 U	0.000085 U	0.00009 U	0.000081 U	0.000095 U	0.000096 U	0.000112 U
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.000159 U	0.000147 U	0.000156 U	0.000141 U	0.000165 U	0.000167 U	0.000194 U
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.00037 U	0.000344 U	0.000363 U	0.000329 U	0.000385 U	0.00039 U	0.000452 U
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.000211 U	0.000195 U	0.000207 U	0.000187 U	0.000219 U	0.000222 U	0.000257 M
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.00127 U	0.00118 U	0.00124 U	0.00113 U	0.00132 U	0.00133 U	0.00155 M
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000156 U	0.000144 U	0.000153 U	0.000138 U	0.000162 U	0.000164 U	0.00019 M
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.000405 U	0.000376 U	0.000397 U	0.00036 U	0.000421 U	0.000426 U	0.000494 M
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.00153 U	0.00142 U	0.0015 U	0.00136 U	0.00159 U	0.00161 U	0.00187 M
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.000472 U	0.000438 U	0.000463 U	0.00042 U	0.000491 U	0.000497 U	0.000576 U
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000487 U	0.000452 U	0.000478 U	0.000433 U	0.000507 U	0.000513 U	0.000595 M
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.000382 U	0.000355 U	0.000375 U	0.00034 U	0.000398 U	0.000402 U	0.000467 M
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.000181 U	0.000168 U	0.000178 U	0.000161 U	0.000188 U	0.000191 U	0.000221 M
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000142 U	0.000132 U	0.00014 U	0.000127 U	0.000148 U	0.00015 U	0.000174 M
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.000177 U	0.000164 U	0.000174 U	0.000157 U	0.000184 U	0.000186 U	0.000216 M
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.000164 U	0.000152 U	0.000161 U	0.000146 U	0.00017 U	0.000172 U	0.0002 M
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000119 U	0.00011 U	0.000117 U	0.000106 U	0.000124 U	0.000125 U	0.000145 M
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.000155 U	0.000144 U	0.000152 U	0.000137 U	0.000161 U	0.000163 U	0.000189 M
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000256 U	0.000238 U	0.000251 U	0.000228 U	0.000266 U	0.00027 U	0.000313 M

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-A3 3.5-4.0 03/28/2007 Normal	SWMUB71-A4 3.5-4.0 03/28/2007 Normal	SWMUB71-A5 4.0-4.5 03/28/2007 Normal	SWMUB71-A6 5.5-6.0 03/29/2007 Normal	SWMUB71-A8 2.5-3.0 03/29/2007 Normal	SWMUB71-A8 2.5-3.0 03/29/2007 Duplicate	SWMUB71-A8 4.5-5.0 03/29/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000195 U	0.000181 U	0.000192 U	0.000174 U	0.000203 U	0.000205 U	0.000238 U
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.000559 U	0.000519 U	0.00485 J	0.000497 U	0.000582 U	0.000589 U	0.000683 U
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000167 U	0.000155 U	0.000164 U	0.000148 U	0.000173 U	0.000176 U	0.000204 U
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.000143 U	0.000133 U	0.000141 U	0.000128 U	0.000149 U	0.000151 U	0.000175 U
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.00018 U	0.000167 U	0.000177 U	0.00016 U	0.000187 U	0.000189 U	0.00022 U
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.000256 U	0.000238 U	0.000251 U	0.000228 U	0.000266 R	0.00027 R	0.000313 U
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000357 U	0.000331 U	0.00035 U	0.000317 U	0.000371 U	0.000376 U	0.000436 U

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**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	(EXCAVATED) SWMUB71-B1 0.0-0.5 03/25/2007 Normal (mg/kg)	(EXCAVATED) SWMUB71-B1 4.0-4.5 03/25/2007 Normal (mg/kg)	(EXCAVATED) SWMUB71-B1 7.5-8.0 03/25/2007 Normal (mg/kg)	SWMUB71-B2 4.5-5.0 03/29/2007 Normal (mg/kg)	SWMUB71-B3 0.0-0.5 03/29/2007 Normal (mg/kg)	SWMUB71-B3 4.0-4.5 03/29/2007 Normal (mg/kg)	SWMUB71-B4 4.0-5.0 03/28/2007 Normal (mg/kg)
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}								
Explosives												
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0527 U	0.053 U	0.0508 U	0.0553 U	0.0586 U	0.0546 U	0.0581 R
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0306 U	0.0308 U	0.0295 U	0.0321 U	0.034 U	0.0317 U	0.0337 R
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.0905 U	0.091 U	0.0872 U	0.0949 U	0.101 U	0.0937 U	0.0997 R
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0566 U	0.0569 U	0.0545 U	0.0593 U	0.0629 U	0.0586 U	0.0623 R
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.103 U	0.104 U	0.0996 U	0.108 U	0.115 U	0.107 U	0.114 R
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0308 U	0.031 U	0.0297 U	0.0323 U	0.0343 U	0.0319 U	0.034 R
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.103 U	0.104 U	0.0993 U	0.108 U	0.115 U	0.107 U	0.114 R
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0625 U	0.0629 U	0.0602 U	0.0656 U	0.0695 U	0.0647 U	0.0689 R
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0448 U	0.045 U	0.0431 U	0.0469 U	0.0498 U	0.0463 U	0.0493 R
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0306 U	0.0308 U	0.0295 U	0.0321 U	0.034 U	0.0317 U	0.0337 R
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0475 U	0.0478 U	0.0457 U	0.0498 U	0.0528 U	0.0492 U	0.0523 R
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.139 R	0.14 R	0.134 R	0.146 R	0.155 R	0.144 R	0.153 R
Metals												
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	5.1	6.01 B	14.8	5.59 B	4.41	2.05 B	4.65
Barium	300 ²	7.8E+03	2.2E+02	---	300	92.1 M	131 M	109 M	127 J	148 M	50.3 M	104 M
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.032 U	2.02	0.077 U	0.017 U	0.018 U	0.084 U	0.018 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	17.8	30.1	47.7	26.2	25.3	8.02	20.6
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	232 J	3050 J	4290 J	7.75	8.13 M	2.59 M	5.77 M
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	278 J	23700 J	41500 J	16.2 B	46 M	7.81 M	13.6 M
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.013	0.19	0.21	0.0046 U	0.0049 U	0.0046 U	0.0049 U
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	16.1	384	189	18.6	21.1	10.5	13.5
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	308	3980	5400	33.6	31.7 M	7.85 J	24.8 B
PCBs												
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
SVOCs												
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.0357 U	0.0364 U	0.0346 U	0.0378 U	0.0404 U	0.0373 U	0.0397 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.0605 U	0.0617 U	0.0587 U	0.0641 U	0.0684 U	0.0633 U	0.0673 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.0631 U	0.0643 U	0.0612 U	0.0668 U	0.0713 U	0.066 U	0.0702 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.0574 U	0.0584 U	0.0556 U	0.0607 U	0.0648 U	0.06 U	0.0638 U

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**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	(EXCAVATED) SWMUB71-B1 0.0-0.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-B1 4.0-4.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-B1 7.5-8.0 03/25/2007 Normal	SWMUB71-B2 4.5-5.0 03/29/2007 Normal	SWMUB71-B3 0.0-0.5 03/29/2007 Normal	SWMUB71-B3 4.0-4.5 03/29/2007 Normal	SWMUB71-B4 4.0-5.0 03/28/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.00569 U	0.0058 U	0.00551 U	0.00602 U	0.00643 U	0.00594 U	0.00633 U
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.00915 U	0.00932 U	0.00887 U	0.00968 U	0.0103 U	0.00956 U	0.0102 U
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.00698 U	0.00712 U	0.00677 U	0.00739 U	0.00789 U	0.0073 U	0.00777 U
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0303 U	0.0309 U	0.0294 U	0.0321 U	0.0343 U	0.0317 U	0.0337 U
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.0665 U	0.0678 U	0.0645 U	0.0704 U	0.0752 U	0.0695 U	0.074 U
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.0232 U	0.0237 U	0.0225 U	0.0246 U	0.0263 R	0.0243 R	0.0258 R
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0329 U	0.0335 U	0.0319 U	0.0348 U	0.0372 U	0.0344 U	0.0366 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.00697 U	0.0071 U	0.00676 U	0.00738 U	0.00788 U	0.00729 U	0.00775 U
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.0296 U	0.0302 U	0.0287 U	0.0313 U	0.0335 U	0.0309 U	0.0329 U
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0303 U	0.0309 U	0.0294 U	0.0321 U	0.0343 U	0.0317 U	0.0337 U
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.00871 U	0.00887 U	0.00844 U	0.00922 U	0.00984 U	0.0091 U	0.00968 U
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.0205 U	0.0209 U	0.0199 U	0.0218 U	0.0232 U	0.0215 U	0.0229 U
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.00923 U	0.00941 U	0.00895 U	0.00978 U	0.0104 U	0.00965 U	0.0103 U
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0117 U	0.012 U	0.0114 U	0.0124 U	0.0133 U	0.0123 U	0.013 U
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.0118 U	0.012 U	0.0114 U	0.0125 U	0.0133 U	0.0123 U	0.0131 U
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.0685 U	0.0698 U	0.0664 U	0.0725 U	0.0774 U	0.0716 U	0.0762 U
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.00806 U	0.00821 U	0.00781 U	0.00853 U	0.00911 U	0.00842 U	0.00896 U
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.0153 U	0.0156 U	0.0148 U	0.0162 U	0.0173 U	0.016 U	0.017 U
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.015 U	0.0153 U	0.0146 U	0.0159 U	0.017 U	0.0157 U	0.0167 U
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.0121 U	0.0124 U	0.0118 U	0.0128 U	0.0137 U	0.0127 U	0.0135 U
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.0499 R	0.0508 R	0.0484 R	0.0528 U	0.0564 U	0.0522 U	0.0555 U
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.0472 U	0.0481 U	0.0458 U	0.05 U	0.0534 U	0.0493 U	0.0525 U
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.0101 U	0.0103 U	0.00979 U	0.0107 U	0.0114 U	0.0106 U	0.0112 U
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.00871 U	0.00887 U	0.00844 U	0.00922 U	0.00984 U	0.0091 U	0.00968 U
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.00881 U	0.00897 U	0.00854 U	0.00932 U	0.00995 U	0.0092 U	0.00979 U
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.00607 U	0.00618 U	0.00588 U	0.00642 U	0.00686 U	0.00634 U	0.00675 U
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00714 U	0.00728 U	0.00692 U	0.00756 U	0.00807 U	0.00747 U	0.00794 U
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.0096 U	0.00978 U	0.00931 U	0.0102 U	0.0109 U	0.01 U	0.0107 U
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.00772 U	0.00786 U	0.00748 U	0.00817 U	0.00872 U	0.00807 U	0.00858 U
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0327 U	0.0333 U	0.0317 U	0.0346 U	0.0369 U	0.0341 U	0.0363 U
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.195 J	0.194 J	0.187 J	0.199 U	0.213 R	0.197 R	0.209 R
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.00886 U	0.00902 U	0.00858 U	0.00937 U	0.01 U	0.00926 U	0.00985 U
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.00627 U	0.00639 U	0.00608 U	0.00664 U	0.00709 U	0.00656 U	0.00698 U
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.0439 U	0.0447 U	0.0426 U	0.0465 U	0.0496 U	0.0459 U	0.0488 U
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.0398 U	0.0405 U	0.0385 U	0.0421 U	0.0449 U	0.0415 U	0.0442 U
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0192 U	0.0196 U	0.0186 U	0.0203 U	0.0217 U	0.0201 U	0.0305 J
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.0093 U	0.00947 U	0.00901 U	0.00984 U	0.0105 U	0.00972 U	0.0103 U
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.0128 U	0.0131 U	0.0125 U	0.0136 U	0.0145 U	0.0134 U	0.0143 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	(EXCAVATED) SWMUB71-B1 0.0-0.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-B1 4.0-4.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-B1 7.5-8.0 03/25/2007 Normal	SWMUB71-B2 4.5-5.0 03/29/2007 Normal	SWMUB71-B3 0.0-0.5 03/29/2007 Normal	SWMUB71-B3 4.0-4.5 03/29/2007 Normal	SWMUB71-B4 4.0-5.0 03/28/2007 Normal
		TotSoilComb 30-Acre Source	GWSoilIng 30-Acre Source	GWSoilIng 30-Acre Source		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.0377 U	0.0384 U	0.0365 U	0.0399 U	0.0426 U	0.0394 U	0.0419 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.00519 U	0.00528 U	0.00503 U	0.00549 U	0.00586 U	0.00542 U	0.00577 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.00663 U	0.00675 U	0.00643 U	0.00702 J	0.00749 U	0.00693 U	0.00737 U
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.024 U	0.0244 U	0.0232 U	0.0254 U	0.0271 U	0.0251 U	0.0267 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.00812 U	0.00828 U	0.00787 U	0.0086 U	0.00918 U	0.00849 U	0.00903 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.00846 U	0.00862 U	0.00821 U	0.00896 U	0.00957 U	0.00885 U	0.00941 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.0107 U	0.0109 U	0.0104 U	0.0114 U	0.0121 U	0.0112 U	0.0119 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.00679 U	0.00692 U	0.00658 U	0.00719 U	0.00767 U	0.0071 U	0.00755 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0118 U	0.012 U	0.0114 U	0.0124 U	0.0133 U	0.0123 U	0.0131 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0394 U	0.0401 U	0.0382 U	0.0417 U	0.0445 U	0.0412 U	0.0438 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.0298 U	0.0304 U	0.0289 U	0.0316 U	0.0337 U	0.0312 U	0.0332 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.0538 U	0.0548 U	0.0522 U	0.057 U	0.0608 U	0.0562 U	0.0599 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0279 U	0.0284 U	0.027 U	0.0295 U	0.0315 U	0.0291 U	0.031 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.00563 U	0.00573 U	0.00545 U	0.00596 U	0.00636 U	0.00588 U	0.00626 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0323 U	0.0329 U	0.0313 U	0.0342 U	0.0365 U	0.0337 U	0.0359 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0416 U	0.0424 U	0.0403 U	0.044 U	0.047 U	0.0435 U	0.0462 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.00915 U	0.00932 U	0.00887 U	0.00968 U	0.0103 U	0.00956 U	0.0102 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.0133 U	0.0136 U	0.538	0.0141 U	0.0151 U	0.0139 U	0.0148 U
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0358 U	0.0365 U	0.0347 U	0.0379 U	0.0405 U	0.0375 U	0.0399 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00631 U	0.00643 U	0.00612 U	0.00668 U	0.00713 U	0.0066 U	0.00702 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.00837 U	0.00852 U	0.00811 U	0.00886 U	0.00945 U	0.00874 U	0.0093 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0188 U	0.0192 U	0.0183 U	0.0199 U	0.0213 U	0.0197 U	0.0209 U
VOCs												
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000162 U	0.000172 U	0.000193 U	0.000214 U	0.000204 U	0.000171 U	0.00019 U
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.000113 U	0.00012 U	0.000135 U	0.000149 U	0.000142 U	0.00012 U	0.000133 U
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.000166 U	0.000176 U	0.000197 U	0.000218 U	0.000208 U	0.000175 U	0.000194 U
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.000105 U	0.000112 U	0.000125 U	0.000138 U	0.000132 U	0.000111 U	0.000123 U
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000146 R	0.000156 R	0.000174 R	0.000193 U	0.000184 U	0.000155 U	0.000172 U
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.00033 R	0.000351 R	0.000393 R	0.000436 U	0.000416 U	0.000349 U	0.000388 U
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.00012 U	0.000127 U	0.000142 U	0.000158 U	0.00015 U	0.000127 U	0.00014 U
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.000218 M	0.000232 U	0.000259 U	0.000288 U	0.000274 U	0.000231 U	0.000256 U
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000225 U	0.00024 U	0.000268 U	0.000297 U	0.000284 U	0.000238 U	0.000265 U
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000301 M	0.00032 U	0.000358 U	0.000397 U	0.000379 U	0.000318 U	0.000353 U
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	0.000182 U	0.000215 J	0.000217 U	0.00024 U	0.000229 U	0.000193 U	0.000214 U
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.000797 U	0.000847 U	0.000948 U	0.00105 U	0.001 U	0.000843 U	0.000935 U
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000138 U	0.000147 U	0.000164 U	0.000182 U	0.000174 U	0.000146 U	0.000162 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000105 U	0.000112 U	0.000125 U	0.000138 U	0.000132 U	0.000111 U	0.000123 U
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000105 U	0.000112 U	0.000125 U	0.000138 U	0.000132 U	0.000111 U	0.000123 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	(EXCAVATED) SWMUB71-B1 0.0-0.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-B1 4.0-4.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-B1 7.5-8.0 03/25/2007 Normal	SWMUB71-B2 4.5-5.0 03/29/2007 Normal	SWMUB71-B3 0.0-0.5 03/29/2007 Normal	SWMUB71-B3 4.0-4.5 03/29/2007 Normal	SWMUB71-B4 4.0-5.0 03/28/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000103 U	0.00011 U	0.000123 U	0.000136 U	0.00013 U	0.000109 U	0.000121 U
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.00015 U	0.000159 U	0.000178 U	0.000198 U	0.000189 U	0.000159 U	0.000176 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.000217 R	0.000231 R	0.000258 R	0.000286 U	0.000273 U	0.00023 U	0.000255 U
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000125 U	0.000133 U	0.000149 U	0.000165 U	0.000157 U	0.000132 U	0.000147 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.000387 U	0.000412 U	0.000461 U	0.000511 U	0.000487 U	0.00041 U	0.000455 U
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.000111 U	0.000118 U	0.000132 U	0.000147 U	0.00014 U	0.000118 U	0.000131 U
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000162 U	0.000172 U	0.000193 U	0.000214 U	0.000204 R	0.000171 R	0.00019 U
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000138 U	0.000147 U	0.000164 U	0.000182 U	0.000174 U	0.000146 U	0.000162 U
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000299 U	0.000318 U	0.000356 U	0.000394 U	0.000376 U	0.000316 U	0.000351 U
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.00552	0.0136	0.0107	0.00701	0.00012 U	0.000101 U	0.00538 J
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000216 U	0.00023 U	0.000257 U	0.000285 U	0.000272 U	0.000229 U	0.000254 U
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000237 U	0.000252 U	0.000282 U	0.000313 U	0.000299 R	0.000251 R	0.000279 U
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.000124 U	0.000132 U	0.000148 U	0.000164 U	0.000156 U	0.000131 U	0.000146 U
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.000155 U	0.000165 U	0.000185 U	0.000205 U	0.000196 U	0.000165 U	0.000183 U
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.00011 U	0.000117 U	0.000131 U	0.000146 U	0.000139 U	0.000117 U	0.00013 U
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000152 U	0.000161 U	0.000181 U	0.0002 U	0.000191 U	0.000161 U	0.000178 U
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.000557 R	0.000593 R	0.000663 R	0.000735 R	0.000702 R	0.00059 R	0.000654 U
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.00013 U	0.000138 U	0.000154 U	0.000171 U	0.000163 U	0.000137 U	0.000152 U
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000116 U	0.000123 U	0.000138 U	0.000153 U	0.000146 U	0.000123 U	0.000136 U
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000106 U	0.000113 U	0.000126 U	0.00014 U	0.000133 U	0.000112 U	0.000124 U
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.000083 U	0.000088 U	0.000099 U	0.000109 U	0.000104 U	0.000088 U	0.000097 U
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.000143 U	0.000153 U	0.000171 U	0.000189 U	0.000181 U	0.000152 U	0.000168 U
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.000335 U	0.000356 U	0.000398 U	0.000442 U	0.000421 U	0.000354 U	0.000393 U
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.00239 J	0.00393 J	0.0024 J	0.000251 U	0.00024 U	0.000202 U	0.000224 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.00115 M	0.00122 U	0.00136 U	0.00151 U	0.00144 U	0.00121 U	0.00134 U
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000141 U	0.00015 U	0.000167 U	0.000186 U	0.000177 U	0.000149 U	0.000165 U
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.00165 J	0.00505	0.00296 J	0.000483 U	0.000461 U	0.000387 U	0.00043 U
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.00138 R	0.00147 R	0.00165 R	0.00183 U	0.00174 U	0.00147 U	0.00163 U
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.000427 R	0.000454 U	0.000508 U	0.000563 U	0.000537 U	0.000452 U	0.000501 U
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000441 R	0.000469 R	0.000524 R	0.000581 U	0.000555 U	0.000466 U	0.000517 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.00129 M	0.00205 B	0.00163 B	0.000456 U	0.000435 U	0.000366 U	0.000406 U
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.000164 U	0.000174 U	0.000195 U	0.000216 U	0.000206 U	0.000173 U	0.000192 U
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000129 U	0.000137 U	0.000153 U	0.00017 U	0.000162 U	0.000136 U	0.000151 U
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.00016 U	0.00231 J	0.00149 J	0.000211 U	0.000201 U	0.000169 U	0.000188 U
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.000148 U	0.000158 U	0.000176 U	0.000195 U	0.000186 U	0.000157 U	0.000174 U
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000108 U	0.000114 U	0.000128 U	0.000142 U	0.000135 U	0.000114 U	0.000126 U
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.00014 U	0.000149 U	0.000166 U	0.000184 U	0.000176 U	0.000148 U	0.000164 U
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000232 U	0.000247 U	0.000276 U	0.000306 U	0.000292 U	0.000245 U	0.000272 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	(EXCAVATED) SWMUB71-B1 0.0-0.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-B1 4.0-4.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-B1 7.5-8.0 03/25/2007 Normal	SWMUB71-B2 4.5-5.0 03/29/2007 Normal	SWMUB71-B3 0.0-0.5 03/29/2007 Normal	SWMUB71-B3 4.0-4.5 03/29/2007 Normal	SWMUB71-B4 4.0-5.0 03/28/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000177 U	0.00853	0.0219	0.000233 U	0.000222 U	0.000187 U	0.000207 U
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.0055 M	0.0156	0.0094	0.000667 U	0.000637 U	0.000535 U	0.00496 J
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000151 U	0.00016 U	0.00018 U	0.000199 U	0.00019 U	0.00016 U	0.000177 U
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.00013 U	0.000138 U	0.000154 U	0.000171 U	0.000163 U	0.000137 U	0.000152 U
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.000163 U	0.000173 U	0.000194 U	0.000215 U	0.000205 U	0.000172 U	0.000191 U
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.000232 R	0.000247 R	0.000276 R	0.000306 U	0.000292 R	0.000245 R	0.000272 U
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000323 U	0.000343 U	0.000384 U	0.000426 U	0.000406 U	0.000342 U	0.000379 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-B4 5.0-6.0 03/28/2007 Normal	(EXCAVATED) SWMUB71-C1 0.0-0.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-C1 4.0-4.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-C1 4.0-4.5 03/25/2007 Duplicate	(EXCAVATED) SWMUB71-C1 9.0-9.5 03/25/2007 Normal	SWMUB71-C2 0.0-0.5 03/25/2007 Normal	SWMUB71-C2 4.5-5.0 03/25/2007 Normal
		^{SoilComb}	^{SoilIng}	^{SoilIng}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Explosives												
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0485 R	0.0534 U	0.0519 U	0.0549 U	0.0551 U	0.0544 U	0.0516 U
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0281 R	0.031 U	0.0301 U	0.0318 U	0.032 U	0.0315 U	0.0299 U
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.0833 R	0.0917 U	0.0891 U	0.0942 U	0.0947 U	0.0934 U	0.0886 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0521 R	0.0573 U	0.0557 U	0.0589 U	0.0592 U	0.0584 U	0.0554 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0952 R	0.105 U	0.102 U	0.108 U	0.108 U	0.107 U	0.101 U
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0284 R	0.0312 U	0.0303 U	0.0321 U	0.0323 U	0.0318 U	0.0302 U
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.0949 R	0.104 U	0.101 U	0.107 U	0.108 U	0.106 U	0.101 U
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0576 R	0.0633 U	0.0615 U	0.0651 U	0.0654 U	0.0645 U	0.0612 U
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0412 R	0.0453 U	0.0441 U	0.0466 U	0.0468 U	0.0462 U	0.0438 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0281 R	0.031 U	0.0301 U	0.0318 U	0.032 U	0.0315 U	0.0299 U
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0437 R	0.0481 U	0.0467 U	0.0494 U	0.0497 U	0.049 U	0.0465 U
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.128 R	0.141 R	0.137 R	0.145 R	0.146 R	0.144 R	0.136 R
Metals												
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	6.04 B	4.11 B	5.52 B	3.48 B	4.91 B	4.03	4.42
Barium	300 ²	7.8E+03	2.2E+02	---	300	76.6 M	74.5 M	165 M	113 M	114 M	92.9 M	110 M
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.074 U	0.082 U	0.08 U	0.084 U	0.084 U	0.017 U	0.016 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	17.4	14.5	25	21.3	24.4	21	21.9
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	4.29 M	16.5 J	1080 J	2750 J	211 J	12.5 J	9.35 J
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	8.73 M	59 J	19800 J	16500 J	546 J	29.3 J	25.2 J
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.0041 U	0.015	0.077 J	0.13 J	0.27	0.014	0.0049 B
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	13.5	11.8	74.8	60.2	24.9	15.3	15.5
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	21.7 B	59.7	1310	1880	707	36.7	35.8
PCBs												
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
SVOCs												
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.0331 U	0.0368 U	0.0356 U	0.0372 U	0.0375 U	0.0372 U	0.0352 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.0561 U	0.0623 U	0.0604 U	0.063 U	0.0635 U	0.0631 U	0.0596 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.0585 U	0.065 U	0.0629 U	0.0657 U	0.0662 U	0.0657 U	0.0622 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.0531 U	0.059 U	0.0572 U	0.0597 U	0.0602 U	0.0597 U	0.0565 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-B4 5.0-6.0 03/28/2007 Normal	(EXCAVATED) SWMUB71-C1 0.0-0.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-C1 4.0-4.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-C1 4.0-4.5 03/25/2007 Duplicate	(EXCAVATED) SWMUB71-C1 9.0-9.5 03/25/2007 Normal	SWMUB71-C2 0.0-0.5 03/25/2007 Normal	SWMUB71-C2 4.5-5.0 03/25/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.00527 U	0.00585 U	0.00567 U	0.00592 U	0.00597 U	0.00592 U	0.0056 U
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.00847 U	0.00942 U	0.00912 U	0.00952 U	0.0096 U	0.00953 U	0.00901 U
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.00647 U	0.00719 U	0.00696 U	0.00727 U	0.00733 U	0.00727 U	0.00688 U
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0281 U	0.0312 U	0.0302 U	0.0316 U	0.0318 U	0.0316 U	0.0299 U
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.0616 U	0.0685 U	0.0663 U	0.0692 U	0.0698 U	0.0693 U	0.0655 U
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.0215 R	0.0239 U	0.0232 U	0.0242 U	0.0244 U	0.0242 U	0.0229 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0305 U	0.0339 U	0.0328 U	0.0342 U	0.0345 U	0.0343 U	0.0324 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.00646 U	0.00718 U	0.00695 U	0.00726 U	0.00731 U	0.00726 U	0.00687 U
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.0274 U	0.0305 U	0.0295 U	0.0308 U	0.0311 U	0.0308 U	0.0292 U
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0281 U	0.0312 U	0.0302 U	0.0316 U	0.0318 U	0.0316 U	0.0299 U
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.00807 U	0.00896 U	0.00868 U	0.00906 U	0.00914 U	0.00907 U	0.00858 U
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.019 U	0.0212 U	0.0205 U	0.0214 U	0.0216 U	0.0214 U	0.0202 U
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.00855 U	0.00951 U	0.00921 U	0.00961 U	0.00969 U	0.00962 U	0.00909 U
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0109 U	0.0121 U	0.0117 U	0.0203 J	0.0123 U	0.0122 U	0.0116 U
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.0109 U	0.0121 U	0.0118 U	0.0123 U	0.0124 U	0.0123 U	0.0116 U
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.0634 U	0.0705 U	0.0683 U	0.0713 U	0.0719 U	0.0713 U	0.0675 U
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.00747 U	0.0083 U	0.00804 U	0.00839 U	0.00846 U	0.0084 U	0.00794 U
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.0142 U	0.0157 U	0.0152 U	0.0159 U	0.016 U	0.0159 U	0.0151 U
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0139 U	0.0155 U	0.015 U	0.0157 U	0.0158 U	0.0157 U	0.0148 U
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.0112 U	0.0125 U	0.0121 U	0.0126 U	0.0127 U	0.0126 U	0.0119 U
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.0462 U	0.0514 R	0.0497 R	0.0519 R	0.0524 R	0.052 R	0.0491 R
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.0437 U	0.0486 U	0.0471 U	0.0491 U	0.0495 U	0.0492 U	0.0465 U
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.00936 U	0.0104 U	0.0101 U	0.0105 U	0.0106 U	0.0105 U	0.00995 U
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.00807 U	0.00896 U	0.00868 U	0.00906 U	0.00914 U	0.00907 U	0.00858 U
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.00816 U	0.00907 U	0.00878 U	0.00917 U	0.00924 U	0.00917 U	0.00867 U
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.00562 U	0.00624 U	0.00605 U	0.00631 U	0.00637 U	0.00632 U	0.00597 U
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00662 U	0.00735 U	0.00712 U	0.00743 U	0.00749 U	0.00744 U	0.00703 U
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.00889 U	0.00988 U	0.00957 U	0.00999 U	0.0101 U	0.01 U	0.00946 U
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.00715 U	0.00794 U	0.00769 U	0.00803 U	0.0081 U	0.00804 U	0.0076 U
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0302 U	0.0336 U	0.0326 U	0.034 U	0.0343 U	0.034 U	0.0322 U
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.174 R	0.196 J	0.188 U	0.196 U	0.198 U	0.21 J	0.186 U
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.0082 U	0.00912 U	0.00883 U	0.00922 U	0.00929 U	0.00922 U	0.00872 U
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.00581 U	0.00646 U	0.00626 U	0.00653 U	0.00658 U	0.00654 U	0.00618 U
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.0407 U	0.0452 U	0.0438 U	0.0457 U	0.0461 U	0.0457 U	0.0432 U
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.0368 U	0.0409 U	0.0396 U	0.0414 U	0.0417 U	0.0414 U	0.0391 U
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0178 U	0.0198 U	0.0191 U	0.02 U	0.0201 U	0.02 U	0.0189 U
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.00861 U	0.00957 U	0.00927 U	0.00967 U	0.00975 U	0.00968 U	0.00915 U
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.0119 U	0.0132 U	0.0128 U	0.0134 U	0.0135 U	0.0134 U	0.0126 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-B4 5.0-6.0 03/28/2007 Normal	(EXCAVATED) SWMUB71-C1 0.0-0.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-C1 4.0-4.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-C1 4.0-4.5 03/25/2007 Duplicate	(EXCAVATED) SWMUB71-C1 9.0-9.5 03/25/2007 Normal	SWMUB71-C2 0.0-0.5 03/25/2007 Normal	SWMUB71-C2 4.5-5.0 03/25/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.0349 U	0.0388 U	0.0376 U	0.0392 U	0.0395 U	0.0392 U	0.0371 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.0048 U	0.00534 U	0.00517 U	0.0054 U	0.00544 U	0.0054 U	0.00511 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.00614 U	0.00682 U	0.00661 U	0.0069 U	0.00696 U	0.00691 U	0.00653 U
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.0222 U	0.0247 U	0.0239 U	0.0249 U	0.0252 U	0.025 U	0.0236 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.00752 U	0.00836 U	0.0081 U	0.00845 U	0.00852 U	0.00846 U	0.008 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.00784 U	0.00871 U	0.00844 U	0.00881 U	0.00888 U	0.00882 U	0.00834 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.00995 U	0.0111 U	0.0107 U	0.0112 U	0.0113 U	0.0112 U	0.0106 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.00629 U	0.00699 U	0.00677 U	0.00706 U	0.00712 U	0.00707 U	0.00669 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0109 U	0.0121 U	0.0117 U	0.0122 U	0.0123 U	0.0122 U	0.0116 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0365 U	0.0405 U	0.0393 U	0.041 U	0.0413 U	0.041 U	0.0388 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.0276 U	0.0307 U	0.0298 U	0.0311 U	0.0313 U	0.0311 U	0.0294 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.0498 U	0.0554 U	0.0536 U	0.056 U	0.0565 U	0.0561 U	0.053 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0258 U	0.0287 U	0.0278 U	0.029 U	0.0293 U	0.029 U	0.0275 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.00521 U	0.00579 U	0.00561 U	0.00586 U	0.0059 U	0.00586 U	0.00554 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0299 U	0.0332 U	0.0322 U	0.0336 U	0.0339 U	0.0336 U	0.0318 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0385 U	0.0428 U	0.0415 U	0.0433 U	0.0436 U	0.0433 U	0.041 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.00847 U	0.00942 U	0.00912 U	0.00952 U	0.0096 U	0.00953 U	0.00901 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.0123 U	0.0137 U	1.14	0.0139 U	2.22	0.116 J	0.0131 U
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0332 U	0.0369 U	0.0357 U	0.0373 U	0.0376 U	0.0373 U	0.0353 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00585 U	0.0065 U	0.00629 U	0.00657 U	0.00662 U	0.00657 U	0.00622 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.00775 U	0.00861 U	0.00834 U	0.00871 U	0.00878 U	0.00871 U	0.00824 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0174 U	0.0194 U	0.0188 U	0.0196 U	0.0198 U	0.0196 U	0.0186 U
VOCs												
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000203 U	0.000188 R	0.000246 U	0.000219 U	0.0002 R	0.000219 R	0.000192 R
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.000142 U	0.000131 U	0.000172 U	0.000153 U	0.00014 U	0.000153 U	0.000134 U
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.000207 U	0.000192 U	0.000252 U	0.000224 U	0.000205 U	0.000224 U	0.000196 U
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.000131 U	0.000122 U	0.00016 U	0.000142 U	0.00013 U	0.000142 U	0.000124 U
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000183 U	0.00017 U	0.000223 R	0.000198 R	0.000181 U	0.000198 U	0.000173 U
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000413 U	0.000383 U	0.000503 R	0.000448 R	0.000408 U	0.000447 U	0.000391 U
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.00015 U	0.000139 U	0.000182 U	0.000162 U	0.000148 U	0.000162 U	0.000141 U
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.000273 U	0.000253 R	0.000332 U	0.000295 U	0.000269 R	0.000295 R	0.000258 R
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000282 U	0.000261 U	0.000343 U	0.000305 U	0.000278 U	0.000305 U	0.000267 U
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000376 U	0.000349 U	0.000458 U	0.000408 U	0.000372 U	0.000407 U	0.000356 U
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E-01	---	2.4E-01	0.000228 U	0.000211 R	0.00207 J	0.000247 U	0.000225 R	0.000247 R	0.000215 R
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.000997 U	0.000924 U	0.00121 U	0.00108 U	0.000984 U	0.00108 U	0.000942 U
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000173 U	0.00016 U	0.00021 U	0.000187 U	0.000171 U	0.000187 U	0.000163 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000131 U	0.000122 U	0.00016 U	0.000142 U	0.00013 U	0.000142 U	0.000124 U
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000131 U	0.000122 U	0.00016 U	0.000142 U	0.00013 U	0.000142 U	0.000124 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-B4 5.0-6.0 03/28/2007 Normal	(EXCAVATED) SWMUB71-C1 0.0-0.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-C1 4.0-4.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-C1 4.0-4.5 03/25/2007 Duplicate	(EXCAVATED) SWMUB71-C1 9.0-9.5 03/25/2007 Normal	SWMUB71-C2 0.0-0.5 03/25/2007 Normal	SWMUB71-C2 4.5-5.0 03/25/2007 Normal
		TotSoilComb 30-Acre Source	GWSoilInq 30-Acre Source	GWSoilInq 30-Acre Source		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000129 U	0.00012 U	0.000157 U	0.00014 U	0.000127 U	0.000139 U	0.000122 U
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.000188 U	0.000174 U	0.000228 U	0.000203 U	0.000185 U	0.000203 U	0.000177 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.000272 U	0.000252 R	0.00033 R	0.000294 R	0.000268 R	0.000294 R	0.000257 R
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000157 U	0.000145 U	0.00019 U	0.00017 U	0.000155 U	0.000169 U	0.000148 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.000485 U	0.000449 R	0.000589 U	0.000525 U	0.000479 R	0.000524 R	0.000458 R
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.000139 R	0.000129 R	0.000169 U	0.000151 U	0.000138 R	0.000151 R	0.000132 R
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000203 U	0.000188 U	0.000246 U	0.000219 U	0.0002 U	0.000219 U	0.000192 U
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000173 U	0.00016 U	0.00021 U	0.000187 U	0.000171 U	0.000187 U	0.000163 U
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000374 U	0.000347 R	0.000455 U	0.000405 U	0.000369 R	0.000405 R	0.000354 R
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.00012 U	0.00971	0.0299	0.0199	0.0189	0.0165	0.0107
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000271 U	0.000251 U	0.000329 U	0.000293 U	0.000267 U	0.000293 U	0.000256 U
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000297 U	0.000275 U	0.000361 U	0.000322 U	0.000293 U	0.000321 U	0.000281 U
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.000155 U	0.000144 U	0.000189 U	0.000168 U	0.000153 U	0.000168 U	0.000147 U
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.000195 U	0.00018 U	0.000237 U	0.000211 U	0.000192 U	0.00021 U	0.000184 U
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000138 U	0.000128 U	0.000168 U	0.00015 U	0.000136 U	0.000149 U	0.000131 U
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.00019 U	0.000176 R	0.000231 U	0.000206 U	0.000188 R	0.000205 R	0.00018 R
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.000698 R	0.000647 R	0.000848 R	0.000756 R	0.000689 R	0.000755 R	0.000659 R
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.000162 U	0.00015 U	0.000197 U	0.000176 U	0.00016 U	0.000176 U	0.000153 U
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000145 U	0.000134 U	0.000176 U	0.000157 U	0.000143 U	0.000157 U	0.000137 U
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000132 U	0.000123 U	0.000161 U	0.000143 U	0.000131 U	0.000143 U	0.000125 U
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.000104 U	0.000096 R	0.000126 U	0.000112 U	0.000102 R	0.000112 R	0.000098 R
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.00018 U	0.000166 U	0.000218 U	0.000194 U	0.000177 U	0.000194 U	0.00017 U
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.000419 U	0.000388 U	0.00051 U	0.000454 U	0.000414 U	0.000453 U	0.000396 U
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.000238 U	0.00363 J	0.0068 J	0.00338 J	0.003 J	0.000258 U	0.00281 J
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.00143 R	0.00133 U	0.00174 U	0.00155 U	0.00142 U	0.00155 U	0.00135 U
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000176 U	0.000163 R	0.000214 U	0.000191 U	0.000174 R	0.000191 R	0.000166 R
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.000458 U	0.00295 R	0.00631 J	0.00357 J	0.00298 R	0.000496 R	0.00307 R
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.00173 U	0.00161 R	0.00211 R	0.00188 R	0.00171 R	0.00187 R	0.00164 R
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.000534 R	0.000495 U	0.000649 U	0.000579 U	0.000527 U	0.000578 U	0.000505 U
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000551 U	0.000511 U	0.00067 R	0.000597 R	0.000544 U	0.000596 U	0.000521 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.000433 U	0.000401 U	0.00314 B	0.00141 J	0.000427 U	0.000468 U	0.000409 U
n-Butylbenzene	NA	6.1E+03	6.1E+01	---	6.1E+01	0.000205 R	0.00019 R	0.000249 U	0.000222 U	0.000202 R	0.000222 R	0.000194 R
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000161 U	0.000149 U	0.000196 U	0.000175 U	0.000159 U	0.000174 U	0.000152 U
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.0002 U	0.000186 R	0.003 J	0.00157 J	0.000198 R	0.000217 R	0.000189 R
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.000185 U	0.000172 U	0.000225 U	0.000201 U	0.000183 U	0.0002 U	0.000175 U
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000135 U	0.000125 U	0.000164 U	0.000146 U	0.000133 U	0.000146 U	0.000127 U
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.000175 U	0.000162 R	0.000213 U	0.00019 U	0.000173 R	0.000189 R	0.000165 R
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.00029 U	0.000269 U	0.000353 U	0.000314 U	0.000286 U	0.000314 U	0.000274 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-B4 5.0-6.0 03/28/2007 Normal	(EXCAVATED) SWMUB71-C1 0.0-0.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-C1 4.0-4.5 03/25/2007 Normal	(EXCAVATED) SWMUB71-C1 4.0-4.5 03/25/2007 Duplicate	(EXCAVATED) SWMUB71-C1 9.0-9.5 03/25/2007 Normal	SWMUB71-C2 0.0-0.5 03/25/2007 Normal	SWMUB71-C2 4.5-5.0 03/25/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000221 U	0.000205 U	0.000269 U	0.000239 U	0.000218 U	0.000239 U	0.000209 U
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.000633 U	0.0116	0.022	0.0133	0.0146	0.00789	0.0113
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000189 U	0.000175 U	0.00023 U	0.000204 U	0.000186 U	0.000204 U	0.000178 U
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.000162 U	0.00015 U	0.000197 U	0.000176 U	0.00016 U	0.000176 U	0.000153 U
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.000204 U	0.000189 R	0.000248 U	0.000221 U	0.000201 R	0.00022 R	0.000193 R
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.00029 R	0.000269 U	0.000353 R	0.000314 R	0.000286 U	0.000314 U	0.000274 U
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000404 U	0.000375 U	0.000491 U	0.000438 U	0.000399 U	0.000437 U	0.000382 U

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**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-C2 7.5-8.0 03/25/2007 Normal	SWMUB71-C3 6.5-7.0 03/25/2007 Normal	(EXCAVATED) SWMUB71-C4 9.5-10.0 03/25/2007 Normal	(EXCAVATED) SWMUB71-C4 9.5-10.0 03/25/2007 Duplicate	SWMUB71-D1 0.0-0.5 03/28/2007 Normal	SWMUB71-D1 3.5-4.0 03/28/2007 Normal	SWMUB71-D1 6.5-7.0 03/28/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Explosives												
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0501 U	0.0456 U	0.0509 U	0.0549 U	0.0589 R	0.0547 U	0.0459 R
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.029 U	0.0264 U	0.0295 U	0.0318 U	0.0342 R	0.0317 U	0.0266 R
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.086 U	0.0782 U	0.0873 U	0.0942 U	0.101 R	0.0939 U	0.0788 R
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0537 U	0.0489 U	0.0546 U	0.0589 U	0.0632 R	0.0587 U	0.0493 R
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0982 U	0.0894 U	0.0998 U	0.108 U	0.116 R	0.107 U	0.0901 R
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0293 U	0.0267 U	0.0298 U	0.0321 U	0.0345 R	0.032 U	0.0269 R
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.0979 U	0.0891 U	0.0995 U	0.107 U	0.115 R	0.107 U	0.0898 R
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0594 U	0.0541 U	0.0604 U	0.0651 U	0.0699 R	0.0649 U	0.0545 R
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0425 U	0.0387 U	0.0432 U	0.0466 U	0.05 R	0.0464 U	0.039 R
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.029 U	0.0264 U	0.0295 U	0.0318 U	0.0342 R	0.0317 U	0.0266 R
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0451 U	0.0411 U	0.0458 U	0.0494 U	0.0531 R	0.0493 U	0.0414 R
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.132 R	0.12 R	0.134 R	0.145 U	0.156 R	0.144 R	0.121 R
Metals												
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	4	2.85 B	4.4 B	3.48 B	5.4	5.92	8.5
Barium	300 ²	7.8E+03	2.2E+02	---	300	113 M	36.8 M	88.3 M	113 M	117	124	102
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.015 U	0.069 U	0.085 B	0.084 U	0.24 B	0.26 B	0.21 B
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	19.7	7.93	20.9	21.3	21.3	21.9	16.9
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	6.34 J	3.43 J	2750 J	2750 J	9.62 M	8.09 M	7.66 M
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	18.2 J	7.34 J	15400 J	16500 J	17.6 M	12.4 M	15.2 M
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.0042 U	0.0038 U	0.087	0.13 J	0.024	0.012 B	0.02
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	15	8 B	133	60.2	16.7	15	16.5
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	36.8	18.2 B	2770	1880	35.1	30.1	29.9
PCBs												
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
SVOCs												
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.0341 U	0.031 U	0.0347 U	0.0372 U	0.0402 U	0.0377 U	0.0315 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.0579 U	0.0525 U	0.0588 U	0.063 U	0.0681 U	0.0638 U	0.0534 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.0603 U	0.0547 U	0.0613 U	0.0657 U	0.071 U	0.0665 U	0.0557 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.0548 U	0.0497 U	0.0557 U	0.0597 U	0.0645 U	0.0605 U	0.0506 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-C2 7.5-8.0 03/25/2007 Normal	SWMUB71-C3 6.5-7.0 03/25/2007 Normal	(EXCAVATED) SWMUB71-C4 9.5-10.0 03/25/2007 Normal	(EXCAVATED) SWMUB71-C4 9.5-10.0 03/25/2007 Duplicate	SWMUB71-D1 0.0-0.5 03/28/2007 Normal	SWMUB71-D1 3.5-4.0 03/28/2007 Normal	SWMUB71-D1 6.5-7.0 03/28/2007 Normal
		^{SoilComb}	^{SoilIng}	^{SoilIng}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.00544 U	0.00493 U	0.00552 U	0.00592 U	0.0064 U	0.006 U	0.00502 U
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.00874 U	0.00793 U	0.00889 U	0.00952 U	0.0103 U	0.00964 U	0.00807 U
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.00668 U	0.00606 U	0.00678 U	0.00727 U	0.00786 U	0.00736 U	0.00616 U
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.029 U	0.0263 U	0.0295 U	0.0316 U	0.0341 U	0.032 U	0.0268 U
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.0636 U	0.0577 U	0.0646 U	0.0692 U	0.0748 U	0.0701 U	0.0587 U
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.0222 U	0.0202 U	0.0226 U	0.0242 U	0.0261 U	0.0245 U	0.0205 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0314 U	0.0285 U	0.032 U	0.0342 U	0.037 U	0.0347 U	0.029 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.00666 U	0.00605 U	0.00677 U	0.00726 U	0.00784 U	0.00735 U	0.00615 U
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.0283 U	0.0257 U	0.0287 U	0.0308 U	0.0333 U	0.0312 U	0.0261 U
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.029 U	0.0263 U	0.0295 U	0.0316 U	0.0341 U	0.032 U	0.0268 U
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.00832 U	0.00755 U	0.00846 U	0.00906 U	0.0098 U	0.00918 U	0.00769 U
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.0196 U	0.0178 U	0.02 U	0.0214 U	0.0231 U	0.0217 U	0.0181 U
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.00883 U	0.00801 U	0.00897 U	0.00961 U	0.0104 U	0.00974 U	0.00815 U
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0112 U	0.0102 U	0.0114 U	0.0203 J	0.0132 U	0.0124 U	0.0104 U
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.0113 U	0.0102 U	0.0115 U	0.0123 U	0.0133 U	0.0124 U	0.0104 U
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.0655 U	0.0594 U	0.0665 U	0.0713 U	0.077 U	0.0722 U	0.0604 U
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.0077 U	0.00699 U	0.00783 U	0.00839 U	0.00907 U	0.0085 U	0.00711 U
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.0146 U	0.0133 U	0.0148 U	0.0159 U	0.0172 U	0.0161 U	0.0135 U
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0144 U	0.013 U	0.0146 U	0.0157 U	0.0169 U	0.0159 U	0.0133 U
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.0116 U	0.0105 U	0.0118 U	0.0126 U	0.0136 U	0.0128 U	0.0107 U
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.0477 R	0.0433 R	0.0485 R	0.0519 U	0.0561 U	0.0526 U	0.044 U
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.0451 U	0.0409 U	0.0459 U	0.0491 U	0.0531 U	0.0498 U	0.0417 U
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.00966 U	0.00876 U	0.00981 U	0.0105 U	0.0114 U	0.0107 U	0.00892 U
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.00832 U	0.00755 U	0.00846 U	0.00906 U	0.0098 U	0.00918 U	0.00769 U
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.00842 U	0.00764 U	0.00855 U	0.00917 U	0.00991 U	0.00928 U	0.00777 U
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.0058 U	0.00526 U	0.00589 U	0.00631 U	0.00682 U	0.0064 U	0.00535 U
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00683 U	0.00619 U	0.00694 U	0.00743 U	0.00803 U	0.00753 U	0.0063 U
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.00918 U	0.00833 U	0.00933 U	0.00999 U	0.0108 U	0.0101 U	0.00847 U
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.00738 U	0.00669 U	0.0075 U	0.00803 U	0.00868 U	0.00814 U	0.0195 J
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0312 U	0.0283 U	0.0317 U	0.034 U	0.0367 U	0.0344 U	0.0288 U
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.181 J	0.163 U	0.188 J	0.196 U	0.212 U	0.199 U	0.166 U
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.00846 U	0.00768 U	0.0086 U	0.00922 U	0.00996 U	0.00934 U	0.00782 U
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.006 U	0.00544 U	0.00609 U	0.00653 U	0.00706 U	0.00661 U	0.00554 U
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.042 U	0.0381 U	0.0426 U	0.0457 U	0.0494 U	0.0463 U	0.0388 U
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.038 U	0.0345 U	0.0386 U	0.0414 U	0.0447 U	0.0419 U	0.0351 U
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0184 U	0.0167 U	0.0187 U	0.02 U	0.0216 U	0.0202 U	0.0169 U
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.00889 U	0.00806 U	0.00903 U	0.00967 U	0.0105 U	0.0098 U	0.0082 U
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.0123 U	0.0111 U	0.0125 U	0.0134 U	0.0144 U	0.0135 U	0.0113 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-C2 7.5-8.0 03/25/2007 Normal	SWMUB71-C3 6.5-7.0 03/25/2007 Normal	(EXCAVATED) SWMUB71-C4 9.5-10.0 03/25/2007 Normal	(EXCAVATED) SWMUB71-C4 9.5-10.0 03/25/2007 Duplicate	SWMUB71-D1 0.0-0.5 03/28/2007 Normal	SWMUB71-D1 3.5-4.0 03/28/2007 Normal	SWMUB71-D1 6.5-7.0 03/28/2007 Normal
		TotSoilComb 30-Acre Source	GWSoilInq 30-Acre Source	GWSoilInq 30-Acre Source		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.036 U	0.036 U	0.0366 U	0.0392 U	0.0424 U	0.0397 U	0.0332 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.00496 U	0.0045 U	0.00504 U	0.0054 U	0.00583 U	0.00547 U	0.00458 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.00634 U	0.00575 U	0.00644 U	0.0069 U	0.0113 J	0.0117 J	0.00881 J
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.0229 U	0.0208 U	0.0233 U	0.0249 U	0.027 U	0.0253 U	0.0212 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.00776 U	0.00704 U	0.00789 U	0.00845 U	0.00914 U	0.00856 U	0.00717 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.00809 U	0.00734 U	0.00822 U	0.00881 U	0.00952 U	0.00892 U	0.00747 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.0103 U	0.00931 U	0.0104 U	0.0112 U	0.0121 U	0.0113 U	0.00948 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.00649 U	0.00589 U	0.00659 U	0.00706 U	0.00764 U	0.00716 U	0.00599 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0112 U	0.0102 U	0.0114 U	0.0122 U	0.0132 U	0.0124 U	0.0104 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0376 U	0.0342 U	0.0383 U	0.041 U	0.0443 U	0.0415 U	0.0348 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.0285 U	0.0259 U	0.029 U	0.0311 U	0.0336 U	0.0315 U	0.0263 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.0514 U	0.0467 U	0.0523 U	0.056 U	0.0605 U	0.0567 U	0.0475 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0267 U	0.0242 U	0.0271 U	0.029 U	0.0314 U	0.0294 U	0.0246 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.00538 U	0.00488 U	0.00546 U	0.00586 U	0.00633 U	0.00593 U	0.00497 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0309 U	0.028 U	0.0314 U	0.0336 U	0.0363 U	0.034 U	0.0285 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0397 U	0.0361 U	0.0404 U	0.0433 U	0.0468 U	0.0438 U	0.0367 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.00874 U	0.00793 U	0.00889 U	0.00952 U	0.0103 U	0.00964 U	0.00807 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.0127 U	0.0116 U	0.476	0.0139 U	0.015 U	0.0141 U	0.0118 U
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0343 U	0.0311 U	0.0348 U	0.0373 U	0.0403 U	0.0378 U	0.0316 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00603 U	0.00547 U	0.00613 U	0.00657 U	0.0071 U	0.00665 U	0.00557 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.008 U	0.00726 U	0.00813 U	0.00871 U	0.00941 U	0.00882 U	0.00738 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.018 U	0.0163 U	0.0183 U	0.0196 U	0.0212 U	0.0199 U	0.0166 U
VOCs												
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000222 R	0.000188 R	0.000196 R	0.000219 U	0.000215 U	0.000174 U	0.000151 U
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.000155 U	0.000131 U	0.000137 U	0.000153 U	0.00015 U	0.000122 U	0.000105 U
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.000227 U	0.000192 U	0.000201 U	0.000224 U	0.000219 U	0.000178 U	0.000154 U
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.000144 U	0.000122 U	0.000127 U	0.000142 U	0.000139 U	0.000113 U	0.000098 U
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.0002 U	0.00017 U	0.000177 U	0.000198 U	0.000194 U	0.000157 U	0.000136 U
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000452 U	0.000383 U	0.0004 U	0.000448 U	0.000438 U	0.000355 U	0.000307 U
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.000164 U	0.000139 U	0.000145 U	0.000162 U	0.000158 U	0.000129 U	0.000111 U
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.000298 R	0.000253 R	0.000264 R	0.000295 U	0.000289 U	0.000234 U	0.000203 U
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000308 U	0.000261 U	0.000273 U	0.000305 U	0.000299 U	0.000242 U	0.00021 U
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000412 U	0.000349 U	0.000365 U	0.000408 U	0.000399 U	0.000323 U	0.00028 U
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E-01	---	2.4E-01	0.000249 R	0.000211 R	0.000221 R	0.000247 U	0.000241 U	0.000196 U	0.000169 U
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.00109 U	0.000923 U	0.000966 U	0.00108 U	0.00106 U	0.000856 U	0.000741 U
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000189 U	0.00016 U	0.000167 U	0.000187 U	0.000183 U	0.000148 U	0.000128 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000144 U	0.000122 U	0.000127 U	0.000142 U	0.000139 U	0.000113 U	0.000098 U
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000144 U	0.000122 U	0.000127 U	0.000142 U	0.000139 U	0.000113 U	0.000098 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-C2	SWMUB71-C3	(EXCAVATED)	(EXCAVATED)	SWMUB71-D1	SWMUB71-D1	SWMUB71-D1
		Tier 1 PCL ³ 30-Acre Source	Tier 1 PCL ³ 30-Acre Source	Tier 2 PCL ³ 30-Acre Source		7.5-8.0 03/25/2007 Normal	6.5-7.0 03/25/2007 Normal	9.5-10.0 03/25/2007 Normal	9.5-10.0 03/25/2007 Duplicate	0.0-0.5 03/28/2007 Normal	3.5-4.0 03/28/2007 Normal	6.5-7.0 03/28/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000141 U	0.000119 U	0.000125 U	0.00014 U	0.000137 U	0.000111 U	0.000096 U
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.000205 U	0.000174 U	0.000182 M	0.000203 U	0.000199 U	0.000161 U	0.000139 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.000297 R	0.000252 R	0.000263 R	0.000294 U	0.000288 U	0.000233 U	0.000202 U
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000171 U	0.000145 U	0.000152 U	0.00017 U	0.000166 U	0.000134 U	0.000116 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.00053 R	0.000449 R	0.000469 R	0.000525 U	0.000513 U	0.000416 U	0.00036 U
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.000152 R	0.000129 R	0.000135 R	0.000151 U	0.000147 U	0.00012 U	0.000104 U
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000222 U	0.000188 U	0.000196 U	0.000219 U	0.000215 U	0.000174 U	0.000151 U
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000189 U	0.00016 U	0.000167 U	0.000187 U	0.000183 U	0.000148 U	0.000128 U
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000409 R	0.000347 R	0.000362 R	0.000405 U	0.000396 U	0.000321 U	0.000278 U
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.0034 J	0.00225 J	0.0115	0.0199	0.0119	0.00645 J	0.00263 J
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000296 U	0.000251 U	0.000262 U	0.000293 U	0.000286 U	0.000232 U	0.000201 U
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000325 U	0.000275 U	0.000288 U	0.000322 U	0.000314 U	0.000255 U	0.000221 U
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.00017 U	0.000144 U	0.000151 U	0.000168 U	0.000165 U	0.000133 U	0.000115 U
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.000213 U	0.00018 U	0.000188 U	0.000211 U	0.000206 U	0.000167 U	0.000145 U
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000151 U	0.000128 U	0.000134 U	0.00015 U	0.000146 U	0.000119 U	0.000103 U
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000208 R	0.000176 R	0.000184 R	0.000206 U	0.000201 U	0.000163 U	0.000141 U
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.000763 R	0.000646 R	0.000676 R	0.000756 U	0.000739 U	0.000599 U	0.000518 U
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.000177 U	0.00015 U	0.000157 U	0.000176 U	0.000172 U	0.000139 U	0.000121 U
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000159 U	0.000134 U	0.00014 U	0.000157 U	0.000154 U	0.000125 U	0.000108 U
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000145 U	0.000123 U	0.000128 U	0.000143 U	0.00014 U	0.000114 U	0.000098 U
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.000113 R	0.000096 R	0.0001 R	0.000112 U	0.00011 U	0.000089 U	0.000077 U
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.000196 U	0.000166 U	0.000174 U	0.000194 U	0.00019 U	0.000154 U	0.000133 U
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.000458 U	0.000388 U	0.000406 U	0.000454 U	0.000444 U	0.00036 U	0.000311 U
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.00268 J	0.000221 U	0.00259 J	0.00338 J	0.000252 U	0.000205 U	0.000177 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.00157 U	0.00133 U	0.00139 U	0.00155 U	0.00152 U	0.00123 U	0.00107 U
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000193 R	0.000163 R	0.000171 R	0.000191 U	0.000186 U	0.000151 U	0.000131 U
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.000501 R	0.000424 R	0.000424 R	0.000537 J	0.000485 U	0.000222 J	0.00034 U
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.00189 R	0.0016 R	0.00168 R	0.00188 U	0.00183 U	0.00149 U	0.00129 U
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.000584 U	0.000495 U	0.000517 U	0.000579 U	0.000566 U	0.000459 U	0.000397 U
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000603 U	0.000511 U	0.000534 U	0.000597 U	0.000584 U	0.000474 U	0.00041 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.000473 U	0.000401 U	0.000419 U	0.00041 J	0.000458 U	0.000372 U	0.000322 U
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.000224 R	0.00019 R	0.000198 R	0.000222 U	0.000217 U	0.000176 U	0.000152 U
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000176 U	0.000149 U	0.000156 U	0.000175 U	0.000171 U	0.000138 U	0.00012 U
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.000219 R	0.000186 R	0.000194 R	0.000157 J	0.000212 U	0.000172 U	0.000149 U
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.000203 U	0.000172 U	0.00018 U	0.000201 U	0.000196 U	0.000159 U	0.000138 U
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000147 U	0.000125 U	0.00013 U	0.000146 U	0.000143 U	0.000116 U	0.0001 U
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.000191 R	0.000162 R	0.000169 R	0.00019 U	0.000185 U	0.00015 U	0.00013 U
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000317 U	0.000269 U	0.000281 U	0.000314 U	0.000307 U	0.000249 U	0.000216 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-C2 7.5-8.0 03/25/2007 Normal	SWMUB71-C3 6.5-7.0 03/25/2007 Normal	(EXCAVATED) SWMUB71-C4 9.5-10.0 03/25/2007 Normal	(EXCAVATED) SWMUB71-C4 9.5-10.0 03/25/2007 Duplicate	SWMUB71-D1 0.0-0.5 03/28/2007 Normal	SWMUB71-D1 3.5-4.0 03/28/2007 Normal	SWMUB71-D1 6.5-7.0 03/28/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000242 U	0.000205 U	0.000214 U	0.000239 U	0.000234 U	0.00019 U	0.000164 U
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.00554 J	0.00401 J	0.0111	0.0133	0.0097	0.00692 J	0.00417 J
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000206 U	0.000175 U	0.000183 U	0.000204 U	0.0002 U	0.000162 U	0.00014 U
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.000177 U	0.00015 U	0.000157 U	0.000176 U	0.000172 U	0.000139 U	0.000121 U
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.000223 R	0.000189 R	0.000197 R	0.000221 U	0.000216 U	0.000175 U	0.000151 U
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.000317 U	0.000269 U	0.000281 U	0.000314 U	0.000307 U	0.000249 U	0.000216 U
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000442 U	0.000374 U	0.000391 U	0.000438 U	0.000428 U	0.000347 U	0.0003 U

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**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-D4 4.5-5.0 03/29/2007 Normal	SWMUB71-F1 10.0-10.5 11/19/2008 Normal	SWMUB71-F1 10.5-11.0 12/08/2008 Normal	SWMUB71-F1 10.0-10.5 12/12/2008 Normal	SWMUB71-F2 6.5-7.0 11/19/2008 Normal	SWMUB71-F2 7.5-8.0 12/08/2008 Normal	(EXCAVATED) SWMUB71-F3 5.5-6.0 12/08/2008 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Explosives												
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0466 U	0.045 U	NT	NT	0.0436 U	NT	NT
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0271 U	0.0261 U	NT	NT	0.0253 U	NT	NT
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.0801 U	0.0773 R	NT	0.0792 U	0.0748 R	NT	NT
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.05 U	0.0483 U	NT	NT	0.0467 U	NT	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0915 U	0.0883 U	NT	NT	0.0855 U	NT	NT
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0273 U	0.0263 U	NT	NT	0.0255 U	NT	NT
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.0912 U	0.088 U	NT	NT	0.0852 U	NT	NT
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0553 U	0.0534 U	NT	NT	0.0517 U	NT	NT
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0396 U	0.0382 U	NT	NT	0.037 U	NT	NT
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0271 U	0.0261 U	NT	NT	0.0253 U	NT	NT
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.042 U	0.0406 U	NT	NT	0.0392 U	NT	NT
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.123 R	0.119 R	NT	0.122 U	0.115 R	NT	NT
Metals												
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	4.43 B	1.35 U	5.64 B	NT	1.29 U	3.49 B	2.89 B
Barium	300 ²	7.8E+03	2.2E+02	---	300	6.83 J	2.45	2.13 M	NT	11.4	0.11 U	2.69 M
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.071 U	0.058 U	0.06 U	NT	0.056 U	0.057 U	0.49 B
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	4.57	1.39 B	2.46	NT	3.13	2.38	3.15
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	1.71 B	21.4	3.45	NT	14.9	3.2	33.5
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	1.58 B	113	2.51 B	NT	131	1.68 B	1590
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.004 U	0.0048 B	0.0047 U	NT	0.0043 U	0.0042 U	0.0045 U
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	5.6 B	2.12 B	4.74 B	NT	4.62 B	3.51 B	3.76 B
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	4.07 B	22.5 B	0.78 M	NT	37.3	13.5 M	53.4 M
PCBs												
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
SVOCs												
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.032 U	0.177 U	NT	NT	0.172 U	NT	NT
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.0543 U	0.177 U	NT	NT	0.172 U	NT	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.0566 U	0.177 U	NT	NT	0.172 U	NT	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.0514 U	0.177 U	NT	NT	0.172 U	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-D4 4.5-5.0 03/29/2007 Normal	SWMUB71-F1 10.0-10.5 11/19/2008 Normal	SWMUB71-F1 10.5-11.0 12/08/2008 Normal	SWMUB71-F1 10.0-10.5 12/12/2008 Normal	SWMUB71-F2 6.5-7.0 11/19/2008 Normal	SWMUB71-F2 7.5-8.0 12/08/2008 Normal	(EXCAVATED) SWMUB71-F3 5.5-6.0 12/08/2008 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.0051 U	0.0065 U	NT	NT	0.00631 U	NT	NT
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.0082 U	0.00607 U	NT	NT	0.0059 U	NT	NT
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.00626 U	0.00853 U	NT	NT	0.00828 U	NT	NT
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0272 U	0.0101 U	NT	NT	0.0098 U	NT	NT
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.0596 U	0.0844 U	NT	NT	0.082 U	NT	NT
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.0208 U	0.12 U	NT	NT	0.116 U	NT	NT
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0295 U	0.0388 U	NT	NT	0.0377 U	NT	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.00625 U	0.0375 U	NT	NT	0.0364 U	NT	NT
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.0265 U	0.00866 U	NT	NT	0.0084 U	NT	NT
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0272 U	0.0146 U	NT	NT	0.0142 U	NT	NT
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.00781 U	0.0119 U	NT	NT	0.0115 U	NT	NT
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.0184 U	0.0149 U	NT	NT	0.0145 U	NT	NT
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.00828 U	0.0085 U	NT	NT	0.00825 U	NT	NT
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0105 U	0.0114 U	NT	NT	0.0111 U	NT	NT
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.0106 U	0.0116 U	NT	NT	0.0113 U	NT	NT
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.0614 U	0.111 U	NT	NT	0.108 U	NT	NT
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.00722 U	0.0418 U	NT	NT	0.0406 U	NT	NT
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.0137 U	0.11 U	NT	NT	0.107 U	NT	NT
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0135 U	0.0122 U	NT	NT	0.0118 U	NT	NT
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.0109 U	0.00907 U	NT	NT	0.0088 U	NT	NT
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.0447 U	0.00762 R	NT	NT	0.0074 R	NT	NT
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.0423 U	0.00578 U	NT	NT	0.00561 U	NT	NT
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.00906 U	0.0395 U	NT	NT	0.0383 U	NT	NT
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.00781 U	0.011 U	NT	NT	0.0107 U	NT	NT
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.00789 U	0.0103 U	NT	NT	0.00995 U	NT	NT
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.00544 U	0.00449 U	NT	NT	0.00436 U	NT	NT
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.0064 U	0.00517 U	NT	NT	0.00502 U	NT	NT
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.00861 U	0.0249 U	NT	NT	0.0241 U	NT	NT
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.00692 U	0.0237 U	NT	NT	0.023 U	NT	NT
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0293 U	0.0312 U	NT	NT	0.0303 U	NT	NT
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.169 U	0.0228 U	NT	NT	0.0221 U	NT	NT
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.00794 U	0.00993 U	NT	NT	0.00964 U	NT	NT
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.00562 U	0.00983 U	NT	NT	0.00954 U	NT	NT
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.0394 U	0.152 U	NT	NT	0.148 U	NT	NT
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.0356 U	0.078 U	NT	NT	0.0757 U	NT	NT
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0172 U	0.0243 U	NT	NT	0.0239 J	NT	NT
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.00833 U	0.0144 U	NT	NT	0.014 U	NT	NT
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.0115 U	0.00895 U	NT	NT	0.00869 U	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-D4	SWMUB71-F1	SWMUB71-F1	SWMUB71-F1	SWMUB71-F2	SWMUB71-F2	(EXCAVATED)
		Tier 1 PCL ³ 30-Acre Source	Tier 1 PCL ³ 30-Acre Source	Tier 2 PCL ³ 30-Acre Source		4.5-5.0 03/29/2007 Normal	10.0-10.5 11/19/2008 Normal	10.5-11.0 12/08/2008 Normal	10.0-10.5 12/12/2008 Normal	6.5-7.0 11/19/2008 Normal	7.5-8.0 12/08/2008 Normal	5.5-6.0 12/08/2008 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}								
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.0338 U	0.0198 U	NT	NT	0.0192 U	NT	NT
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.00465 U	0.0096 U	NT	NT	0.00932 U	NT	NT
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.00594 U	0.129 U	NT	NT	0.125 U	NT	NT
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.0215 U	0.00922 U	NT	NT	0.00895 U	NT	NT
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.00728 U	0.0139 U	NT	NT	0.0135 U	NT	NT
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.00759 U	0.0251 U	NT	NT	0.0243 U	NT	NT
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.00963 U	0.00606 U	NT	NT	0.00589 U	NT	NT
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.00608 U	0.00939 U	NT	NT	0.00911 U	NT	NT
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0105 U	0.0111 U	NT	NT	0.0108 U	NT	NT
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0353 U	0.0722 U	NT	NT	0.0701 U	NT	NT
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.0268 U	0.0599 U	NT	NT	0.0581 U	NT	NT
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.0482 U	0.177 U	NT	NT	0.172 U	NT	NT
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.025 U	0.0534 U	NT	NT	0.0519 U	NT	NT
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.00504 U	0.0103 U	NT	NT	0.00995 U	NT	NT
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0289 U	0.0875 U	NT	NT	0.085 U	NT	NT
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0373 U	0.0765 U	NT	NT	0.0743 U	NT	NT
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.0082 U	0.0142 U	NT	NT	0.0138 U	NT	NT
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.012 U	0.0132 J	NT	NT	0.0191 J	NT	NT
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0321 U	0.0214 U	NT	NT	0.0208 U	NT	NT
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00566 U	0.00825 U	NT	NT	0.00801 U	NT	NT
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.0075 U	0.00952 U	NT	NT	0.00925 U	NT	NT
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0169 U	0.0101 U	NT	NT	0.00983 U	NT	NT
VOCs												
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000162 U	0.000229 U	NT	NT	0.000188 U	NT	NT
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.000113 U	0.000131 U	NT	NT	0.000107 U	NT	NT
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.000166 U	0.000256 U	NT	NT	0.00021 U	NT	NT
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.000105 U	0.000331 U	NT	NT	0.000271 U	NT	NT
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000146 U	0.000179 U	NT	NT	0.000146 U	NT	NT
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000331 U	0.000229 U	NT	NT	0.000188 U	NT	NT
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.00012 U	0.000265 U	NT	NT	0.000217 U	NT	NT
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.000218 U	0.00093 U	NT	NT	0.000762 U	NT	NT
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000226 U	0.000266 U	NT	NT	0.000218 U	NT	NT
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000301 U	0.000701 U	NT	NT	0.000575 U	NT	NT
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E-01	---	2.4E+01	0.000182 U	0.000161 U	NT	NT	0.000132 U	NT	NT
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.000798 U	0.000912 U	NT	NT	0.000748 U	NT	NT
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000138 U	0.000265 U	NT	NT	0.000218 U	NT	NT
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000105 U	0.000275 U	NT	NT	0.000225 U	NT	NT
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000105 U	0.000257 U	NT	NT	0.000211 U	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-D4 4.5-5.0 03/29/2007 Normal	SWMUB71-F1 10.0-10.5 11/19/2008 Normal	SWMUB71-F1 10.5-11.0 12/08/2008 Normal	SWMUB71-F1 10.0-10.5 12/12/2008 Normal	SWMUB71-F2 6.5-7.0 11/19/2008 Normal	SWMUB71-F2 7.5-8.0 12/08/2008 Normal	(EXCAVATED) SWMUB71-F3 5.5-6.0 12/08/2008 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000103 U	0.000293 U	NT	NT	0.00024 U	NT	NT
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.00015 U	0.000215 U	NT	NT	0.000176 U	NT	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.000217 U	0.000262 U	NT	NT	0.000214 U	NT	NT
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000125 U	0.000171 U	NT	NT	0.00014 U	NT	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.000388 U	0.000375 U	NT	NT	0.000307 U	NT	NT
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.000111 R	0.000289 U	NT	NT	0.000237 U	NT	NT
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000162 U	0.000334 U	NT	NT	0.000274 U	NT	NT
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000138 U	0.000196 U	NT	NT	0.000161 U	NT	NT
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000299 U	0.000284 U	NT	NT	0.000232 U	NT	NT
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.0019 J	0.000228 U	NT	NT	0.000187 U	NT	NT
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000216 U	0.000295 U	NT	NT	0.000242 U	NT	NT
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000238 U	0.000319 U	NT	NT	0.000261 U	NT	NT
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.000124 U	0.000238 U	NT	NT	0.000195 U	NT	NT
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.000156 U	0.0025 U	NT	NT	0.00205 U	NT	NT
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000111 U	0.000126 U	NT	NT	0.000104 U	NT	NT
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000152 U	0.00024 U	NT	NT	0.000197 U	NT	NT
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.000558 R	0.000858 U	NT	NT	0.000703 U	NT	NT
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.00013 U	0.000149 U	NT	NT	0.000122 U	NT	NT
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000116 U	0.000226 U	NT	NT	0.000185 U	NT	NT
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000106 U	0.000167 U	NT	NT	0.000137 U	NT	NT
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.000083 U	0.000362 U	NT	NT	0.000297 U	NT	NT
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.000144 U	0.000399 U	NT	NT	0.000327 U	NT	NT
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.000335 U	0.000211 U	NT	NT	0.000173 U	NT	NT
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.000191 U	0.000365 U	NT	NT	0.000299 U	NT	NT
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.00115 R	0.000689 U	NT	NT	0.000565 U	NT	NT
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000141 U	0.000277 U	NT	NT	0.000227 U	NT	NT
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.000367 U	0.0011 U	NT	NT	0.000898 U	NT	NT
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.00139 U	0.0035 J	NT	NT	0.00507	NT	NT
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.000427 R	0.00218 J	NT	NT	0.00211 J	NT	NT
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000441 U	0.00272 J	NT	NT	0.00243 J	NT	NT
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.000346 M	0.000963 U	NT	NT	0.000789 U	NT	NT
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.000164 R	0.000393 U	NT	NT	0.000322 U	NT	NT
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000129 U	0.000218 U	NT	NT	0.000179 U	NT	NT
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.00016 U	0.000266 U	NT	NT	0.000218 U	NT	NT
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.000148 U	0.00017 U	NT	NT	0.000139 U	NT	NT
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000108 U	0.000243 U	NT	NT	0.0002 U	NT	NT
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.00014 U	0.000258 U	NT	NT	0.000212 U	NT	NT
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000232 U	0.000299 U	NT	NT	0.000245 U	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-D4 4.5-5.0 03/29/2007 Normal	SWMUB71-F1 10.0-10.5 11/19/2008 Normal	SWMUB71-F1 10.5-11.0 12/08/2008 Normal	SWMUB71-F1 10.0-10.5 12/12/2008 Normal	SWMUB71-F2 6.5-7.0 11/19/2008 Normal	SWMUB71-F2 7.5-8.0 12/08/2008 Normal	(EXCAVATED) SWMUB71-F3 5.5-6.0 12/08/2008 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000177 U	0.000154 U	NT	NT	0.000127 U	NT	NT
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.00397 J	0.000326 U	NT	NT	0.000268 U	NT	NT
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000151 U	0.0002 U	NT	NT	0.000164 U	NT	NT
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.00013 U	0.000183 U	NT	NT	0.00015 U	NT	NT
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.000163 U	0.000323 U	NT	NT	0.000265 U	NT	NT
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.000232 R	0.000394 U	NT	NT	0.000323 U	NT	NT
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000323 U	0.000174 U	NT	NT	0.000143 U	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-F3 7.5-8.0 12/17/2008 Normal	SWMUB71-F3 8.5-9.0 01/21/2009 Normal	SWMUB71-F4 4.5-5.0 12/08/2008 Normal	(EXCAVATED) SWMUB71-F4 5.0 11/25/2008 Normal	(EXCAVATED) SWMUB71-F4 6.5-7.0 12/17/2008 Normal	(EXCAVATED) SWMUB71-F4 8.0-8.5 12/17/2008 Normal	SWMUB71-F4 9.5-10.0 01/21/2009 Normal
		TotSoilComb	GWSoilIng	GWSoilIng		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Explosives												
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	NT	NT	NT	0.0447 U	NT	NT	NT
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	NT	NT	NT	0.0259 U	NT	NT	NT
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	NT	NT	NT	0.0767 U	NT	NT	NT
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	NT	NT	NT	0.0479 U	NT	NT	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	NT	NT	NT	0.0876 U	NT	NT	NT
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	NT	NT	NT	0.0261 U	NT	NT	NT
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	NT	NT	NT	0.0873 U	NT	NT	NT
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	NT	NT	NT	0.053 U	NT	NT	NT
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	NT	NT	NT	0.0379 U	NT	NT	NT
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	NT	NT	NT	0.0259 U	NT	NT	NT
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	NT	NT	NT	0.0402 U	NT	NT	NT
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	NT	NT	NT	0.118 U	NT	NT	NT
Metals												
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	2.71 U	NT	1.79 B	3.69 B	2.63 U	2.71 U	NT
Barium	300 ²	7.8E+03	2.2E+02	---	300	4.19 B	NT	0.11 U	6.96 M	0.23 U	3.19 B	NT
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.12 U	NT	0.057 U	0.2 B	0.11 U	0.12 U	NT
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	4.19 M	NT	2.37	5.35	2.56 M	2.21 M	NT
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	3.48 B	NT	9.61	22.4	0.74 U	1.22 B	NT
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	49.7 M	2.74 B	59.6	391	13.9 M	743 M	0.7 B
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.012 M	NT	0.0043 U	0.027 M	0.0096 M	0.0092 M	NT
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	9.41 J	NT	2.82 B	6.69 B	6.34 J	6.38 J	NT
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	3.65 B	NT	2.34 M	21.5 B	1.49 U	1.79 B	NT
PCBs												
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
SVOCs												
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	NT	NT	NT	0.175 U	NT	NT	NT
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	0.175 U	NT	NT	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	0.175 U	NT	NT	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	0.175 U	NT	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-F3 7.5-8.0 12/17/2008 Normal	SWMUB71-F3 8.5-9.0 01/21/2009 Normal	SWMUB71-F4 4.5-5.0 12/08/2008 Normal	(EXCAVATED) SWMUB71-F4 5.0 11/25/2008 Normal	(EXCAVATED) SWMUB71-F4 6.5-7.0 12/17/2008 Normal	(EXCAVATED) SWMUB71-F4 8.0-8.5 12/17/2008 Normal	SWMUB71-F4 9.5-10.0 01/21/2009 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	NT	NT	NT	0.00643 U	NT	NT	NT
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	NT	NT	NT	0.00601 U	NT	NT	NT
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	NT	NT	NT	0.00843 U	NT	NT	NT
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	NT	NT	NT	0.00998 U	NT	NT	NT
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	NT	NT	NT	0.0835 U	NT	NT	NT
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	NT	NT	NT	0.118 U	NT	NT	NT
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	NT	NT	NT	0.0384 U	NT	NT	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	NT	NT	NT	0.037 U	NT	NT	NT
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	NT	NT	NT	0.00856 U	NT	NT	NT
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	NT	NT	NT	0.0144 U	NT	NT	NT
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	NT	NT	NT	0.0117 U	NT	NT	NT
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	NT	NT	NT	0.0148 U	NT	NT	NT
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	0.0084 U	NT	NT	NT
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	NT	NT	NT	0.0113 U	NT	NT	NT
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	NT	NT	NT	0.0115 U	NT	NT	NT
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	NT	NT	NT	0.11 U	NT	NT	NT
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	NT	NT	NT	0.0413 U	NT	NT	NT
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	NT	NT	NT	0.109 U	NT	NT	NT
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	NT	NT	NT	0.012 U	NT	NT	NT
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	NT	NT	NT	0.00897 U	NT	NT	NT
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	NT	NT	NT	0.00753 U	NT	NT	NT
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	NT	NT	NT	0.00571 U	NT	NT	NT
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	NT	NT	NT	0.039 U	NT	NT	NT
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	NT	NT	NT	0.0109 U	NT	NT	NT
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	NT	NT	NT	0.0101 U	NT	NT	NT
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	NT	NT	NT	0.00444 U	NT	NT	NT
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	NT	NT	NT	0.00512 U	NT	NT	NT
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	NT	NT	NT	0.0246 U	NT	NT	NT
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	NT	NT	NT	0.0234 U	NT	NT	NT
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	NT	NT	NT	0.0309 U	NT	NT	NT
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	NT	NT	NT	0.0225 U	NT	NT	NT
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	NT	NT	NT	0.00982 U	NT	NT	NT
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	NT	NT	NT	0.00972 U	NT	NT	NT
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	NT	NT	NT	0.151 U	NT	NT	NT
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	NT	NT	NT	0.0771 U	NT	NT	NT
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	NT	NT	NT	0.0241 U	NT	NT	NT
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	NT	NT	NT	0.0142 U	NT	NT	NT
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	NT	NT	NT	0.00885 U	NT	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-F3	SWMUB71-F3	SWMUB71-F4	(EXCAVATED)	(EXCAVATED)	(EXCAVATED)	SWMUB71-F4
		Tier 1 PCL ³ 30-Acre Source	Tier 1 PCL ³ 30-Acre Source	Tier 2 PCL ³ 30-Acre Source		7.5-8.0 12/17/2008 Normal	8.5-9.0 01/21/2009 Normal	4.5-5.0 12/08/2008 Normal	SWMUB71-F4 5.0 11/25/2008 Normal	SWMUB71-F4 6.5-7.0 12/17/2008 Normal	SWMUB71-F4 8.0-8.5 12/17/2008 Normal	9.5-10.0 01/21/2009 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	NT	NT	NT	0.0196 U	NT	NT	NT
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	NT	NT	NT	0.00949 U	NT	NT	NT
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	NT	NT	NT	0.128 U	NT	NT	NT
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	NT	NT	NT	0.00911 U	NT	NT	NT
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	NT	NT	NT	0.0137 U	NT	NT	NT
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	NT	NT	NT	0.0248 U	NT	NT	NT
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	NT	NT	NT	0.006 U	NT	NT	NT
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	NT	NT	NT	0.00928 U	NT	NT	NT
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	NT	NT	NT	0.011 U	NT	NT	NT
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	0.0714 U	NT	NT	NT
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	NT	NT	NT	0.0592 U	NT	NT	NT
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	NT	NT	NT	0.175 U	NT	NT	NT
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	NT	NT	NT	0.0528 U	NT	NT	NT
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	NT	NT	NT	0.0101 U	NT	NT	NT
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	0.0865 U	NT	NT	NT
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	NT	NT	NT	0.0757 U	NT	NT	NT
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	NT	NT	NT	0.014 U	NT	NT	NT
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	NT	NT	NT	0.00771 U	NT	NT	NT
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	NT	NT	NT	0.0211 U	NT	NT	NT
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	NT	NT	NT	0.00816 U	NT	NT	NT
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	NT	NT	NT	0.00942 U	NT	NT	NT
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	NT	NT	NT	0.01 U	NT	NT	NT
VOCs												
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	NT	NT	NT	0.000202 U	NT	NT	NT
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	NT	NT	NT	0.000116 U	NT	NT	NT
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	NT	NT	NT	0.000227 U	NT	NT	NT
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	NT	NT	NT	0.000293 U	NT	NT	NT
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	NT	NT	NT	0.000158 U	NT	NT	NT
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	NT	NT	NT	0.000203 U	NT	NT	NT
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	NT	NT	NT	0.000234 U	NT	NT	NT
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	NT	NT	NT	0.000822 U	NT	NT	NT
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	NT	NT	NT	0.000235 U	NT	NT	NT
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	NT	NT	NT	0.00062 U	NT	NT	NT
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	NT	NT	NT	0.000142 U	NT	NT	NT
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	NT	NT	NT	0.000806 U	NT	NT	NT
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	NT	NT	NT	0.000235 U	NT	NT	NT
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	0.000243 U	NT	NT	NT
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	NT	NT	NT	0.000227 U	NT	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-F3	SWMUB71-F3	SWMUB71-F4	(EXCAVATED)	(EXCAVATED)	(EXCAVATED)	SWMUB71-F4
		Tier 1 PCL ³ 30-Acre Source	Tier 1 PCL ³ 30-Acre Source	Tier 2 PCL ³ 30-Acre Source		7.5-8.0 12/17/2008 Normal	8.5-9.0 01/21/2009 Normal	4.5-5.0 12/08/2008 Normal	SWMUB71-F4 5.0 11/25/2008 Normal	SWMUB71-F4 6.5-7.0 12/17/2008 Normal	SWMUB71-F4 8.0-8.5 12/17/2008 Normal	SWMUB71-F4 9.5-10.0 01/21/2009 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	0.000259 U	NT	NT	NT
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	NT	NT	NT	0.00019 U	NT	NT	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	0.000231 U	NT	NT	NT
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	NT	NT	NT	0.000151 U	NT	NT	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	0.000331 U	NT	NT	NT
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	NT	NT	NT	0.000255 U	NT	NT	NT
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	NT	NT	NT	0.000295 U	NT	NT	NT
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	NT	NT	NT	0.000173 U	NT	NT	NT
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	NT	NT	NT	0.000251 U	NT	NT	NT
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	NT	NT	NT	0.000201 U	NT	NT	NT
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	NT	NT	NT	0.000261 U	NT	NT	NT
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	NT	NT	NT	0.000282 U	NT	NT	NT
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	NT	NT	NT	0.000211 U	NT	NT	NT
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	NT	NT	NT	0.000221 U	NT	NT	NT
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	NT	NT	NT	0.000112 U	NT	NT	NT
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	NT	NT	NT	0.000212 U	NT	NT	NT
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	NT	NT	NT	0.000758 U	NT	NT	NT
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	NT	NT	NT	0.000131 U	NT	NT	NT
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	NT	NT	NT	0.000199 U	NT	NT	NT
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	NT	NT	NT	0.000148 U	NT	NT	NT
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	NT	NT	NT	0.00032 U	NT	NT	NT
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	NT	NT	NT	0.000353 U	NT	NT	NT
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	NT	NT	NT	0.000186 U	NT	NT	NT
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	NT	NT	NT	0.000323 U	NT	NT	NT
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	0.000609 U	NT	NT	NT
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	NT	NT	NT	0.000245 U	NT	NT	NT
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	NT	NT	NT	0.000968 U	NT	NT	NT
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	NT	NT	NT	0.00136 U	NT	NT	NT
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	NT	NT	NT	0.000353 U	NT	NT	NT
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	NT	NT	NT	0.000184 U	NT	NT	NT
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	0.000851 U	NT	NT	NT
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	NT	NT	NT	0.000347 U	NT	NT	NT
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	NT	NT	NT	0.000193 U	NT	NT	NT
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	NT	NT	NT	0.000235 U	NT	NT	NT
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	NT	NT	NT	0.00015 U	NT	NT	NT
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	NT	NT	NT	0.000215 U	NT	NT	NT
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	NT	NT	NT	0.000228 U	NT	NT	NT
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	NT	NT	NT	0.000264 U	NT	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value¹ (mg/kg)	TRRP Residential Tier 1 PCL³ 30-Acre Source <small>^{Tot}Soil_{Comb}</small>	TRRP Residential Tier 1 PCL³ 30-Acre Source <small>^{GW}Soil_{Ing}</small>	TRRP Residential Tier 2 PCL³ 30-Acre Source <small>^{GW}Soil_{Ing}</small>	Critical PCL⁴ (mg/kg)	SWMUB71-F3 7.5-8.0 12/17/2008 Normal (mg/kg)	SWMUB71-F3 8.5-9.0 01/21/2009 Normal (mg/kg)	SWMUB71-F4 4.5-5.0 12/08/2008 Normal (mg/kg)	(EXCAVATED) SWMUB71-F4 5.0 11/25/2008 Normal (mg/kg)	(EXCAVATED) SWMUB71-F4 6.5-7.0 12/17/2008 Normal (mg/kg)	(EXCAVATED) SWMUB71-F4 8.0-8.5 12/17/2008 Normal (mg/kg)	SWMUB71-F4 9.5-10.0 01/21/2009 Normal (mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	NT	NT	NT	0.000136 U	NT	NT	NT
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	NT	NT	NT	0.000288 U	NT	NT	NT
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	NT	NT	NT	0.000177 U	NT	NT	NT
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	NT	NT	NT	0.000161 U	NT	NT	NT
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	NT	NT	NT	0.000286 U	NT	NT	NT
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	NT	NT	NT	0.000349 U	NT	NT	NT
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	NT	NT	NT	0.000154 U	NT	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-P1 0.0-0.5 03/31/2007 Normal	SWMUB71-P2 0.0-0.5 03/31/2007 Normal	SWMUB71-P3 0.0-0.5 03/31/2007 Normal	SWMUB71-P4 0.0-0.5 03/31/2007 Normal	SWMUB71-P5 1.0-2.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-P5 0.0-0.5 03/31/2007 Normal	SWMUB71-P5 1.0-2.0 06/18/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Explosives												
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0591 U	0.0579 U	0.0537 U	0.0524 U	0.0566 U	0.0569 U	NT
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0343 U	0.0336 U	0.0311 U	0.0304 U	0.0328 U	0.033 U	NT
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.101 U	0.0995 U	0.0921 U	0.09 U	0.0972 U	0.0976 U	NT
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0634 U	0.0622 U	0.0576 U	0.0562 U	0.0607 U	0.061 U	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.116 U	0.114 U	0.105 U	0.103 U	0.111 U	0.112 U	NT
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0345 U	0.0339 U	0.0314 U	0.0307 U	0.0331 U	0.0333 U	NT
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.115 U	0.113 U	0.105 U	0.102 U	0.111 U	0.111 U	NT
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0701 U	0.0687 U	0.0637 U	0.0622 U	0.0671 U	0.0674 U	NT
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0502 U	0.0492 U	0.0456 U	0.0445 U	0.0481 U	0.0483 U	NT
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0343 U	0.0336 U	0.0311 U	0.0304 U	0.0328 U	0.033 U	NT
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0532 U	0.0522 U	0.0483 U	0.0472 U	0.051 U	0.0512 U	NT
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.156 R	0.153 R	0.142 U	0.138 U	0.149 R	0.15 R	NT
Metals												
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	3.25	2.81	2.61	3.38	6.74	3.21	0.2 U
Barium	300 ²	7.8E+03	2.2E+02	---	300	128 M	88.4 M	127	101	105	84.1 M	104
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.071 B	0.018 U	0.14 B	0.13 B	0.17 J	0.017 U	0.09 J
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	24.2	16.1	22	23	20.3	20.7	17.8 J
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	8.66	14.1	17.2	11.9	43	10.2	37.4 J
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	21.6	54.5	46.8 J	22.5 J	184	19.7	127
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.014	0.023	0.035	0.037	0.099	0.019	0.065
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	18.9	13	19.1	20.2	15.2	15.1	17.1
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	33.1 J	36.2 J	41.5 J	36.5 J	118	32.3 J	153 J
PCBs												
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
SVOCs												
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.0407 U	0.0394 U	0.0404 U	0.0415 U	0.0387 U	0.0388 U	NT
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.0689 U	0.0668 U	0.0685 U	0.0704 U	0.0656 U	0.0657 U	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.0719 U	0.0696 U	0.0714 U	0.0734 U	0.0684 U	0.0685 U	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.0653 U	0.0632 U	0.0649 U	0.0667 U	0.0622 U	0.0623 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-P1 0.0-0.5 03/31/2007 Normal	SWMUB71-P2 0.0-0.5 03/31/2007 Normal	SWMUB71-P3 0.0-0.5 03/31/2007 Normal	SWMUB71-P4 0.0-0.5 03/31/2007 Normal	SWMUB71-P5 1.0-2.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-P5 0.0-0.5 03/31/2007 Normal	SWMUB71-P5 1.0-2.0 06/18/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.00648 U	0.00627 U	0.00643 U	0.00661 U	0.00616 U	0.00617 U	NT
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.0104 U	0.0101 U	0.0103 U	0.0106 U	0.00992 U	0.00993 U	NT
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.00795 U	0.0077 U	0.0079 U	0.00812 U	0.00757 U	0.00758 U	NT
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0345 U	0.0334 U	0.0343 U	0.0353 U	0.0329 U	0.0329 U	NT
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.0758 U	0.0734 U	0.0752 U	0.0773 U	0.0721 U	0.0722 U	NT
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.0265 U	0.0256 U	0.0263 U	0.027 U	0.0252 U	0.0252 U	NT
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0375 U	0.0363 U	0.0372 U	0.0382 U	0.0357 U	0.0357 U	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.00794 U	0.00769 U	0.00788 U	0.0081 U	0.00756 U	0.00757 U	NT
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.0337 U	0.0326 U	0.0335 U	0.0344 U	0.0321 U	0.0321 U	NT
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0345 U	0.0334 U	0.0343 U	0.0353 U	0.0329 U	0.0329 U	NT
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.00992 U	0.0096 U	0.00985 U	0.0101 U	0.00944 U	0.00945 U	NT
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.0234 U	0.0227 U	0.0232 U	0.0239 U	0.0223 U	0.0223 U	NT
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.0105 U	0.0102 U	0.0104 U	0.0107 U	0.01 U	0.01 U	NT
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0134 U	0.0129 U	0.0133 U	0.0136 U	0.0127 U	0.0127 U	NT
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.0134 U	0.013 U	0.0133 U	0.0137 U	0.0128 U	0.0128 U	NT
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.078 U	0.0755 U	0.0774 U	0.0796 U	0.0742 U	0.0743 U	NT
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.00918 U	0.00889 U	0.00911 U	0.00937 U	0.00874 U	0.00875 U	NT
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.0174 U	0.0169 U	0.0173 U	0.0178 U	0.0166 U	0.0166 U	NT
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0171 U	0.0166 U	0.017 U	0.0175 U	0.0163 U	0.0163 U	NT
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.0138 U	0.0134 U	0.0137 U	0.0141 U	0.0132 U	0.0132 U	NT
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.0568 U	0.055 U	0.0564 U	0.058 U	0.0541 U	0.0542 U	NT
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.0538 U	0.0521 U	0.0534 U	0.0549 U	0.0512 U	0.0512 U	NT
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.0115 U	0.0111 U	0.0114 U	0.0117 U	0.011 U	0.011 U	NT
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.00992 U	0.0096 U	0.00985 U	0.0101 U	0.00944 U	0.00945 U	NT
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.01 U	0.00971 U	0.00996 U	0.0102 U	0.00955 U	0.00956 U	NT
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.00691 U	0.00669 U	0.00686 U	0.00705 U	0.00658 U	0.00658 U	NT
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00813 U	0.00788 U	0.00808 U	0.0083 U	0.00774 U	0.00775 U	NT
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.0109 U	0.0106 U	0.0109 U	0.0112 U	0.0104 U	0.0104 U	NT
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.00879 U	0.0266 J	0.0273 J	0.03 J	0.00837 U	0.00838 U	NT
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0372 U	0.036 U	0.0369 U	0.038 U	0.0354 U	0.0354 U	NT
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.215 M	0.208 U	0.213 U	0.219 U	0.204 U	0.204 U	NT
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.0101 U	0.00976 U	0.01 U	0.0103 U	0.0096 U	0.00961 U	NT
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.00715 U	0.00692 U	0.00709 U	0.00729 U	0.0068 U	0.00681 U	NT
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.05 U	0.0484 U	0.0496 U	0.051 U	0.0476 U	0.0477 U	NT
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.0453 U	0.0438 U	0.0449 U	0.0462 U	0.0431 U	0.0431 U	NT
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0219 U	0.0329 J	0.0217 U	0.0223 U	0.0208 U	0.491	NT
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.0106 U	0.0102 U	0.0105 U	0.0108 U	0.0101 U	0.0101 U	NT
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.0146 U	0.0142 U	0.0145 U	0.0149 U	0.0139 U	0.0139 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP	TRRP	TRRP	Critical PCL ⁴ (mg/kg)	SWMUB71-P1	SWMUB71-P2	SWMUB71-P3	SWMUB71-P4	SWMUB71-P5	(EXCAVATED)	SWMUB71-P5
		Residential Tier 1 PCL ³ 30-Acre Source <small>^{Tot}Soil_{Comb}</small>	Residential Tier 1 PCL ³ 30-Acre Source <small>^{GW}Soil_{Ing}</small>	Residential Tier 2 PCL ³ 30-Acre Source <small>^{GW}Soil_{Ing}</small>		0.0-0.5 03/31/2007 Normal (mg/kg)	0.0-0.5 03/31/2007 Normal (mg/kg)	0.0-0.5 03/31/2007 Normal (mg/kg)	0.0-0.5 03/31/2007 Normal (mg/kg)	1.0-2.0 03/29/2007 Normal (mg/kg)	0.0-0.5 03/31/2007 Normal (mg/kg)	1.0-2.0 06/18/2007 Normal (mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.0429 U	0.0415 U	0.0426 U	0.0438 U	0.0408 U		0.0409 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.00591 U	0.00572 U	0.00586 U	0.00603 U	0.00562 U		0.00563 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.00755 U	0.00731 U	0.0075 U	0.0227 J	0.00719 U		0.0072 U
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.0273 U	0.0264 U	0.0271 U	0.0279 U	0.026 U		0.026 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.00925 U	0.00895 U	0.00918 U	0.00944 U	0.0088 U		0.00882 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.00964 U	0.00933 U	0.00957 U	0.00984 U	0.00917 U		0.00919 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.0122 U	0.0118 U	0.0121 U	0.0125 U	0.0116 U		0.0117 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.00773 U	0.00748 U	0.00767 U	0.00789 U	0.00736 U		0.00737 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0134 U	0.013 U	0.0133 U	0.0137 U	0.0127 U		0.0128 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0449 M	0.0434 U	0.0445 U	0.0458 U	0.0427 U		0.0427 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.034 U	0.0329 U	0.0337 U	0.0347 U	0.0323 U		0.0324 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.0613 U	0.0593 U	0.0608 U	0.0626 U	0.0583 U		0.0584 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0318 U	0.0307 U	0.0315 U	0.0324 U	0.0302 U		0.0303 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.00641 U	0.0062 U	0.00636 U	0.00654 U	0.0061 U		0.00611 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0368 U	0.0356 U	0.0365 U	0.0375 U	0.035 U		0.035 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0474 U	0.0458 U	0.047 U	0.0483 U	0.0451 U		0.0451 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.0104 U	0.0101 U	0.0103 U	0.0106 U	0.00992 U		0.00993 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.0152 U	1	0.0151 U	0.0155 U	2.3		0.0145 U
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0408 U	0.0395 U	0.0405 U	0.0417 U	0.0388 U		0.0389 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00719 U	0.00696 U	0.00714 U	0.00734 U	0.00684 U		0.00685 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.00953 U	0.00922 U	0.00946 U	0.00972 U	0.00907 U		0.00908 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0215 U	0.0208 U	0.0213 U	0.0219 U	0.0204 U		0.0204 U
VOCs												
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.00019 M	0.000172 U	0.000186 U	0.000176 U	0.000243 U		0.000183 U
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.000133 M	0.00012 U	0.00013 U	0.000123 U	0.00017 U		0.000128 U
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.000194 M	0.000176 U	0.000176 U	0.000176 U	0.000176 U		0.000176 U
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.000123 M	0.000112 U	0.00012 U	0.000114 U	0.000157 U		0.000118 U
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000171 M	0.000156 U	0.000168 U	0.000159 U	0.00022 U		0.000165 U
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000387 M	0.000351 U	0.000379 U	0.000358 U	0.000496 U		0.000373 U
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.00014 M	0.000127 U	0.000137 U	0.00013 U	0.00018 U		0.000135 U
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.000256 M	0.000232 U	0.0116 U	0.0118 U	0.000327 U		0.000246 U
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000264 M	0.00024 U	0.012 U	0.0122 U	0.000338 U		0.000255 U
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000353 M	0.00032 U	0.016 U	0.0163 U	0.000452 U		0.00034 U
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	0.000213 M	0.000194 U	0.000194 U	0.000194 U	0.000194 U		0.000206 U
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.000934 M	0.000848 U	0.0423 R	0.0432 R	0.0012 U		0.0009 U
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000162 M	0.000147 U	0.000158 U	0.00015 U	0.000207 U		0.000156 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000123 M	0.000112 U	0.000112 U	0.000112 U	0.000112 U		0.000112 U
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000123 M	0.000112 U	0.000112 U	0.000114 U	0.000157 U		0.000118 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-P1 0.0-0.5 03/31/2007 Normal	SWMUB71-P2 0.0-0.5 03/31/2007 Normal	SWMUB71-P3 0.0-0.5 03/31/2007 Normal	SWMUB71-P4 0.0-0.5 03/31/2007 Normal	SWMUB71-P5 1.0-2.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-P5 0.0-0.5 03/31/2007 Normal	SWMUB71-P5 1.0-2.0 06/18/2007 Normal
		^{SoilComb}	^{SoilIng}	^{SoilIng}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000121 M	0.00011 U	0.000118 U	0.000112 U	0.000155 U	0.000112 U	NT
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.000176 M	0.00016 U	0.00796 U	0.00814 U	0.000225 U	0.000169 U	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.000254 M	0.000231 U	0.0115 U	0.0118 U	0.000326 U	0.000245 U	NT
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000147 M	0.000133 U	0.000143 U	0.000136 U	0.000188 U	0.000141 U	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.000454 M	0.000412 U	0.0205 U	0.021 U	0.000582 U	0.000438 U	NT
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.00013 M	0.000118 U	0.000128 U	0.000121 U	0.000167 U	0.000126 U	NT
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.00019 M	0.000172 R	0.000186 U	0.000176 U	0.000243 U	0.000183 R	NT
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000162 M	0.000147 U	0.00732 U	0.00749 U	0.000207 U	0.000156 U	NT
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.00035 M	0.000318 U	0.0159 U	0.0162 U	0.000449 U	0.000338 U	NT
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.000112 M	0.000102 U	0.00011 U	0.000104 U	0.0156	0.0119	NT
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000253 M	0.00023 U	0.0115 U	0.0117 U	0.000325 U	0.000244 U	NT
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000278 M	0.000253 R	0.000272 U	0.000258 U	0.000356 U	0.000268 R	NT
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.000146 M	0.000132 U	0.000142 U	0.000135 U	0.000187 U	0.00014 U	NT
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.000182 M	0.000165 U	0.000178 U	0.000169 U	0.000233 U	0.000176 U	NT
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000129 M	0.000117 U	0.000127 U	0.00012 U	0.000166 U	0.000125 U	NT
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000178 M	0.000162 U	0.000174 U	0.000165 U	0.000228 U	0.000172 U	NT
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.000653 M	0.000593 R	0.000639 R	0.000605 R	0.000837 U	0.00063 R	NT
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.000152 M	0.000138 U	0.000149 U	0.000141 U	0.000195 U	0.000147 U	NT
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000136 M	0.000123 U	0.000133 U	0.000126 U	0.000174 U	0.000131 U	NT
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000124 M	0.000113 U	0.000121 U	0.000115 U	0.000159 U	0.00012 U	NT
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.000097 M	0.000088 U	0.000095 U	0.00009 U	0.000124 U	0.000094 U	NT
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.000168 M	0.000153 U	0.000165 U	0.000156 U	0.000216 U	0.000162 U	NT
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.000392 M	0.000356 U	0.000384 R	0.000363 R	0.000503 U	0.000378 U	NT
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.000223 M	0.000203 U	0.000218 U	0.000207 U	0.000286 U	0.000215 U	NT
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.00134 U	0.00122 U	0.0608 R	0.0621 R	0.00172 U	0.00129 U	NT
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000165 M	0.00015 U	0.000161 U	0.000153 U	0.000211 U	0.000159 U	NT
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.000429 M	0.00039 U	0.00042 U	0.000397 U	0.00055 U	0.000414 U	NT
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.00162 M	0.00147 U	0.00159 U	0.0015 U	0.00208 U	0.00156 U	NT
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.0005 M	0.000454 U	0.000489 R	0.000463 R	0.000641 U	0.000482 U	NT
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000516 M	0.000469 U	0.000505 U	0.000478 U	0.000662 U	0.000498 U	NT
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.000405 M	0.000368 U	0.0632 U	0.0188 U	0.000519 U	0.000391 U	NT
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.000192 M	0.000174 U	0.000869 U	0.000889 U	0.000246 U	0.000185 U	NT
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000151 M	0.000137 U	0.00683 U	0.00699 U	0.000193 U	0.000146 U	NT
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.000188 M	0.00017 U	0.000184 U	0.000174 U	0.00024 U	0.000181 U	NT
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.000174 M	0.000158 U	0.00786 U	0.00804 U	0.000222 U	0.000167 U	NT
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000126 M	0.000115 U	0.00571 U	0.00584 U	0.000162 U	0.000122 U	NT
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.000164 M	0.000149 U	0.00016 U	0.000152 U	0.00021 U	0.000158 U	NT
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000272 M	0.000247 U	0.0123 U	0.0126 U	0.000348 U	0.000262 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-P1 0.0-0.5 03/31/2007 Normal	SWMUB71-P2 0.0-0.5 03/31/2007 Normal	SWMUB71-P3 0.0-0.5 03/31/2007 Normal	SWMUB71-P4 0.0-0.5 03/31/2007 Normal	SWMUB71-P5 1.0-2.0 03/29/2007 Normal	(EXCAVATED) SWMUB71-P5 0.0-0.5 03/31/2007 Normal	SWMUB71-P5 1.0-2.0 06/18/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000207 M	0.000188 U	0.000202 U	0.000192 U	0.000265 U	0.0002 U	NT
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.000593 M	0.000538 U	0.00058 U	0.00212 J	0.0151 J	0.000572 U	NT
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000177 M	0.000161 U	0.000173 U	0.000164 U	0.000227 U	0.00017 U	NT
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.000152 M	0.000138 U	0.000149 U	0.000141 U	0.000195 U	0.000147 U	NT
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.000191 M	0.000173 U	0.000187 U	0.000177 U	0.000245 U	0.000184 U	NT
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.000272 M	0.000247 R	0.000266 U	0.000252 U	0.000348 U	0.000262 R	NT
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000378 M	0.000344 U	0.00037 U	0.00035 U	0.000485 U	0.000365 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-P5 2.5 01/16/2009 Normal	SWMUB71-P5 4.0 01/16/2009 Normal	SWMUB71-P5 1.0-1.25 02/10/2011 Normal	SWMUB71-P6 0.0-0.5 03/31/2007 Normal	SWMUB71-P6 1.0-2.0 03/29/2007 Normal	SWMUB71-P6 1.0-2.0 03/29/2007 Duplicate	SWMUB71-P6 5.0 01/16/2009 Normal
		30-Acre Source ^{Tot} Soil _{Comb}	30-Acre Source ^{GW} Soil _{Ing}	30-Acre Source ^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Explosives												
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	NT	NT	NT	0.0546 U	0.0682 U	0.0584 U	NT
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	NT	NT	NT	0.0317 U	0.0396 U	0.0339 U	NT
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	NT	NT	NT	0.0938 U	0.117 U	0.1 U	NT
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	NT	NT	NT	0.0586 U	0.0732 U	0.0627 U	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	NT	NT	NT	0.107 U	0.134 U	0.115 U	NT
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	NT	NT	NT	0.0319 U	0.0399 U	0.0342 U	NT
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	NT	NT	NT	0.107 U	0.133 U	0.114 U	NT
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	NT	NT	NT	0.0648 U	0.0809 U	0.0693 U	NT
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	NT	NT	NT	0.0464 U	0.0579 U	0.0496 U	NT
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	NT	NT	NT	0.0317 U	0.0396 U	0.0339 U	NT
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	NT	NT	NT	0.0492 U	0.0615 U	0.0526 U	NT
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	NT	NT	NT	0.144 U	0.18 R	0.154 R	NT
Metals												
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	NT	NT	NT	3.11	4.66	3.95	NT
Barium	300 ²	7.8E+03	2.2E+02	---	300	NT	NT	NT	84.6	111 M	118 M	NT
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	NT	NT	NT	0.017 U	0.021 U	0.018 U	NT
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	NT	NT	NT	21.1	22.5	22.9	NT
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	NT	NT	NT	10.4	9.01 M	9.63 M	NT
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	NT	NT	43.1	15.9 J	15.7 M	15.6 M	NT
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	NT	NT	NT	0.015	0.0092 B	0.0077 B	NT
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	NT	NT	NT	15.2	18.5	18.8	NT
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	NT	NT	37.2	31 J	32.6 M	32.9 M	NT
PCBs												
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
SVOCs												
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	NT	NT	NT	0.0395 U	0.047 U	0.0401 U	NT
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	0.0669 U	0.0796 U	0.068 U	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	0.0698 U	0.083 U	0.0708 U	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	0.0634 U	0.0755 U	0.0644 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-P5 2.5 01/16/2009 Normal (mg/kg)	SWMUB71-P5 4.0 01/16/2009 Normal (mg/kg)	SWMUB71-P5 1.0-1.25 02/10/2011 Normal (mg/kg)	SWMUB71-P6 0.0-0.5 03/31/2007 Normal (mg/kg)	SWMUB71-P6 1.0-2.0 03/29/2007 Normal (mg/kg)	SWMUB71-P6 1.0-2.0 03/29/2007 Duplicate (mg/kg)	SWMUB71-P6 5.0 01/16/2009 Normal (mg/kg)
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}								
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	NT	NT	NT	0.00629 U	0.00748 U	0.00638 U	NT
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	NT	NT	NT	0.0101 U	0.012 U	0.0103 U	NT
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	NT	NT	NT	0.00772 U	0.00919 U	0.00784 U	NT
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	NT	NT	NT	0.0335 U	0.0399 U	0.0341 U	NT
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	NT	NT	NT	0.0736 U	0.0875 U	0.0747 U	NT
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	NT	NT	NT	0.0257 U	0.0306 R	0.0261 R	NT
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	NT	NT	NT	0.0364 U	0.0433 U	0.0369 U	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	NT	NT	NT	0.00771 U	0.00917 U	0.00783 U	NT
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	NT	NT	NT	0.0327 U	0.0389 U	0.0332 U	NT
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	NT	NT	NT	0.0335 U	0.0399 U	0.0341 U	NT
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	NT	NT	NT	0.00963 U	0.0115 U	0.00978 U	NT
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	NT	NT	NT	0.0227 U	0.027 U	0.0231 U	NT
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	0.0102 U	0.0121 U	0.0104 U	NT
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	NT	NT	NT	0.013 U	0.0154 U	0.0132 U	NT
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	NT	NT	NT	0.0131 U	0.0155 U	0.0132 U	NT
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	NT	NT	NT	0.0757 U	0.0901 U	0.0769 U	NT
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	NT	NT	NT	0.00891 U	0.0106 U	0.00905 U	NT
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	NT	NT	NT	0.0169 U	0.0201 U	0.0172 U	NT
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	NT	NT	NT	0.0166 U	0.0198 U	0.0169 U	NT
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	NT	NT	NT	0.0134 U	0.016 U	0.0136 U	NT
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	NT	NT	NT	0.0552 U	0.0656 U	0.056 U	NT
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	NT	NT	NT	0.0522 U	0.0621 U	0.053 U	NT
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	NT	NT	NT	0.0112 U	0.0133 U	0.0113 U	NT
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	NT	NT	NT	0.00963 U	0.0115 U	0.00978 U	NT
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	NT	NT	NT	0.00974 U	0.0116 U	0.00989 U	NT
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	NT	NT	NT	0.00671 U	0.00798 U	0.00681 U	NT
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	NT	NT	NT	0.0079 U	0.0094 U	0.00802 U	NT
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	NT	NT	NT	0.0106 U	0.0126 U	0.0108 U	NT
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	NT	NT	NT	0.00853 U	0.0102 U	0.00866 U	NT
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	NT	NT	NT	0.0361 U	0.043 U	0.0367 U	NT
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	NT	NT	NT	0.208 U	0.248 R	0.211 R	NT
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	NT	NT	NT	0.00979 U	0.0116 U	0.00994 U	NT
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	NT	NT	NT	0.00694 U	0.00825 U	0.00704 U	NT
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	NT	NT	NT	0.0486 U	0.0578 U	0.0493 U	NT
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	NT	NT	NT	0.044 U	0.0523 U	0.0446 U	NT
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	NT	NT	NT	0.0212 U	0.0253 U	0.0216 U	NT
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	NT	NT	NT	0.0103 U	0.0122 U	0.0104 U	NT
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	NT	NT	NT	0.0142 U	0.0169 U	0.0144 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-P5	SWMUB71-P5	SWMUB71-P5	SWMUB71-P6	SWMUB71-P6	SWMUB71-P6	SWMUB71-P6
		Tier 1 PCL ³ 30-Acre Source <small>TotSoilComb</small>	Tier 1 PCL ³ 30-Acre Source <small>GWSoilInq</small>	Tier 2 PCL ³ 30-Acre Source <small>GWSoilInq</small>		2.5 01/16/2009 Normal (mg/kg)	4.0 01/16/2009 Normal (mg/kg)	1.0-1.25 02/10/2011 Normal (mg/kg)	0.0-0.5 03/31/2007 Normal (mg/kg)	1.0-2.0 03/29/2007 Normal (mg/kg)	1.0-2.0 03/29/2007 Duplicate (mg/kg)	5.0 01/16/2009 Normal (mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	NT	NT	NT	0.0417 U	0.0496 U	0.0423 U	NT
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	NT	NT	NT	0.00573 U	0.00682 U	0.00582 U	NT
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	NT	NT	NT	0.00733 U	0.00872 U	0.00744 U	NT
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	NT	NT	NT	0.0265 U	0.0315 U	0.0269 U	NT
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	NT	NT	NT	0.00898 U	0.0107 U	0.00912 U	NT
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	NT	NT	NT	0.00936 U	0.0111 U	0.0095 U	NT
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	NT	NT	NT	0.0119 U	0.0141 U	0.0121 U	NT
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	NT	NT	NT	0.00751 U	0.00893 U	0.00762 U	NT
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	NT	NT	NT	0.013 U	0.0155 U	0.0132 U	NT
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	0.0436 U	0.0518 U	0.0442 U	NT
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	NT	NT	NT	0.033 U	0.0393 U	0.0335 U	NT
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	NT	NT	NT	0.0595 U	0.0708 U	0.0604 U	NT
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	NT	NT	NT	0.0308 U	0.0367 U	0.0313 U	NT
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	NT	NT	NT	0.00622 U	0.0074 U	0.00632 U	NT
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	0.0357 U	0.0425 U	0.0362 U	NT
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	NT	NT	NT	0.046 U	0.0547 U	0.0467 U	NT
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	NT	NT	NT	0.0101 U	0.012 U	0.0103 U	NT
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.00895 U	0.00809 U	NT	0.0147 U	0.0175 U	0.015 U	NT
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	NT	NT	NT	0.0396 U	0.0471 U	0.0402 U	NT
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	NT	NT	NT	0.0172 J	0.0083 U	0.00708 U	NT
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	NT	NT	NT	0.00925 U	0.011 U	0.00939 U	NT
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	NT	NT	NT	0.0208 U	0.0248 U	0.0211 U	NT
VOCs												
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	NT	NT	NT	0.000238 U	0.000221 U	0.000203 U	NT
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	NT	NT	NT	0.000166 U	0.000155 U	0.000142 U	NT
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	NT	NT	NT	0.000243 U	0.000226 U	0.000208 U	NT
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	NT	NT	NT	0.000154 U	0.000143 U	0.000132 U	NT
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	NT	NT	NT	0.000215 U	0.0002 U	0.000183 U	NT
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	NT	NT	NT	0.000486 U	0.000451 U	0.000414 U	NT
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	NT	NT	NT	0.000176 U	0.000163 U	0.00015 U	NT
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	NT	NT	NT	0.000321 U	0.000298 U	0.000273 U	NT
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	NT	NT	NT	0.000331 U	0.000308 U	0.000283 U	NT
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	NT	NT	NT	0.000442 U	0.000411 U	0.000377 U	NT
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	NT	NT	NT	0.000268 U	0.000249 U	0.000228 U	NT
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	NT	NT	NT	0.00117 U	0.00109 U	0.000999 U	NT
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	NT	NT	NT	0.000203 U	0.000189 U	0.000173 U	NT
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	NT	NT	NT	0.000154 U	0.000143 U	0.000132 U	NT
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	NT	NT	NT	0.000154 U	0.000143 U	0.000132 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-P5 2.5 01/16/2009 Normal	SWMUB71-P5 4.0 01/16/2009 Normal	SWMUB71-P5 1.0-1.25 02/10/2011 Normal	SWMUB71-P6 0.0-0.5 03/31/2007 Normal	SWMUB71-P6 1.0-2.0 03/29/2007 Normal	SWMUB71-P6 1.0-2.0 03/29/2007 Duplicate	SWMUB71-P6 5.0 01/16/2009 Normal
		^{Tot} Soil _{Comb} 30-Acre Source	^{GW} Soil _{Ing} 30-Acre Source	^{GW} Soil _{Ing} 30-Acre Source		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	NT	NT	NT	0.000151 U	0.000141 U	0.000129 U	NT
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	NT	NT	NT	0.00022 U	0.000205 U	0.000188 U	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	NT	NT	NT	0.000319 U	0.000297 U	0.000272 U	NT
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	NT	NT	NT	0.000184 U	0.000171 U	0.000157 U	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	NT	NT	NT	0.000569 U	0.000529 U	0.000486 U	NT
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	NT	NT	NT	0.000164 U	0.000152 U	0.00014 U	NT
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	NT	NT	NT	0.000238 R	0.000221 U	0.000203 R	NT
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	NT	NT	NT	0.000203 U	0.000189 U	0.000173 U	NT
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	NT	NT	NT	0.00044 U	0.000409 U	0.000375 U	NT
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.000682 J	0.0117 U	NT	0.0145 J	0.00504 J	0.00481 J	0.0017 J
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	NT	NT	NT	0.000318 U	0.000295 U	0.000271 U	NT
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	NT	NT	NT	0.000349 R	0.000324 U	0.000298 R	NT
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	NT	NT	NT	0.000183 U	0.00017 U	0.000156 U	NT
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	NT	NT	NT	0.000229 U	0.000212 U	0.000195 U	NT
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	NT	NT	NT	0.000162 U	0.000151 U	0.000138 U	NT
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	NT	NT	NT	0.000223 U	0.000207 U	0.00019 U	NT
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	NT	NT	NT	0.00082 R	0.000762 R	0.000699 R	NT
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	NT	NT	NT	0.000191 U	0.000177 U	0.000163 U	NT
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	NT	NT	NT	0.00017 U	0.000158 U	0.000145 U	NT
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	NT	NT	NT	0.000156 U	0.000145 U	0.000133 U	NT
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	NT	NT	NT	0.000122 U	0.000113 U	0.000104 U	NT
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	NT	NT	NT	0.000211 U	0.000196 U	0.00018 U	NT
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	NT	NT	NT	0.000492 U	0.000458 U	0.00042 U	NT
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	NT	NT	NT	0.00028 U	0.00026 U	0.000239 U	NT
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	NT	NT	NT	0.00168 U	0.00156 U	0.00144 U	NT
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	NT	NT	NT	0.000207 U	0.000192 U	0.000177 U	NT
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	NT	NT	NT	0.000538 U	0.0005 U	0.000459 U	NT
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	NT	NT	NT	0.00204 U	0.00189 U	0.00174 U	NT
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	NT	NT	NT	0.000628 U	0.000583 U	0.000535 U	NT
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	NT	NT	NT	0.000648 U	0.000602 U	0.000553 U	NT
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	NT	NT	NT	0.000509 U	0.000473 U	0.000434 U	NT
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	NT	NT	NT	0.000241 U	0.000224 U	0.000205 U	NT
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	NT	NT	NT	0.000189 U	0.000176 U	0.000162 U	NT
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	NT	NT	NT	0.000235 U	0.000219 U	0.000201 U	NT
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	NT	NT	NT	0.000218 U	0.000202 U	0.000186 U	NT
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	NT	NT	NT	0.000158 U	0.000147 U	0.000135 U	NT
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	NT	NT	NT	0.000206 U	0.000191 U	0.000175 U	NT
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	NT	NT	NT	0.000341 U	0.000317 U	0.000291 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value¹ (mg/kg)	TRRP Residential Tier 1 PCL³ 30-Acre Source <small>^{Tot}Soil_{Comb}</small>	TRRP Residential Tier 1 PCL³ 30-Acre Source <small>^{GW}Soil_{Ing}</small>	TRRP Residential Tier 2 PCL³ 30-Acre Source <small>^{GW}Soil_{Ing}</small>	Critical PCL⁴ (mg/kg)	SWMUB71-P5 2.5 01/16/2009 Normal (mg/kg)	SWMUB71-P5 4.0 01/16/2009 Normal (mg/kg)	SWMUB71-P5 1.0-1.25 02/10/2011 Normal (mg/kg)	SWMUB71-P6 0.0-0.5 03/31/2007 Normal (mg/kg)	SWMUB71-P6 1.0-2.0 03/29/2007 Normal (mg/kg)	SWMUB71-P6 1.0-2.0 03/29/2007 Duplicate (mg/kg)	SWMUB71-P6 5.0 01/16/2009 Normal (mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	NT	NT	NT	0.00026 U	0.000241 U	0.000222 U	NT
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	NT	NT	NT	0.0104 J	0.000691 U	0.000635 U	NT
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	NT	NT	NT	0.000222 U	0.000206 U	0.000189 U	NT
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	NT	NT	NT	0.000191 U	0.000177 U	0.000163 U	NT
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	NT	NT	NT	0.000239 U	0.000222 U	0.000204 U	NT
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	NT	NT	NT	0.000341 R	0.000317 U	0.000291 R	NT
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	NT	NT	NT	0.000475 U	0.000441 U	0.000405 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-P6 6.0 01/16/2009 Normal (mg/kg)	SWMUB71-P7 0.0-0.5 03/31/2007 Normal (mg/kg)	SWMUB71-P7 1.0-2.0 03/29/2007 Normal (mg/kg)	SWMUB71-P7 5.0 01/16/2009 Normal (mg/kg)	SWMUB71-P7 6.0 01/16/2009 Normal (mg/kg)	SWMUB71-P8 0.0-0.5 03/31/2007 Normal (mg/kg)	SWMUB71-P8 1.0-2.0 03/29/2007 Normal (mg/kg)
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}								
Explosives												
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	NT	0.0556 U	0.0565 R	NT	NT	0.0507 U	0.0548 U
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	NT	0.0323 U	0.0328 R	NT	NT	0.0294 U	0.0318 U
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	NT	0.0955 U	0.097 R	NT	NT	0.0871 U	0.0941 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	NT	0.0597 U	0.0606 R	NT	NT	0.0544 U	0.0588 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	NT	0.109 U	0.111 R	NT	NT	0.0995 U	0.108 U
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	NT	0.0325 U	0.033 R	NT	NT	0.0297 U	0.032 U
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	NT	0.109 U	0.11 R	NT	NT	0.0992 U	0.107 U
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	NT	0.066 U	0.067 R	NT	NT	0.0602 U	0.065 U
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	NT	0.0472 U	0.048 R	NT	NT	0.0431 U	0.0465 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	NT	0.0323 U	0.0328 R	NT	NT	0.0294 U	0.0318 U
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	NT	0.0501 U	0.0509 R	NT	NT	0.0457 U	0.0494 U
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	NT	0.147 R	0.149 R	NT	NT	0.134 R	0.145 R
Metals												
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	NT	3.08	5.46	NT	NT	3.74	1.69 B
Barium	300 ²	7.8E+03	2.2E+02	---	300	NT	73.4 M	90.4	NT	NT	89.8 M	65.7 M
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	NT	0.019 U	0.17 B	NT	NT	0.017 U	0.062 B
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	NT	17.3	19.7	NT	NT	18.9	13.2
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	NT	8.94	10.8 M	NT	NT	11.7	4.79
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	NT	16.5 J	13.9 M	NT	NT	18.1 J	9.12
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	NT	0.0059 B	0.021	NT	NT	0.014	0.0056 B
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	NT	12.9	14.6	NT	NT	14.6	8.97
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	NT	29.8 J	30.7	NT	NT	30.7 J	17.4 M
PCBs												
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
SVOCs												
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	NT	0.0414 U	0.0388 U	NT	NT	0.0379 U	0.0372 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	NT	0.0702 U	0.0657 U	NT	NT	0.0643 U	0.0631 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	NT	0.0732 U	0.0685 U	NT	NT	0.067 U	0.0658 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	NT	0.0665 U	0.0623 U	NT	NT	0.0609 U	0.0598 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-P6 6.0 01/16/2009 Normal (mg/kg)	SWMUB71-P7 0.0-0.5 03/31/2007 Normal (mg/kg)	SWMUB71-P7 1.0-2.0 03/29/2007 Normal (mg/kg)	SWMUB71-P7 5.0 01/16/2009 Normal (mg/kg)	SWMUB71-P7 6.0 01/16/2009 Normal (mg/kg)	SWMUB71-P8 0.0-0.5 03/31/2007 Normal (mg/kg)	SWMUB71-P8 1.0-2.0 03/29/2007 Normal (mg/kg)
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}								
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	NT	0.0066 U	0.00617 U	NT	NT	0.00604 U	0.00593 U
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	NT	0.0106 U	0.00993 U	NT	NT	0.00971 U	0.00954 U
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	NT	0.0081 U	0.00758 U	NT	NT	0.00741 U	0.00728 U
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	NT	0.0352 U	0.0329 U	NT	NT	0.0322 U	0.0316 U
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	NT	0.0772 U	0.0722 U	NT	NT	0.0706 U	0.0694 U
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	NT	0.027 U	0.0252 M	NT	NT	0.0247 U	0.0242 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	NT	0.0382 U	0.0357 U	NT	NT	0.0349 U	0.0343 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	NT	0.00809 U	0.00757 U	NT	NT	0.0074 U	0.00727 U
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	NT	0.0343 U	0.0321 U	NT	NT	0.0314 U	0.0309 U
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	NT	0.0352 U	0.0329 U	NT	NT	0.0322 U	0.0316 U
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	NT	0.0101 U	0.00945 U	NT	NT	0.00925 U	0.00908 U
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	NT	0.0238 U	0.0223 U	NT	NT	0.0218 U	0.0214 U
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	NT	0.0107 U	0.01 U	NT	NT	0.0098 U	0.00963 U
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	NT	0.0136 U	0.0127 U	NT	NT	0.0125 U	0.0122 U
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	NT	0.0137 U	0.0128 U	NT	NT	0.0125 U	0.0123 U
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	NT	0.0795 U	0.0743 U	NT	NT	0.0727 U	0.0714 U
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	NT	0.00935 U	0.00875 U	NT	NT	0.00856 U	0.0084 U
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	NT	0.0177 U	0.0166 U	NT	NT	0.0162 U	0.0159 U
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	NT	0.0175 U	0.0163 U	NT	NT	0.016 U	0.0157 U
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	NT	0.0141 U	0.0132 U	NT	NT	0.0129 U	0.0126 U
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	NT	0.0579 U	0.0542 U	NT	NT	0.053 U	0.052 U
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	NT	0.0548 U	0.0512 U	NT	NT	0.0501 U	0.0492 U
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	NT	0.0117 U	0.011 U	NT	NT	0.0107 U	0.0105 U
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	NT	0.0101 U	0.00945 U	NT	NT	0.00925 U	0.00908 U
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	NT	0.0102 U	0.00956 U	NT	NT	0.00935 U	0.00918 U
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	NT	0.00704 U	0.00658 U	NT	NT	0.00644 U	0.00632 U
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	NT	0.00829 U	0.00775 U	NT	NT	0.00758 U	0.00745 U
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	NT	0.0111 U	0.0104 U	NT	NT	0.0102 U	0.01 U
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	NT	0.00895 U	0.00838 U	NT	NT	0.00819 U	0.00805 U
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	NT	0.0379 U	0.0354 U	NT	NT	0.0347 U	0.034 U
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	NT	0.219 U	0.204 M	NT	NT	0.2 U	0.196 M
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	NT	0.0103 U	0.00961 U	NT	NT	0.0094 U	0.00923 U
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	NT	0.00728 U	0.00681 U	NT	NT	0.00666 U	0.00654 U
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	NT	0.0509 U	0.0477 U	NT	NT	0.0466 U	0.0458 U
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	NT	0.0461 U	0.0431 U	NT	NT	0.0422 U	0.0414 U
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	NT	0.0223 U	0.0208 U	NT	NT	0.0204 U	0.02 U
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	NT	0.0108 U	0.0101 U	NT	NT	0.00987 U	0.00969 U
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	NT	0.0149 U	0.0139 U	NT	NT	0.0136 U	0.0134 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-P6	SWMUB71-P7	SWMUB71-P7	SWMUB71-P7	SWMUB71-P7	SWMUB71-P8	SWMUB71-P8
		Tier 1 PCL ³ 30-Acre Source	Tier 1 PCL ³ 30-Acre Source	Tier 2 PCL ³ 30-Acre Source		6.0 01/16/2009 Normal	0.0-0.5 03/31/2007 Normal	1.0-2.0 03/29/2007 Normal	5.0 01/16/2009 Normal	6.0 01/16/2009 Normal	0.0-0.5 03/31/2007 Normal	1.0-2.0 03/29/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	NT	0.0437 U	0.0409 U	NT	NT	0.04 U	0.0393 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	NT	0.00602 U	0.00563 U	NT	NT	0.00551 U	0.00541 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	NT	0.0142 J	0.0164 J	NT	NT	0.00704 U	0.00691 U
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	NT	0.0278 U	0.026 U	NT	NT	0.0255 U	0.025 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	NT	0.00942 U	0.00881 U	NT	NT	0.00862 U	0.00847 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	NT	0.00982 U	0.00919 U	NT	NT	0.00899 U	0.00882 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	NT	0.0125 U	0.0117 U	NT	NT	0.0114 U	0.0112 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	NT	0.00788 U	0.00737 U	NT	NT	0.00721 U	0.00708 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	NT	0.0136 U	0.0128 U	NT	NT	0.0125 U	0.0123 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	NT	0.0457 U	0.0427 U	NT	NT	0.0418 U	0.0411 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	NT	0.0346 U	0.0324 U	NT	NT	0.0317 U	0.0311 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	NT	0.0624 U	0.0584 U	NT	NT	0.0571 U	0.0561 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	NT	0.0324 U	0.0303 U	NT	NT	0.0296 U	0.0291 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	NT	0.00653 U	0.00611 U	NT	NT	0.00597 U	0.00587 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	NT	0.0375 U	0.035 U	NT	NT	0.0343 U	0.0337 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	NT	0.0482 U	0.0451 U	NT	NT	0.0441 U	0.0434 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	NT	0.0106 U	0.00993 U	NT	NT	0.00971 U	0.00954 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	NT	0.0155 U	0.0145 U	NT	NT	0.0142 U	0.0139 U
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	NT	0.0416 U	0.0389 U	NT	NT	0.038 U	0.0374 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	NT	0.00732 U	0.00685 U	NT	NT	0.0067 U	0.00658 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	NT	0.00971 U	0.00908 U	NT	NT	0.00888 U	0.00872 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	NT	0.0219 U	0.0204 U	NT	NT	0.02 U	0.0196 U
VOCs												
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	NT	0.000176 U	0.000244 U	NT	NT	0.000178 U	0.000141 R
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	NT	0.000123 U	0.000171 U	NT	NT	0.000125 U	0.000098 R
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	NT	0.00018 U	0.00025 U	NT	NT	0.000182 U	0.000144 R
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	NT	0.000114 U	0.000158 U	NT	NT	0.000116 U	0.000091 R
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	NT	0.000159 U	0.000221 U	NT	NT	0.000161 U	0.000127 R
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	NT	0.00036 U	0.000498 U	NT	NT	0.000364 U	0.000287 M
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	NT	0.00013 U	0.00018 U	NT	NT	0.000132 U	0.000104 R
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	NT	0.000237 U	0.000329 U	NT	NT	0.00024 U	0.000189 R
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	NT	0.000245 U	0.00034 U	NT	NT	0.000248 U	0.000196 R
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	NT	0.000328 U	0.000454 U	NT	NT	0.000331 U	0.000261 R
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	NT	0.000198 U	0.000275 U	NT	NT	0.000201 U	0.000158 R
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	NT	0.000868 U	0.0012 U	NT	NT	0.000878 R	0.000692 R
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	NT	0.00015 U	0.000208 U	NT	NT	0.000152 U	0.00012 R
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	NT	0.000114 U	0.000158 U	NT	NT	0.000116 U	0.000091 R
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	NT	0.000114 U	0.000158 U	NT	NT	0.000116 U	0.000091 R

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-P6	SWMUB71-P7	SWMUB71-P7	SWMUB71-P7	SWMUB71-P7	SWMUB71-P8	SWMUB71-P8
		Tier 1 PCL ³ 30-Acre Source	Tier 1 PCL ³ 30-Acre Source	Tier 2 PCL ³ 30-Acre Source		6.0 01/16/2009 Normal	0.0-0.5 03/31/2007 Normal	1.0-2.0 03/29/2007 Normal	5.0 01/16/2009 Normal	6.0 01/16/2009 Normal	0.0-0.5 03/31/2007 Normal	1.0-2.0 03/29/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	NT	0.000112 U	0.000155 U	NT	NT	0.000114 U	0.00009 R
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	NT	0.000163 U	0.000226 U	NT	NT	0.000165 U	0.00013 R
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	NT	0.000236 U	0.000327 U	NT	NT	0.000239 U	0.000189 R
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	NT	0.000136 U	0.000189 U	NT	NT	0.000138 U	0.000109 R
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	NT	0.000422 U	0.000584 U	NT	NT	0.000427 U	0.000337 R
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	NT	0.000121 U	0.000168 U	NT	NT	0.000123 U	0.000097 R
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	NT	0.000176 U	0.000244 R	NT	NT	0.000178 U	0.000141 R
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	NT	0.00015 U	0.000208 U	NT	NT	0.000152 U	0.00012 R
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	NT	0.000326 U	0.000451 U	NT	NT	0.000329 U	0.00026 R
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.0112 U	0.00828	0.0213 J	0.0027 J	0.0118 U	0.00741	0.000083 R
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	NT	0.000235 U	0.000326 U	NT	NT	0.000238 U	0.000188 R
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	NT	0.000258 U	0.000358 R	NT	NT	0.000262 U	0.000206 R
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	NT	0.000135 U	0.000187 U	NT	NT	0.000137 U	0.000108 R
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	NT	0.000169 U	0.000234 U	NT	NT	0.000171 U	0.000135 R
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	NT	0.00012 U	0.000166 U	NT	NT	0.000122 U	0.000096 R
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	NT	0.000165 U	0.000229 U	NT	NT	0.000167 U	0.000132 R
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	NT	0.000607 U	0.000841 R	NT	NT	0.000614 R	0.000485 M
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	NT	0.000141 U	0.000196 U	NT	NT	0.000143 U	0.000113 R
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	NT	0.000126 U	0.000175 U	NT	NT	0.000128 U	0.000101 R
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	NT	0.000115 U	0.00016 U	NT	NT	0.000117 U	0.000092 R
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	NT	0.00009 U	0.000125 U	NT	NT	0.000091 U	0.000072 R
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	NT	0.000156 U	0.000216 U	NT	NT	0.000158 U	0.000125 R
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	NT	0.000365 R	0.000505 U	NT	NT	0.000369 R	0.000291 R
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	NT	0.000207 U	0.000287 U	NT	NT	0.00021 U	0.000166 R
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	NT	0.00125 U	0.00173 U	NT	NT	0.00126 R	0.000995 R
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	NT	0.000153 U	0.000212 U	NT	NT	0.000155 U	0.000122 R
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	NT	0.000399 U	0.000552 U	NT	NT	0.000403 U	0.000318 R
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	NT	0.00151 R	0.00209 U	NT	NT	0.00153 U	0.0012 R
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	NT	0.000465 R	0.000644 U	NT	NT	0.00047 R	0.000371 R
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	NT	0.00048 U	0.000665 U	NT	NT	0.000486 U	0.000383 R
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	NT	0.000377 U	0.000522 U	NT	NT	0.000381 U	0.000301 R
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	NT	0.000178 U	0.000247 U	NT	NT	0.00018 U	0.000142 R
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	NT	0.00014 U	0.000194 U	NT	NT	0.000142 U	0.000112 R
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	NT	0.000174 U	0.000241 U	NT	NT	0.000176 U	0.000139 R
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	NT	0.000161 U	0.000223 U	NT	NT	0.000163 U	0.000129 R
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	NT	0.000117 U	0.000162 U	NT	NT	0.000119 U	0.000094 R
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	NT	0.000152 U	0.000211 U	NT	NT	0.000154 U	0.000122 R
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	NT	0.000252 U	0.00035 U	NT	NT	0.000255 U	0.000201 R

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value¹ (mg/kg)	TRRP Residential Tier 1 PCL³ 30-Acre Source <small>^{Tot}Soil_{Comb}</small>	TRRP Residential Tier 1 PCL³ 30-Acre Source <small>^{GW}Soil_{Ing}</small>	TRRP Residential Tier 2 PCL³ 30-Acre Source <small>^{GW}Soil_{Ing}</small>	Critical PCL⁴ (mg/kg)	SWMUB71-P6 6.0 01/16/2009 Normal (mg/kg)	SWMUB71-P7 0.0-0.5 03/31/2007 Normal (mg/kg)	SWMUB71-P7 1.0-2.0 03/29/2007 Normal (mg/kg)	SWMUB71-P7 5.0 01/16/2009 Normal (mg/kg)	SWMUB71-P7 6.0 01/16/2009 Normal (mg/kg)	SWMUB71-P8 0.0-0.5 03/31/2007 Normal (mg/kg)	SWMUB71-P8 1.0-2.0 03/29/2007 Normal (mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	NT	0.000192 U	0.000266 U	NT	NT	0.000195 U	0.000154 R
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	NT	0.00554	0.0144 J	NT	NT	0.00513	0.00044 R
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	NT	0.000164 U	0.000228 U	NT	NT	0.000166 U	0.000131 R
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	NT	0.000141 U	0.000196 U	NT	NT	0.000143 U	0.000113 R
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	NT	0.000177 U	0.000246 U	NT	NT	0.000179 U	0.000142 R
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	NT	0.000252 U	0.00035 R	NT	NT	0.000255 U	0.000201 M
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	NT	0.000352 U	0.000487 U	NT	NT	0.000356 U	0.000281 R

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-P9 0.0-0.5 03/31/2007 Normal	SWMUB71-P9 0.0-0.5 03/31/2007 Duplicate	(EXCAVATED) SWMUB71-P10 0.5-1.0 03/31/2007 Normal	(EXCAVATED) SWMUB71-P10 0.0-0.5 06/15/2007 Normal	SWMUB71-P10 0.6-1.0 01/08/2009 Normal	SWMUB71-P10 1.0-1.25 02/10/2011 Normal	SWMUB71-P11 0.0-0.5 06/15/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Explosives												
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0511 U	0.0558 U	0.0579 U	NT	NT	NT	NT
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0297 U	0.0324 U	0.0336 U	NT	NT	NT	NT
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.0878 U	0.0958 U	0.0994 U	NT	NT	NT	NT
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0549 U	0.0599 U	0.0622 U	NT	NT	NT	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.1 U	0.109 U	0.114 U	NT	NT	NT	NT
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0299 U	0.0326 U	0.0339 U	NT	NT	NT	NT
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.1 U	0.109 U	0.113 U	NT	NT	NT	NT
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0607 U	0.0662 U	0.0687 U	NT	NT	NT	NT
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0434 U	0.0474 U	0.0492 U	NT	NT	NT	NT
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0297 U	0.0324 U	0.0336 U	NT	NT	NT	NT
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0461 U	0.0503 U	0.0522 U	NT	NT	NT	NT
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.135 R	0.147 R	0.153 R	NT	NT	NT	NT
Metals												
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	1.6 B	1.3 B	1.34 B	0.36 U	NT	NT	0.9 U
Barium	300 ²	7.8E+03	2.2E+02	---	300	61.2 M	55.7 M	84.1 M	84.8	NT	NT	51.5
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.033 U	0.036 U	0.52	0.073 J	NT	NT	1.04 J
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	13.5	13.8	18.7	16.1 J	NT	NT	2.35 J
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	23.9 J	9.97 J	71.1	41.1 J	NT	6.36	7.61 J
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	83.4 J	13.8 J	379 J	31.1	23.3	NT	12.1
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.024	0.01 B	0.045	0.024	NT	NT	0.2
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	10.3	10.2	14.2	14.3	NT	NT	4.54 B
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	77 J	33.5 J	3140 J	50.1 J	NT	21.9	17.3 J
PCBs												
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT	NT
SVOCs												
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.0368 U	0.0398 U	0.0434 U	NT	NT	NT	NT
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.0625 U	0.0675 U	0.0736 U	NT	NT	NT	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.0651 U	0.0703 U	0.0768 U	NT	NT	NT	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.0592 U	0.0639 U	0.0698 U	NT	NT	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-P9 0.0-0.5 03/31/2007 Normal (mg/kg)	SWMUB71-P9 0.0-0.5 03/31/2007 Duplicate (mg/kg)	(EXCAVATED) SWMUB71-P10 0.5-1.0 03/31/2007 Normal (mg/kg)	(EXCAVATED) SWMUB71-P10 0.0-0.5 06/15/2007 Normal (mg/kg)	SWMUB71-P10 0.6-1.0 01/08/2009 Normal (mg/kg)	SWMUB71-P10 1.0-1.25 02/10/2011 Normal (mg/kg)	SWMUB71-P11 0.0-0.5 06/15/2007 Normal (mg/kg)
		T ^{ot} Soil _{Comb}	G ^W Soil _{Ing}	G ^W Soil _{Ing}		SWMUB71-P9 0.0-0.5 03/31/2007 Normal (mg/kg)	SWMUB71-P9 0.0-0.5 03/31/2007 Duplicate (mg/kg)	(EXCAVATED) SWMUB71-P10 0.5-1.0 03/31/2007 Normal (mg/kg)	(EXCAVATED) SWMUB71-P10 0.0-0.5 06/15/2007 Normal (mg/kg)	SWMUB71-P10 0.6-1.0 01/08/2009 Normal (mg/kg)	SWMUB71-P10 1.0-1.25 02/10/2011 Normal (mg/kg)	SWMUB71-P11 0.0-0.5 06/15/2007 Normal (mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.00587 U	0.00634 U	0.00692 U	NT	NT	NT	NT
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.00944 U	0.0102 U	0.0111 U	NT	NT	NT	NT
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.00721 U	0.00778 U	0.00849 U	NT	NT	NT	NT
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0313 U	0.0338 U	0.0369 U	NT	NT	NT	NT
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.0687 U	0.0742 U	0.0809 U	NT	NT	NT	NT
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.024 U	0.0259 U	0.0283 U	NT	NT	NT	NT
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0339 U	0.0367 U	0.04 U	NT	NT	NT	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.00719 U	0.00777 U	0.00848 U	NT	NT	NT	NT
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.0305 U	0.033 U	0.036 U	NT	NT	NT	NT
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0313 U	0.0338 U	0.0369 U	NT	NT	NT	NT
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.00899 U	0.00971 U	0.0106 U	NT	NT	NT	NT
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.0212 U	0.0229 U	0.025 U	NT	NT	NT	NT
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.00953 U	0.0103 U	0.0112 U	NT	NT	NT	NT
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0121 U	0.0131 U	0.0143 U	NT	NT	NT	NT
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.0122 U	0.0132 U	0.0144 U	NT	NT	NT	NT
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.0707 U	0.0763 U	0.0833 U	NT	NT	NT	NT
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.00832 U	0.00898 U	0.0098 U	NT	NT	NT	NT
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.0158 U	0.017 U	0.0186 U	NT	NT	NT	NT
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0155 U	0.0168 U	0.0183 U	NT	NT	NT	NT
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.0125 U	0.0135 U	0.0148 U	NT	NT	NT	NT
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.0515 U	0.0556 U	0.0607 U	NT	NT	NT	NT
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.0487 U	0.0526 U	0.0574 U	NT	NT	NT	NT
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.0104 U	0.0113 U	0.0123 U	NT	NT	NT	NT
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.00899 U	0.00971 U	0.0106 U	NT	NT	NT	NT
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.00909 U	0.00982 U	0.0107 U	NT	NT	NT	NT
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.00626 U	0.00676 U	0.00738 U	NT	NT	NT	NT
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00737 U	0.00796 U	0.00869 U	NT	NT	NT	NT
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.00991 U	0.0107 U	0.0117 U	NT	NT	NT	NT
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.00796 U	0.0086 U	0.04 J	NT	NT	NT	NT
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0337 U	0.0364 U	0.0397 U	NT	NT	NT	NT
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.194 U	0.21 U	0.229 U	NT	NT	NT	NT
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.00914 U	0.00987 U	0.0108 U	NT	NT	NT	NT
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.00647 U	0.00699 U	0.00763 U	NT	NT	NT	NT
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.0453 U	0.0489 U	0.0534 U	NT	NT	NT	NT
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.041 U	0.0443 U	0.0484 U	NT	NT	NT	NT
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0198 U	0.0214 U	0.0234 U	NT	NT	NT	NT
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.00959 U	0.0104 U	0.0113 U	NT	NT	NT	NT
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.0133 U	0.0143 U	0.0156 U	NT	NT	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-P9 0.0-0.5 03/31/2007 Normal	SWMUB71-P9 0.0-0.5 03/31/2007 Duplicate	(EXCAVATED) SWMUB71-P10 0.5-1.0 03/31/2007 Normal	(EXCAVATED) SWMUB71-P10 0.0-0.5 06/15/2007 Normal	SWMUB71-P10 0.6-1.0 01/08/2009 Normal	SWMUB71-P10 1.0-1.25 02/10/2011 Normal	SWMUB71-P11 0.0-0.5 06/15/2007 Normal
		^{Soil_{Comb}}	^{Soil_{Ing}}	^{Soil_{Ing}}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.0389 U	0.042 U	0.0458 U	NT	NT	NT	NT
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.00535 U	0.00578 U	0.00631 U	NT	NT	NT	NT
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.00684 U	0.00739 U	0.0401 J	NT	NT	NT	NT
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.0247 U	0.0267 U	0.0292 U	NT	NT	NT	NT
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.00838 U	0.00905 U	0.00988 U	NT	NT	NT	NT
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.00873 U	0.00943 U	0.0103 U	NT	NT	NT	NT
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.0111 U	0.012 U	0.0131 U	NT	NT	NT	NT
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.007 U	0.00757 U	0.00826 U	NT	NT	NT	NT
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0121 U	0.0131 U	0.0143 U	NT	NT	NT	NT
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0406 U	0.0439 U	0.0479 U	NT	NT	NT	NT
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.0308 U	0.0333 U	0.0363 U	NT	NT	NT	NT
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.0555 U	0.06 U	0.0655 U	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0288 U	0.0311 U	0.0339 U	NT	NT	NT	NT
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.0058 U	0.00627 U	0.00684 U	NT	NT	NT	NT
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0333 U	0.036 U	0.0393 U	NT	NT	NT	NT
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0429 U	0.0463 U	0.0506 U	NT	NT	NT	NT
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.00944 U	0.0102 U	0.0111 U	NT	NT	NT	NT
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.0138 U	0.0149 U	0.0654 J	NT	NT	NT	NT
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.037 U	0.0399 U	0.0436 U	NT	NT	NT	NT
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00651 U	0.00703 U	0.00768 U	NT	NT	NT	NT
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.00863 U	0.00932 U	0.0102 U	NT	NT	NT	NT
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0194 U	0.021 U	0.0229 U	NT	NT	NT	NT
VOCs												
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000156 U	0.000183 U	0.000199 U	NT	NT	NT	NT
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.000109 U	0.000128 U	0.000139 U	NT	NT	NT	NT
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.00016 U	0.000187 U	0.000204 U	NT	NT	NT	NT
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.000101 U	0.000119 U	0.000129 U	NT	NT	NT	NT
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000141 U	0.000165 U	0.00018 U	NT	NT	NT	NT
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000318 U	0.000373 U	0.000406 U	NT	NT	NT	NT
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.000115 U	0.000135 U	0.000147 U	NT	NT	NT	NT
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.00021 U	0.000247 U	0.000268 U	NT	NT	NT	NT
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000217 U	0.000255 U	0.000277 U	NT	NT	NT	NT
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.00029 U	0.00034 U	0.00037 U	NT	NT	NT	NT
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	0.000176 U	0.000206 U	0.000224 U	NT	NT	NT	NT
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.000768 U	0.000901 U	0.00098 U	NT	NT	NT	NT
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000133 U	0.000156 U	0.00017 U	NT	NT	NT	NT
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000101 U	0.000119 U	0.000129 U	NT	NT	NT	NT
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000101 U	0.000119 U	0.000129 U	NT	NT	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-P9 0.0-0.5 03/31/2007 Normal (mg/kg)	SWMUB71-P9 0.0-0.5 03/31/2007 Duplicate (mg/kg)	(EXCAVATED) SWMUB71-P10 0.5-1.0 03/31/2007 Normal (mg/kg)	(EXCAVATED) SWMUB71-P10 0.0-0.5 06/15/2007 Normal (mg/kg)	SWMUB71-P10 0.6-1.0 01/08/2009 Normal (mg/kg)	SWMUB71-P10 1.0-1.25 02/10/2011 Normal (mg/kg)	SWMUB71-P11 0.0-0.5 06/15/2007 Normal (mg/kg)
		T ^{ot} Soil _{Comb}	G ^W Soil _{Ing}	G ^W Soil _{Ing}								
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.00099 U	0.00017 U	0.000127 U	NT	NT	NT	NT
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.000145 U	0.00017 U	0.000184 U	NT	NT	NT	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.000209 U	0.000245 U	0.000267 U	NT	NT	NT	NT
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000121 U	0.000141 U	0.000154 U	NT	NT	NT	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.000373 U	0.000438 U	0.000476 U	NT	NT	NT	NT
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.000107 U	0.000126 U	0.000137 U	NT	NT	NT	NT
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000156 U	0.000183 U	0.000199 U	NT	NT	NT	NT
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000133 U	0.000156 U	0.00017 U	NT	NT	NT	NT
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000288 U	0.000338 U	0.000368 U	NT	NT	NT	NT
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.00977	0.0124	0.00763 J	NT	NT	NT	NT
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000208 U	0.000244 U	0.000266 U	NT	NT	NT	NT
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000229 U	0.000268 U	0.000292 U	NT	NT	NT	NT
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.00012 U	0.00014 U	0.000153 U	NT	NT	NT	NT
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.00015 U	0.000176 U	0.000191 U	NT	NT	NT	NT
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000106 U	0.000125 U	0.000136 U	NT	NT	NT	NT
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000146 U	0.000172 U	0.000187 U	NT	NT	NT	NT
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.000537 U	0.00063 U	0.000686 U	NT	NT	NT	NT
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.000125 U	0.000147 U	0.00016 U	NT	NT	NT	NT
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000112 U	0.000131 U	0.000143 U	NT	NT	NT	NT
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000102 U	0.00012 U	0.00013 U	NT	NT	NT	NT
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.00008 U	0.000094 U	0.000102 U	NT	NT	NT	NT
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.000138 U	0.000162 U	0.000177 U	NT	NT	NT	NT
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.000323 R	0.000379 R	0.000412 R	NT	NT	NT	NT
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.000184 U	0.000215 U	0.000234 U	NT	NT	NT	NT
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0011 U	0.0013 U	0.00141 U	NT	NT	NT	NT
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000136 U	0.000159 U	0.000173 U	NT	NT	NT	NT
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.000353 U	0.000414 U	0.00045 U	NT	NT	NT	NT
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.00133 R	0.00157 R	0.0017 R	NT	NT	NT	NT
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.000411 R	0.000483 R	0.000525 R	NT	NT	NT	NT
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000425 U	0.000498 U	0.000542 U	NT	NT	NT	NT
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.000333 U	0.000391 U	0.000425 U	NT	NT	NT	NT
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.000158 U	0.000185 U	0.000201 U	NT	NT	NT	NT
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000124 U	0.000146 U	0.000158 U	NT	NT	NT	NT
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.000154 U	0.000181 U	0.000197 U	NT	NT	NT	NT
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.000143 U	0.000167 U	0.000182 U	NT	NT	NT	NT
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000104 U	0.000122 U	0.000132 U	NT	NT	NT	NT
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.000135 U	0.000158 U	0.000172 U	NT	NT	NT	NT
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000223 U	0.000262 U	0.000285 U	NT	NT	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-P9 0.0-0.5 03/31/2007 Normal	SWMUB71-P9 0.0-0.5 03/31/2007 Duplicate	(EXCAVATED) SWMUB71-P10 0.5-1.0 03/31/2007 Normal	(EXCAVATED) SWMUB71-P10 0.0-0.5 06/15/2007 Normal	SWMUB71-P10 0.6-1.0 01/08/2009 Normal	SWMUB71-P10 1.0-1.25 02/10/2011 Normal	SWMUB71-P11 0.0-0.5 06/15/2007 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.00017 U	0.0002 U	0.000217 U	NT	NT	NT	NT
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.00772	0.00881	0.000622 U	NT	NT	NT	NT
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000145 U	0.000171 U	0.000186 U	NT	NT	NT	NT
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.000125 U	0.000147 U	0.00016 U	NT	NT	NT	NT
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.000157 U	0.000184 U	0.0002 U	NT	NT	NT	NT
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.000223 U	0.000262 U	0.000285 U	NT	NT	NT	NT
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000311 U	0.000365 U	0.000397 U	NT	NT	NT	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-P12 0.0-0.5 06/18/2007 Normal (mg/kg)	SWMUB71-SW1 6.5 11/20/2008 Normal (mg/kg)	SWMUB71-SW1 6.5 11/20/2008 Duplicate (mg/kg)	SWMUB71-SW1 6.5 12/12/2008 Normal (mg/kg)	SWMUB71-SW1 1.0-1.25 02/10/2011 Normal (mg/kg)	SWMUB71-SW2 6.0 11/20/2008 Normal (mg/kg)
		Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{ing}	Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{ing}		06/18/2007 Normal (mg/kg)	11/20/2008 Normal (mg/kg)	11/20/2008 Duplicate (mg/kg)	12/12/2008 Normal (mg/kg)	02/10/2011 Normal (mg/kg)	11/20/2008 Normal (mg/kg)
Explosives											
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	NT	0.0477 U	0.0479 U	0.0618 U	NT	0.0507 U
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	NT	0.0277 U	0.0278 U	0.0359 U	NT	0.0294 U
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	NT	0.0819 R	0.0823 R	0.106 U	NT	0.0871 R
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	NT	0.0512 U	0.0514 U	0.0663 U	NT	0.0544 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	NT	0.0936 U	0.0941 U	0.121 U	NT	0.0995 U
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	NT	0.0279 U	0.028 U	0.0362 U	NT	0.0297 U
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	NT	0.0933 U	0.0937 U	0.121 U	NT	0.0992 U
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	NT	0.0566 U	0.0569 U	0.0733 U	NT	0.0602 U
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	NT	0.0405 U	0.0407 U	0.0525 U	NT	0.0431 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	NT	0.0277 U	0.0278 U	0.0359 U	NT	0.0294 U
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	NT	0.043 U	0.0432 U	0.0557 U	NT	0.0457 U
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	NT	0.126 R	0.127 R	0.163 U	NT	0.134 R
Metals											
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	0.21 U	1.43 U	1.42 U	3.64 B	NT	0.3 U
Barium	300 ²	7.8E+03	2.2E+02	---	300	100	96.2 J	96.1 J	101	NT	114 J
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.041 J	0.062 U	0.062 U	0.08 U	NT	0.013 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	16.5 J	22.1 M	22.5 M	23.4	NT	24.5 M
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	13.7 J	40.4 M	18.4 M	230	14.8	12 M
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	25.4	135 J	67.1 J	136	51.3	14.9 J
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.017	0.032 J	0.087 J	0.066	NT	0.024
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	16.2	16.7 J	15.2 J	29.9	NT	16.9 J
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	34.1 J	38.2 M	36.4 M	232	42.9	34.8 M
PCBs											
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
SVOCs											
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	NT	0.187 U	0.188 U	0.243 U	NT	0.197 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	NT	0.187 U	0.188 U	0.243 U	NT	0.197 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	NT	0.187 U	0.188 U	0.243 U	NT	0.197 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	NT	0.187 U	0.188 U	0.243 U	NT	0.197 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-P12	SWMUB71-SW1	SWMUB71-SW1	SWMUB71-SW1	SWMUB71-SW1	SWMUB71-SW2
		Tier 1 PCL ³ 30-Acre Source <small>T^{tot}Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>		0.0-0.5 06/18/2007 Normal (mg/kg)	6.5 11/20/2008 Normal (mg/kg)	6.5 11/20/2008 Duplicate (mg/kg)	6.5 12/12/2008 Normal (mg/kg)	1.0-1.25 02/10/2011 Normal (mg/kg)	6.0 11/20/2008 Normal (mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	NT	0.00686 U	0.00692 U	0.00895 U	NT	0.00725 U
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	NT	0.00642 U	0.00647 U	0.00837 U	NT	0.00678 U
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	NT	0.00901 U	0.00908 U	0.0118 U	NT	0.00951 U
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	NT	0.0107 U	0.0107 U	0.0139 U	NT	0.0113 U
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	NT	0.0892 U	0.0899 U	0.116 U	NT	0.0942 U
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	NT	0.126 U	0.127 U	0.165 U	NT	0.133 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	NT	0.041 U	0.0414 U	0.0535 U	NT	0.0433 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	NT	0.0396 U	0.0399 U	0.0516 U	NT	0.0418 U
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	NT	0.00914 U	0.00922 U	0.0119 U	NT	0.00966 U
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	NT	0.0154 U	0.0155 U	0.0201 U	NT	0.0163 U
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	NT	0.0125 U	0.0126 U	0.0163 U	NT	0.0132 U
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	NT	0.0158 U	0.0159 U	0.0206 U	NT	0.0166 U
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	NT	0.00897 M	0.00905 M	0.0117 U	NT	0.00948 U
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	NT	0.0121 U	0.0122 U	0.0157 U	NT	0.0127 U
3 & 4-Methylphenol (m, & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	NT	0.0123 U	0.0124 U	0.016 U	NT	0.013 U
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	NT	0.117 M	0.118 M	0.153 U	NT	0.124 U
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	NT	0.0441 M	0.0445 M	0.0576 U	NT	0.0466 U
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	NT	0.116 U	0.117 U	0.152 U	NT	0.123 U
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	NT	0.0129 U	0.013 U	0.0168 U	NT	0.0136 U
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	NT	0.00958 U	0.00966 U	0.0125 U	NT	0.0101 U
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	NT	0.00805 M	0.00811 M	0.0105 U	NT	0.0085 U
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	NT	0.0061 M	0.00615 M	0.00796 U	NT	0.00645 U
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	NT	0.0417 U	0.042 U	0.0544 U	NT	0.044 U
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	NT	0.0116 U	0.0117 U	0.0152 U	NT	0.0123 U
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	NT	0.0108 U	0.0109 U	0.0141 U	NT	0.0114 U
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	NT	0.00474 U	0.00478 U	0.00618 U	NT	0.005 U
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	NT	0.00547 U	0.00551 U	0.00713 U	NT	0.00577 U
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	NT	0.0263 U	0.0265 U	0.0343 U	NT	0.0277 U
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	NT	0.025 U	0.0252 U	0.0327 U	NT	0.0264 U
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	NT	0.033 U	0.0332 U	0.043 U	NT	0.0348 U
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	NT	0.024 M	0.0242 M	0.0313 U	NT	0.0254 U
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	NT	0.0105 U	0.0106 U	0.0137 U	NT	0.0111 U
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	NT	0.0104 U	0.0105 U	0.0135 U	NT	0.011 U
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	NT	0.161 U	0.162 U	0.21 U	NT	0.17 U
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	NT	0.0824 U	0.083 U	0.107 U	NT	0.087 U
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	NT	0.0257 U	0.0329 J	0.0335 U	NT	0.0271 U
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	NT	0.0152 U	0.0153 U	0.0198 U	NT	0.0161 U
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	NT	0.00946 U	0.00953 U	0.0123 U	NT	0.00999 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-P12	SWMUB71-SW1	SWMUB71-SW1	SWMUB71-SW1	SWMUB71-SW1	SWMUB71-SW2
		Tier 1 PCL ³ 30-Acre Source <small>T^{ot}Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>		0.0-0.5 06/18/2007 Normal (mg/kg)	6.5 11/20/2008 Normal (mg/kg)	6.5 11/20/2008 Duplicate (mg/kg)	6.5 12/12/2008 Normal (mg/kg)	1.0-1.25 02/10/2011 Normal (mg/kg)	6.0 11/20/2008 Normal (mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	NT	0.0209 U	0.0211 U	0.0273 U	NT	0.0221 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	NT	0.0101 U	0.0102 U	0.0132 U	NT	0.0107 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	NT	0.136 U	0.137 U	0.178 U	NT	0.144 U
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	NT	0.00973 U	0.00981 U	0.0127 U	NT	0.0103 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	NT	0.0146 U	0.0148 U	0.0191 U	NT	0.0155 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	NT	0.0265 U	0.0267 U	0.0346 U	NT	0.028 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	NT	0.0064 U	0.00646 U	0.00835 U	NT	0.00676 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	NT	0.00991 U	0.00999 U	0.0129 U	NT	0.0105 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	NT	0.0117 U	0.0118 U	0.0153 U	NT	0.0124 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	NT	0.0762 U	0.0768 U	0.0994 U	NT	0.0805 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	NT	0.0633 U	0.0638 U	0.0825 U	NT	0.0668 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	NT	0.187 U	0.188 U	0.243 U	NT	0.197 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	NT	0.0564 U	0.0569 U	0.0736 U	NT	0.0596 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	NT	0.0108 U	0.0109 U	0.0141 U	NT	0.0114 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	NT	0.0924 U	0.0932 U	0.121 U	NT	0.0976 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	NT	0.0808 U	0.0815 U	0.105 U	NT	0.0853 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	NT	0.015 U	0.0151 U	0.0195 U	NT	0.0158 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	NT	0.314	0.0911 U	1.56	NT	0.0087 U
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	NT	0.0226 U	0.0228 U	0.0294 U	NT	0.0238 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	NT	0.00872 U	0.00879 U	0.0114 U	NT	0.00921 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	NT	0.0101 U	0.0101 U	0.0131 U	NT	0.0106 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	NT	0.0107 U	0.0108 U	0.014 U	NT	0.0113 U
VOCs											
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	NT	0.000307 U	0.000268 U	0.000349 U	NT	0.000263 U
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	NT	0.000175 U	0.000153 U	0.0002 U	NT	0.00015 U
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	NT	0.000343 U	0.0003 U	0.000391 U	NT	0.000294 U
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	NT	0.000443 U	0.000387 U	0.000505 U	NT	0.00038 U
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	NT	0.000239 U	0.000209 U	0.000272 U	NT	0.000205 U
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	NT	0.000307 U	0.000268 U	0.00035 U	NT	0.000263 U
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	NT	0.000355 U	0.00031 U	0.000404 U	NT	0.000304 U
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	NT	0.00124 M	0.00109 M	0.00142 U	NT	0.00107 U
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	NT	0.000356 U	0.000311 U	0.000405 U	NT	0.000305 U
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	NT	0.000939 M	0.00082 M	0.00107 U	NT	0.000804 U
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	NT	0.000216 U	0.000189 U	0.000246 U	NT	0.000185 U
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	NT	0.00122 U	0.00107 U	0.00139 U	NT	0.00105 U
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	NT	0.000355 U	0.00031 U	0.000405 U	NT	0.000304 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	NT	0.000368 U	0.000321 U	0.000419 U	NT	0.000315 U
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	NT	0.000344 U	0.0003 U	0.000392 U	NT	0.000295 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-P12	SWMUB71-SW1	SWMUB71-SW1	SWMUB71-SW1	SWMUB71-SW1	SWMUB71-SW2
		Tier 1 PCL ³ 30-Acre Source <small>T^{tot}Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>		0.0-0.5 06/18/2007 Normal (mg/kg)	6.5 11/20/2008 Normal (mg/kg)	6.5 11/20/2008 Duplicate (mg/kg)	6.5 12/12/2008 Normal (mg/kg)	1.0-1.25 02/10/2011 Normal (mg/kg)	6.0 11/20/2008 Normal (mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	NT	0.000392 U	0.000343 U	0.000447 U	NT	0.000336 U
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	NT	0.000288 U	0.000252 U	0.000328 U	NT	0.000247 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	NT	0.00035 U	0.000306 U	0.000399 U	NT	0.0003 U
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	NT	0.000229 U	0.0002 U	0.00026 U	NT	0.000196 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	NT	0.000502 U	0.000438 U	0.000571 U	NT	0.00043 U
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	NT	0.000386 U	0.000338 U	0.00044 U	NT	0.000331 U
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	NT	0.000447 U	0.000391 U	0.000509 U	NT	0.000383 U
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	NT	0.000262 U	0.000229 U	0.000299 U	NT	0.000225 U
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	NT	0.00038 U	0.000332 U	0.000432 U	NT	0.000325 U
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	NT	0.00838 J	0.0177 J	0.00655	NT	0.0091
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	NT	0.000395 U	0.000345 U	0.00045 U	NT	0.000339 U
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	NT	0.000427 U	0.000373 U	0.000486 U	NT	0.000365 U
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	NT	0.000319 U	0.000279 U	0.000363 U	NT	0.000273 U
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	NT	0.00335 U	0.00292 U	0.00381 U	NT	0.00287 U
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	NT	0.000169 U	0.000148 U	0.000193 U	NT	0.000145 U
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	NT	0.000321 U	0.000281 U	0.000366 U	NT	0.000275 U
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	NT	0.00115 U	0.001 U	0.00131 U	NT	0.000984 U
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	NT	0.000199 U	0.000174 U	0.000226 U	NT	0.00017 U
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	NT	0.000302 U	0.000264 U	0.000344 U	NT	0.000259 U
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	NT	0.000224 U	0.000196 U	0.000255 U	NT	0.000192 U
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	NT	0.000485 U	0.000423 U	0.000552 U	NT	0.000415 U
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	NT	0.000534 U	0.000467 U	0.000608 U	NT	0.000458 U
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	NT	0.000282 U	0.000246 U	0.000321 U	NT	0.000242 U
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	NT	0.000489 U	0.000427 U	0.00265 J	NT	0.000419 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	NT	0.000923 M	0.000806 M	0.00105 U	NT	0.000791 U
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	NT	0.000371 U	0.000324 U	0.000423 U	NT	0.000318 U
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	NT	0.00335 J	0.00267 J	0.00167 U	NT	0.00322 J
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	NT	0.0077	0.00339 J	0.00234 U	NT	0.00283 J
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	NT	0.00392 J	0.00288 J	0.000609 U	NT	0.000459 U
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	NT	0.000278 U	0.000243 U	0.000317 U	NT	0.000239 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	NT	0.012 M	0.00113 M	0.00147 U	NT	0.0011 U
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	NT	0.000526 U	0.00046 U	0.000599 U	NT	0.000451 U
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	NT	0.000292 U	0.000255 U	0.000333 U	NT	0.00025 U
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	NT	0.000357 U	0.000312 U	0.000659 J	NT	0.000306 U
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	NT	0.000227 U	0.000198 U	0.000259 U	NT	0.000195 U
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	NT	0.000326 U	0.000285 U	0.000371 U	NT	0.000279 U
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	NT	0.000346 U	0.000302 U	0.000394 U	NT	0.000296 U
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	NT	0.0004 U	0.000349 U	0.000455 U	NT	0.000343 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source <small>Tot Soil Comb</small>	TRRP Residential Tier 1 PCL ³ 30-Acre Source <small>GW Soil mg</small>	TRRP Residential Tier 2 PCL ³ 30-Acre Source <small>GW Soil mg</small>	Critical PCL ⁴ (mg/kg)	SWMUB71-P12 0.0-0.5 06/18/2007 Normal (mg/kg)	SWMUB71-SW1 6.5 11/20/2008 Normal (mg/kg)	SWMUB71-SW1 6.5 11/20/2008 Duplicate (mg/kg)	SWMUB71-SW1 6.5 12/12/2008 Normal (mg/kg)	SWMUB71-SW1 1.0-1.25 02/10/2011 Normal (mg/kg)	SWMUB71-SW2 6.0 11/20/2008 Normal (mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	NT	0.000207 U	0.000181 U	0.000235 U	NT	0.000177 U
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	NT	0.00749	0.0118	0.0058 J	NT	0.0103
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	NT	0.000268 U	0.000234 U	0.000305 U	NT	0.000229 U
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	NT	0.000244 U	0.000213 U	0.000278 U	NT	0.000209 U
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	NT	0.000433 U	0.000378 U	0.000493 U	NT	0.000371 U
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	NT	0.000528 U	0.000461 U	0.000601 U	NT	0.000452 U
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	NT	0.000233 U	0.000203 U	0.000265 U	NT	0.000199 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-SW3 6.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW4 8.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW4 8.0 12/12/2008 Normal (mg/kg)	SWMUB71-SW5 5.5 11/20/2008 Normal (mg/kg)	SWMUB71-SW6 4.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW6 4.0 12/12/2008 Normal (mg/kg)
		Tot ⁵ Soil _{Comb}	GW ⁶ Soil _{ing}	GW ⁶ Soil _{ing}		GW ⁶ Soil _{ing}					
Explosives											
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0512 U	0.0478 U	NT	0.0505 U	0.0501 U	NT
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0297 U	0.0277 U	NT	0.0293 U	0.0291 U	NT
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.0879 R	0.082 R	0.08 U	0.0867 R	0.086 R	0.0781 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0549 U	0.0513 U	NT	0.0542 U	0.0537 U	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.1 U	0.0937 U	NT	0.0991 U	0.0983 U	NT
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0299 U	0.0279 U	NT	0.0295 U	0.0293 U	NT
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.1 U	0.0934 U	NT	0.0988 U	0.0979 U	NT
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0607 U	0.0567 U	NT	0.0599 U	0.0594 U	NT
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0435 U	0.0406 U	NT	0.0429 U	0.0425 U	NT
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0297 U	0.0277 U	NT	0.0293 U	0.0291 U	NT
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0461 U	0.043 U	NT	0.0455 U	0.0451 U	NT
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.135 R	0.126 R	0.123 U	0.133 R	0.132 R	0.12 U
Metals											
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	0.5 J	0.29 U	NT	0.3 U	0.68 J	NT
Barium	300 ²	7.8E+03	2.2E+02	---	300	118 J	107 J	NT	153 J	135 J	NT
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.013 U	0.012 U	NT	0.013 U	0.013 U	NT
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	26.1 M	22.2 M	NT	27.1 M	26.9 M	NT
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	12.1 M	10.7 M	NT	11.6 M	15 M	NT
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	16.6 J	15.6 J	NT	19.2 J	20.1 J	NT
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.041	0.03	NT	0.026	0.015	NT
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	16.7 J	15.9 J	NT	19.5 J	17.6 J	NT
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	35.4 M	32 M	NT	34.7 M	35.8 M	NT
PCBs											
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
SVOCs											
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.201 U	0.185 U	NT	0.196 U	0.194 U	NT
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.201 U	0.185 U	NT	0.196 U	0.194 U	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.201 U	0.185 U	NT	0.196 U	0.194 U	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.201 U	0.185 U	NT	0.196 U	0.194 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-SW3	SWMUB71-SW4	SWMUB71-SW4	SWMUB71-SW5	SWMUB71-SW6	SWMUB71-SW6
		Tier 1 PCL ³ 30-Acre Source <small>T^{tot}Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>		6.0 11/20/2008 Normal (mg/kg)	8.0 11/20/2008 Normal (mg/kg)	8.0 12/12/2008 Normal (mg/kg)	5.5 11/20/2008 Normal (mg/kg)	4.0 11/20/2008 Normal (mg/kg)	4.0 12/12/2008 Normal (mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.00739 U	0.0068 U	NT	0.00722 U	0.00713 U	NT
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.00691 U	0.00636 U	NT	0.00675 U	0.00667 U	NT
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.0097 U	0.00893 U	NT	0.00948 U	0.00936 U	NT
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0115 U	0.0106 U	NT	0.0112 U	0.0111 U	NT
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.096 U	0.0884 U	NT	0.0938 U	0.0927 U	NT
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.136 U	0.125 U	NT	0.133 U	0.131 U	NT
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0442 U	0.0407 U	NT	0.0431 U	0.0426 U	NT
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0426 U	0.0392 U	NT	0.0416 U	0.0411 U	NT
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.00984 U	0.00906 U	NT	0.00962 U	0.0095 U	NT
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0166 U	0.0153 U	NT	0.0162 U	0.016 U	NT
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.0135 U	0.0124 U	NT	0.0132 U	0.013 U	NT
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.017 U	0.0156 U	NT	0.0166 U	0.0164 U	NT
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.00966 U	0.0089 U	NT	0.00944 U	0.00933 U	NT
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.013 U	0.012 U	NT	0.0127 U	0.0125 U	NT
3 & 4-Methylphenol (m, & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.0132 U	0.0122 U	NT	0.0129 U	0.0128 U	NT
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.126 U	0.116 U	NT	0.123 U	0.122 U	NT
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.0475 U	0.0438 U	NT	0.0464 U	0.0459 U	NT
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.125 U	0.115 U	NT	0.122 U	0.121 U	NT
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0138 U	0.0127 U	NT	0.0135 U	0.0134 U	NT
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.0103 U	0.0095 U	NT	0.0101 U	0.00996 U	NT
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.00866 U	0.00798 U	NT	0.00846 U	0.00836 U	NT
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.00657 U	0.00605 U	NT	0.00642 U	0.00634 U	NT
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.0449 U	0.0413 U	NT	0.0438 U	0.0433 U	NT
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.0125 U	0.0115 U	NT	0.0122 U	0.0121 U	NT
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.0117 U	0.0107 U	NT	0.0114 U	0.0113 U	NT
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.0051 U	0.0047 U	NT	0.00498 U	0.00493 U	NT
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00588 U	0.00542 U	NT	0.00575 U	0.00568 U	NT
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.0283 U	0.026 U	NT	0.0276 U	0.0273 U	NT
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.027 U	0.0248 U	NT	0.0263 U	0.026 U	NT
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0355 U	0.0327 U	NT	0.0347 U	0.0343 U	NT
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.0259 U	0.0238 U	NT	0.0253 U	0.025 U	NT
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.0113 U	0.0104 U	NT	0.011 U	0.0109 U	NT
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.0112 U	0.0103 U	NT	0.0109 U	0.0108 U	NT
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.173 U	0.16 U	NT	0.169 U	0.167 U	NT
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.0887 U	0.0817 U	NT	0.0866 U	0.0856 U	NT
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0277 U	0.0255 U	NT	0.027 U	0.0267 U	NT
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.0164 U	0.0151 U	NT	0.016 U	0.0158 U	NT
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.0102 U	0.00937 U	NT	0.00995 U	0.00983 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-SW3	SWMUB71-SW4	SWMUB71-SW4	SWMUB71-SW5	SWMUB71-SW6	SWMUB71-SW6
		Tier 1 PCL ³ 30-Acre Source <small>T^{tot}Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>		6.0 11/20/2008 Normal (mg/kg)	8.0 11/20/2008 Normal (mg/kg)	8.0 12/12/2008 Normal (mg/kg)	5.5 11/20/2008 Normal (mg/kg)	4.0 11/20/2008 Normal (mg/kg)	4.0 12/12/2008 Normal (mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.0225 U	0.0207 U	NT	0.022 U	0.0217 U	NT
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.0109 U	0.0101 U	NT	0.0107 U	0.0105 U	NT
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.147 U	0.135 U	NT	0.143 U	0.142 U	NT
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.0105 U	0.00965 U	NT	0.0102 U	0.0101 U	NT
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.0158 U	0.0145 U	NT	0.0154 U	0.0152 U	NT
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.0285 U	0.0263 U	NT	0.0279 U	0.0275 U	NT
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.0069 U	0.00635 U	NT	0.00674 U	0.00666 U	NT
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.0107 U	0.00983 U	NT	0.0104 U	0.0103 U	NT
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0126 U	0.0116 U	NT	0.0123 U	0.0122 U	NT
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0821 U	0.0756 U	NT	0.0802 U	0.0792 U	NT
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.0681 U	0.0627 U	NT	0.0665 U	0.0658 U	NT
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.201 U	0.185 U	NT	0.196 U	0.194 U	NT
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0608 U	0.056 U	NT	0.0594 U	0.0587 U	NT
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.0117 U	0.0107 U	NT	0.0114 U	0.0113 U	NT
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0995 U	0.0916 U	NT	0.0972 U	0.0961 U	NT
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.087 U	0.0801 U	NT	0.085 U	0.084 U	NT
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.0161 U	0.0148 U	NT	0.0158 U	0.0156 U	NT
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.00887 U	0.00817 U	NT	0.00866 U	0.00856 U	NT
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0243 U	0.0224 U	NT	0.0237 U	0.0235 U	NT
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00939 U	0.00864 U	NT	0.00917 U	0.00906 U	NT
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.0108 U	0.00997 U	NT	0.0106 U	0.0105 U	NT
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0115 U	0.0106 U	NT	0.0113 U	0.0111 U	NT
VOCs											
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000298 U	0.000246 U	NT	0.000278 U	0.00032 U	NT
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.00017 U	0.000141 U	NT	0.000159 U	0.000183 U	NT
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.000333 U	0.000276 U	NT	0.000311 U	0.000359 U	NT
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.00043 U	0.000356 U	NT	0.000402 U	0.000463 U	NT
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000232 U	0.000192 U	NT	0.000217 U	0.00025 U	NT
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000298 U	0.000247 U	NT	0.000278 U	0.000321 U	NT
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.000344 U	0.000285 U	NT	0.000322 U	0.000371 U	NT
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.00121 U	0.001 U	NT	0.00113 U	0.0013 U	NT
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000345 U	0.000286 U	NT	0.000322 U	0.000371 U	NT
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000911 U	0.000755 U	NT	0.000851 U	0.000981 U	NT
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	0.00021 U	0.000174 U	NT	0.000196 U	0.000225 U	NT
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.00119 U	0.000981 U	NT	0.00111 U	0.00128 U	NT
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000345 U	0.000286 U	NT	0.000322 U	0.000371 U	NT
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000357 U	0.000295 U	NT	0.000333 U	0.000384 U	NT
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000334 U	0.000276 U	NT	0.000312 U	0.000359 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-SW3 6.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW4 8.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW4 8.0 12/12/2008 Normal (mg/kg)	SWMUB71-SW5 5.5 11/20/2008 Normal (mg/kg)	SWMUB71-SW6 4.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW6 4.0 12/12/2008 Normal (mg/kg)
		Tot ^{Soil} Comb	Soil ^{ing}	Soil ^{ing}							
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000381 U	0.000315 U	NT	0.000356 U	0.00041 U	NT
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.00028 U	0.000232 U	NT	0.000261 U	0.000301 U	NT
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.00034 U	0.000282 U	NT	0.000317 U	0.000366 U	NT
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000222 U	0.000184 U	NT	0.000207 U	0.000239 U	NT
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.000487 U	0.000403 U	NT	0.000455 U	0.000524 U	NT
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.000375 U	0.000311 U	NT	0.00035 U	0.000404 U	NT
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000434 U	0.00036 U	NT	0.000405 U	0.000467 U	NT
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000255 U	0.000211 U	NT	0.000238 U	0.000274 U	NT
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000369 U	0.000305 U	NT	0.000344 U	0.000396 U	NT
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.00766	0.000245 U	NT	0.000276 U	0.000319 U	NT
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000384 U	0.000318 U	NT	0.000359 U	0.000413 U	NT
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000414 U	0.000343 U	NT	0.000387 U	0.000446 U	NT
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.00031 U	0.000256 U	NT	0.000289 U	0.000333 U	NT
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.00325 U	0.00269 U	NT	0.00303 U	0.00349 U	NT
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000164 U	0.000136 U	NT	0.000153 U	0.000177 U	NT
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000312 U	0.000258 U	NT	0.000291 U	0.000336 U	NT
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.00111 U	0.000923 U	NT	0.00104 U	0.0012 U	NT
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.000193 U	0.00016 U	NT	0.00018 U	0.000208 U	NT
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000293 U	0.000243 U	NT	0.000274 U	0.000316 U	NT
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000218 U	0.00018 U	NT	0.000203 U	0.000234 U	NT
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.000471 U	0.00039 U	NT	0.000439 U	0.000506 U	NT
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.000519 U	0.000429 U	NT	0.000484 U	0.000558 U	NT
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.000274 U	0.000227 U	NT	0.000256 U	0.000294 U	NT
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.000475 U	0.000393 U	NT	0.000443 U	0.000511 U	NT
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.000896 U	0.000742 U	NT	0.000836 U	0.000964 U	NT
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000361 U	0.000299 U	NT	0.000337 U	0.000388 U	NT
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.00142 U	0.00118 U	NT	0.00133 U	0.00153 U	NT
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.00534 J	0.00165 U	NT	0.00186 U	0.00214 U	NT
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.00052 U	0.00043 U	NT	0.000485 U	0.000559 U	NT
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.00027 U	0.000224 U	NT	0.000252 U	0.000291 U	NT
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.00125 U	0.00104 U	NT	0.00117 U	0.00135 U	NT
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.000511 U	0.000423 U	NT	0.000477 U	0.00055 U	NT
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000284 U	0.000235 U	NT	0.000265 U	0.000305 U	NT
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.000346 U	0.000287 U	NT	0.000323 U	0.000373 U	NT
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.00022 U	0.000182 U	NT	0.000206 U	0.000237 U	NT
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000316 U	0.000262 U	NT	0.000295 U	0.00034 U	NT
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.000336 U	0.000278 U	NT	0.000313 U	0.000361 U	NT
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000388 U	0.000321 U	NT	0.000362 U	0.000418 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-SW3 6.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW4 8.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW4 8.0 12/12/2008 Normal (mg/kg)	SWMUB71-SW5 5.5 11/20/2008 Normal (mg/kg)	SWMUB71-SW6 4.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW6 4.0 12/12/2008 Normal (mg/kg)
		^{Tot} Soil _{Comb}	^{GW} Soil _{ing}	^{GW} Soil _{ing}		^{Tot} Soil _{Comb}	^{GW} Soil _{ing}	^{Tot} Soil _{Comb}	^{GW} Soil _{ing}	^{Tot} Soil _{Comb}	^{GW} Soil _{ing}
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000201 U	0.000166 U	NT	0.000187 U	0.000216 U	NT
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.00872	0.00278 J	NT	0.003 J	0.000456 U	NT
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.00026 U	0.000215 U	NT	0.000243 U	0.00028 U	NT
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.000237 U	0.000196 U	NT	0.000222 U	0.000255 U	NT
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.00042 U	0.000348 U	NT	0.000393 U	0.000452 U	NT
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.000513 U	0.000424 U	NT	0.000479 U	0.000552 U	NT
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000226 U	0.000187 U	NT	0.000211 U	0.000243 U	NT

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-SW7 5.5 11/20/2008 Normal (mg/kg)	SWMUB71-SW8 7.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW8 7.0 12/12/2008 Normal (mg/kg)	SWMUB71-SW9 6.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW10 7.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW11 5.0 11/20/2008 Normal (mg/kg)
		Tot ^{Soil} Comb	GW ^{Soil} ing	GW ^{Soil} ing		(mg/kg)					
Explosives											
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0502 U	0.0511 U	NT	0.0506 U	0.0503 U	0.0442 U
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0291 U	0.0297 U	NT	0.0293 U	0.0292 U	0.0257 U
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.0862 R	0.0878 R	0.0775 U	0.0868 R	0.0863 R	0.0759 R
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0539 U	0.0549 U	NT	0.0543 U	0.0539 U	0.0474 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0986 U	0.1 U	NT	0.0992 U	0.0986 U	0.0868 U
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0294 U	0.0299 U	NT	0.0296 U	0.0294 U	0.0259 U
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.0982 U	0.0999 U	NT	0.0989 U	0.0983 U	0.0864 U
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0596 U	0.0606 U	NT	0.06 U	0.0596 U	0.0525 U
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0427 U	0.0434 U	NT	0.0429 U	0.0427 U	0.0376 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0291 U	0.0297 U	NT	0.0293 U	0.0292 U	0.0257 U
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0453 U	0.0461 U	NT	0.0456 U	0.0453 U	0.0398 U
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.133 R	0.135 R	0.119 U	0.134 R	0.133 R	0.117 R
Metals											
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	0.3 U	0.4 J	NT	0.52 J	1.49 U	1.31 U
Barium	300 ²	7.8E+03	2.2E+02	---	300	176 J	132 J	NT	134 J	111 J	84.1 J
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.013 U	0.013 U	NT	0.013 U	0.065 U	0.057 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	26.2 M	25.7 M	NT	24.3 M	24.5 M	17.1 M
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	12.8 M	13.9 M	NT	12.3 M	14.1 M	7.53 M
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	19.7 J	19 J	NT	16 J	14.5 J	10.2 J
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.0051 U	0.0049 U	NT	0.025	0.021	0.02
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	18.5 J	18.5 J	NT	17.9 J	17.7 J	11.6 J
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	33.3 M	37.9 M	NT	34 M	29.3 M	18.6 M
PCBs											
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
SVOCs											
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.196 U	0.201 U	NT	0.199 U	0.196 U	0.171 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.196 U	0.201 U	NT	0.199 U	0.196 U	0.171 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.196 U	0.201 U	NT	0.199 U	0.196 U	0.171 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.196 U	0.201 U	NT	0.199 U	0.196 U	0.171 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-SW7 5.5 11/20/2008 Normal (mg/kg)	SWMUB71-SW8 7.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW8 7.0 12/12/2008 Normal (mg/kg)	SWMUB71-SW9 6.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW10 7.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW11 5.0 11/20/2008 Normal (mg/kg)
		Tot ^{Soil} Comb	Soil ^{ing}	Soil ^{ing}		Soil ^{ing}					
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.0072 U	0.0074 U	NT	0.00732 U	0.00721 U	0.0063 U
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.00673 U	0.00692 U	NT	0.00685 U	0.00674 U	0.00589 U
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.00945 U	0.00972 U	NT	0.00961 U	0.00946 U	0.00827 U
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0112 U	0.0115 U	NT	0.0114 U	0.0112 U	0.00979 U
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.0936 U	0.0962 U	NT	0.0952 U	0.0936 U	0.0819 U
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.133 U	0.136 U	NT	0.135 U	0.133 U	0.116 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.043 U	0.0442 U	NT	0.0438 U	0.0431 U	0.0376 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0415 U	0.0427 U	NT	0.0422 U	0.0415 U	0.0363 U
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.0096 U	0.00986 U	NT	0.00976 U	0.0096 U	0.00839 U
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0162 U	0.0166 U	NT	0.0165 U	0.0162 U	0.0142 U
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.0131 U	0.0135 U	NT	0.0134 U	0.0131 U	0.0115 U
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.0165 U	0.017 U	NT	0.0168 U	0.0165 U	0.0145 U
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.00942 U	0.00968 U	NT	0.00958 U	0.00942 U	0.00824 U
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0127 U	0.013 U	NT	0.0129 U	0.0127 U	0.0111 U
3 & 4-Methylphenol (m, & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.0129 U	0.0133 U	NT	0.0131 U	0.0129 U	0.0113 U
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.123 U	0.127 U	NT	0.125 U	0.123 U	0.108 U
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.0463 U	0.0476 U	NT	0.0471 U	0.0464 U	0.0405 U
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.122 U	0.125 U	NT	0.124 U	0.122 U	0.107 U
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0135 U	0.0139 U	NT	0.0137 U	0.0135 U	0.0118 U
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.0101 U	0.0103 U	NT	0.0102 U	0.0101 U	0.00879 U
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.00845 U	0.00868 U	NT	0.00859 U	0.00845 U	0.00738 U
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.0064 U	0.00658 U	NT	0.00651 U	0.00641 U	0.0056 U
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.0438 U	0.045 U	NT	0.0445 U	0.0438 U	0.0383 U
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.0122 U	0.0125 U	NT	0.0124 U	0.0122 U	0.0107 U
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.0114 U	0.0117 U	NT	0.0116 U	0.0114 U	0.00994 U
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.00497 U	0.00511 U	NT	0.00506 U	0.00498 U	0.00435 U
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00574 U	0.0059 U	NT	0.00583 U	0.00574 U	0.00502 U
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.0276 U	0.0283 U	NT	0.028 U	0.0276 U	0.0241 U
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.0263 U	0.027 U	NT	0.0267 U	0.0263 U	0.023 U
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0346 U	0.0356 U	NT	0.0352 U	0.0346 U	0.0303 U
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.0252 U	0.0259 U	NT	0.0256 U	0.0252 U	0.0221 U
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.011 U	0.0113 U	NT	0.0112 U	0.011 U	0.00962 U
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.0109 U	0.0112 U	NT	0.0111 U	0.0109 U	0.00953 U
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.169 U	0.174 U	NT	0.172 U	0.169 U	0.148 U
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.0865 U	0.0888 U	NT	0.0879 U	0.0865 U	0.0756 U
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.027 U	0.0277 U	NT	0.0274 U	0.027 U	0.0236 U
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.016 U	0.0164 U	NT	0.0162 U	0.016 U	0.0139 U
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.00992 U	0.0102 U	NT	0.0101 U	0.00993 U	0.00868 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-SW7 5.5 11/20/2008 Normal (mg/kg)	SWMUB71-SW8 7.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW8 7.0 12/12/2008 Normal (mg/kg)	SWMUB71-SW9 6.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW10 7.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW11 5.0 11/20/2008 Normal (mg/kg)
		T ^{Soil} _{Comb}	G ^{Soil} _{ing}	G ^{Soil} _{ing}		G ^{Soil} _{ing}					
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.0219 U	0.0225 U	NT	0.0223 U	0.0219 U	0.0192 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.0106 U	0.0109 U	NT	0.0108 U	0.0106 U	0.0093 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.143 U	0.147 U	NT	0.145 U	0.143 U	0.125 U
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.0102 U	0.0105 U	NT	0.0104 U	0.0102 U	0.00893 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.0154 U	0.0158 U	NT	0.0156 U	0.0154 U	0.0134 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.0278 U	0.0286 U	NT	0.0283 U	0.0278 U	0.0243 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.00672 U	0.00691 U	NT	0.00683 U	0.00672 U	0.00588 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.0104 U	0.0107 U	NT	0.0106 U	0.0104 U	0.0091 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0123 U	0.0127 U	NT	0.0125 U	0.0123 U	0.0108 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.08 U	0.0822 U	NT	0.0813 U	0.08 U	0.07 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.0664 U	0.0682 U	NT	0.0675 U	0.0664 U	0.0581 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.196 U	0.201 U	NT	0.199 U	0.196 U	0.171 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0592 U	0.0609 U	NT	0.0602 U	0.0593 U	0.0518 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.0114 U	0.0117 U	NT	0.0116 U	0.0114 U	0.00994 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.097 U	0.0997 U	NT	0.0986 U	0.097 U	0.0848 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0848 U	0.0872 U	NT	0.0862 U	0.0848 U	0.0742 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.0157 U	0.0162 U	NT	0.016 U	0.0157 U	0.0137 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.00865 U	0.00888 U	NT	0.00879 U	0.00865 U	0.00756 U
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0237 U	0.0244 U	NT	0.0241 U	0.0237 U	0.0207 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00915 U	0.0094 U	NT	0.0093 U	0.00915 U	0.008 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.0106 U	0.0108 U	NT	0.0107 U	0.0106 U	0.00923 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0112 U	0.0115 U	NT	0.0114 U	0.0112 U	0.00982 U
VOCs											
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000271 U	0.000263 U	NT	0.000263 U	0.000275 U	0.000247 U
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.000155 U	0.00015 U	NT	0.00015 U	0.000158 U	0.000142 U
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.000303 U	0.000294 U	NT	0.000295 U	0.000308 U	0.000277 U
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.000391 U	0.00038 U	NT	0.00038 U	0.000398 U	0.000358 U
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000211 U	0.000205 U	NT	0.000205 U	0.000215 U	0.000193 U
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000271 U	0.000263 U	NT	0.000263 U	0.000276 U	0.000248 U
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.000313 U	0.000304 U	NT	0.000304 U	0.000319 U	0.000286 U
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.0011 U	0.00107 U	NT	0.00107 U	0.00112 U	0.00101 U
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000314 U	0.000305 U	NT	0.000305 U	0.000319 U	0.000287 U
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000829 U	0.000804 U	NT	0.000805 U	0.000843 U	0.000758 U
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	0.000191 U	0.000185 U	NT	0.000185 U	0.000194 U	0.000174 U
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.00108 U	0.00105 U	NT	0.00105 U	0.0011 U	0.000986 U
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000314 U	0.000304 U	NT	0.000305 U	0.000319 U	0.000287 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000324 U	0.000315 U	NT	0.000315 U	0.00033 U	0.000297 U
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000304 U	0.000295 U	NT	0.000295 U	0.000309 U	0.000278 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-SW7 5.5 11/20/2008 Normal (mg/kg)	SWMUB71-SW8 7.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW8 7.0 12/12/2008 Normal (mg/kg)	SWMUB71-SW9 6.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW10 7.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW11 5.0 11/20/2008 Normal (mg/kg)
		T ^{Soil} Soil _{Comb}	T ^{Soil} Soil _{Comb}	T ^{Soil} Soil _{Comb}		T ^{Soil} Soil _{Comb}	T ^{Soil} Soil _{Comb}	T ^{Soil} Soil _{Comb}	T ^{Soil} Soil _{Comb}	T ^{Soil} Soil _{Comb}	T ^{Soil} Soil _{Comb}
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000346 U	0.000336 U	NT	0.000336 U	0.000352 U	0.000317 U
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.000254 U	0.000247 U	NT	0.000247 U	0.000259 U	0.000233 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.000309 U	0.0003 U	NT	0.0003 U	0.000315 U	0.000283 U
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000202 U	0.000196 U	NT	0.000196 U	0.000205 U	0.000185 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.000443 U	0.00043 U	NT	0.00043 U	0.000451 U	0.000405 U
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.000341 U	0.000331 U	NT	0.000332 U	0.000347 U	0.000312 U
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000395 U	0.000383 U	NT	0.000384 U	0.000402 U	0.000361 U
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000231 U	0.000225 U	NT	0.000225 U	0.000236 U	0.000212 U
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000335 U	0.000325 U	NT	0.000326 U	0.000341 U	0.000306 U
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.000269 U	0.000261 U	NT	0.000261 U	0.000261 U	0.000261 U
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000349 U	0.000339 U	NT	0.000339 U	0.000355 U	0.000319 U
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000376 U	0.000365 U	NT	0.000366 U	0.000383 U	0.000344 U
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.000281 U	0.000273 U	NT	0.000274 U	0.000286 U	0.000258 U
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.00295 U	0.00287 U	NT	0.00287 U	0.00287 U	0.0027 U
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000149 U	0.000145 U	NT	0.000145 U	0.000152 U	0.000137 U
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000284 U	0.000275 U	NT	0.000276 U	0.000289 U	0.00026 U
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.00101 U	0.000984 U	NT	0.000985 U	0.00103 U	0.000927 U
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.000175 U	0.00017 U	NT	0.000171 U	0.000179 U	0.000161 U
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000267 U	0.000259 U	NT	0.000259 U	0.000271 U	0.000244 U
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000198 U	0.000192 U	NT	0.000192 U	0.000201 U	0.000181 U
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.000428 U	0.000415 U	NT	0.000416 U	0.000435 U	0.000391 U
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.000472 U	0.000458 U	NT	0.000458 U	0.00048 U	0.000431 U
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.000249 U	0.000241 U	NT	0.000242 U	0.000253 U	0.000228 U
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.000432 U	0.000419 U	NT	0.000419 U	0.00423 U	0.00358 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.000814 U	0.00079 U	NT	0.000791 U	0.000829 U	0.000745 U
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000328 U	0.000318 U	NT	0.000319 U	0.000334 U	0.0003 U
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.00129 U	0.00126 U	NT	0.00126 U	0.00411 J	0.00286 J
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.00953 U	0.00664 U	NT	0.00524 J	0.00488 J	0.00316 J
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.00423 J	0.00393 J	NT	0.00297 J	0.0029 J	0.00231 J
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000246 U	0.000239 U	NT	0.000239 U	0.00025 U	0.000225 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.00114 U	0.0011 U	NT	0.00111 U	0.00116 U	0.00104 U
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.000465 U	0.000451 U	NT	0.000452 U	0.000473 U	0.000425 U
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000258 U	0.00025 U	NT	0.000251 U	0.000262 U	0.000236 U
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.000315 U	0.000306 U	NT	0.000306 U	0.00032 U	0.000288 U
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.0002 U	0.000194 U	NT	0.000195 U	0.000204 U	0.000183 U
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000288 U	0.000279 U	NT	0.00028 U	0.000293 U	0.000263 U
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.000305 U	0.000296 U	NT	0.000297 U	0.00031 U	0.000279 U
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000353 U	0.000342 U	NT	0.000343 U	0.000359 U	0.000323 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	TRRP Residential Tier 1 PCL ³ 30-Acre Source <small>GW Soil_{ing}</small>	TRRP Residential Tier 2 PCL ³ 30-Acre Source <small>GW Soil_{ing}</small>	Critical PCL ⁴ (mg/kg)	SWMUB71-SW7 5.5 11/20/2008 Normal (mg/kg)	SWMUB71-SW8 7.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW8 7.0 12/12/2008 Normal (mg/kg)	SWMUB71-SW9 6.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW10 7.0 11/20/2008 Normal (mg/kg)	SWMUB71-SW11 5.0 11/20/2008 Normal (mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000182 U	0.000177 U	NT	0.000177 U	0.000186 U	0.000167 U
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.00296 J	0.00354 J	NT	0.00447 J	0.0124	0.00896
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000236 U	0.000229 U	NT	0.00023 U	0.00024 U	0.000216 U
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.000216 U	0.000209 U	NT	0.00021 U	0.000219 U	0.000197 U
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.000382 U	0.000371 U	NT	0.000371 U	0.000389 U	0.00035 U
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.000466 U	0.000452 U	NT	0.000453 U	0.000474 U	0.000426 U
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000205 U	0.000199 U	NT	0.0002 U	0.000209 U	0.000188 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-SW12 4.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW13 4.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW14 2.5 11/25/2008 Normal (mg/kg)	SWMUB71-SW15 3.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW16 4.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW17 4.0 11/25/2008 Normal (mg/kg)
		^{Tot} Soil _{Comb}	^{GW} Soil _{ing}	^{GW} Soil _{ing}		^{GW} Soil _{ing}					
Explosives											
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0502 U	0.0465 U	0.0471 U	0.0484 U	0.0444 U	0.049 U
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0291 U	0.027 U	0.0274 U	0.0281 U	0.0257 U	0.0284 U
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.0861 U	0.0799 U	0.0809 U	0.0832 U	0.0762 U	0.0841 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0538 U	0.05 U	0.0506 U	0.052 U	0.0476 U	0.0526 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0984 U	0.0913 U	0.0925 U	0.095 U	0.0871 U	0.0961 U
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0293 U	0.0272 U	0.0276 U	0.0283 U	0.026 U	0.0287 U
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.0981 U	0.091 U	0.0922 U	0.0947 U	0.0868 U	0.0958 U
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0595 U	0.0552 U	0.0559 U	0.0575 U	0.0526 U	0.0581 U
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0426 U	0.0395 U	0.04 U	0.0411 U	0.0377 U	0.0416 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0291 U	0.027 U	0.0274 U	0.0281 U	0.0257 U	0.0284 U
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0452 U	0.0419 U	0.0425 U	0.0436 U	0.04 U	0.0441 U
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.133 U	0.123 U	0.125 U	0.128 U	0.117 U	0.129 U
Metals											
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	3.28 B	3.68	3.38	4	11.9	3.96
Barium	300 ²	7.8E+03	2.2E+02	---	300	209 M	106 M	98.8 M	78 M	92.8 M	84.5 M
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.026 U	0.012 U	0.012 U	0.012 U	0.058 U	0.013 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	28.5	25.9	27.1	26.7	19.8	26.9
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	17.5	13	14.5	13.4	11.6	13.3
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	15.4	17	18.1	12.4	15.7	14.9
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.0084 M	0.007 M	0.017 M	0.0061 M	0.025 M	0.014 M
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	21.5	13.4	12.8	13	17.9	13.4
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	39.9	33.6	35.5	33	18.5 B	34.3
PCBs											
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
SVOCs											
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.198 U	0.183 U	0.184 U	0.19 U	0.174 U	0.193 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.198 U	0.183 U	0.184 U	0.19 U	0.174 U	0.193 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.198 U	0.183 U	0.184 U	0.19 U	0.174 U	0.193 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.198 U	0.183 U	0.184 U	0.19 U	0.174 U	0.193 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-SW12	SWMUB71-SW13	SWMUB71-SW14	SWMUB71-SW15	SWMUB71-SW16	SWMUB71-SW17
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>GW Soil_{ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>GW Soil_{ing}</small>		4.0 11/25/2008 Normal (mg/kg)	4.0 11/25/2008 Normal (mg/kg)	2.5 11/25/2008 Normal (mg/kg)	3.0 11/25/2008 Normal (mg/kg)	4.0 11/25/2008 Normal (mg/kg)	4.0 11/25/2008 Normal (mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.00726 U	0.00672 U	0.00676 U	0.00697 U	0.00641 U	0.00709 U
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.00679 U	0.00628 U	0.00632 U	0.00651 U	0.00599 U	0.00663 U
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.00954 U	0.00882 U	0.00887 U	0.00915 U	0.00841 U	0.00931 U
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0113 U	0.0104 U	0.0105 U	0.0108 U	0.00995 U	0.011 U
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.0944 U	0.0873 U	0.0878 U	0.0906 U	0.0832 U	0.0922 U
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.134 U	0.124 U	0.124 U	0.128 U	0.118 U	0.131 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0434 U	0.0402 U	0.0404 U	0.0416 U	0.0383 U	0.0424 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0419 U	0.0387 U	0.039 U	0.0402 U	0.0369 U	0.0409 U
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.00968 U	0.00895 U	0.00901 U	0.00928 U	0.00853 U	0.00945 U
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0163 U	0.0151 U	0.0152 U	0.0157 U	0.0144 U	0.0159 U
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.0133 U	0.0123 U	0.0123 U	0.0127 U	0.0117 U	0.0129 U
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.0167 U	0.0154 U	0.0155 U	0.016 U	0.0147 U	0.0163 U
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.0095 U	0.00879 U	0.00884 U	0.00911 U	0.00838 U	0.00928 U
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0128 U	0.0118 U	0.0119 U	0.0123 U	0.0113 U	0.0125 U
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.013 U	0.012 U	0.0121 U	0.0125 U	0.0115 U	0.0127 U
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.124 U	0.115 U	0.116 U	0.119 U	0.11 U	0.121 U
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.0467 U	0.0432 U	0.0435 U	0.0448 U	0.0412 U	0.0456 U
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.123 U	0.114 U	0.114 U	0.118 U	0.108 U	0.12 U
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0136 U	0.0126 U	0.0127 U	0.0131 U	0.012 U	0.0133 U
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.0101 U	0.00938 U	0.00943 U	0.00973 U	0.00894 U	0.0099 U
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.00852 U	0.00788 U	0.00793 U	0.00817 U	0.00751 U	0.00832 U
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.00646 U	0.00597 U	0.00601 U	0.0062 U	0.0057 U	0.00631 U
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.0441 U	0.0408 U	0.0411 U	0.0423 U	0.0389 U	0.0431 U
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.0123 U	0.0114 U	0.0114 U	0.0118 U	0.0108 U	0.012 U
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.0115 U	0.0106 U	0.0107 U	0.011 U	0.0101 U	0.0112 U
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.00502 U	0.00464 U	0.00467 U	0.00481 U	0.00442 U	0.0049 U
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00579 U	0.00535 U	0.00538 U	0.00555 U	0.0051 U	0.00565 U
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.0278 U	0.0257 U	0.0259 U	0.0267 U	0.0245 U	0.0272 U
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.0265 U	0.0245 U	0.0247 U	0.0254 U	0.0234 U	0.0259 U
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0349 U	0.0323 U	0.0325 U	0.0335 U	0.0308 U	0.0341 U
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.0254 U	0.0235 U	0.0237 U	0.0244 U	0.0224 U	0.0248 U
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.0111 U	0.0103 U	0.0103 U	0.0106 U	0.00978 U	0.0108 U
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.011 U	0.0102 U	0.0102 U	0.0105 U	0.00969 U	0.0107 U
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.17 U	0.158 U	0.159 U	0.163 U	0.15 U	0.166 U
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.0872 U	0.0806 U	0.0811 U	0.0836 U	0.0769 U	0.0852 U
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0272 U	0.0252 U	0.0253 U	0.0261 U	0.024 U	0.0266 U
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.0161 U	0.0149 U	0.015 U	0.0154 U	0.0142 U	0.0157 U
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.01 U	0.00926 U	0.00931 U	0.0096 U	0.00883 U	0.00978 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-SW12	SWMUB71-SW13	SWMUB71-SW14	SWMUB71-SW15	SWMUB71-SW16	SWMUB71-SW17
		Tier 1 PCL ³ 30-Acre Source ^{Tot} Soil _{Comb}	Tier 1 PCL ³ 30-Acre Source ^{GW} Soil _{ing}	Tier 2 PCL ³ 30-Acre Source ^{GW} Soil _{ing}		4.0 11/25/2008 Normal (mg/kg)	4.0 11/25/2008 Normal (mg/kg)	2.5 11/25/2008 Normal (mg/kg)	3.0 11/25/2008 Normal (mg/kg)	4.0 11/25/2008 Normal (mg/kg)	4.0 11/25/2008 Normal (mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.0221 U	0.0205 U	0.0206 U	0.0212 U	0.0195 U	0.0216 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.0107 U	0.00992 U	0.00998 U	0.0103 U	0.00946 U	0.0105 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.144 U	0.133 U	0.134 U	0.138 U	0.127 U	0.141 U
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.0103 U	0.00953 U	0.00959 U	0.00988 U	0.00909 U	0.0101 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.0155 U	0.0143 U	0.0144 U	0.0149 U	0.0137 U	0.0151 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.028 U	0.0259 U	0.0261 U	0.0269 U	0.0247 U	0.0274 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.00678 U	0.00627 U	0.00631 U	0.0065 U	0.00598 U	0.00662 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.0105 U	0.00971 U	0.00976 U	0.0101 U	0.00925 U	0.0102 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0124 U	0.0115 U	0.0116 U	0.0119 U	0.011 U	0.0121 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0807 U	0.0746 U	0.0751 U	0.0774 U	0.0711 U	0.0788 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.067 U	0.0619 U	0.0623 U	0.0642 U	0.059 U	0.0654 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.198 U	0.183 U	0.184 U	0.19 U	0.174 U	0.193 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0597 U	0.0553 U	0.0556 U	0.0573 U	0.0527 U	0.0584 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.0115 U	0.0106 U	0.0107 U	0.011 U	0.0101 U	0.0112 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0978 U	0.0905 U	0.091 U	0.0939 U	0.0863 U	0.0956 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0855 U	0.0791 U	0.0796 U	0.082 U	0.0754 U	0.0835 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.0159 U	0.0147 U	0.0148 U	0.0152 U	0.014 U	0.0155 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.00872 U	0.00806 U	0.00811 U	0.00836 U	0.00769 U	0.00852 U
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0239 U	0.0221 U	0.0222 U	0.0229 U	0.0211 U	0.0233 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00923 U	0.00853 U	0.00859 U	0.00885 U	0.00814 U	0.00901 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.0106 U	0.00985 U	0.00991 U	0.0102 U	0.00939 U	0.0104 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0113 U	0.0105 U	0.0105 U	0.0109 U	0.00998 U	0.0111 U
VOCs											
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000134 U	0.000135 U	0.00015 U	0.000125 U	0.000222 U	0.000114 U
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.000077 U	0.000077 U	0.000086 U	0.000072 U	0.000127 U	0.000065 U
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.00015 U	0.000151 U	0.000168 U	0.00014 U	0.000248 U	0.000127 U
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.000194 U	0.000195 U	0.000217 U	0.000181 U	0.000321 U	0.000165 U
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000105 U	0.000105 U	0.000117 U	0.000098 U	0.000173 U	0.000089 U
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000134 U	0.000135 U	0.00015 U	0.000125 U	0.000222 U	0.000114 U
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.000155 U	0.000156 U	0.000174 U	0.000145 U	0.000257 U	0.000132 U
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.000545 U	0.000548 U	0.00061 U	0.000509 U	0.000901 U	0.000462 U
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000156 U	0.000156 U	0.000174 U	0.000145 U	0.000257 U	0.000132 U
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000411 U	0.000413 U	0.00046 U	0.000384 U	0.000679 U	0.000348 U
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	0.000095 U	0.000095 U	0.000106 U	0.000088 U	0.000156 U	0.00008 U
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.000535 U	0.000537 U	0.000598 U	0.000499 U	0.000883 U	0.000453 U
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000156 U	0.000156 U	0.000174 U	0.000145 U	0.000257 U	0.000132 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000161 U	0.000162 U	0.00018 U	0.00015 U	0.000266 U	0.000136 U
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000151 U	0.000151 U	0.000168 U	0.000141 U	0.000249 U	0.000128 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-SW12 4.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW13 4.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW14 2.5 11/25/2008 Normal (mg/kg)	SWMUB71-SW15 3.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW16 4.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW17 4.0 11/25/2008 Normal (mg/kg)
		T ^{Soil} _{Comb}	G ^{Soil} _{ing}	G ^{Soil} _{ing}		G ^{Soil} _{ing}					
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000172 U	0.000173 U	0.000192 U	0.00016 U	0.000284 U	0.000146 U
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.000126 U	0.000127 U	0.000141 U	0.000118 U	0.000209 U	0.000107 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.000153 U	0.000154 U	0.000172 U	0.000143 U	0.000253 U	0.00013 U
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.0001 U	0.000101 U	0.000112 U	0.000093 U	0.000165 U	0.000085 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.00022 U	0.000221 U	0.000246 U	0.000205 U	0.000363 U	0.000186 U
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.000169 U	0.00017 U	0.000189 U	0.000158 U	0.00028 U	0.000143 U
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000196 U	0.000197 U	0.000219 U	0.000183 U	0.000324 U	0.000166 U
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000115 U	0.000115 U	0.000128 U	0.000107 U	0.00019 U	0.000097 U
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000166 U	0.000167 U	0.000186 U	0.000155 U	0.000275 U	0.000141 U
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.000134 U	0.0018	0.000149 U	0.000125 U	0.000221 U	0.000113 U
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000173 U	0.000174 U	0.000194 U	0.000162 U	0.000286 U	0.000147 U
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000187 U	0.000188 U	0.000209 U	0.000174 U	0.000309 U	0.000158 U
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.00014 U	0.00014 U	0.000156 U	0.00013 U	0.000231 U	0.000118 U
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.00147 U	0.00147 U	0.00164 U	0.00137 U	0.00242 U	0.00124 U
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000074 U	0.000074 U	0.000083 U	0.000069 U	0.000122 U	0.000063 U
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000141 U	0.000141 U	0.000157 U	0.000131 U	0.000233 U	0.000119 U
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.000503 U	0.000505 U	0.000562 U	0.000469 U	0.000831 U	0.000426 U
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.000087 U	0.000087 U	0.000097 U	0.000081 U	0.000144 U	0.000074 U
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000132 U	0.000133 U	0.000148 U	0.000124 U	0.000219 U	0.000112 U
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000098 U	0.000099 U	0.00011 U	0.000092 U	0.000162 U	0.000083 U
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.000212 U	0.000213 U	0.000237 U	0.000198 U	0.000351 U	0.00018 U
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.000234 U	0.000235 U	0.000262 U	0.000218 U	0.000387 U	0.000198 U
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.000123 U	0.000124 U	0.000138 U	0.000115 U	0.000204 U	0.000105 U
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.000214 U	0.000215 U	0.00024 U	0.0002 U	0.000354 U	0.000181 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.000404 U	0.000406 U	0.000452 U	0.000377 U	0.000667 U	0.000342 U
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000163 U	0.000163 U	0.000182 U	0.000152 U	0.000269 U	0.000138 U
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.000643 U	0.000645 U	0.000719 U	0.0006 U	0.00106 U	0.000545 U
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.000899 U	0.000903 U	0.00166 J	0.000839 U	0.00149 U	0.000762 U
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.000234 U	0.000235 U	0.000262 U	0.000219 U	0.000387 U	0.000199 U
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000122 U	0.000122 U	0.000136 U	0.000114 U	0.000201 U	0.000103 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.000565 U	0.000567 U	0.000632 U	0.000527 U	0.000933 U	0.000479 U
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.000231 U	0.000232 U	0.000258 U	0.000215 U	0.000381 U	0.000195 U
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000128 U	0.000129 U	0.000143 U	0.000119 U	0.000211 U	0.000108 U
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.000156 U	0.000157 U	0.000175 U	0.000146 U	0.000258 U	0.000132 U
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.000099 U	0.0001 U	0.000111 U	0.000093 U	0.000164 U	0.000084 U
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000143 U	0.000143 U	0.00016 U	0.000133 U	0.000236 U	0.000121 U
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.000151 U	0.000152 U	0.000169 U	0.000141 U	0.00025 U	0.000128 U
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000175 U	0.000176 U	0.000196 U	0.000163 U	0.000289 U	0.000148 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-SW12 4.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW13 4.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW14 2.5 11/25/2008 Normal (mg/kg)	SWMUB71-SW15 3.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW16 4.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW17 4.0 11/25/2008 Normal (mg/kg)
		^{Tot} Soil _{Comb}	^{GW} Soil _{ing}	^{GW} Soil _{ing}		^{Tot} Soil _{Comb}	^{GW} Soil _{ing}	^{GW} Soil _{ing}	^{GW} Soil _{ing}	^{GW} Soil _{ing}	^{GW} Soil _{ing}
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000091 U	0.000091 U	0.000101 U	0.000084 U	0.00015 U	0.000077 U
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.00168 J	0.00381	0.000214 U	0.00157 J	0.000316 U	0.000162 U
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000117 U	0.000118 U	0.000131 U	0.000109 U	0.000194 U	0.000099 U
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.000107 U	0.000107 U	0.00012 U	0.0001 U	0.000177 U	0.000091 U
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.00019 U	0.00019 U	0.000212 U	0.000177 U	0.000313 U	0.000161 U
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.000231 U	0.000232 U	0.000259 U	0.000216 U	0.000382 U	0.000196 U
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000102 U	0.000102 U	0.000114 U	0.000095 U	0.000168 U	0.000086 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-SW18 3.0 11/25/2008 Normal (mg/kg)	(EXCAVATED) SWMUB71-SW19 3.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW19 3.0 12/12/2008 Normal (mg/kg)	SWMUB71-SW20 2.5 11/25/2008 Normal (mg/kg)	SWMUB71-SW21 3.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW22 2.5 11/25/2008 Normal (mg/kg)
		^{Tot} Soil _{Comb}	^{GW} Soil _{ing}	^{GW} Soil _{ing}		^{GW} Soil _{ing}					
Explosives											
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0467 U	0.0589 U	NT	0.0495 U	0.0504 U	0.0489 U
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0271 U	0.0342 U	NT	0.0287 U	0.0292 U	0.0284 U
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.0802 U	0.101 U	NT	0.0849 U	0.0866 U	0.0839 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0501 U	0.0633 U	NT	0.0531 U	0.0541 U	0.0524 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0916 U	0.116 U	NT	0.097 U	0.0989 U	0.0959 U
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0273 U	0.0345 U	NT	0.0289 U	0.0295 U	0.0286 U
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.0913 U	0.115 U	NT	0.0967 U	0.0986 U	0.0956 U
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0554 U	0.0699 U	NT	0.0587 U	0.0598 U	0.058 U
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0397 U	0.0501 U	NT	0.042 U	0.0428 U	0.0415 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0271 U	0.0342 U	NT	0.0287 U	0.0292 U	0.0284 U
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0421 U	0.0531 U	NT	0.0446 U	0.0454 U	0.044 U
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.123 U	0.156 U	NT	0.131 U	0.133 U	0.129 U
Metals											
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	3.58	4.36	5.28	3.82	3.32	3.18
Barium	300 ²	7.8E+03	2.2E+02	---	300	82.5 M	120 M	83.7	134 M	120 M	89.1 M
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.012 U	0.015 U	0.013 U	0.013 U	0.013 U	0.013 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	24.6	32.1	21.9	25.6	26.7	25
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	27.6	31.5	12.5	13.3	13.7	12.4
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	59.7	89.5	11.6	14.2	13.6	14
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.015 M	0.021 M	0.0042 U	0.022 M	0.017 M	0.016 M
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	11.5	19.2	15.9	17.3	18.2	12.5
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	52	54.5	31.5	29.4	32.8	30.6
PCBs											
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT	NT	NT	NT	NT
SVOCs											
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.183 U	0.232 U	0.192 U	0.192 U	0.199 U	0.192 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.183 U	0.232 U	0.192 U	0.192 U	0.199 U	0.192 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.183 U	0.232 U	0.192 U	0.192 U	0.199 U	0.192 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.183 U	0.232 U	0.192 U	0.192 U	0.199 U	0.192 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-SW18	(EXCAVATED)	SWMUB71-SW19	SWMUB71-SW19	SWMUB71-SW20	SWMUB71-SW21	SWMUB71-SW22
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>GW Soil_{ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>GW Soil_{ing}</small>		3.0 11/25/2008 Normal (mg/kg)	3.0 11/25/2008 Normal (mg/kg)	3.0 12/12/2008 Normal (mg/kg)	2.5 11/25/2008 Normal (mg/kg)	3.0 11/25/2008 Normal (mg/kg)	2.5 11/25/2008 Normal (mg/kg)	
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.00674 U	0.00854 U	0.00706 U	0.00707 U	0.0073 U	0.00705 U	
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.0063 U	0.00798 U	0.0066 U	0.00661 U	0.00682 U	0.00659 U	
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.00885 U	0.0112 U	0.00927 U	0.00928 U	0.00958 U	0.00926 U	
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0105 U	0.0133 U	0.011 U	0.011 U	0.0113 U	0.011 U	
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.0876 U	0.111 U	0.0917 U	0.0918 U	0.0949 U	0.0917 U	
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.124 U	0.157 U	0.13 U	0.13 U	0.134 U	0.13 U	
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0403 U	0.14 J	0.0422 U	0.0422 U	0.0436 U	0.0422 U	
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0389 U	0.0492 U	0.0407 U	0.0407 U	0.0421 U	0.0407 U	
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.00898 U	0.0114 U	0.0094 U	0.00941 U	0.00973 U	0.0094 U	
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0151 U	0.0192 U	0.0159 U	0.0159 U	0.0164 U	0.0159 U	
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.0123 U	0.0156 U	0.0129 U	0.0129 U	0.0133 U	0.0129 U	
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.0155 U	0.0196 U	0.0162 U	0.0162 U	0.0168 U	0.0162 U	
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.00881 U	0.0112 U	0.00923 U	0.00924 U	0.00955 U	0.00923 U	
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0119 U	0.015 U	0.0124 U	0.0124 U	0.0128 U	0.0124 U	
3 & 4-Methylphenol (m, & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.0121 U	0.0153 U	0.0126 U	0.0127 U	0.0131 U	0.0126 U	
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.115 U	0.146 U	0.121 U	0.121 U	0.125 U	0.121 U	
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.0434 U	0.0549 U	0.0454 U	0.0455 U	0.047 U	0.0454 U	
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.114 U	0.145 U	0.12 U	0.12 U	0.124 U	0.119 U	
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0126 U	0.016 U	0.0132 U	0.0132 U	0.0137 U	0.0132 U	
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.00941 U	0.0119 U	0.00985 U	0.00986 U	0.0102 U	0.00985 U	
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.0079 U	0.01 U	0.00828 U	0.00829 U	0.00856 U	0.00827 U	
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.00599 U	0.00759 U	0.00628 U	0.00628 U	0.00649 U	0.00627 U	
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.0409 U	0.0519 U	0.0429 U	0.0429 U	0.0444 U	0.0429 U	
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.0114 U	0.0145 U	0.012 U	0.012 U	0.0124 U	0.0119 U	
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.0106 U	0.0135 U	0.0111 U	0.0112 U	0.0115 U	0.0111 U	
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.00465 U	0.00589 U	0.00487 U	0.00488 U	0.00504 U	0.00487 U	
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00537 U	0.0068 U	0.00562 U	0.00563 U	0.00581 U	0.00562 U	
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.0258 U	0.0327 U	0.027 U	0.027 U	0.0279 U	0.027 U	
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.0246 U	0.0311 U	0.0258 U	0.0258 U	0.0266 U	0.0257 U	
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0324 U	0.041 U	0.0339 U	0.034 U	0.0351 U	0.0339 U	
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.0236 U	0.0299 U	0.0247 U	0.0247 U	0.0256 U	0.0247 U	
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.0103 U	0.013 U	0.0108 U	0.0108 U	0.0112 U	0.0108 U	
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.0102 U	0.0129 U	0.0107 U	0.0107 U	0.011 U	0.0107 U	
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.158 U	0.2 U	0.166 U	0.166 U	0.171 U	0.165 U	
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.0809 U	0.102 U	0.0847 U	0.0848 U	0.0876 U	0.0847 U	
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0252 U	0.032 U	0.0264 U	0.0265 U	0.0273 U	0.0264 U	
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.0149 U	0.0189 U	0.0156 U	0.0157 U	0.0162 U	0.0156 U	
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.00929 U	0.0118 U	0.00973 U	0.00974 U	0.0101 U	0.00972 U	

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-SW18	(EXCAVATED)	SWMUB71-SW19	SWMUB71-SW20	SWMUB71-SW21	SWMUB71-SW22
		Tier 1 PCL ³ 30-Acre Source <small>Tot Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>GW Soil_{ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>GW Soil_{ing}</small>		3.0 11/25/2008 Normal (mg/kg)	3.0 11/25/2008 Normal (mg/kg)	3.0 12/12/2008 Normal (mg/kg)	2.5 11/25/2008 Normal (mg/kg)	3.0 11/25/2008 Normal (mg/kg)	2.5 11/25/2008 Normal (mg/kg)
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.0205 U	0.026 U	0.0215 U	0.0215 U	0.0222 U	0.0215 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.00995 U	0.0126 U	0.0104 U	0.0104 U	0.0108 U	0.0104 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.134 U	0.17 U	0.14 U	0.14 U	0.145 U	0.14 U
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.00956 U	0.0121 U	0.01 U	0.01 U	0.0104 U	0.01 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.0144 U	0.0235 J	0.0151 U	0.0151 U	0.0156 U	0.0151 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.026 U	0.0329 U	0.0272 U	0.0273 U	0.0282 U	0.0272 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.00629 U	0.00797 U	0.00659 U	0.0066 U	0.00681 U	0.00658 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.00974 U	0.0123 U	0.0102 U	0.0102 U	0.0105 U	0.0102 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0115 U	0.0146 U	0.0121 U	0.0121 U	0.0125 U	0.0121 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0749 U	0.0948 U	0.0784 U	0.0785 U	0.0811 U	0.0784 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.0621 U	0.0787 U	0.0651 U	0.0651 U	0.0673 U	0.065 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.183 U	0.232 U	0.192 U	0.192 U	0.199 U	0.192 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0554 U	0.0702 U	0.0581 U	0.0581 U	0.06 U	0.058 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.0106 U	0.0135 U	0.0111 U	0.0112 U	0.0115 U	0.0111 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0908 U	0.115 U	0.0951 U	0.0952 U	0.0983 U	0.095 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0794 U	0.101 U	0.0831 U	0.0832 U	0.086 U	0.0831 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.0147 U	0.0186 U	0.0154 U	0.0154 U	0.0159 U	0.0154 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.00809 U	0.316 J	0.00847 U	0.00848 U	0.00876 U	0.00847 U
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0222 U	0.0281 U	0.0232 U	0.0232 U	0.024 U	0.0232 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00856 U	0.0108 U	0.00897 U	0.00898 U	0.00927 U	0.00896 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.00988 U	0.0125 U	0.0103 U	0.0104 U	0.0107 U	0.0103 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0105 U	0.0133 U	0.011 U	0.011 U	0.0114 U	0.011 U
VOCs											
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000087 U	0.000172 U	NT	0.000108 U	0.0001 U	0.000119 U
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.00005 U	0.000099 U	NT	0.000062 U	0.000057 U	0.000068 U
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.000098 U	0.000193 U	NT	0.000121 U	0.000112 U	0.000133 U
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.000126 U	0.000249 U	NT	0.000157 U	0.000145 U	0.000172 U
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000068 U	0.000134 U	NT	0.000085 U	0.000078 U	0.000093 U
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000087 U	0.000173 U	NT	0.000109 U	0.0001 U	0.000119 U
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.000101 U	0.000199 U	NT	0.000126 U	0.000116 U	0.000138 U
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.000354 U	0.0007 U	NT	0.00044 U	0.000407 U	0.000483 U
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000101 U	0.0002 U	NT	0.000126 U	0.000116 U	0.000138 U
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000267 U	0.000528 U	NT	0.000332 U	0.000307 U	0.000364 U
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	0.000061 U	0.000121 U	NT	0.000076 U	0.000071 U	0.000084 U
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.000347 U	0.000686 U	NT	0.000432 U	0.000399 U	0.000474 U
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000101 U	0.0002 U	NT	0.000126 U	0.000116 U	0.000138 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000105 U	0.000207 U	NT	0.00013 U	0.00012 U	0.000143 U
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000098 U	0.000193 U	NT	0.000122 U	0.000112 U	0.000133 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential	TRRP Residential	TRRP Residential	Critical PCL ⁴ (mg/kg)	SWMUB71-SW18	(EXCAVATED) SWMUB71-SW19	SWMUB71-SW19	SWMUB71-SW20	SWMUB71-SW21	SWMUB71-SW22
		Tier 1 PCL ³ 30-Acre Source <small>T^{ot}Soil_{Comb}</small>	Tier 1 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>	Tier 2 PCL ³ 30-Acre Source <small>G^WSoil_{ing}</small>		3.0 11/25/2008 Normal (mg/kg)	3.0 11/25/2008 Normal (mg/kg)	3.0 12/12/2008 Normal (mg/kg)	2.5 11/25/2008 Normal (mg/kg)	3.0 11/25/2008 Normal (mg/kg)	2.5 11/25/2008 Normal (mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000112 U	0.00022 U	NT	0.000139 U	0.000128 U	0.000152 U
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.000082 U	0.000162 U	NT	0.000102 U	0.000094 U	0.000112 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.0001 U	0.000197 U	NT	0.000124 U	0.000115 U	0.000136 U
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000065 U	0.000128 U	NT	0.000081 U	0.000075 U	0.000089 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.000143 U	0.000282 U	NT	0.000177 U	0.000164 U	0.000195 U
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.00011 U	0.000217 U	NT	0.000137 U	0.000126 U	0.00015 U
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000127 U	0.000251 U	NT	0.000158 U	0.000146 U	0.000174 U
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000075 U	0.000147 U	NT	0.000093 U	0.000086 U	0.000102 U
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000108 U	0.000213 U	NT	0.000134 U	0.000124 U	0.000147 U
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.00113	0.00215	NT	0.00139	0.0001 U	0.000118 U
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000112 U	0.000222 U	NT	0.00014 U	0.000129 U	0.000154 U
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000121 U	0.00024 U	NT	0.000151 U	0.00014 U	0.000166 U
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.000091 U	0.000179 U	NT	0.000113 U	0.000104 U	0.000124 U
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.000952 U	0.00188 U	NT	0.00118 U	0.00109 U	0.0013 U
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000048 U	0.000095 U	NT	0.00006 U	0.000055 U	0.000066 U
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000091 U	0.000181 U	NT	0.000114 U	0.000105 U	0.000125 U
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.000327 U	0.000645 U	NT	0.000406 U	0.000376 U	0.000446 U
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.000057 U	0.000112 U	NT	0.00007 U	0.000065 U	0.000077 U
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000086 U	0.00017 U	NT	0.000107 U	0.000099 U	0.000117 U
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000064 U	0.000126 U	NT	0.000079 U	0.000073 U	0.000087 U
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.000138 U	0.000272 U	NT	0.000172 U	0.000159 U	0.000188 U
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.000152 U	0.0003 U	NT	0.000189 U	0.000175 U	0.000207 U
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.00008 U	0.000158 U	NT	0.0001 U	0.000092 U	0.000109 U
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.000139 U	0.000275 U	NT	0.000173 U	0.00016 U	0.00019 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.000262 U	0.000519 U	NT	0.000326 U	0.000302 U	0.000358 U
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000106 U	0.000209 U	NT	0.000131 U	0.000121 U	0.000144 U
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.000417 U	0.000825 U	NT	0.000519 U	0.00048 U	0.00057 U
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.000584 U	0.00115 U	NT	0.000727 U	0.000672 U	0.000797 U
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.000152 U	0.000301 U	NT	0.000189 U	0.000175 U	0.000208 U
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000079 U	0.000157 U	NT	0.000099 U	0.000091 U	0.000108 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.000367 U	0.000725 U	NT	0.000456 U	0.000422 U	0.000501 U
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.00015 U	0.000296 U	NT	0.000186 U	0.000172 U	0.000204 U
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000083 U	0.000164 U	NT	0.000103 U	0.000096 U	0.000113 U
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.000101 U	0.000201 U	NT	0.000126 U	0.000117 U	0.000138 U
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.000065 U	0.000128 U	NT	0.00008 U	0.000074 U	0.000088 U
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000093 U	0.000183 U	NT	0.000115 U	0.000107 U	0.000126 U
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.000098 U	0.000194 U	NT	0.000122 U	0.000113 U	0.000134 U
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000114 U	0.000225 U	NT	0.000141 U	0.000131 U	0.000155 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 1 PCL ³	TRRP Residential Tier 2 PCL ³	Critical PCL ⁴ (mg/kg)	SWMUB71-SW18 3.0 11/25/2008 Normal (mg/kg)	(EXCAVATED) SWMUB71-SW19 3.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW19 3.0 12/12/2008 Normal (mg/kg)	SWMUB71-SW20 2.5 11/25/2008 Normal (mg/kg)	SWMUB71-SW21 3.0 11/25/2008 Normal (mg/kg)	SWMUB71-SW22 2.5 11/25/2008 Normal (mg/kg)
		^{Tot} Soil _{Comb}	^{GW} Soil _{ing}	^{GW} Soil _{ing}		^{GW} Soil _{ing}					
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000059 U	0.000116 U	NT	0.000073 U	0.000068 U	0.00008 U
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.000999 J	0.00189 J	NT	0.00163 J	0.000143 U	0.00017 U
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000076 U	0.00015 U	NT	0.000095 U	0.000088 U	0.000104 U
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.000069 U	0.000137 U	NT	0.000086 U	0.00008 U	0.000095 U
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.000123 U	0.000243 U	NT	0.000153 U	0.000142 U	0.000168 U
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.00015 U	0.000297 U	NT	0.000187 U	0.000173 U	0.000205 U
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000066 U	0.000131 U	NT	0.000082 U	0.000076 U	0.00009 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source <small>TotSoilComb</small>	TRRP Residential Tier 1 PCL ³ 30-Acre Source <small>GWSoilInq</small>	TRRP Residential Tier 2 PCL ³ 30-Acre Source <small>GWSoilInq</small>	Critical PCL ⁴ (mg/kg)	SWMUB71-SW23 2.5 11/25/2008 Normal (mg/kg)	SWMUB71-SW24 5.0-5.5 11/25/2008 Normal (mg/kg)
Explosives							
1,3,5-Trinitrobenzene	NA	2.0E+03	9.1E-01	---	9.1E-01	0.0503 U	0.0436 U
1,3-Dinitrobenzene	NA	6.3E+00	3.8E-03	---	3.8E-03	0.0292 U	0.0253 U
2,4,6-Trinitrotoluene	NA	1.7E+01	8.6E-02	---	8.6E-02	0.0863 U	0.0748 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0539 U	0.0467 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0986 U	0.0855 U
2-Nitrotoluene	NA	2.1E+01	1.6E-02	---	1.6E-02	0.0294 U	0.0255 U
3-Nitrotoluene	NA	2.7E+02	9.2E-01	---	9.2E-01	0.0983 U	0.0852 U
4-Nitrotoluene	NA	1.7E+02	2.2E-01	---	2.2E-01	0.0596 U	0.0517 U
HMX	NA	2.0E+02	1.2E+00	---	1.2E+00	0.0427 U	0.037 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0292 U	0.0253 U
RDX	NA	2.5E+01	1.8E-02	---	1.8E-02	0.0453 U	0.0392 U
Tetryl	NA	3.4E+01	5.5E-01	---	5.5E-01	0.133 U	0.115 U
Metals							
Arsenic	19.6 ¹	2.4E+01	2.5E+00	---	19.6	3.73	6.93 B
Barium	300 ²	7.8E+03	2.2E+02	---	300	105 M	41 M
Cadmium	3.0 ¹	5.2E+01	7.5E-01	---	3.0	0.013 U	0.057 U
Chromium	40.2 ¹	2.7E+04	1.2E+03	---	1200	26.7	13.5
Copper	23.2 ¹	5.5E+02	5.2E+02	---	520	12.1	5.59
Lead	84.5 ¹	5.0E+02	1.5E+00	274	274	12.7	6.29
Mercury	0.77 ¹	2.1E+00	3.9E-03	---	0.77	0.01 M	0.016 M
Nickel	35.5 ¹	8.3E+02	7.9E+01	---	79	14.4	8.61
Zinc	73.2 ¹	9.9E+03	1.2E+03	29337	9900	32.4	9.13 B
PCBs							
Aroclor-1016	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT
Aroclor-1221	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT
Aroclor-1232	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT
Aroclor-1242	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT
Aroclor-1248	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT
Aroclor-1254	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT
Aroclor-1260	NA	1.1E+00	5.3E+00	---	1.1E+00	NT	NT
SVOCs							
1,2,4-Trichlorobenzene	NA	7.0E+01	2.4E+00	---	2.4E+00	0.197 U	0.17 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.197 U	0.17 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.197 U	0.17 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.197 U	0.17 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-SW23 2.5 11/25/2008 Normal	SWMUB71-SW24 5.0-5.5 11/25/2008 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)
1-chloro-4-phenoxybenzene	NA	1.5E-01	1.6E-02	---	1.6E-02	0.00723 U	0.00625 U
2,4,5-Trichlorophenol	NA	4.1E+03	1.7E+01	---	1.7E+01	0.00676 U	0.00584 U
2,4,6-Trichlorophenol	NA	6.7E+01	8.7E-02	---	8.7E-02	0.00949 U	0.0082 U
2,4-Dichlorophenol	NA	1.9E+02	1.8E-01	---	1.8E-01	0.0112 U	0.0097 U
2,4-Dimethylphenol	NA	8.8E+02	1.6E+00	---	1.6E+00	0.094 U	0.0812 U
2,4-Dinitrophenol	NA	1.3E+02	4.7E-02	---	4.7E-02	0.133 U	0.115 U
2,4-Dinitrotoluene	NA	6.9E+00	2.7E-03	---	2.7E-03	0.0432 U	0.0373 U
2,6-Dinitrotoluene	NA	6.9E+00	2.4E-03	---	2.4E-03	0.0417 U	0.036 U
2-Chloronaphthalene	NA	5.0E+03	3.3E+02	---	3.3E+02	0.00963 U	0.00832 U
2-Chlorophenol	NA	3.6E+02	8.2E-01	---	8.2E-01	0.0163 U	0.014 U
2-Methylnaphthalene	NA	2.5E+02	8.5E+00	---	8.5E+00	0.0132 U	0.0114 U
2-Methylphenol	NA	1.0E+03	3.6E+00	---	3.6E+00	0.0166 U	0.0143 U
2-Nitroaniline	NA	1.1E+01	1.1E-02	---	1.1E-02	0.00946 U	0.00817 U
2-Nitrophenol	NA	1.0E+02	6.7E-02	---	6.7E-02	0.0127 U	0.011 U
3 & 4-Methylphenol (m. & p-Cresol)	NA	2.7E+02	3.2E-01	---	3.2E-01	0.013 U	0.0112 U
3,3-Dichlorobenzidine	NA	1.0E+01	3.1E-02	---	3.1E-02	0.124 U	0.107 U
3-Nitroaniline	NA	1.9E+01	1.3E-02	---	1.3E-02	0.0465 U	0.0402 U
4,6-Dinitro-2-methylphenol	NA	5.2E+00	2.3E-03	---	2.3E-03	0.122 U	0.106 U
4-Bromophenyl phenyl ether	NA	2.7E-01	1.8E-01	---	1.8E-01	0.0135 U	0.0117 U
4-Chloro-3-methylphenol	NA	3.3E+02	2.3E+00	---	2.3E+00	0.0101 U	0.00872 U
4-Chloroaniline	NA	2.3E+01	1.0E-02	---	1.0E-02	0.00848 U	0.00732 U
4-Nitroaniline	NA	1.9E+02	5.4E-02	---	5.4E-02	0.00643 U	0.00555 U
4-Nitrophenol	NA	5.1E+01	5.0E-02	---	5.0E-02	0.0439 U	0.0379 U
Acenaphthene	NA	3.0E+03	1.2E+02	---	1.2E+02	0.0122 U	0.0106 U
Acenaphthylene	NA	3.8E+03	2.0E+02	---	2.0E+02	0.0114 U	0.00986 U
Anthracene	NA	1.8E+04	3.4E+03	---	3.4E+03	0.00499 U	0.00431 U
Benzo(a)anthracene	NA	5.6E+00	8.9E+00	---	5.6E+00	0.00576 U	0.00497 U
Benzo(a)pyrene	NA	5.6E-01	3.8E+00	---	5.6E-01	0.0277 U	0.0239 U
Benzo(b)fluoranthene	NA	5.7E+00	3.0E+01	---	5.7E+00	0.0264 U	0.0228 U
Benzo(g,h,i)perylene	NA	1.8E+03	2.3E+04	---	1.8E+03	0.0347 U	0.03 U
Benzoic acid	NA	3.5E+02	9.5E+01	---	9.5E+01	0.0253 U	0.0219 U
Benzyl alcohol	NA	4.0E+03	1.5E+01	---	1.5E+01	0.011 U	0.00954 U
bis(2-Chloroethoxy)methane	NA	2.5E+00	5.9E-03	---	5.9E-03	0.0109 U	0.00945 U
bis(2-Chloroethyl)ether	NA	1.4E+00	1.1E-03	---	1.1E-03	0.17 U	0.146 U
bis(2-Chloroisopropyl)ether	NA	4.1E+01	9.5E-02	---	9.5E-02	0.0868 U	0.075 U
bis(2-Ethylhexyl)phthalate	NA	4.3E+01	8.2E+01	---	4.3E+01	0.0271 U	0.0234 U
Butyl Benzyl Phthalate	NA	1.6E+03	1.3E+02	---	1.3E+02	0.016 U	0.0138 U
Chrysene	NA	5.6E+02	7.7E+02	---	5.6E+02	0.00996 U	0.00861 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-SW23 2.5 11/25/2008 Normal (mg/kg)	SWMUB71-SW24 5.0-5.5 11/25/2008 Normal (mg/kg)
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}			
Dibenzo(a,h)anthracene	NA	5.5E-01	7.6E+00	---	5.5E-01	0.022 U	0.019 U
Dibenzofuran	NA	2.7E+02	1.7E+01	---	1.7E+01	0.0107 U	0.00923 U
Diethyl phthalate	NA	1.4E+03	7.8E+01	---	7.8E+01	0.144 U	0.124 U
Dimethyl phthalate	NA	6.6E+02	3.1E+01	---	3.1E+01	0.0103 U	0.00886 U
Di-N-Butyl phthalate	NA	4.4E+03	1.7E+03	---	1.7E+03	0.018 J	0.0133 U
Di-N-Octyl phthalate	NA	1.3E+03	8.1E+05	---	1.3E+03	0.0279 U	0.0241 U
Fluoranthene	NA	2.3E+03	9.6E+02	---	9.6E+02	0.00675 U	0.00583 U
Fluorene	NA	2.3E+03	1.5E+02	---	1.5E+02	0.0104 U	0.00902 U
Hexachlorobenzene	NA	1.0E+00	5.6E-01	---	5.6E-01	0.0124 U	0.0107 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.0803 U	0.0694 U
Hexachlorocyclopentadiene	NA	7.2E+00	9.6E+00	---	7.2E+00	0.0667 U	0.0576 U
Hexachloroethane	NA	6.7E+01	9.2E-01	---	9.2E-01	0.197 U	0.17 U
Indeno(1,2,3-cd)pyrene	NA	5.7E+00	8.7E+01	---	5.7E+00	0.0595 U	0.0514 U
Isophorone	NA	1.2E+03	1.5E+00	---	1.5E+00	0.0114 U	0.00986 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.0974 U	0.0841 U
Nitrobenzene	NA	3.4E+01	1.8E-01	---	1.8E-01	0.0851 U	0.0735 U
N-Nitroso-di-N-propylamine	NA	4.0E-01	1.8E-04	---	1.8E-04	0.0158 U	0.0136 U
N-Nitrosodiphenylamine	NA	5.7E+02	1.4E+00	40.2	40.2	0.00868 U	0.0075 U
Pentachlorophenol	NA	2.4E+00	9.2E-03	---	9.2E-03	0.0238 U	0.0205 U
Phenanthrene	NA	1.7E+03	2.1E+02	---	2.1E+02	0.00919 U	0.00793 U
Phenol	NA	1.6E+03	9.6E+00	---	9.6E+00	0.0106 U	0.00915 U
Pyrene	NA	1.7E+03	5.6E+02	---	5.6E+02	0.0113 U	0.00973 U
VOCs							
1,1,1,2-Tetrachloroethane	NA	3.9E+01	7.1E-01	---	7.1E-01	0.000114 U	0.000198 U
1,1,1-Trichloroethane	NA	3.2E+04	8.1E-01	---	8.1E-01	0.000065 U	0.000113 U
1,1,2,2-Tetrachloroethane	NA	4.0E+00	1.2E-02	---	1.2E-02	0.000127 U	0.000222 U
1,1,2-Trichloroethane	NA	1.0E+01	1.0E-02	---	1.0E-02	0.000164 U	0.000286 U
1,1-Dichloroethane	NA	2.6E+03	9.2E+00	---	9.2E+00	0.000089 U	0.000154 U
1,1-Dichloroethene	NA	1.6E+03	2.5E-02	---	2.5E-02	0.000114 U	0.000198 U
1,1-Dichloropropene	NA	2.6E+01	6.7E-02	---	6.7E-02	0.000132 U	0.000229 U
1,2,3-Trichlorobenzene	NA	1.9E+02	1.3E+01	---	1.3E+01	0.000462 U	0.000804 U
1,2,3-Trichloropropane	NA	2.0E-01	2.7E-04	---	2.7E-04	0.000132 U	0.00023 U
1,2,4-Trichlorobenzene	NA	6.1E+02	2.4E+00	---	2.4E+00	0.000348 U	0.000606 U
1,2,4-Trimethylbenzene	NA	7.9E+01	2.4E+01	---	2.4E+01	0.00008 U	0.0019 J
1,2-Dibromo-3-chloropropane	NA	8.0E-02	8.7E-04	---	8.7E-04	0.000453 U	0.000789 U
1,2-Dibromoethane	NA	4.3E-01	1.0E-04	---	1.0E-04	0.000132 U	0.00023 U
1,2-Dichlorobenzene	NA	3.9E+02	8.9E+00	---	8.9E+00	0.000136 U	0.000237 U
1,2-Dichloroethane	NA	6.4E+00	6.9E-03	---	6.9E-03	0.000128 U	0.000222 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

Analyte	Background Value ¹ (mg/kg)	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 1 PCL ³ 30-Acre Source	TRRP Residential Tier 2 PCL ³ 30-Acre Source	Critical PCL ⁴ (mg/kg)	SWMUB71-SW23 2.5 11/25/2008 Normal	SWMUB71-SW24 5.0-5.5 11/25/2008 Normal
		^{Tot} Soil _{Comb}	^{GW} Soil _{Ing}	^{GW} Soil _{Ing}		(mg/kg)	(mg/kg)
1,2-Dichloropropane	NA	3.1E+01	1.1E-02	---	1.1E-02	0.000146 U	0.000253 U
1,3,5-Trimethylbenzene	NA	5.9E+01	2.7E+01	---	2.7E+01	0.000107 U	0.000186 U
1,3-Dichlorobenzene	NA	6.2E+01	3.4E+00	---	3.4E+00	0.00013 U	0.000226 U
1,3-Dichloropropane	NA	2.6E+01	3.2E-02	---	3.2E-02	0.000085 U	0.000148 U
1,4-Dichlorobenzene	NA	2.5E+02	1.1E+00	---	1.1E+00	0.000186 U	0.000324 U
1-Chlorohexane	NA	2.3E+03	2.0E+01	---	2.0E+01	0.000143 U	0.00025 U
2,2-Dichloropropane	NA	3.1E+01	6.0E-02	---	6.0E-02	0.000166 U	0.000289 U
2-Chlorotoluene	NA	8.3E+02	4.5E+00	---	4.5E+00	0.000097 U	0.000169 U
4-Chlorotoluene	NA	2.5E+00	1.9E+01	---	2.5E+00	0.000141 U	0.000245 U
Benzene	NA	4.8E+01	1.3E-02	0.221	0.221	0.000113 U	0.000197 U
Bromobenzene	NA	2.8E+02	1.2E+00	---	1.2E+00	0.000147 U	0.000255 U
Bromochloromethane	NA	3.5E+02	1.5E+00	---	1.5E+00	0.000158 U	0.000276 U
Bromodichloromethane	NA	9.8E+01	3.3E-02	---	3.3E-02	0.000118 U	0.000206 U
Bromoform	NA	2.8E+02	3.2E-01	---	3.2E-01	0.00124 U	0.00216 U
Carbon tetrachloride	NA	9.7E+00	3.1E-02	---	3.1E-02	0.000063 U	0.000109 U
Chlorobenzene	NA	3.2E+02	5.5E-01	---	5.5E-01	0.000119 U	0.000208 U
Chloroethane	NA	2.3E+04	1.5E+01	---	1.5E+01	0.000426 U	0.000742 U
Chloroform	NA	8.0E+00	5.1E-01	---	5.1E-01	0.000074 U	0.000128 U
cis-1,2-Dichloroethene	NA	7.2E+02	1.2E-01	---	1.2E-01	0.000112 U	0.000195 U
cis-1,3-Dichloropropene	NA	7.1E+00	3.3E-03	---	3.3E-03	0.000083 U	0.000145 U
Dibromochloromethane	NA	7.2E+01	2.5E-02	---	2.5E-02	0.00018 U	0.000313 U
Dibromomethane	NA	1.4E+02	5.6E-01	---	5.6E-01	0.000198 U	0.000345 U
Dichlorodifluoromethane	NA	1.2E+04	1.2E+02	---	1.2E+02	0.000105 U	0.000182 U
Ethylbenzene	NA	4.0E+03	3.8E+00	---	3.8E+00	0.000181 U	0.000316 U
Hexachlorobutadiene	NA	1.2E+01	1.6E+00	---	1.6E+00	0.000342 U	0.000596 U
Isopropylbenzene	NA	3.0E+03	1.7E+02	---	1.7E+02	0.000138 U	0.00024 U
m,p-Xylene	NA	3.4E+03	5.3E+01	---	5.3E+01	0.000544 U	0.000948 U
Methyl Bromide	NA	2.9E+01	6.5E-02	---	6.5E-02	0.000762 U	0.00133 U
Methyl Chloride	NA	8.4E+01	2.0E-01	---	2.0E-01	0.000199 U	0.000346 U
Methylene chloride	NA	2.6E+02	6.5E-03	---	6.5E-03	0.000103 U	0.00018 U
Naphthalene	NA	1.2E+02	1.6E+01	---	1.6E+01	0.000478 U	0.00381 J
n-Butylbenzene	NA	1.5E+03	6.1E+01	---	6.1E+01	0.000195 U	0.00034 U
n-Propylbenzene	NA	1.6E+03	2.2E+01	---	2.2E+01	0.000108 U	0.000189 U
o-Xylene	NA	2.9E+04	3.5E+01	---	3.5E+01	0.000132 U	0.00023 U
p-Isopropyltoluene	NA	2.5E+03	1.2E+02	---	1.2E+02	0.000084 U	0.000147 U
sec-Butylbenzene	NA	1.6E+03	4.2E+01	---	4.2E+01	0.000121 U	0.00021 U
Styrene	NA	4.3E+03	1.6E+00	---	1.6E+00	0.000128 U	0.000223 U
tert-Butylbenzene	NA	1.4E+03	5.0E+01	---	5.0E+01	0.000148 U	0.000258 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

**Table 4D-2
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

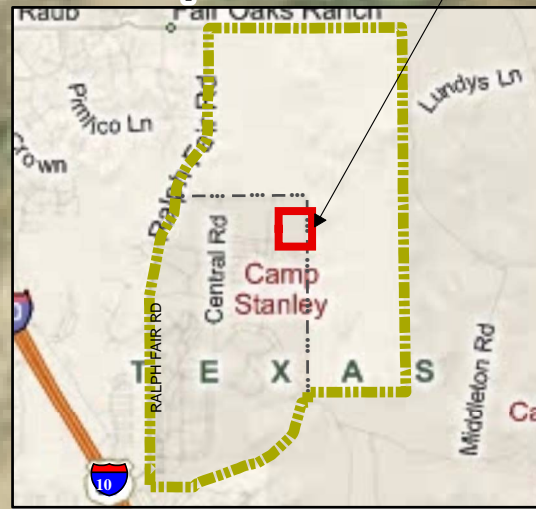
Analyte	Background Value¹ (mg/kg)	TRRP Residential Tier 1 PCL³ 30-Acre Source <small>TotSoilComb</small>	TRRP Residential Tier 1 PCL³ 30-Acre Source <small>GWSoilInq</small>	TRRP Residential Tier 2 PCL³ 30-Acre Source <small>GWSoilInq</small>	Critical PCL⁴ (mg/kg)	SWMUB71-SW23 2.5 11/25/2008 Normal (mg/kg)	SWMUB71-SW24 5.0-5.5 11/25/2008 Normal (mg/kg)
Tetrachloroethene	NA	9.4E+01	2.5E-02	---	2.5E-02	0.000077 U	0.000134 U
Toluene	NA	5.4E+03	4.1E+00	---	4.1E+00	0.000162 U	0.000282 U
trans-1,2-Dichloroethene	NA	3.7E+02	2.5E-01	---	2.5E-01	0.000099 U	0.000173 U
trans-1,3-Dichloropropene	NA	2.6E+01	1.8E-02	---	1.8E-02	0.000091 U	0.000158 U
Trichloroethene	NA	6.8E+01	1.7E-02	---	1.7E-02	0.000161 U	0.00028 U
Trichlorofluoromethane	NA	1.2E+04	6.4E+01	---	6.4E+01	0.000196 U	0.000341 U
Vinyl Chloride	NA	3.4E+00	1.1E-02	---	1.1E-02	0.000086 U	0.00015 U

Note: see table legend (last page of Table 4D-2) for descriptions of symbols and abbreviations

Table 4D-2
Legend and Notes
Soil Data Summary: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

<p>Legend:</p> <p>B - indicates constituent detected in method blank</p> <p>J - indicates estimated value</p> <p>M - a matrix effect was present</p> <p>mg/kg - milligrams per kilogram</p> <p>N/A - not applicable</p> <p>NC - Not Calculated</p> <p>NT - sample not analyzed for constituent</p> <p>PCL - Protective Concentration Level</p> <p>R - rejected; lab result fails QA/QC standards of the CSSA QAPP</p> <p>TRRP - Texas Risk Reduction Program (30TAC§350)</p> <p>U - indicates constituent not detected at or above the method detection limit (MDL)</p>	<p>Notes:</p> <ol style="list-style-type: none"> 1. All data qualifiers are referenced from the Final CSSA QAPP, dated January 2003. 2. Camp Stanley site-specific background concentration for surface soil 3. Texas State Median Concentration 4. All PCLs are for residential land use and an assumed 30-acre source area. The Tier 1 PCLs are default values obtained from the TRRP PCL Tables dated March 31, 2010. 5. Critical PCLs determined from lowest of ^{Tot}Soil_{Comb} (protective of direct exposure to contaminated soil) or ^{GW}Soil_{mg} (protective of soil-to-groundwater cross-media impact to drinking water resources), or if higher than both of these values, the higher of the CSSA background or Texas State Median concentration. Tier 1 PCLs are default values obtained from the TRRP Tier 1 PCL Tables dated May 24, 2011. 6. Bolded values exceed critical PCL. 7. Shaded cells sample quantitation limit (SQL) exceeds the critical PCL. 8. Explosives concentrations determined by EPA Method SW846-8330. 9. Metals concentrations determined by EPA Method SW846-6010B and 7471 (mercury). 10. Perchlorate concentrations determined by EPA Method IC 314. 11. SVOC concentrations determined by EPA Method SW846-8270C. 12. VOC concentrations determined by EPA Method SW846-8260B.
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Site Map Locator

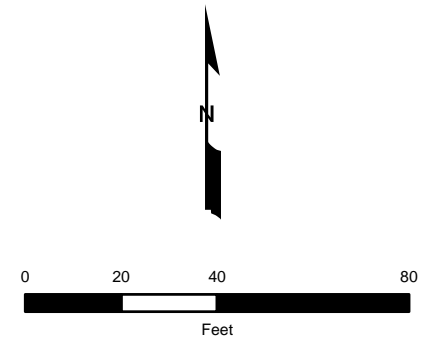


Legend

- ◆ Soil sample location with COC concentrations < Tier 1 PCLs
- ◆ Soil sample location with COC concentrations > Tier 1 PCLs but < calculated site-specific critical Tier2 PCLs
- Areas Excavated > 1 ft below ground surface (bgs)
- Areas Excavated 0.5-1.0 ft bgs
- AOC 64 Investigation Area

COC - chemical of concern
 PCL - human health based protective concentration level
 TRRP - Texas Risk Reduction Program
 TCEQ - Texas Commission on Environmental Quality

Notes:
 Sample locations were generally evaluated for VOC, SVOC, explosives, and metals constituent concentrations (some horizontal delineation samples on the site periphery were only evaluated for metals).
 For each sample location, constituent concentrations not specifically presented on the figure were below their respective critical Tier 1 PCL. All constituent concentrations exceeding Tier 1 PCLs were below calculated site-specific Tier 2 PCLs (i.e., there is no PCL exceedance area).



SOURCE: Camp Stanley Aerial Imagery
 This figure is prepared for reference purposes only and is not intended for survey or engineering purposes.



Figure 4A-1
 COC Distribution Map: AOC 64
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE	PROJECT NO	SCALE
JUN 2011	03886.529.004	AS SHOWN

AOC64-A9 1.5-2.0 3/31/2007		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Benzene	0.019	0.0178

AOC64-F4 1.5-2.5 12/17/2008		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Barium	1562	790

AOC64-F1 6.0 12/8/2008		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Barium	1562	489M

AOC64-P18 0.0-0.5 3/31/2007		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Barium	1562	1110

AOC64-P17 0.0-0.5 1/8/2009		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Barium	1562	419

AOC64-SW12 0.5-1.0 12/15/2008		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Barium	1562	491

AOC64-P4 0.0-0.5 3/31/2007		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Benzene	0.019	0.0188

AOC64-P7 0.0-0.5 6/23/2009		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Barium	1562	455

AOC64-P22 0.0-0.5 2/10/2011		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Mercury	2.1	2.00

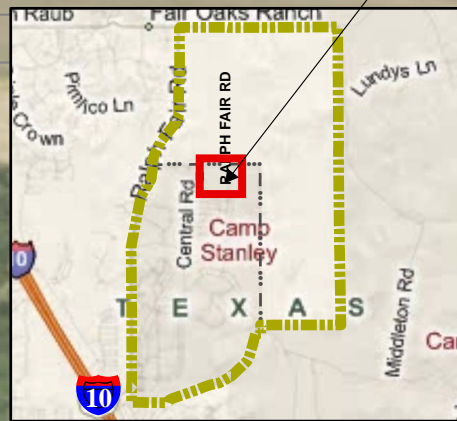
AOC64-P5 0.0-0.5 1/8/2009		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Barium	1562	316

AOC64-SW18 2.0-2.5 12/15/2008		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Barium	1562	859

Areas with Munitions Debris and COCs at the Ground Surface Addressed by Removal Actions

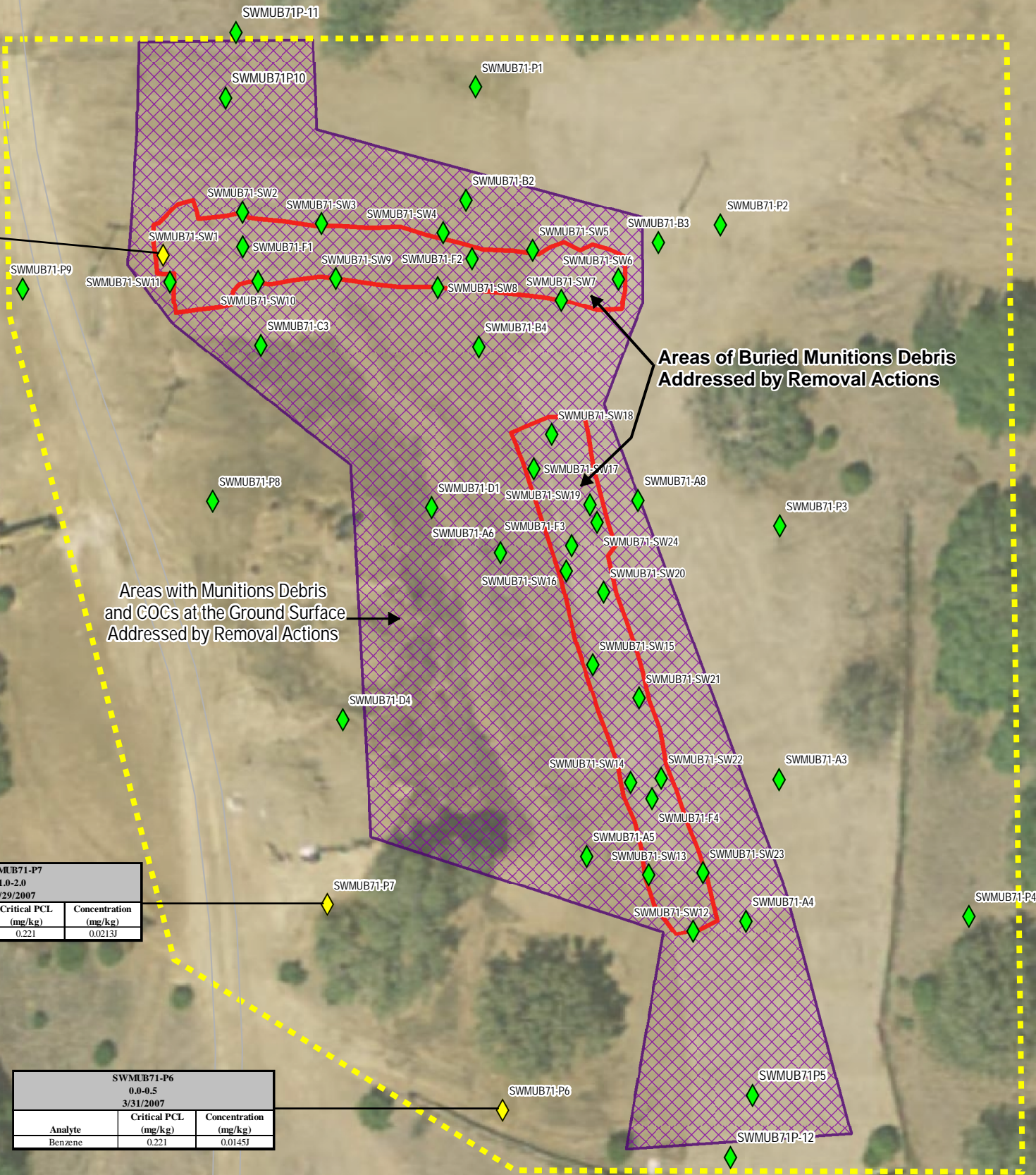
Areas of Buried Munitions Debris Addressed by Removal Actions

Site Map Locator



N OUTER DR

SWMUB71-SW1 6.5 12/12/2008		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Lead	274	136
N-nitrosodiphenylamine	40.2	1.56
Zinc	9900	232



Areas with Munitions Debris and COCs at the Ground Surface Addressed by Removal Actions

Areas of Buried Munitions Debris Addressed by Removal Actions

SWMUB71-P7 1.0-2.0 03/29/2007		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Benzene	0.221	0.02133

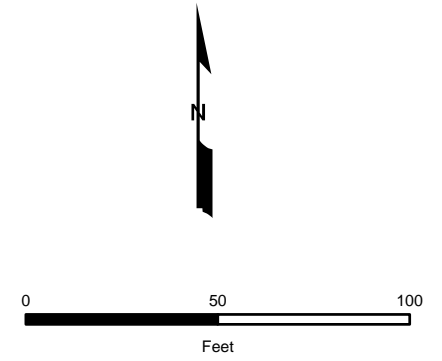
SWMUB71-P6 0.0-0.5 3/31/2007		
Analyte	Critical PCL (mg/kg)	Concentration (mg/kg)
Benzene	0.221	0.01451

Legend

- ◆ Soil sample location with COC concentrations < Tier 1 PCLs
- ◆ Soil sample location with COC concentrations > Tier 1 PCLs but < calculated site-specific critical Tier2 PCLs
- Areas Excavated > 1 ft below ground surface (bgs)
- Areas Excavated 0.5-1.0 ft bgs
- Areas Excavated 0.5-1.0 ft bgs
- SWMU B-71 Investigation Area

COC - chemical of concern
 PCL - human health based protective concentration level
 TRRP - Texas Risk Reduction Program
 TCEQ - Texas Commission on Environmental Quality

Note:
 Sample locations were generally evaluated for VOC, SVOC, explosives, and metals constituent concentrations (some horizontal delineation samples on the site periphery were only evaluated for metals). For each sample location, constituent concentrations not specifically presented on the figure were below their respective critical Tier 1 PCL. All constituent concentrations exceeding Tier 1 PCLs were below calculated site-specific Tier 2 PCLs (i.e., there is no PCL exceedance area).

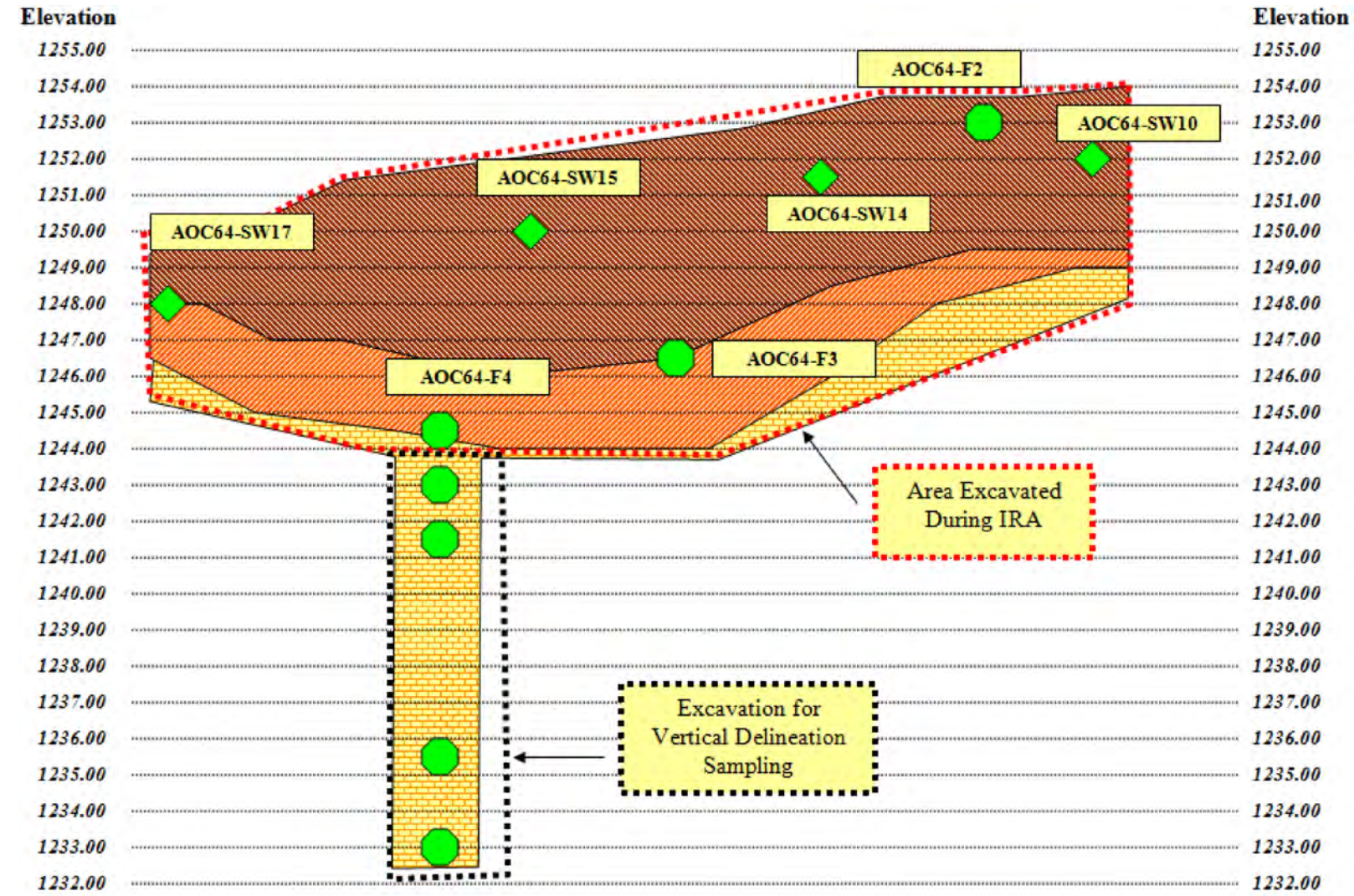
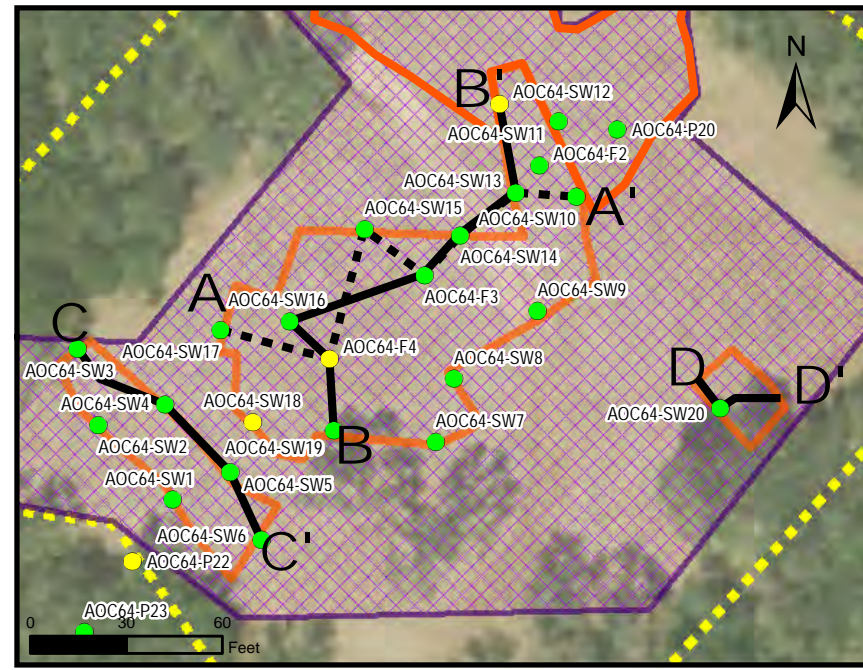


SOURCE: Camp Stanley Aerial Imagery
 This figure is prepared for reference puposes only and should not be used, and is not intended for survey or engineering purposes.



Figure 4A-2
 COC Distribution Map: SWMU B-71
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE	PROJECT NO	SCALE
JUL 2011	03886.529.004.0020	AS SHOWN



LEGEND

- ◆ IRA sidewall confirmation sample
- IRA floor confirmation sample
- Dark brown silty clay with roots and other organic material
- Orange-brown silty clay with calcareous silt
- Buff-to-white weathered limestone with calcareous silt
- Limits of Remedial Excavation

Notes:

1. Cross-section depicts native soil conditions observed at the completion of IRA excavation activities or during follow up vertical delineation sampling.
2. IRA excavated areas were backfilled with imported clean fill.
3. Vertical delineation sampling excavations were backfilled with original materials at the completion of sample collection.
4. Elevations for the boundaries of IRA excavations were determined by a licensed survey and are referenced from mean sea level. Confirmation sample locations *were not* surveyed, elevations for these points are inferred based on sample depths field logged in feet below ground surface (bgs).

COC Concentration Table Notes:
Bolded values exceed the critical PCL
 NT - constituent not tested
 N/A - not applicable
 U - Indicates constituent not detected
 B - Indicates sample batch blank contamination present
 1 - Camp Stanley Specific Background Concentration
 2 - Texas State Median Background Concentration
 a - Tier 1 PCL for soil-to-groundwater pathway
 b - Tier 2 PCL for soil-to-groundwater pathway
 c - Tier 1 PCL for total soil combined exposure pathway
 d - Background concentration
 e - Method Quantitation limit
 M - Laboratory QA/QC analysis indicated a matrix effect on listed result

SOURCE: Camp Stanley Aerial Imagery

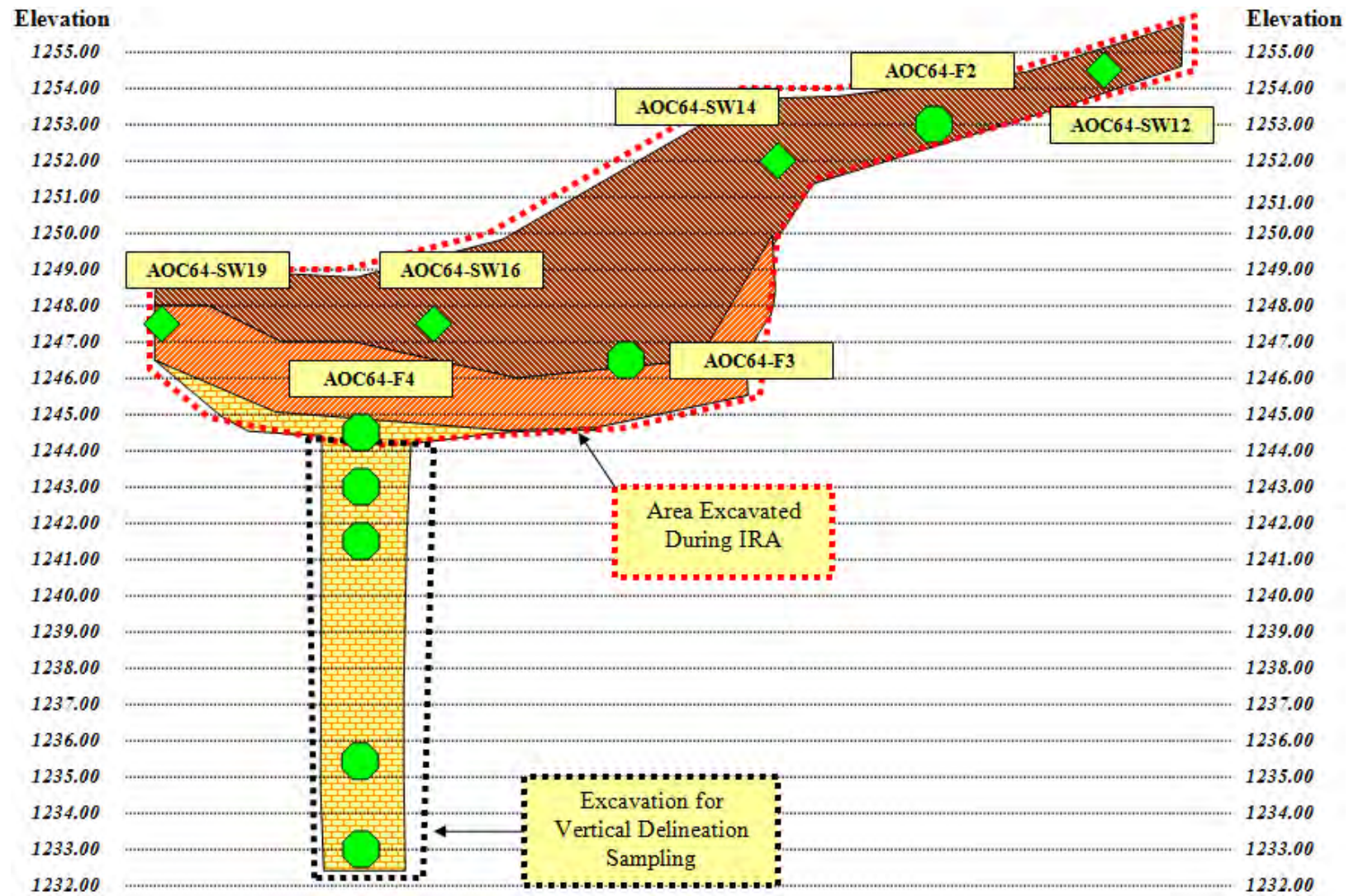
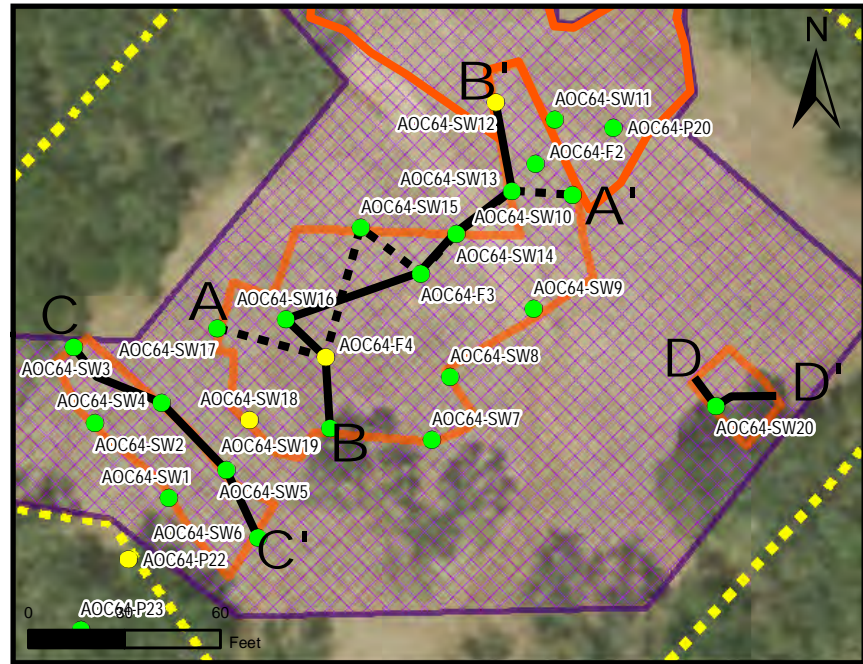
This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.



Figure 4C-1
 Remedial Excavation Cross Section
 AOC 64: A-A'
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

Analyte	Background Concentration	Critical PCL	AOC64-SW10	AOC64-SW14	AOC64-SW15	AOC64-SW17	AOC64-F2	AOC64-F3	AOC64-F4	AOC64-F4	AOC64-F4	AOC64-F4	AOC64-F4
			1.5-2.0 12/15/2008	1.5-2.0 12/15/2008	1.5-2.0 12/15/2008	2.5-3.0 12/15/2008	2.5-3.5 12/17/2008	5.5-6.0 12/17/2008	1.5-2.5 12/17/2008	2.5-3.5 12/17/2008	6.0-6.5 12/18/2008	6.5-7.0 01/07/2009	11.5-12.0 06/23/2009
Metals													
Barium	300 ²	1562 ^b	135	195	31.4	121	42.4	142	790	102	41.8 J	16.7	4.62
Cadmium	3.0 ¹	3.0 ^d	0.058 U	0.06 U	0.06 U	0.059 U	0.12 U	0.11 U	0.12 U	0.12 U	0.059 U	NT	NT
Copper	23.2 ¹	521 ^a	1.25 B	4.45	4.09	4.37	0.95 B	3.16 B	5.25	2.03 B	0.4 J	NT	NT
Lead	84.5 ¹	411 ^b	2.89 B	8.59	4.99	7.67	1.45 M	4.4 M	7.35 M	1.99 M	3.7 J	NT	NT
Mercury	0.77 ¹	2.1 ^c	0.13	0.056	0.05	0.089	0.024 M	0.012 M	0.033 M	0.016 M	0.012 M	NT	NT
Zinc	73.2 ¹	9900 ^c	7.14 M	9.52 M	33.8M	26.5 M	1.51 U	62.8 M	24.9 M	3.79 B	0.77 M	NT	NT
SVOCs													
2,4-Dinitrotoluene	N/A	MQL ^e	0.0388 U	0.0395 U	0.04 U	0.0394 U	0.0387 U	0.038 U	0.039 U	NT	NT	NT	NT
VOCs													
Benzene	N/A	0.019 ^b	0.000986 J	0.00327	0.00126 J	0.00675 J	0.000221 U	0.000223 U	0.000227 U	NT	NT	NT	NT

DATE JUN 2011	PROJECT NO 03886.529.004	SCALE AS SHOWN
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LEGEND

- ◆ IRA sidewall confirmation sample
- IRA floor confirmation sample
- Dark brown silty clay with roots and other organic material
- Orange-brown silty clay with calcareous silt
- Buff-to-white weathered limestone with calcareous silt
- Limits of Remedial Excavation

- Notes:
1. Cross-section depicts native soil conditions observed at the completion of IRA excavation activities or during follow up vertical delineation sampling.
 2. IRA excavated areas were backfilled with imported clean fill.
 3. Vertical delineation sampling excavations were backfilled with original materials at the completion of sample collection.
 4. Elevations for the boundaries of IRA excavations were determined by a licensed survey and are referenced from mean sea level. Confirmation sample locations *were not* surveyed, elevations for these points are inferred based on sample depths field logged in feet below ground surface (bgs).

COC Concentration Table Notes:
Bolded values exceed the critical PCL
 NT - constituent not tested
 N/A - not applicable
 U - Indicates constituent not detected
 B - Indicates sample batch blank contamination present
 1 - Camp Stanley Specific Background Concentration
 2 - Texas State Median Background Concentration
 a - Tier 1 PCL for soil-to-groundwater pathway
 b - Tier 2 PCL for soil-to-groundwater pathway
 c - Tier 1 PCL for total soil combined exposure pathway
 d - Background concentration
 e - Method Quantitation limit
 M - laboratory QA/QC analysis indicated a matrix effect on listed result

SOURCE: Camp Stanley Aerial Imagery

This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.

Analyte	Background Concentration	Critical PCL	AOC64-SW12 0.5-1.0 12/15/2008	AOC64-SW14 1.5-2.0 12/15/2008	AOC64-SW16 2.5-3.0 12/15/2008	AOC64-SW19 2.5-3.0 12/15/2008	AOC64-F2 2.5-3.5 12/17/2008	AOC64-F3 5.5-6.0 12/17/2008	AOC64-F4 1.5-2.5 12/17/2008	AOC64-F4 2.5-3.5 12/17/2008	AOC64-F4 6.0-6.5 12/18/2008	AOC64-F4 6.5-7.0 01/07/2009	AOC64-F4 11.5-12.0 06/23/2009
Metals													
Barium	300 ²	1562 ^b	491	195	197	222	42.4	142	790	102	41.8 J	16.7	4.62
Cadmium	3.0 ¹	3.0 ^d	0.12 U	0.06 U	0.059 U	0.059 U	0.12 U	0.11 U	0.12 U	0.12 U	0.059 U	NT	NT
Copper	23.2 ¹	521 ^a	1.91 B	4.45	10.4	4.96	0.95 B	3.16 B	5.25	2.03 B	0.4 J	NT	NT
Lead	84.5 ¹	411 ^b	2.52 B	8.59	19.3	8.45	1.45 M	4.4 M	7.35 M	1.99 M	3.7 J	NT	NT
Mercury	0.77 ¹	2.1 ^c	0.11	0.056	0.08	0.13	0.024 M	0.012 M	0.033 M	0.016 M	0.012 M	NT	NT
Zinc	73.2 ¹	9900 ^c	7.14 M	9.52 M	60.9 M	22.6 M	1.51 U	62.8 M	24.9 M	3.79 B	0.77 M	NT	NT
SVOCs													
2,4-Dinitrotoluene	N/A	MQL ^c	0.0389 U	0.0395 U	0.0393 U	0.0393 U	0.0387 U	0.038 U	0.039 U	NT	NT	NT	NT
VOCs													
Benzene	N/A	0.019 ^b	0.000534 J	0.00327	0.00233	0.000135 U	0.000221 U	0.000223 U	0.000227 U	NT	NT	NT	NT


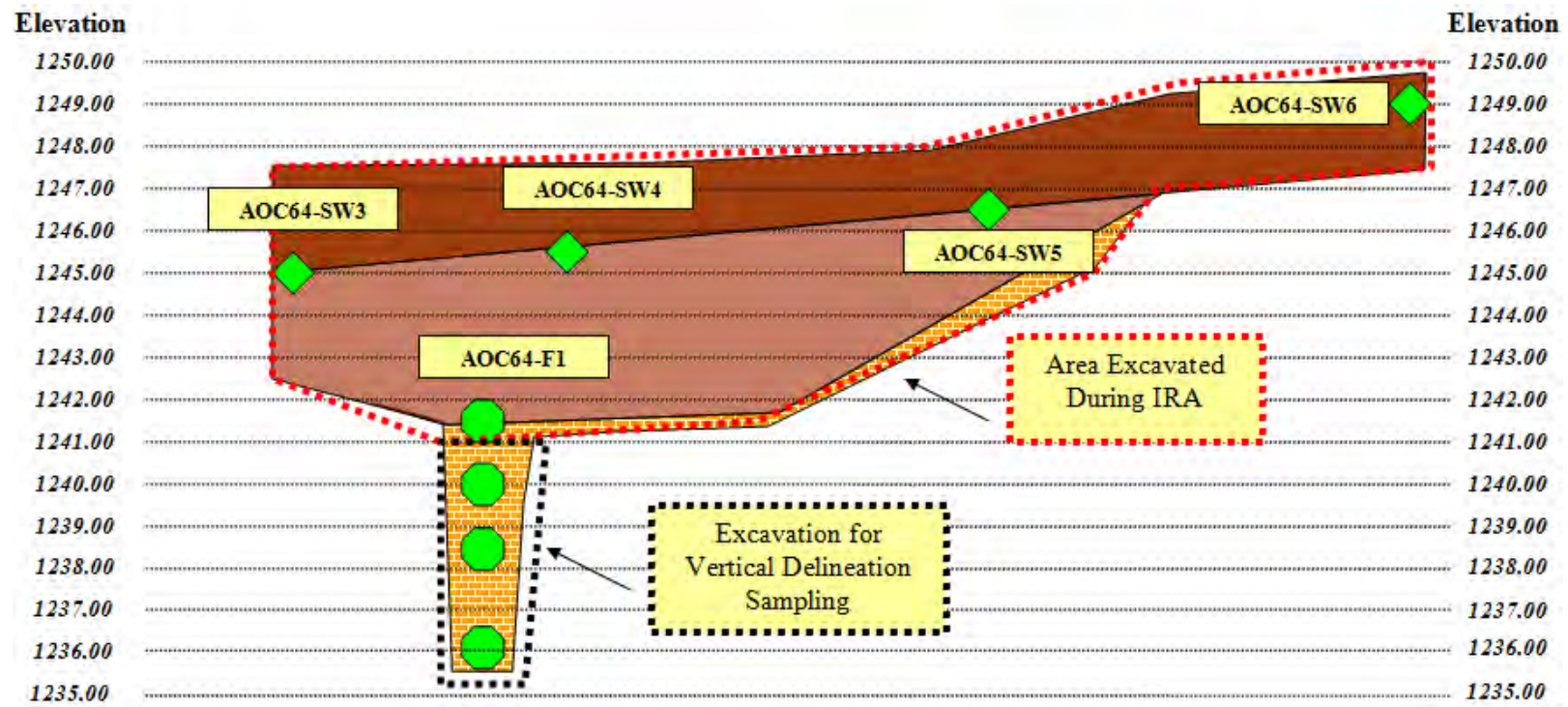
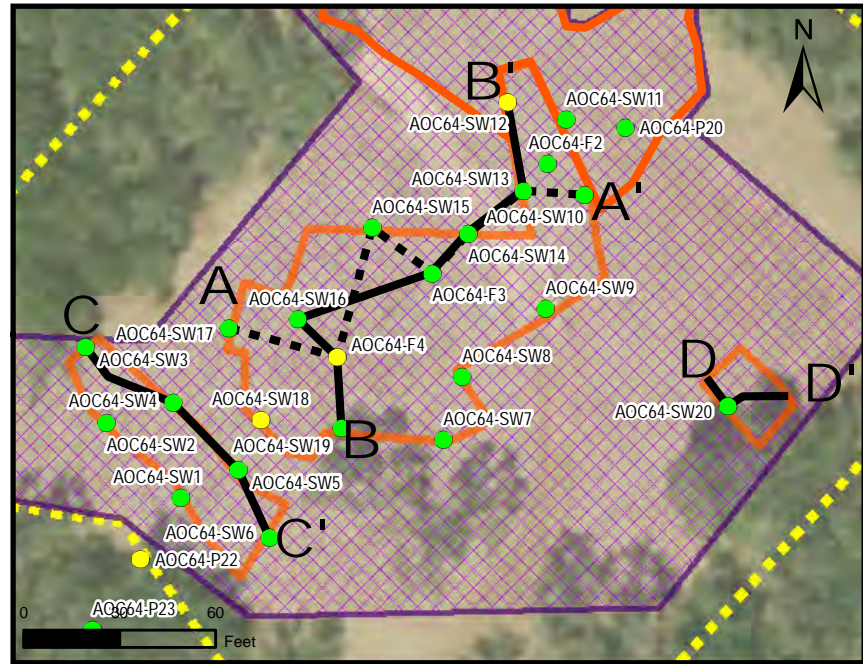


Figure 4C-2
 Remedial Excavation Cross Section
 AOC 64: B-B'
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE	PROJECT NO	SCALE
JUN 2011	03886.529.004	AS SHOWN



LEGEND

- ◆ IRA sidewall confirmation sample
- IRA floor confirmation sample
- Dark brown silty clay with roots and other organic material
- Orange-brown silty clay with calcareous silt
- Buff-to-white weathered limestone with calcareous silt
- Limits of Remedial Excavation

Notes:

1. Cross-section depicts native soil conditions observed at the completion of IRA excavation activities or during follow up vertical delineation sampling.
2. IRA excavated areas were backfilled with imported clean fill.
3. Vertical delineation sampling excavations were backfilled with original materials at the completion of sample collection.
4. Elevations for the boundaries of IRA excavations were determined by a licensed survey and are referenced from mean sea level. Confirmation sample locations *were not* surveyed, elevations for these points are inferred based on sample depths field logged in feet below ground surface (bgs).

COC Concentration Table Notes:

- Bolded** values exceed the critical PCL
- NT - constituent not tested
- N/A - not applicable
- U - Indicates constituent not detected
- B - Indicates sample batch blank contamination present
- 1 - Camp Stanley Specific Background Concentration
- 2 - Texas State Median Background Concentration
- a - Tier 1 PCL for soil-to-groundwater pathway
- b - Tier 2 PCL for soil-to-groundwater pathway
- c - Tier 1 PCL for total soil combined exposure pathway
- d - Background concentration
- e - Method Quantitation limit
- M - laboratory QA/QC analysis indicated a matrix effect on listed result

SOURCE: Camp Stanley Aerial Imagery

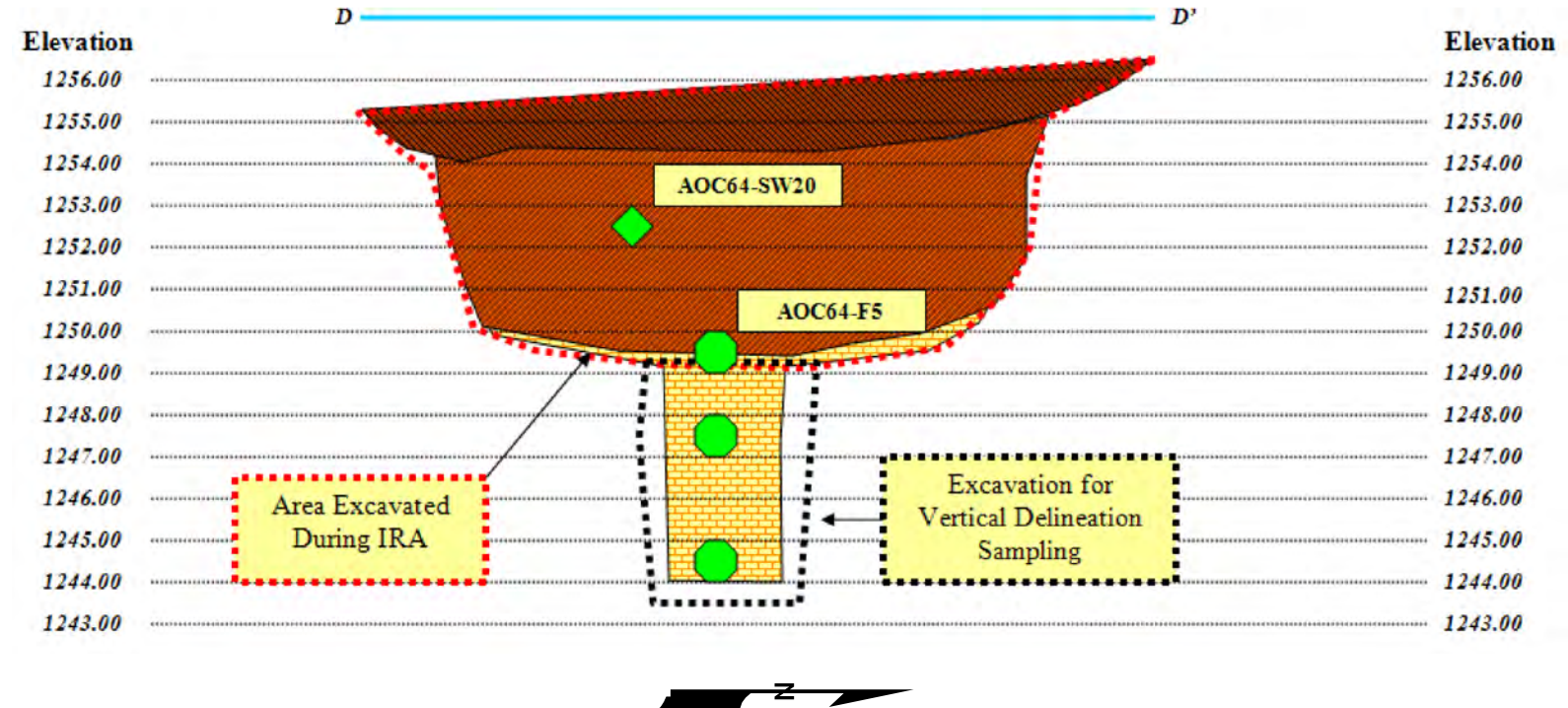
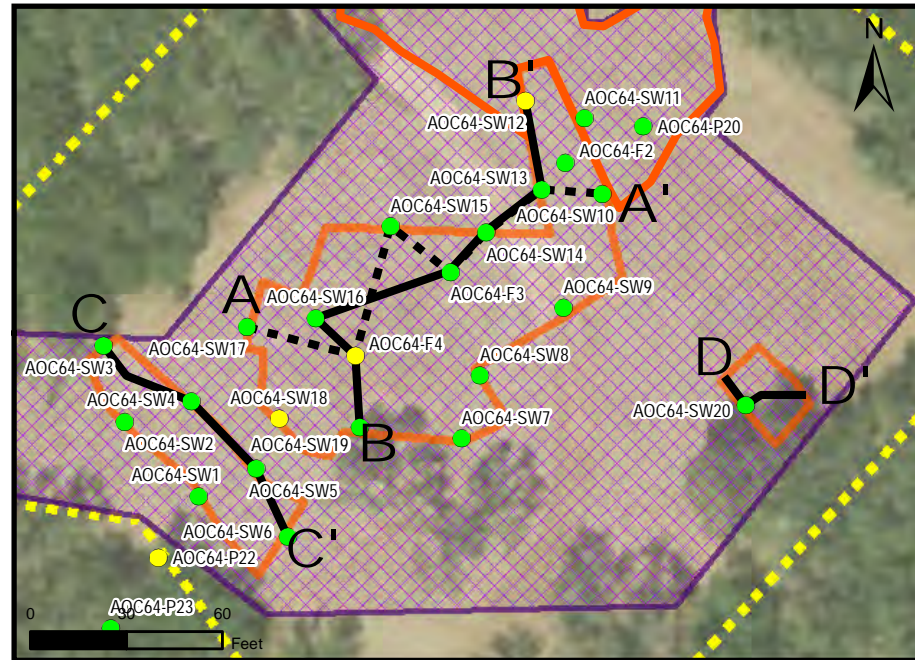
This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.

Analyte	Background Concentration	Critical PCL	AOC64-SW3 2.5-3.0 12/08/2008	AOC64-SW3 2.5-3.0 12/08/2008 (duplicate)	AOC64-SW4 2.5-3.0 12/08/2008	AOC64-SW5 1.0-1.5 12/08/2008	AOC64-SW6 0.5-1.0 12/08/2008	AOC64-F1 6.0 12/08/2008	AOC64-F1 7.5-8.0 12/17/2008	AOC64-F1 11.5-12.0 06/23/2009	AOC64-F1 9.0-9.5 02/09/2011
Metals											
Barium	300 ²	1562 ^b	63.2 M	299 M	87.4 M	69.5 M	42.3 M	489 M	58	82.7	NT
Cadmium	3.0 ¹	3.0 ^d	0.06 U	0.64 B	0.058 U	0.057 U	0.099 B	0.058 U	0.11 U	NT	NT
Copper	23.2 ¹	521 ^a	7.57	9.09	11.6	8.16	6.16	22.3	2.27 B	NT	NT
Lead	84.5 ¹	411 ^b	8.24	11.8	11.5	8.68	6.42	18.4	4.06 M	NT	NT
Mercury	0.77 ¹	2.1 ^c	0.0047 U	0.025	0.0043 B	0.0058 B	0.0045 U	0.0068 B	0.0059 M	NT	NT
Zinc	73.2 ¹	9900 ^c	7.14 M	39.6 M	20.9 M	39.8 M	33.5 M	653 M	5.39 B	NT	NT
SVOCs											
2,4-Dinitrotoluene	N/A	MQL ^c	0.04 U	0.0383 U	0.0379 U	0.0384 U	0.0393 U	0.0388 U	NT	NT	NT
VOCs											
Benzene	N/A	0.019 ^b	0.00238 J	0.00683	0.003	0.00993 M	0.00202	0.00151	NT	NT	0.000112U



Figure 4C-3
Remedial Excavation Cross Section
AOC 64: C-C'
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, Texas

DATE JUN 2011	PROJECT NO 03886.529.004	SCALE AS SHOWN
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LEGEND

- ◆ IRA sidewall confirmation sample
- IRA floor confirmation sample
- Dark brown silty clay with roots and other organic material
- Orange-brown silty clay with calcareous silt
- Buff-to-white weathered limestone with calcareous silt
- Limits of Remedial Excavation

- Notes:
1. Cross-section depicts native soil conditions observed at the completion of IRA excavation activities or during follow up vertical delineation sampling.
 2. IRA excavated areas were backfilled with imported clean fill.
 3. Vertical delineation sampling excavations were backfilled with original materials at the completion of sample collection.
 4. Elevations for the boundaries of IRA excavations were determined by a licensed survey and are referenced from mean sea level. Confirmation sample locations *were not* surveyed, elevations for these points are inferred based on sample depths field logged in feet below ground surface (bgs).

COC Concentration Table Notes:
Bolded values exceed the critical PCL
 NT - constituent not tested
 N/A - not applicable
 U - Indicates constituent not detected
 B - Indicates sample batch blank contamination present
 1 - Camp Stanley Specific Background Concentration
 2 - Texas State Median Background Concentration
 a - Tier 1 PCL for soil-to-groundwater pathway
 b - Tier 2 PCL for soil-to-groundwater pathway
 c - Tier 1 PCL for total soil combined exposure pathway
 d - Background concentration
 e - Method Quantitation limit
 M - laboratory QA/QC analysis indicated a matrix effect on listed result

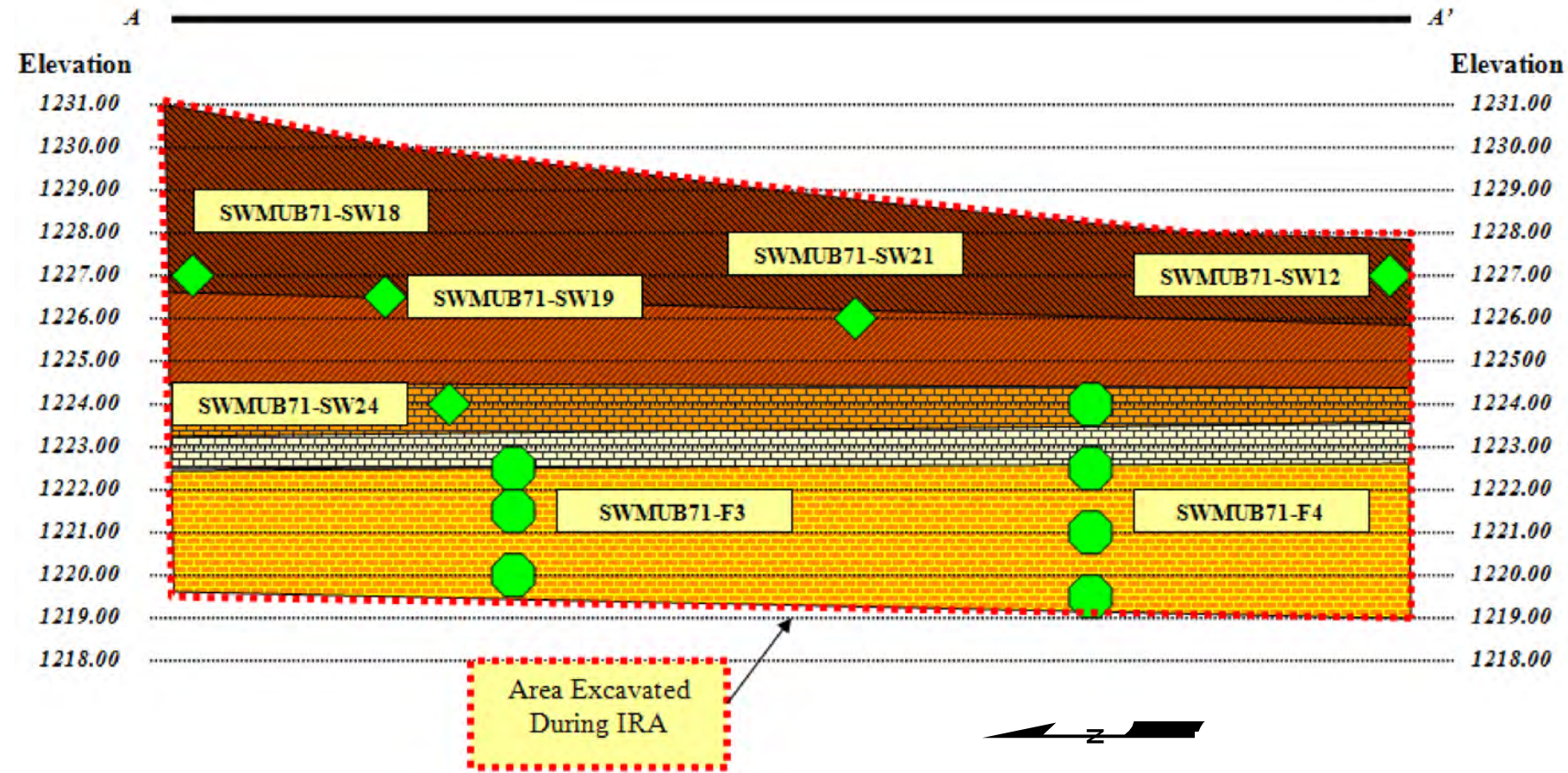
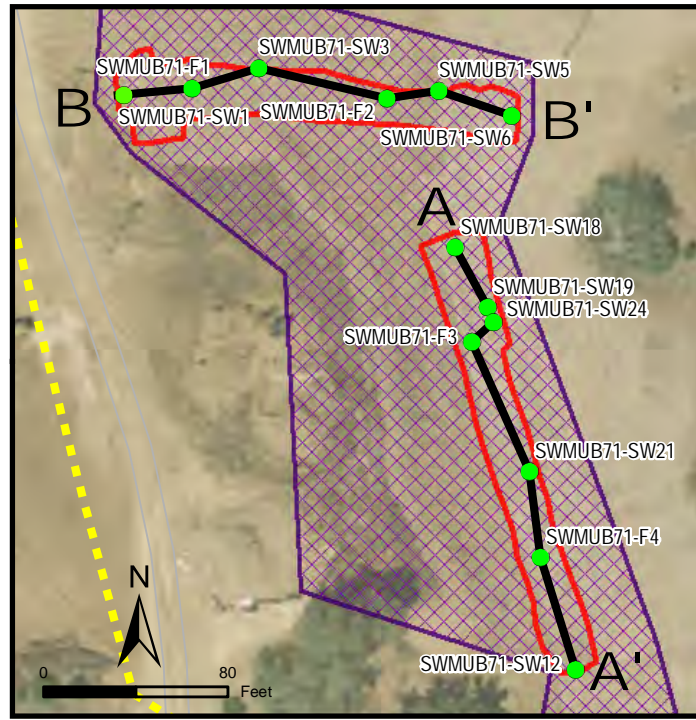
SOURCE: Camp Stanley Aerial Imagery
 This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.

Analyte	Background Concentration	Critical PCL	AOC64-SW20	AOC64-F5	AOC64-F5	AOC64-F5
			3.5-4.0 01/07/2009	7.0 01/07/2009	8.0-8.5 01/14/2009	11.5-12.0 06/23/2009
Metals						
Barium	300 ²	1562 ^b	12.4	30.2	NT	142
Cadmium	3.0 ¹	3.0 ^d	0.057 U	0.057 U	NT	NT
Copper	23.2 ¹	521 ^a	1.18 J	158 J	NT	6.93
Lead	84.5 ¹	411 ^b	2.1 B	6.87	NT	4.46
Mercury	0.77 ¹	2.1 ^c	0.0043 U	0.92 M	0.019	NT
Zinc	73.2 ¹	9900 ^c	7.14 M	24.2 M	NT	32.3
SVOCs						
2,4-Dinitrotoluene	N/A	MQL ^e	0.0385 U	0.038 U	NT	NT
VOCs						
Benzene	N/A	0.019 ^b	0.000223 U	0.000224 U	NT	NT



Figure 4C-4
 Remedial Excavation Cross Section
 AOC 64: D-D'
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE	PROJECT NO	SCALE
JUN 2011	03886.529.004	AS SHOWN



LEGEND

- ◆ IRA sidewall confirmation sample
- IRA floor confirmation sample
- Dark brown silty clay with roots and other organic material
- Orange-brown silty clay with calcareous silt
- Buff-to-white weathered limestone with calcareous silt
- Hard light grey limestone
- Weathered limestone with marl
- Limits of Remedial Excavation

- Notes:**
- Cross-section depicts native soil conditions observed at the completion of IRA excavation activities or during follow up vertical delineation sampling.
 - IRA excavated areas were backfilled with imported clean fill.
 - Vertical delineation sampling excavations were backfilled with original materials at the completion of sample collection.
 - Elevations for the boundaries of IRA excavations were determined by a licensed survey and are referenced from mean sea level. Confirmation sample locations *were not* surveyed, elevations for these points are inferred based on sample depths field logged in feet below ground surface (bgs).
 - Sample SWMUB71-SW24 was collected from soil at the upper contact of the first encountered limestone layer. VOC, SVOC, and explosives results for this sample were used to demonstrate vertical delineation of site COCs for this portion of the remedial excavation.

COC Concentration Table Notes:
Bolded values exceed the critical PCL
 NT - constituent not tested
 N/A - not applicable
 U - Indicates constituent not detected
 B - Indicates sample batch blank contamination present
 1 - Camp Stanley Specific Background Concentration
 2 - Texas State Median Background Concentration
 a - Tier 1 PCL for soil-to-groundwater pathway
 b - Tier 2 PCL for soil-to-groundwater pathway
 c - Tier 1 PCL for total soil combined exposure pathway
 d - Background concentration
 e - Method Quantitation limit
 M - laboratory QA/QC analysis indicated a matrix effect on listed result
 SOURCE: Camp Stanley Aerial Imagery

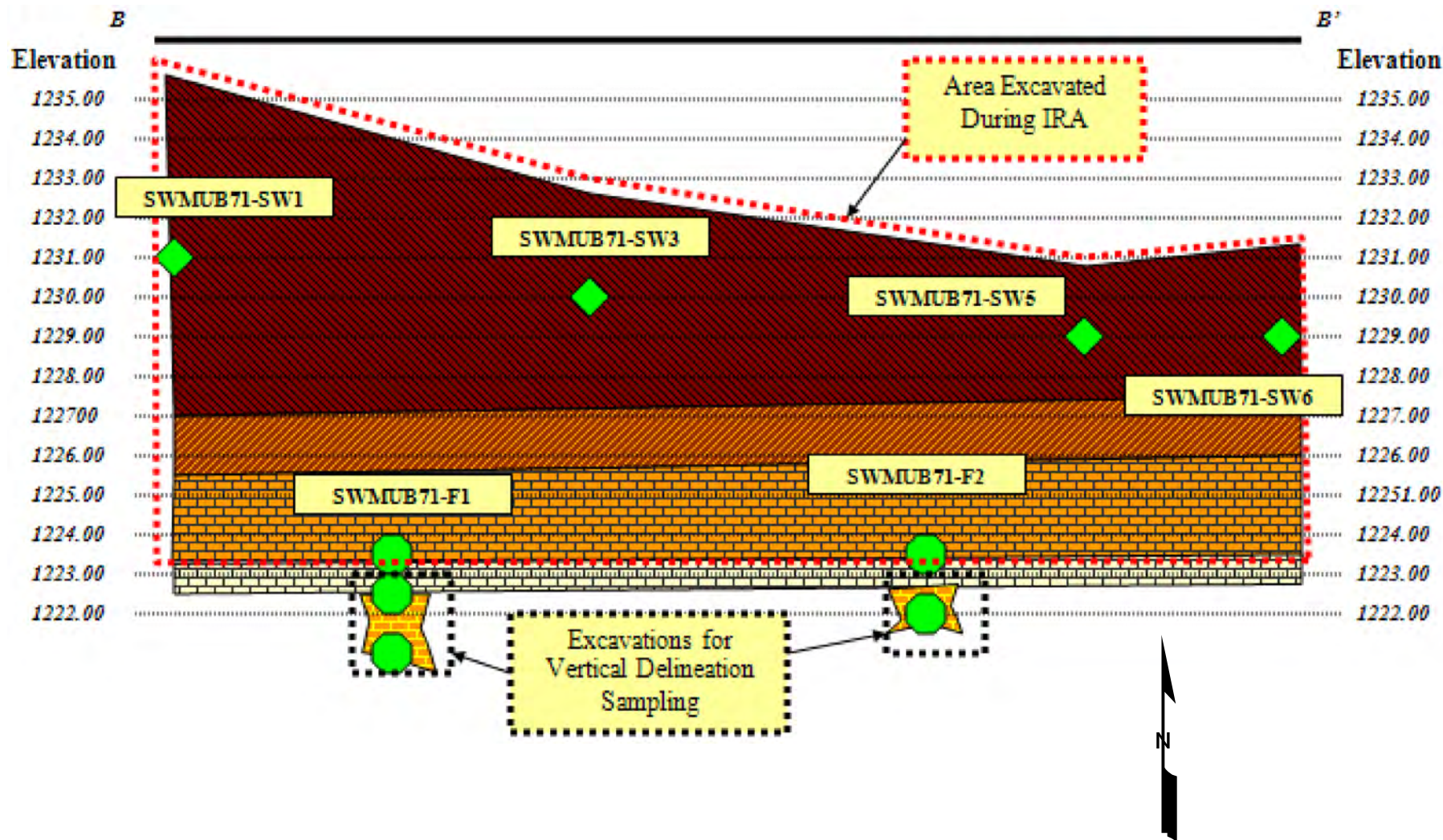
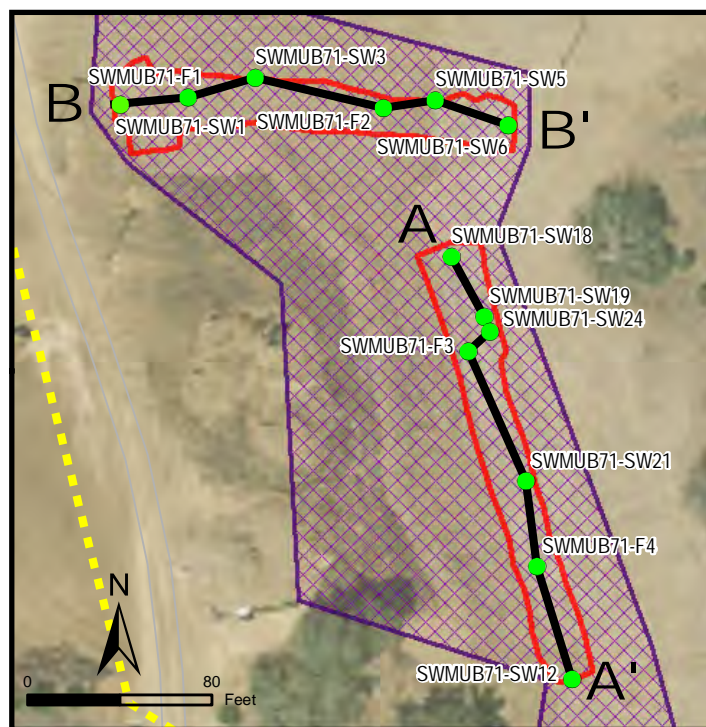
This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.

Analyte	Background Concentration	Critical PCL	SWMUB71-SW12 4.0 11/25/2008	SWMUB71-SW18 3.0 11/25/2008	SWMUB71-SW19 3.0 11/25/2008	SWMUB71-SW19 3.0 12/12/2008	SWMUB71-SW21 3.0 11/25/2008	SWMUB71-SW24 4.5-5.0 11/25/2008	SWMUB71-F3 5.5-6.0 12/08/2008 (EXCAVATED)	SWMUB71-F3 7.5-8.0 12/17/2008	SWMUB71-F3 8.5-9.0 01/21/2009	SWMUB71-F4 5.0 11/25/2008 (EXCAVATED)	SWMUB71-F4 4.5-5.0 12/08/2008	SWMUB71-F4 6.5-7.0 12/17/2008	SWMUB71-F4 8.0-8.5 12/17/2008 (EXCAVATED)	SWMUB71-F4 9.5-10.0 01/21/2009
Metals																
Copper	23.2 ¹	521 ^a	17.5	27.6	31.5	12.5	13.7	5.59	33.5	3.48 B	NT	22.4	9.61	0.74 U	1.22 B	NT
Lead	84.5 ¹	274 ^b	15.4	59.7	89.5	11.6	13.6	6.29	1590	49.7 M	2.74 B	391	59.6	13.9 M	743 M	0.7 B
Nickel	35.5 ¹	79 ^a	21.5	11.5	19.2	15.9	18.2	8.61	3.76 B	9.41 J	NT	6.69 B	2.82 B	6.34 BJ	6.38 J	NT
Zinc	73.2 ¹	9900 ^c	39.9	52	54.5	31.5	32.8	9.13 B	53.4 M	3.65 B	NT	21.5 B	2.34 M	1.49 U	1.79 B	NT
SVOCs																
2,4-Dinitrotoluene	N/A	0.38 ^b	7.14 M	0.0403 U	0.14 J	0.0422 U	0.0436 U	0.0373 U	NT	NT	NT	0.0384 U	NT	NT	NT	NT
N-Nitrosodiphenylamine	N/A	40 ^b	0.00872 U	0.00809 U	0.316 J	0.00847 U	0.00876 U	0.0075 U	NT	NT	NT	0.00771 U	NT	NT	NT	NT
VOCs																
Benzene	N/A	0.221 ^b	0.000134 U	0.00113	0.00215	NT	0.0001 U	0.000197 U	NT	NT	NT	0.000201 U	NT	NT	NT	NT



Figure 4C-5
 Remedial Excavation Cross Section
 SWMU B-71: A-A'
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE JUN 2011	PROJECT NO 03886.529.004	SCALE AS SHOWN
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LEGEND

- ◆ IRA sidewall confirmation sample
- IRA floor confirmation sample
- Dark brown silty clay with roots and other organic material
- Orange-brown silty clay with calcareous silt
- Buff-to-white weathered limestone with calcareous silt
- Hard light grey limestone
- Weathered limestone with marl
- Limits of Remedial Excavation

- Notes:
1. Cross-section depicts native soil conditions observed at the completion of IRA excavation activities or during follow up vertical delineation sampling.
 2. IRA excavated areas were backfilled with imported clean fill.
 3. Vertical delineation sampling excavations were backfilled with original materials at the completion of sample collection.
 4. Elevations for the boundaries of IRA excavations were determined by a licensed survey and are referenced from mean sea level. Confirmation sample locations *were not* surveyed, elevations for these points are inferred based on sample depths field logged in feet below ground surface (bgs).
 5. Sample SWMUB71-SW24 was collected from soil at the upper contact of the first encountered limestone layer. VOC, SVOC, and explosives results for this sample were used to demonstrate vertical delineation of site COCs for this portion of the remedial excavation.

COC Concentration Table Notes:
Bolded values exceed the critical PCL
 NT - constituent not tested
 N/A - not applicable
 U - Indicates constituent not detected
 B - Indicates sample batch blank contamination present
 1 - Camp Stanley Specific Background Concentration
 2 - Texas State Median Background Concentration
 a - Tier 1 PCL for soil-to-groundwater pathway
 b - Tier 2 PCL for soil-to-groundwater pathway
 c - Tier 1 PCL for total soil combined exposure pathway
 d - Background concentration
 e - Method Quantitation limit
 M - laboratory QA/QC analysis indicated a matrix effect on listed result
 SOURCE: Camp Stanley Aerial Imagery
 This figure is prepared for reference purposes only and should not be used, and is not intended for survey or engineering purposes.

Analyte	Background Concentration	Critical PCL	SWMUB71-SW1 6.5 11/20/2008	SWMUB71-SW1 6.5 11/20/2008 Duplicate	SWMUB71-SW1 6.5 12/12/2008	SWMUB71-SW3 6.0 11/20/2008	SWMUB71-SW5 5.5 11/20/2008	SWMUB71-SW6 4.0 11/20/2008	SWMUB71-F1 10.0-10.5 11/19/2008	SWMUB71-F1 10.5-11.0 12/08/2008	SWMUB71-F2 6.5-7.0 11/19/2008	SWMUB71-F2 7.5-8.0 12/08/2008
Metals												
Copper	23.2 ¹	521 ^a	40.4 M	18.4 M	230	12.1 M	11.6 M	15 M	21.4	3.45	14.9	3.2
Lead	84.5 ¹	274 ^b	135 J	67.1 J	136	16.6 J	19.2 J	20.1 J	113	2.51 B	131	1.68 B
Nickel	35.5 ¹	79 ^a	16.7 J	15.2 J	29.9	16.7 J	19.5 J	17.6 J	2.12 B	4.74 B	4.62 B	3.51 B
Zinc	73.2 ¹	9900 ^c	38.2 M	36.4 M	232	35.4 M	34.7 M	35.8 M	22.5 B	0.78 M	37.3	13.5 M
SVOCs												
2,4-Dinitrotoluene	N/A	MQL ^c	7.14 M	0.0414 U	0.0535 U	0.0442 U	0.0431 U	0.0426 U	0.0388 U	NT	0.0377 U	NT
N-Nitrosodiphenylamine	N/A	40.2 ^b	0.314 J	0.0911 J	1.56	0.00887 U	0.00866 U	0.00856 U	0.0132 J	NT	0.0191 J	NT
VOCs												
Benzene	N/A	0.221 ^b	0.00838 J	0.0177 J	0.00655	0.00766	0.000276 U	0.000319 U	0.000228 U	NT	0.000187 U	NT



Figure 4C-6
 Remedial Excavation Cross Section
 SWMU B-71: B-B'
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE JUN 2011	PROJECT NO 03886.529.004	SCALE AS SHOWN
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9 ECOLOGICAL RISK ASSESSMENT

AOC 64

AOC 64 is a former explosive ordnance disposal (EOD) burn area at Camp Stanley Storage Activity, Boerne, Texas. The area investigated is approximately two acres in size, located in the portion of the northeastern Cantonment Area known as SWMU Highway. The area was previously used for surface and subsurface demilitarization and disposal of spent munitions debris. Spent rocket motors, spent aerial illumination flare assemblies, and spent trip-mine flare bodies have been identified in the area. Underlying bedrock at the site (ranging from just below the surface to a depth of approximately 6 feet bgs) restricted the depth of the buried debris.

Based on visual observations of munitions debris present at the site and on analytical results for soil samples collected during COC nature and extent investigations conducted in March and June 2007, an IRA was conducted from November 2008 through January 2009. Post-removal confirmation samples were collected from excavation sidewalls and excavation floor materials to determine COC concentrations remaining in place at the site. Follow up confirmation sampling was conducted in February and April 2011 to characterize conditions at locations identified with COC concentrations exceeding benchmark values prior to the removals. Chemical concentrations in soil samples were compared to ecological benchmarks and Texas-Specific Soil Background Concentrations to assess the potential for adverse impact to ecological receptors. A delineation of areas excavated during the IRA and sample locations representing current site conditions AOC 64 that were used for the ecological risk assessment review are provided on Figure 9-1. Based on results from laboratory analysis, no risk to ecological receptors is expected for AOC 64.

SITE INVESTIGATION – AOC 64

The field investigation at AOC 64 was performed in two phases. In 2007, a total of 45 shallow surface (0.0-0.5 feet bgs) and subsurface soil (greater than 0.5 feet bgs) samples were collected from the approximate 2-acre area. Samples were analyzed for perchlorate, explosives, metals, SVOCs, and VOCs. The results from this initial field investigation indicated concentrations of

four metals (copper, lead, mercury and zinc) in soil above ecological screening benchmark concentrations. VOCs and SVOCs detected at or above the laboratory reporting limit included:

VOCs: 1,2,4-trimethylbenzene, benzene, ethylbenzene, naphthalene, toluene, p-isopropyltoluene, tetrachloroethene, m,p-xylene, and o-xylene.

SVOCs: 1,2,4-trichlorobenzene, 2,4-dinitrotoluene, dibenzofuran, diethyl phthalate, di-n-butyl phthalate, benzo(b)fluoranthene, bis(2-ethylhexyl)phthalate, and n-nitrosodiphenylamine.

All of the detected VOC and SVOC constituents were below human health Tier 1 PCLs with the exception of benzene and 2,4-dinitrotoluene. No perchlorate or explosives constituents were detected in any samples. None of the detected organic COCs, or SQLs for non-detected organic constituents, exceeded established ecological screening benchmark values. A summary of all samples collected and COCs exceeding ecological risk screening benchmark values is provided as Table 9A-1.

In November 2008 through January 2009, an IRA was performed at AOC 64 as a response action to remove munitions debris and soils impacted with metals above TRRP human health PCLs. In addition, the removal action was conducted to address potential ecological risk presented by impacted soils at a depth of less than one foot bgs. The top 0.0 to 1.0 foot of soil was removed from all locations with COCs exceeding ecological benchmark values (approximately 1 acre in size). Buried munitions debris, metal scrap, and other general refuse were removed from three former disposal trenches/pits to depths ranging from 4.0 to 6.0 feet bgs.

After the soil was removed, soil samples were collected from a total of 58 sample locations varying in depth from surface (0-6 inches) to 11.5 feet bgs from November 2008 to June 2009. Samples were generally analyzed for the same chemicals as the pre-response action samples other than perchlorate (i.e., metals, VOCs, SVOCs, explosives). In some cases, post-removal samples indicated certain COC concentrations exceeded human health PCLs or ecological risk benchmark screening values at a particular sample location. For these locations, follow on sampling (i.e., following additional excavation) was limited to those analytes exceeding these critical values in initial samples. All excavated areas were resurfaced with clean fill to match the

surrounding grade. A summary of fill material sampling and analysis results is presented in Appendix 11.

Follow up confirmation sampling in February and April 2011 was limited to characterization of barium, mercury, and zinc in a total of nine samples collected from eight locations. The results from the IRA confirmation sampling, combined with results for sample locations at AOC 64 not removed during the IRA, represent the current conditions on the site. Table 4D-1 of this APAR presents a comprehensive summary of pre-removal COC concentrations as well as chemicals remaining in soils at AOC 64. The extent of surface and subsurface excavations conducted during the removal action, the locations of initial characterization samples still in place (i.e., not removed during the IRA), post-IRA confirmation samples, and the location of subsurface soil samples (depth of 0.5 to 5.0 feet bgs) with COCs exceeding ecological risk screening benchmark values are presented on Figure 9-1.

COC SCREENING – AOC 64

Chemical concentrations reported in soil samples that represent the current site conditions (post response action) to a depth of 5.0 feet bgs were compared to ecological screening benchmarks. No explosives or perchlorate were reported above the laboratory reporting limit. No SVOCs or VOCs were reported above the ecological screening benchmark at any sample depth. All constituent reporting limits were below the associated ecological screening benchmark.

Reported metal concentrations for surface soil (0 to 0.5 feet bgs) remaining after the IRA were compared to the ecological screening benchmarks and site-specific background concentrations. A single sample location, AOC64-P18, along the northern boundary of the excavation, displayed barium above the ecological benchmark value (reported concentration of 1,110 mg/kg compared to benchmark value of 330 mg/kg). Similarly, a single sample location located along the southwest border of the site, AOC64-P22, contained mercury above the ecological risk screening benchmark value (reported concentration of 2.00 mg/kg compared to the benchmark value of 0.77 mg/kg).

Four other sample locations at a depth of greater than 0.5 feet but less than 5.0 feet were identified with barium concentrations exceeding its benchmark value of 300 mg/kg. All other site COC concentrations at depths 0.0-5.0 feet are less than their respective benchmark values. The area including AOC64-P18 was not excavated during the IRA due to the presence of an immediately adjacent mature oak tree left intact. All other affected areas were excavated and backfilled with “clean” soil to a minimum depth of 0.5 feet bgs.

Typically, ecologically active soil is considered 0-0.5 feet below ground surface. Deeper soil may affect ecological receptors with burrowing behavior. The two locations with metals reported above the benchmark in surface soil (one each for barium and mercury), and the small areas of affected subsurface soil discussed in the following sections are not considered to be a risk to ecological receptors at the site. Reported metal concentrations in subsurface sample locations (0.5-5.0 feet bgs) were also compared to ecological screening benchmarks. All COCs determined to exceed the benchmark values are presented in Table 9-1 below.

Table 9-1 Summary of Remaining Site AOC 64 COCs Exceeding Ecological Risk Benchmark Screening Values 0.0 to 5.0 feet bgs				
COC	Location	Depth	Reported Concentration (mg/kg)	Ecological Risk Screening Benchmark Value (mg/kg)
Barium	AOC64-F4	1.5-2.5	790	330
Barium	AOC64-P7	1.0-1.5	455	330
Barium	AOC64-P18	0.0-0.5	1110	330
Barium	AOC64-SW12	0.5-1.0	491	330
Barium	AOC64-SW18	2.0-2.5	859	330
Mercury	AOC64-P22	0-0.5	2.00	0.77

These COCs were not reported in any other surface (0.0-0.5 feet bgs) or subsurface (0.5-5.0 feet) sample locations at concentrations greater than the ecological screening benchmark.

All other metals in all other sample locations not excavated during the IRA at AOC 64 were reported at concentrations less than the ecological benchmark and/or the site-specific background

concentration. Other than at AOC64-P18 and AOC64-P22, each of the locations with COCs exceeding benchmark screening values was covered with a minimum of 6 inches of clean fill and re-established with vegetative cover during site restoration activities conducted at the end of the IRA.

The subsurface sample locations with barium reported above ecological benchmarks represent less than 8% of the total number of samples collected from locations still in place within the approximately 2-acre project area (total of 67 samples, including 4 field duplicate samples). The one location with mercury concentrations above its ecological risk benchmark represents 2% of the total number of samples collected from locations still in place (total of 54 samples, including 4 field duplicate samples).

RISK EVALUATION – AOC 64

Approximately half of the 2-acre site was excavated to a minimum of 0.5 feet bgs. The excavation was backfilled with clean soil material (see Appendix 11 for summary of backfill analytical results). With the exception of one sample location each where barium and mercury were reported above the ecological screening benchmark, surface soils do not contain metals at concentrations above the ecological screening benchmark.

Barium is relatively abundant in the earth's crust and is found in most soils at concentrations ranging from about 15 to 3,500 ppm (dry weight) and mean values ranging between 265 and 835 ppm, depending on soil type (USEPA 1995a; Kabata-Pendias and Pendias 1984; Lide 2005; Zenz et al. 1994 as reported in ATSDR 2007). Barium samples for the above study were collected from areas not expected to be affected by industry, roads, etc. Barium is not considered to be bioaccumulative by TCEQ and has relatively low toxicity in soil. In soil, barium is likely to combine with other particles and is not typically mobile. Barium tends to become more mobile due to increased solubility in acidic conditions (USEPA 1984). However, because soils at CSSA were derived from native limestone bedrock, they are typically low in pH. Based on these conditions, increased solubility due to acidic conditions is unlikely. The amount of barium bioconcentrated by plants is considered to be small when compared to the amount found in soil (Schroeder 1970). All concentrations of barium reported in the soil remaining in

place at AOC 64 are within the range of mean values reported in soil within the United States. Based on the concentrations reported in the soil at AOC 64, barium is not expected to be toxic or pose a risk to ecological receptors.

Additional site characteristics influencing potential risk to ecological receptors include the following:

- Horizontal extent of all COCs exceeding ecological risk screening benchmark values is provided by the following perimeter samples locations: AOC64-P1 to the north, AOC64-P2 to the northeast, AOC64-P4 to the east, AOC64-P11 and AOC64-P6 to the south, AOC64-P23 to the southwest, AOC64-P14 and AOC64-P21 to the west, AOC64-P9 and AOC64-A9 to the northwest, and AOC64-P10 to the northwest.
- Mercury at AOC64-P22 (0.0-0.5 feet bgs) exceeds the ecological risk screening benchmark value (Camp Stanley background) of 0.77 mg/kg. Results for a deeper sample collected from AOC64-P22 (1.0-1.5 feet bgs) were within the range of expected background concentrations. Based on their distance away from known COC source areas at the site, as well as their values being within the expected range of background concentrations used in the APA, J-flagged mercury concentrations at AOC64-P4 (0.0-0.5 feet bgs), AOC64-P9 (0.0-0.5 feet bgs), AOC64-P11 (0.0-0.5 feet bgs), and AOC64-P18 (0.0-0.5 feet bgs) were considered to be appropriate for characterizing potential risk from mercury at their respective locations.
- Barium COC concentrations at AOC64-P7, AOC64-SW12, AOC64-SW18, and AOC64-F4 are associated with the samples' proximity to a former source area. It can be assumed that COC concentrations will rapidly decrease in the soil profile with distance away from the area excavated.
- With the exception of barium at AOC64-P18 and mercury at AOC64-P22, chemical concentrations in presently existing surface soil (i.e., 0.0-0.5 feet bgs) at AOC 64 are all less than the corresponding ecological benchmarks, therefore, all ecological receptors other than burrowing species on the site are only expected to be exposed to the clean backfill material.

In consideration of these conditions, no COCs remaining in place at the site are expected to be toxic or pose a significant risk to ecological receptors on the site.

SUMMARY AND CONCLUSIONS – AOC 64

Analytical data for soil samples collected from AOC 64 were evaluated for potential risk to ecological receptors. A summary of the evaluation is as follows:

- IRA activities were conducted from December 2008 to January 2009 to remove affected surface soil (0-0.5 feet bgs), as well as soil impacted with site COCs exceeding human health PCLs to depths of up to 6 feet bgs, from an area of approximately 1.0 acres of AOC 64.
- Clean fill was used to replace the removed soil at the surface.

Based on laboratory analysis of soils remaining on the property, metals present at concentrations reported in the soil are not expected to pose a risk to ecological receptors from soil at AOC64. Significant risk to ecological receptors is not expected based on the following:

- One barium concentration of 1,110 mg/kg exceeding the ecological screening benchmark is identified in currently present (i.e., post-IRA) surface soil at depth of less than 0.5 bgs.
- Results from four soil samples collected from depths between 0.5 and 5.0 feet bgs exceeded the ecological benchmark for barium at concentrations ranging from 491 to 859 mg/kg.
- Barium concentrations reported in the soil are within the range of typical concentrations found in soil and is not expected to be affected by industry, roads or development.
- The area of potentially affected soil is restricted to approximately 200 square feet in the center of the site. This area was sparsely vegetated before site work began. The addition of clean fill and above average rainfall has re-vegetated the site since IRA work was completed. Even with this new growth, the excavated footprint provides the least preferential habitat in the area of AOC 64.
- Based on samples still in place at a depth of 0.0-0.5 feet bgs, the 95% upper confidence limit (UCL) calculated for barium concentrations at AOC 64 is 120 mg/kg, which is

within the range of expected background concentrations and less than the ecological screening benchmark (330 mg/kg). Accordingly, barium at the site is not expected to pose a risk to ecological receptors. Based on their distance away from known COC source areas at the site, as well as their values being within the expected range of background concentrations used in the APA, the determination of the 95% UCL assumed estimated (M-flagged) concentrations at AOC64-P1 and AOC64-P22 were present at their reported value. Non-detect results were assumed to be present at the reporting limit.

- The single reported value of mercury above the ecological risk screening benchmark value in soils 0.0 to 5.0 feet bgs is delineated by the surface soil area addressed during the IRA (i.e., the area with soil removed from 0.5 to 1.0 feet bgs) and by AOC64-P23 in the off-site direction. The relatively limited area of the site potentially exhibiting mercury concentrations above the benchmark value is not expected to present a threat to ecological receptors.
- Ecological receptors at the site are expected to include only surface dwelling species with the possible exception of the armadillo. Burrowing species such as the armadillo can come into contact with subsurface soil, however, these species are not expected to be present in the area of the affected soil due to lack of suitable vegetative cover or foraging and burrowing habitat.
- AOC 64 is within the 500 meter buffer zone of a confirmed Golden-Cheeked Warbler sitting in 2009.

Based on the above information, risk to ecological receptors from chemical concentrations in the soil of AOC 64 is not expected to be significant. Therefore, hazard quotient analyses and the development of ecological PCLs is not necessary for the protection of wildlife species in the AOC64 area.

SWMU B-71

SWMU B-71 is a former small arms ammunition (SAA) and EOD area at Camp Stanley Storage Activity, Boerne, Texas. SWMU B-71 is approximately two acres, located in the north-central

Inner Cantonment Area adjacent to North Outer Road. The area was previously used for surface and subsurface disposal of spent munitions debris. Spent SAA bullets and casings, electronics debris, and general scrap metal refuse were present at the site prior to removal actions conducted in November 2008 through January 2009. Underlying bedrock at the site (approximately 4-10 feet bgs) restricted the depth of buried debris.

Based on visual observations of munitions debris present at the site and on analytical results for soil samples collected during COC nature and extent investigations conducted in March and June 2007, an IRA was conducted from November 2008 through January 2009. Post-removal confirmation samples were collected from excavation sidewalls and excavation floor materials to determine COC concentrations remaining in place at the site. All excavated areas were resurfaced with clean fill to match the surrounding grade. A summary of fill material sampling and analysis results is presented in Appendix 11.

Follow up confirmation sampling was conducted in February 2011 to characterize conditions at locations identified with COC concentrations exceeding benchmark values prior to the removals and at one IRA sidewall sample location with results indicating the potential for exceeding benchmark values at a depth of less than 5.0 feet. Remaining chemical concentrations in soil samples were compared to ecological benchmarks and Texas-State Median background concentrations to assess the potential for adverse impact to ecological receptors. A delineation of areas excavated during the IRA and sample locations remaining in place at SWMU B-71 that were used for the ecological risk assessment review are provided on Figure 9-2. Based on results from laboratory analysis, no risk to ecological receptors is expected for SWMU B-71.

SITE INVESTIGATION – SWMU B-71

The field investigation at SWMU B-71 was performed in two phases. In 2007, a total of 55 shallow surface (0.0-0.5 feet bgs) and subsurface soil (greater than 0.5 feet bgs) samples were collected from the approximate 2-acre area. Samples were analyzed for explosives, metals, SVOCs, and VOCs. In addition, two samples collected from native soils underlying a buried cache of electronics equipment were tested for PCBs. The results from this initial field investigation indicated concentrations of five metals (chromium, copper, lead, nickel and zinc) in

soil above ecological screening benchmark concentrations. VOCs and SVOCs detected at or above the laboratory reporting limit included:

VOCs: benzene, ethylbenzene, naphthalene, toluene, and m,p-xylene.

SVOCs: 2-nitrophenol, benzo(b)fluoranthene, benzoic acid, bis(2-ethylhexyl)phthalate, diethyl phthalate, n-nitrosodiphenylamine, and phenanthrene.

All of the detected VOC and SVOC constituents were below human health Tier 1 PCLs with the exception of benzene and n-nitrosodiphenylamine. No explosives or PCBs constituents were detected in any samples. None of the detected organic COCs, or SQLs for non-detected organic constituents, exceeded established ecological screening benchmark values.

In November 2008 through January 2009, an IRA was performed at SWMU B-71 as a response action to remove munitions debris and soils impacted with metals above TRRP human health PCLs. In addition, the removal action was conducted to address potential ecological risk presented by impacted soils at a depth of less than one foot bgs. The top 0 to 1.0 foot of soil was removed from all locations with COCs exceeding ecological benchmark values (approximately 1 acre in size). Buried munitions debris, metal scrap, and other general refuse were removed from two former disposal trenches to depths ranging from 4.0 to 10.0 feet bgs.

After the soil was removed, soil samples were collected from a total of 31 sample locations varying in depth from surface (0-0.5 feet bgs) to 11.5 feet bgs from November 2008 to June 2009. An additional three samples from three locations were collected in February 2011 to confirm post-removal conditions in native soils still in place. Samples were analyzed for the same chemicals as the pre-response action samples other than PCBs (i.e., metals, VOCs, SVOCs, explosives). Not all samples were analyzed for all constituents, i.e., some samples were only tested for specific COCs pursuant to completing horizontal or vertical delineation of impacted media. All excavated areas were resurfaced with clean fill to match the surrounding grade.

The results from this sampling event combined with sample locations not addressed by the IRA represent the current conditions on the site. Table 4D-2 of this APAR presents a comprehensive summary of pre-removal COC concentrations as well as chemicals remaining in soils at

SWMU B-71. The extent of surface and subsurface excavations conducted during the November 2008 through January 2009 removal action, the locations of initial characterization samples and post-IRA soils remaining in place at the site, and the location of subsurface soil samples (0.5 to 5.0 feet bgs) with COCs exceeding ecological risk screening benchmark values are presented on Figure 9-2.

COC SCREENING – SWMU B-71

Chemical concentrations reported in soil samples that represent the current site conditions (post response action) were compared to ecological screening benchmarks. No explosives or PCBs were reported above the laboratory reporting limit. With the exception of zinc and lead at SWMUB71-P5, no metals, SVOCs, VOCs, or PCBs were reported above the ecological screening benchmark at any sample depth from 0.0-5.0 feet below ground surface. All constituent reporting limits were below their associated ecological screening benchmark.

Lead and zinc concentrations exceeding the ecological benchmark were identified in pre-IRA samples collected in 2007 at SWMUB71-P5, from a depth of 1.0 to 2.0 feet bgs. Lead was identified at 184 mg/kg and zinc at 153 mg/kg, compared to their ecological benchmark screening value of 120 mg/kg (the screening value is the same for both lead and zinc). A post IRA confirmation sample collected at SWMUB71-P5 in February 2011 from a depth of 1.0-1.25 feet bgs indicated lead and zinc concentrations of 43.1 and 37.2 mg/kg, respectively. Based on the low level of impact existing prior to the removal, and the follow up confirmation sampling results, lead and zinc concentrations left in place at SWMUB-71 are not considered to present a risk to ecological receptors.

RISK EVALUATION - SWMU B-71

No chemicals were reported in surface samples above the ecological screening benchmark after the response action was completed. The soil between 0 and 0.5 feet bgs is considered the ecological exposure pathway. Typically risk evaluation for ecological receptors is limited to this zone.

February 2011 lead and zinc results at SWMUB71-P5 (1.0-1.25) have been assumed to be representative of post-IRA conditions at that location. That is, laboratory results for those analytes collected in March and June 2007 from the interval of 1.0-2.0 feet bgs are assumed to be no longer present at the site although the precise depth of remedial excavations at that location can only be estimated to be between 0.5 and 1.0 feet bgs.

As a conservative measure, the pre-IRA March and June 2007 lead and zinc concentrations have been used to evaluate potential risk to ecological receptors at SWMUB71. Assuming these constituents are still present at the levels identified in 2007, the frequency of these single sample results exceeding benchmark values represent less than 3% of the total sample set for each of the COCs. Subsurface soil with chemical concentrations reported above the ecological benchmark is limited to one small area within a large area with more desirable habitat. Although subsurface sample locations are typically not part of a completed ecological exposure pathway, burrowing species can come into contact with subsurface soil. The primary burrowing species potentially present at the site is the armadillo.

The armadillo is an approximately 14 pound omnivorous mammal, with upperparts encased in a bony carapace. Armadillos primarily consume insects and other invertebrates, with the larval and adult scarab beetles being the most dominant. Armadillos dig in the soil in search of invertebrates for food. They also dig burrows of varying sizes to catch insects, for shelter and for nesting. Burrows can vary in size from 10 centimeters to several meters in lengths, with depth from a few centimeters to a meter in depth.

Because the armadillo feeds primarily by probing for insects, soil texture is an important factor in their distribution. In area where soils are easily dug, a greater population density of armadillos can be supported. Population densities range from a single armadillo every two acres, to one every 10 acres. In central Texas, the majority of their dens are along creek banks in the Edwards Plateau natural caves, cracks, and crevices among the limestone outcroppings, excavated burrows are few in number and usually shallow. These species are assumed to be generally not present in the area of the affected soil due to lack of suitable vegetative cover or foraging and burrowing habitat.

Horizontal extent of COCs found at SWMUB71-P5 is defined by SWMUB71-SW12 to the north, SWMUB71-P4 to the east, SWMUB71-P12 to the south, and SWMUB71-P6 to the west. In consideration of these conditions, no COCs remaining in place at the site are expected to be toxic or pose a significant risk to ecological receptors on the site.

SUMMARY AND CONCLUSIONS

Analytical data for soil samples collected from SWMU B-71 were evaluated for potential risk to ecological receptors. A summary of the evaluation is as follows:

- Soil removal activities were conducted from December 2008 to January 2009 to remove affected surface soil (0.0-1.0 feet bgs) from approximately 1 acre of SWMU B-71. Subsurface soil to a depth ranging from 4 to 10 feet bgs was removed from approximately 0.2 acres of the site.
- Clean fill was used to replace affected soil removed at the surface and subsurface during the IRA.
- Up to 49 (total number of samples varies by constituent) initial assessment and remedial excavation confirmation samples were collected at locations within SWMU B-71 that are still in place (i.e., not removed during the IRA) at a depth of 5 feet bgs or less.
- No chemicals were reported above the ecological screening benchmarks in the post excavation surface soil samples (0.0-0.5 feet bgs).
- Although not indicated in post-removal confirmation sampling, lead and zinc have been assumed to be present in one subsurface sample location above the ecological benchmark, representing less than 3% of the total number of samples collected from sample locations for soil remaining in place at SWMU B-71.
- No other chemicals exceeded the benchmark (i.e., reported concentrations or SQLs for non detected constituents) in any sample location representing depths less than or equal to 5 feet bgs.
- All other lead and zinc, and copper concentrations were reported well below the ecological benchmark.

- Only one lead result for samples collected at a depth of 5 feet bgs or less were reported above the Camp Stanley background concentration.

Based on laboratory analysis of soils remaining on the property, no chemicals are expected to pose a risk to ecological receptors from soil at SWMU B-71. Significant risk to ecological receptors is not expected based on the following:

- Lack of exposure above the background concentration and ecological benchmark based on no samples within the surface soil pathway and only three or less subsurface samples (less than 3% of total samples collected) exceeding the applicable benchmark.
- The area of potentially affected subsurface soil is restricted to an area that is vegetated with grass cover that provides the least preferential habitat in the area of SWMU B-71 for burrowing species anticipated to potentially be present in the area of Camp Stanley (i.e., the armadillo).
- Based on ecological surveys conducted at CSSA in 2009, no endangered species are expected to be present at SWMU B-71.

Based on the above information, risk to ecological receptors from chemical concentrations in the soil of SWMU B-71 is not expected to be significant. Therefore, hazard quotient analyses and the development of ecological PCLs is not necessary for the protection of wildlife species in the SWMU B-71 area.

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Table 9A-1
Surface Soil Sample (0.0 - 5.0 feet) Ecological Screening: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analysis Group	Analyte	Maximum Reported Concentration (mg/kg)	Frequency of Detection	Ecological Screening Benchmark (mg/kg)	Metal Background (mg/kg)	Selected as COC
Chemicals with reported concentrations above the SQL						
Metals	Arsenic	6.8B	34 / 46 74%	18 ^a	19.6 ¹	no ^d
Metals	Barium	1110	64 / 64 100%	330 ^a	300 ²	yes
Metals	Cadmium	1.38J	22 / 50 44%	32 ^a	3.0 ¹	no ^c
Metals	Chromium	20.5M	42 / 46 91%	0.4 ^a	40.2 ¹	no ^c
Metals	Copper	16	44 / 46 96%	61 ^a	23.2 ¹	no ^{c,d}
Metals	Lead	34.2	41 / 46 89%	120 ^a	84.5 ¹	no ^{c,d}
Metals	Mercury	2.00	45 / 51 88%	0.1 ^a	0.77 ¹	yes
Metals	Nickel	15.7	42 / 46 91%	30 ^a	35.5 ¹	no ^{c,d}
Metals	Zinc	93.1	49 / 50 98%	120 ^a	73.2 ¹	no ^d
SVOC	Benzo(b)fluoranthene	0.0359J	3 / 42 7%	59800 ^b	---	no ^d
SVOC	bis(2-Ethylhexyl)phthalate	0.0488J	6 / 42 14%	925 ^b	---	no ^d
SVOC	Diethyl phthalate	0.348	4 / 42 10%	100 ^a	---	no ^d
SVOC	Di-N-Butyl phthalate	0.0195J	2 / 42 5%	200 ^a	---	no ^d
VOCs	1,2,4-Trimethylbenzene	0.0021J	3 / 42 7%	NE	---	no ^d
Explosives	2,4,6-Trinitrotoluene	0.0988U	1 / 42 2%	NE	---	no ^d
VOCs	Benzene	0.0188	26 / 46 57%	255 ^b	---	no ^d
VOCs	Ethylbenzene	0.00438J	22 / 42 52%	5160 ^b	---	no ^d
VOCs	m,p-Xylene	0.00575	18 / 42 43%	10000 ^b	---	no ^d
VOCs	Methyl Chloride	0.000536M	1 / 42 2%	10400 ^b	---	no ^d
VOCs	Naphthalene	0.192R	4 / 42 10%	99.4 ^b	---	no ^d
VOCs	o-Xylene	0.0028J	18 / 42 43%	10000 ^b	---	no ^d
VOCs	p-Isopropyltoluene	0.000186M	2 / 42 5%	NE	---	no ^d
VOCs	Styrene	0.131	3 / 42 7%	300 ^a	---	no ^d
VOCs	Tetrachloroethene	0.000222M	2 / 42 5%	9920 ^b	---	no ^d
VOCs	Toluene	0.0158	32 / 42 76%	200 ^a	---	no ^d
Chemicals not reported above the SQL in any sample location						
Explosive	1,3,5-Trinitrobenzene	0.0575U	0 / 42 0%	376 ^b	---	no ^e
Explosive	1,3-Dinitrobenzene	0.0334U	0 / 42 0%	655 ^b	---	no ^e
Explosive	2,4-Dinitrotoluene	0.0617U	0 / 42 0%	1280 ^b	---	no ^e
Explosive	2,6-Dinitrotoluene	0.113U	0 / 42 0%	32.8 ^b	---	no ^e
Explosive	2-Nitrotoluene	0.0337U	0 / 42 0%	NE	---	no ^e
Explosive	3-Nitrotoluene	0.112U	0 / 42 0%	NE	---	no ^e
Explosive	4-Nitrotoluene	0.0683U	0 / 42 0%	NE	---	no ^e

Table 9A-1
Surface Soil Sample (0.0 - 5.0 feet) Ecological Screening: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analysis Group	Analyte	Maximum Reported Concentration (mg/kg)	Frequency of Detection	Ecological Screening Benchmark (mg/kg)	Metal Background (mg/kg)	Selected as COC
Explosive	Cyclotetramethylenetetranitramine (HMX)	0.0489U	0 / 42 0%	NE	---	no ^e
Explosive	Nitrobenzene	0.0334U	0 / 42 0%	1310 ^b	---	no ^e
Explosive	Cyclotrimethylenetrinitramine (RDX)	0.0382U	0 / 42 0%	NE	---	no ^e
Explosive	Tetryl	0.152UR	0 / 42 0%	NE	---	no ^e
Perchlorate	Perchlorate	0.0102U	0 / 42 0%	NE	---	no ^e
SVOC	1,2,4-Trichlorobenzene	0.182U	0 / 42 0%	20 ^a	---	no ^e
SVOCs	1,2-Dichlorobenzene	0.182U	0 / 42 0%	2960 ^b	---	no ^e
SVOCs	1,3-Dichlorobenzene	0.182U	0 / 42 0%	37700 ^b	---	no ^e
SVOCs	1,4-Dichlorobenzene	0.182U	0 / 42 0%	20 ^a	---	no ^e
SVOCs	1-chloro-4-phenoxybenzene	0.00669U	0 / 42 0%	NE	---	no ^e
SVOCs	2,4,5-Trichlorophenol	0.0106U	0 / 42 0%	4 ^a	---	no ^e
SVOCs	2,4,6-Trichlorophenol	0.00879U	0 / 42 0%	10 ^a	---	no ^e
SVOCs	2,4-Dichlorophenol	0.0351U	0 / 42 0%	87500 ^b	---	no ^e
SVOCs	2,4-Dimethylphenol	0.087U	0 / 42 0%	10 ^b	---	no ^e
SVOCs	2,4-Dinitrophenol	0.123U	0 / 42 0%	20 ^a	---	no ^e
SVOC	2,4-Dinitrotoluene	0.04U	0 / 42 0%	1280 ^b	---	no ^e
SVOCs	2,6-Dinitrotoluene	0.0386U	0 / 42 0%	32.8 ^b	---	no ^e
SVOCs	2-Chloronaphthalene	0.0343U	0 / 42 0%	12.2 ^b	---	no ^e
SVOCs	2-Chlorophenol	0.0351U	0 / 42 0%	243 ^b	---	no ^e
SVOCs	2-Methylnaphthalene	0.0122U	0 / 42 0%	3240 ^b	---	no ^e
SVOCs	2-Methylphenol	0.0238U	0 / 42 0%	40400 ^b	---	no ^e
SVOCs	2-Nitroaniline	0.0107U	0 / 42 0%	74100 ^b	---	no ^e
SVOCs	2-Nitrophenol	0.0136U	0 / 42 0%	7 ^a	---	no ^e
SVOCs	3 & 4-Methylphenol (m, & p-Cresol)	0.0137U	0 / 42 0%	NE	---	no ^e
SVOCs	3,3-Dichlorobenzidine	0.114U	0 / 42 0%	646 ^b	---	no ^e
SVOCs	3-Nitroaniline	0.0431U	0 / 42 0%	3160 ^b	---	no ^e
SVOCs	4,6-Dinitro-2-methylphenol	0.113U	0 / 42 0%	144 ^b	---	no ^e
SVOCs	4-Bromophenyl phenyl ether	0.0174U	0 / 42 0%	NE	---	no ^e
SVOCs	4-Chloro-3-methylphenol	0.014U	0 / 42 0%	7950 ^b	---	no ^e
SVOCs	4-Chloroaniline	0.0578U	0 / 42 0%	1100 ^b	---	no ^e
SVOCs	4-Nitroaniline	0.0546U	0 / 42 0%	21900 ^b	---	no ^e
SVOCs	4-Nitrophenol	0.0407U	0 / 42 0%	7 ^a	---	no ^e
SVOCs	Acenaphthene	0.0113U	0 / 42 0%	20 ^a	---	no ^e
SVOCs	Acenaphthylene	0.0106U	0 / 42 0%	682000 ^b	---	no ^e

Table 9A-1
Surface Soil Sample (0.0 - 5.0 feet) Ecological Screening: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analysis Group	Analyte	Maximum Reported Concentration (mg/kg)	Frequency of Detection	Ecological Screening Benchmark (mg/kg)	Metal Background (mg/kg)	Selected as COC
SVOCs	Anthracene	0.00702U	0 / 42 0%	1480000 ^b	---	no ^e
SVOCs	Benzo(a)anthracene	0.00827U	0 / 42 0%	5210 ^b	---	no ^e
SVOCs	Benzo(a)pyrene	0.0256U	0 / 42 0%	1520 ^b	---	no ^e
SVOCs	Benzo(g,h,i)perylene	0.0378U	0 / 42 0%	119000 ^b	---	no ^e
SVOCs	Benzoic acid	0.218U	0 / 42 0%	NE	---	no ^e
SVOCs	Benzyl alcohol	0.0102U	0 / 42 0%	65800 ^b	---	no ^e
SVOCs	bis(2-Chloroethoxy)methane	0.0101U	0 / 42 0%	302 ^b	---	no ^e
SVOCs	bis(2-Chloroethyl)ether	0.157U	0 / 42 0%	23700 ^b	---	no ^e
SVOCs	bis(2-Chloroisopropyl)ether	0.0803U	0 / 42 0%	NE	---	no ^e
SVOCs	Butyl Benzyl Phthalate	0.0148U	0 / 42 0%	239 ^b	---	no ^e
SVOCs	Chrysene	0.0149U	0 / 42 0%	4730 ^b	---	no ^e
SVOCs	Dibenzo(a,h)anthracene	0.0436U	0 / 42 0%	18400 ^b	---	no ^e
SVOC	Dibenzofuran	0.00989U	0 / 42 0%	NE	---	no ^e
SVOCs	Dimethyl phthalate	0.0277U	0 / 42 0%	200 ^a	---	no ^e
SVOCs	Di-N-Octyl phthalate	0.0258U	0 / 42 0%	709000 ^b	---	no ^e
SVOCs	Fluoranthene	0.0124U	0 / 42 0%	122000 ^b	---	no ^e
SVOCs	Fluorene	0.00967U	0 / 42 0%	300 ^a	---	no ^e
SVOCs	Hexachlorobenzene	0.0136U	0 / 42 0%	199 ^b	---	no ^e
SVOCs	Hexachlorobutadiene	0.0743U	0 / 42 0%	39.8 ^b	---	no ^e
SVOCs	Hexachlorocyclopentadiene	0.0617U	0 / 42 0%	10 ^a	---	no ^e
SVOCs	Hexachloroethane	0.182U	0 / 42 0%	596 ^b	---	no ^e
SVOCs	Indeno(1,2,3-cd)pyrene	0.055U	0 / 42 0%	109000 ^b	---	no ^e
SVOCs	Isophorone	0.0106U	0 / 42 0%	139000 ^b	---	no ^e
SVOCs	Naphthalene	0.0901U	0 / 42 0%	99.4 ^b	---	no ^e
SVOCs	Nitrobenzene	0.0788U	0 / 42 0%	40 ^a	---	no ^e
SVOCs	N-Nitroso-di-N-propylamine	0.00746U	0 / 42 0%	544 ^b	---	no ^e
SVOC	N-Nitrosodiphenylamine	0.0154U	0 / 42 0%	20 ^a	---	no ^e
SVOCs	Pentachlorophenol	0.0415U	0 / 42 0%	5 ^a	---	no ^e
SVOCs	Phenanthrene	0.0085U	0 / 42 0%	45700 ^b	---	no ^e
SVOCs	Phenol	0.00981U	0 / 42 0%	30 ^a	---	no ^e
SVOCs	Pyrene	0.0218U	0 / 42 0%	78500 ^b	---	no ^e
VOCs	1,1,1,2-Tetrachloroethane	0.00765U	0 / 42 0%	225000 ^b	---	no ^e
VOCs	1,1,1-Trichloroethane	0.00438U	0 / 42 0%	29800 ^b	---	no ^e
VOCs	1,1,2,2-Tetrachloroethane	0.00857U	0 / 42 0%	127 ^b	---	no ^e

Table 9A-1
Surface Soil Sample (0.0 - 5.0 feet) Ecological Screening: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analysis Group	Analyte	Maximum Reported Concentration (mg/kg)	Frequency of Detection	Ecological Screening Benchmark (mg/kg)	Metal Background (mg/kg)	Selected as COC
VOCs	1,1,2-Trichloroethane	0.0111U	0 / 42 0%	28600 ^b	---	no ^e
VOCs	1,1-Dichloroethane	0.00596U	0 / 42 0%	20100 ^b	---	no ^e
VOCs	1,1-Dichloroethene	0.00766U	0 / 42 0%	8280 ^b	---	no ^e
VOCs	1,1-Dichloropropene	0.00885U	0 / 42 0%	NE	---	no ^e
VOCs	1,2,3-Trichlorobenzene	0.0311U	0 / 42 0%	20 ^a	---	no ^e
VOCs	1,2,3-Trichloropropane	0.00887UR	0 / 42 0%	3360 ^b	---	no ^e
VOCs	1,2,4-Trichlorobenzene	0.0234U	0 / 42 0%	20 ^a	---	no ^e
VOCs	1,2-Dibromo-3-chloropropane	0.0305U	0 / 42 0%	35.2 ^b	---	no ^e
VOCs	1,2-Dibromoethane	0.00886U	0 / 42 0%	1230 ^b	---	no ^e
VOCs	1,2-Dichlorobenzene	0.00917U	0 / 42 0%	2960 ^b	---	no ^e
VOCs	1,2-Dichloroethane	0.00858U	0 / 42 0%	21200 ^b	---	no ^e
VOCs	1,2-Dichloropropane	0.00979U	0 / 42 0%	700 ^a	---	no ^e
VOCs	1,3,5-Trimethylbenzene	0.00719U	0 / 42 0%	NE	---	no ^e
VOCs	1,3-Dichlorobenzene	0.00874U	0 / 42 0%	37700 ^b	---	no ^e
VOCs	1,3-Dichloropropane	0.0057U	0 / 42 0%	NE	---	no ^e
VOCs	1,4-Dichlorobenzene	0.0125U	0 / 42 0%	20 ^a	---	no ^e
VOCs	1-Chlorohexane	0.00964U	0 / 42 0%	NE	---	no ^e
VOCs	2,2-Dichloropropane	0.0112U	0 / 42 0%	NE	---	no ^e
VOCs	2-Chlorotoluene	0.00654U	0 / 42 0%	NE	---	no ^e
VOCs	4-Chlorotoluene	0.00947U	0 / 42 0%	NE	---	no ^e
VOCs	Bromobenzene	0.00987U	0 / 42 0%	NE	---	no ^e
VOCs	Bromochloromethane	0.0106U	0 / 42 0%	NE	---	no ^e
VOCs	Bromodichloromethane	0.00796U	0 / 42 0%	540 ^b	---	no ^e
VOCs	Bromoform	0.0835U	0 / 42 0%	15900 ^b	---	no ^e
VOCs	Carbon tetrachloride	0.00422U	0 / 42 0%	2980 ^b	---	no ^e
VOCs	Chlorobenzene	0.00802U	0 / 42 0%	40 ^a	---	no ^e
VOCs	Chloroethane	0.0286U	0 / 42 0%	NE	---	no ^e
VOCs	Chloroform	0.00496U	0 / 42 0%	1190 ^b	---	no ^e
VOCs	cis-1,2-Dichloroethene	0.00754U	0 / 42 0%	21200 ^b	---	no ^e
VOCs	cis-1,3-Dichloropropene	0.00559U	0 / 42 0%	398 ^b	---	no ^e
VOCs	Dibromochloromethane	0.0121U	0 / 42 0%	2050 ^b	---	no ^e
VOCs	Dibromomethane	0.0133U	0 / 42 0%	NE	---	no ^e
VOCs	Dichlorodifluoromethane	0.00703U	0 / 42 0%	38500 ^b	---	no ^e
VOCs	Hexachlorobutadiene	0.0743U	0 / 42 0%	39.8 ^b	---	no ^e

Table 9A-1
Surface Soil Sample (0.0 - 5.0 feet) Ecological Screening: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analysis Group	Analyte	Maximum Reported Concentration (mg/kg)	Frequency of Detection	Ecological Screening Benchmark (mg/kg)	Metal Background (mg/kg)	Selected as COC
VOCs	Isopropylbenzene	0.00927U	0 / 42 0%	NE	---	no ^e
VOCs	Methyl Bromide	0.0512U	0 / 42 0%	235 ^b	---	no ^e
VOCs	Methylene chloride	0.00695U	0 / 42 0%	10400 ^b	---	no ^e
VOCs	n-Butylbenzene	0.0131U	0 / 42 0%	NE	---	no ^e
VOCs	n-Propylbenzene	0.00729U	0 / 42 0%	NE	---	no ^e
VOCs	sec-Butylbenzene	0.00813U	0 / 42 0%	NE	---	no ^e
VOCs	tert-Butylbenzene	0.00997U	0 / 42 0%	NE	---	no ^e
VOCs	trans-1,2-Dichloroethene	0.00668U	0 / 42 0%	8280 ^b	---	no ^e
VOCs	trans-1,3-Dichloropropene	0.0061U	0 / 42 0%	398 ^b	---	no ^e
VOCs	Trichloroethene	0.0108U	0 / 42 0%	NE	---	no ^e
VOCs	Trichlorofluoromethane	0.0132U	0 / 42 0%	16400 ^b	---	no ^e
VOCs	Vinyl Chloride	0.00581U	0 / 42 0%	646 ^b	---	no ^e

Table 9A-1
Surface Soil Sample (0.0 - 5.0 feet) Ecological Screening: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Notes:

- a - TCEQ Ecological Screening Benchmarks
 - b - EPA Region 5 Ecological Screening Level
 - c - Chemical not selected as COC because maximum reported concentration is less than background.
 - d - Chemical not selected as COC because maximum reported concentration is less than the ecological screening benchmark.
 - e - Chemical not selected as COC because chemical was not reported above the laboratory reporting limit in any sample location.
- NE - Not Established. Ecological Screening benchmark was not found in available TCEQ and EPA resources.
- ¹ - Camp Stanley site-specific background concentration for surface soil
- ² - Texas State Median Concentration

Data Qualifier Legend

- J - estimated value
- U - constituent not detected at or above the method detection limit
- M - a matrix effect was present based on laboratory analytical QA/QC processes

Table 9A-2
Surface Soil Sample (0.0-5.0 feet) Ecological Screening: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analysis Group	Analyte	Maximum Reported Concentration (mg/kg)	Frequency of Detection	Ecological Screening Benchmark (mg/kg)	Metal Background (mg/kg)	Selected as COC
Chemicals with reported concentrations above the SQL						
Metals	Arsenic	11.9	41 / 45 91%	18 ^a	19.6 ¹	no ^e
Metals	Barium	209M	43 / 45 96%	330 ^a	300 ²	no ^c
Metals	Cadmium	1.04J	17 / 45 38%	32 ^a	3.0 ¹	no ^{c,d}
Metals	Chromium	28.5	45 / 45 100%	0.4 ^a	40.2 ¹	no ^c
Metals	Copper	43	47 / 47 100%	61 ^a	23.2 ¹	no
Metals	Lead	73.7M	49 / 49 100%	120 ^a	84.5 ¹	yes
Metals	Mercury	0.2	38 / 45 84%	0.1 ^a	0.77 ¹	no ^c
Metals	Nickel	21.7	50 / 45 111%	30 ^a	35.5 ¹	no ^e
Metals	Zinc	153J	48 / 48 100%	120 ^a	73.2 ¹	yes
SVOC	Benzo(b)fluoranthene	0.03J	4 / 42 10%	59800 ^b	---	no ^d
SVOC	Benzoic acid	0.215M	5 / 42 12%	NE	---	no ^d
SVOC	bis(2-Ethylhexyl)phthalate	0.491	4 / 42 10%	925 ^b	---	no ^d
SVOC	Diethyl phthalate	0.156J	9 / 42 21%	100 ^a	---	no ^d
SVOC	Di-N-Butyl phthalate	0.018J	1 / 42 2%	200 ^a	---	no ^d
SVOC	N-Nitrosodiphenylamine	2.3	3 / 43 7%	20 ^a	---	no ^d
SVOC	Phenanthrene	0.0172J	1 / 42 2%	45700 ^b	---	no ^d
VOCs	1,2,4-Trimethylbenzene	0.0019J	3 / 41 7%	NE	---	no ^d
VOCs	Benzene	0.0213J	26 / 44 59%	255 ^b	---	no ^d
VOCs	Ethylbenzene	0.00358	4 / 41 10%	5160 ^b	---	no ^d
VOCs	m,p-Xylene	0.00286J	4 / 41 10%	10000 ^b	---	no ^d
VOCs	Methyl Bromide	0.00316J	4 / 41 10%	235 ^b	---	no ^d
VOCs	Methyl Chloride	0.00231J	2 / 41 5%	10400 ^b	---	no ^d
VOCs	Naphthalene	0.00381J	5 / 41 12%	99.4 ^b	---	no ^d
VOCs	Toluene	0.0151J	22 / 41 54%	200 ^a	---	no ^d
Chemicals not reported above the SQL in any sample location						
Explosive	1,3,5-Trinitrobenzene	0.0682U	0 / 41 0%	376 ^b	---	no ^e
Explosive	1,3-Dinitrobenzene	0.0396U	0 / 41 0%	655 ^b	---	no ^e
Explosives	2,4,6-Trinitrotoluene	0.117U	0 / 41 0%	NE	---	no ^e
Explosive	2,4-Dinitrotoluene	0.0732U	0 / 41 0%	1280 ^b	---	no ^e
Explosive	2,6-Dinitrotoluene	0.134U	0 / 41 0%	32.8 ^b	---	no ^e
Explosive	2-Nitrotoluene	0.0399U	0 / 41 0%	NE	---	no ^e
Explosive	3-Nitrotoluene	0.133U	0 / 41 0%	NE	---	no ^e
Explosive	4-Nitrotoluene	0.0809U	0 / 41 0%	NE	---	no ^e
Explosive	HMX	0.0579U	0 / 41 0%	NE	---	no ^e
Explosive	Nitrobenzene	0.0396U	0 / 41 0%	1310 ^b	---	no ^e
Explosive	Perchlorate	0.00718-0.0102U	0 / 41 0%	NE	---	no ^e
Explosive	RDX	0.0615U	0 / 41 0%	NE	---	no ^e

Table 9A-2
Surface Soil Sample (0.0-5.0 feet) Ecological Screening: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analysis Group	Analyte	Maximum Reported Concentration (mg/kg)	Frequency of Detection	Ecological Screening Benchmark (mg/kg)	Metal Background (mg/kg)	Selected as COC
Explosive	Tetryl	0.18UR	0 / 41 0%	NE	---	no ^e
SVOCs	1,2,4-Trichlorobenzene	0.243U	0 / 42 0%	20 ^a	---	no ^e
SVOCs	1,2-Dichlorobenzene	0.243U	0 / 42 0%	2960 ^b	---	no ^e
SVOCs	1,3-Dichlorobenzene	0.243U	0 / 42 0%	37700 ^b	---	no ^e
SVOCs	1,4-Dichlorobenzene	0.243U	0 / 42 0%	20 ^a	---	no ^e
SVOCs	1-chloro-4-phenoxybenzene	0.00895U	0 / 42 0%	NE	---	no ^e
SVOCs	2,4,5-Trichlorophenol	0.012U	0 / 42 0%	4 ^a	---	no ^e
SVOCs	2,4,6-Trichlorophenol	0.0118U	0 / 42 0%	10 ^a	---	no ^e
SVOCs	2,4-Dichlorophenol	0.0399U	0 / 42 0%	87500 ^b	---	no ^e
SVOCs	2,4-Dimethylphenol	0.116U	0 / 42 0%	10 ^b	---	no ^e
SVOCs	2,4-Dinitrophenol	0.165U	0 / 42 0%	20 ^a	---	no ^e
SVOC	2,4-Dinitrotoluene	0.0535	0 / 42 0%	32.8 ^b	---	no ^e
SVOCs	2,6-Dinitrotoluene	0.0516U	0 / 42 0%	32 ^b	---	no ^e
SVOCs	2-Chloronaphthalene	0.0389U	0 / 42 0%	12.2 ^b	---	no ^e
SVOCs	2-Chlorophenol	0.0399U	0 / 42 0%	243 ^b	---	no ^e
SVOCs	2-Methylnaphthalene	0.0163U	0 / 42 0%	3240 ^b	---	no ^e
SVOCs	2-Methylphenol	0.027U	0 / 42 0%	40400 ^b	---	no ^e
SVOCs	2-Nitroaniline	0.0121U	0 / 42 0%	74100 ^b	---	no ^e
SVOC	2-Nitrophenol	0.0157U	0 / 42 0%	7 ^a	---	no ^e
SVOCs	3 & 4-Methylphenol (m, & p-Cresol)	0.016U	0 / 42 0%	NE	---	no ^e
SVOCs	3,3-Dichlorobenzidine	0.153U	0 / 42 0%	646 ^b	---	no ^e
SVOCs	3-Nitroaniline	0.0576U	0 / 42 0%	3160 ^b	---	no ^e
SVOCs	4,6-Dinitro-2-methylphenol	0.152U	0 / 42 0%	144 ^b	---	no ^e
SVOCs	4-Bromophenyl phenyl ether	0.0198U	0 / 42 0%	NE	---	no ^e
SVOCs	4-Chloro-3-methylphenol	0.016U	0 / 42 0%	7950 ^b	---	no ^e
SVOCs	4-Chloroaniline	0.0656U	0 / 42 0%	1100 ^b	---	no ^e
SVOCs	4-Nitroaniline	0.0621U	0 / 42 0%	21900 ^b	---	no ^e
SVOCs	4-Nitrophenol	0.0544U	0 / 42 0%	7 ^a	---	no ^e
SVOCs	Acenaphthene	0.0152U	0 / 42 0%	20 ^a	---	no ^e
SVOCs	Acenaphthylene	0.0141U	0 / 42 0%	682000 ^b	---	no ^e
SVOCs	Anthracene	0.00798U	0 / 42 0%	1480000 ^b	---	no ^e
SVOCs	Benzo(a)anthracene	0.0094U	0 / 42 0%	5210 ^b	---	no ^e
SVOCs	Benzo(a)pyrene	0.0343U	0 / 42 0%	1520 ^b	---	no ^e
SVOCs	Benzo(g,h,i)perylene	0.043U	0 / 42 0%	119000 ^b	---	no ^e
SVOCs	Benzyl alcohol	0.0137U	0 / 42 0%	65800 ^b	---	no ^e
SVOCs	bis(2-Chloroethoxy)methane	0.0135U	0 / 42 0%	302 ^b	---	no ^e
SVOCs	bis(2-Chloroethyl)ether	0.21U	0 / 42 0%	23700 ^b	---	no ^e
SVOCs	bis(2-Chloroisopropyl)ether	0.107U	0 / 42 0%	NE	---	no ^e

Table 9A-2
Surface Soil Sample (0.0-5.0 feet) Ecological Screening: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analysis Group	Analyte	Maximum Reported Concentration (mg/kg)	Frequency of Detection	Ecological Screening Benchmark (mg/kg)	Metal Background (mg/kg)	Selected as COC
SVOCs	bis(2-Ethylhexyl)phthalate	0.0335U	0 / 42 0%	925 ^b	---	no ^e
SVOCs	Butyl Benzyl Phthalate	0.198U	0 / 42 0%	239 ^b	---	no ^e
SVOCs	Chrysene	0.0169U	0 / 42 0%	4730 ^b	---	no ^e
SVOCs	Dibenzo(a,h)anthracene	0.0496U	0 / 42 0%	18400 ^b	---	no ^e
SVOCs	Dibenzofuran	0.0132U	0 / 42 0%	NE	---	no ^e
SVOCs	Dimethyl phthalate	0.0315U	0 / 42 0%	200 ^a	---	no ^e
SVOCs	Di-N-Octyl phthalate	0.0346U	0 / 42 0%	709000 ^b	---	no ^e
SVOCs	Fluoranthene	0.0141U	0 / 42 0%	122000 ^b	---	no ^e
SVOCs	Fluorene	0.0129U	0 / 42 0%	300 ^a	---	no ^e
SVOCs	Hexachlorobenzene	0.0155U	0 / 42 0%	199 ^b	---	no ^e
SVOCs	Hexachlorobutadiene	0.0994U	0 / 42 0%	39.8 ^b	---	no ^e
SVOCs	Hexachlorocyclopentadiene	0.0825U	0 / 42 0%	10 ^a	---	no ^e
SVOCs	Hexachloroethane	0.243U	0 / 42 0%	596 ^b	---	no ^e
SVOCs	Indeno(1,2,3-cd)pyrene	0.0736U	0 / 42 0%	109000 ^b	---	no ^e
SVOCs	Isophorone	0.0141U	0 / 42 0%	139000 ^b	---	no ^e
SVOCs	Naphthalene	0.121U	0 / 42 0%	99.4 ^b	---	no ^e
SVOCs	Nitrobenzene	0.105U	0 / 42 0%	40 ^a	---	no ^e
SVOCs	N-Nitroso-di-N-propylamine	0.0195U	0 / 42 0%	544 ^b	---	no ^e
SVOCs	Pentachlorophenol	0.0471U	0 / 42 0%	5 ^a	---	no ^e
SVOCs	Phenol	0.0131U	0 / 42 0%	30 ^a	---	no ^e
SVOCs	Pyrene	0.0248U	0 / 42 0%	78500 ^b	---	no ^e
VOCs	1,1,1,2-Tetrachloroethane	0.000349U	0 / 41 0%	225000 ^b	---	no ^e
VOCs	1,1,1-Trichloroethane	0.0002U	0 / 41 0%	29800 ^b	---	no ^e
VOCs	1,1,2,2-Tetrachloroethane	0.00899U	0 / 41 0%	127 ^b	---	no ^e
VOCs	1,1,2-Trichloroethane	0.000505U	0 / 41 0%	28600 ^b	---	no ^e
VOCs	1,1-Dichloroethane	0.000272U	0 / 41 0%	20100 ^b	---	no ^e
VOCs	1,1-Dichloroethene	0.000498U	0 / 41 0%	8280 ^b	---	no ^e
VOCs	1,1-Dichloropropene	0.000404U	0 / 41 0%	NE	---	no ^e
VOCs	1,2,3-Trichlorobenzene	0.0118U	0 / 41 0%	20 ^a	---	no ^e
VOCs	1,2,3-Trichloropropane	0.0122U	0 / 41 0%	3360 ^b	---	no ^e
VOCs	1,2,4-Trichlorobenzene	0.0163U	0 / 41 0%	20 ^a	---	no ^e
VOCs	1,2-Dibromo-3-chloropropane	0.0432U	0 / 41 0%	35.2 ^b	---	no ^e
VOCs	1,2-Dibromoethane	0.000405U	0 / 41 0%	1230 ^b	---	no ^e
VOCs	1,2-Dichlorobenzene	0.00569U	0 / 41 0%	2960 ^b	---	no ^e
VOCs	1,2-Dichloroethane	0.000392U	0 / 41 0%	21200 ^b	---	no ^e
VOCs	1,2-Dichloropropane	0.000447U	0 / 41 0%	700 ^a	---	no ^e
VOCs	1,3,5-Trimethylbenzene	0.00814U	0 / 41 0%	NE	---	no ^e
VOCs	1,3-Dichlorobenzene	0.0118U	0 / 41 0%	37700 ^b	---	no ^e

Table 9A-2
Surface Soil Sample (0.0-5.0 feet) Ecological Screening: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Analysis Group	Analyte	Maximum Reported Concentration (mg/kg)	Frequency of Detection	Ecological Screening Benchmark (mg/kg)	Metal Background (mg/kg)	Selected as COC
VOCs	1,3-Dichloropropane	0.00026	0 / 41 0%	NE	---	no ^e
VOCs	1,4-Dichlorobenzene	0.021U	0 / 41 0%	20 ^a	---	no ^e
VOCs	1-Chlorohexane	0.00044U	2 / 41 5%	NE	---	no ^e
VOCs	2,2-Dichloropropane	0.000509UR	0 / 41 0%	NE	---	no ^e
VOCs	2-Chlorotoluene	0.00749U	0 / 41 0%	NE	---	no ^e
VOCs	4-Chlorotoluene	0.0162U	0 / 41 0%	NE	---	no ^e
VOCs	Bromobenzene	0.0117U	0 / 41 0%	NE	---	no ^e
VOCs	Bromochloromethane	0.000486U	0 / 41 0%	NE	---	no ^e
VOCs	Bromodichloromethane	0.000363U	0 / 41 0%	540 ^b	---	no ^e
VOCs	Bromoform	0.00381U	0 / 41 0%	15900 ^b	---	no ^e
VOCs	Carbon tetrachloride	0.000193U	0 / 41 0%	2980 ^b	---	no ^e
VOCs	Chlorobenzene	0.000366U	0 / 41 0%	40 ^a	---	no ^e
VOCs	Chloroethane	0.00131U	0 / 41 0%	NE	---	no ^e
VOCs	Chloroform	0.000226U	0 / 41 0%	1190 ^b	---	no ^e
VOCs	cis-1,2-Dichloroethene	0.000344U	0 / 41 0%	21200 ^b	---	no ^e
VOCs	cis-1,3-Dichloropropene	0.000255U	0 / 41 0%	398 ^b	---	no ^e
VOCs	Dibromochloromethane	0.000552U	0 / 41 0%	2050 ^b	---	no ^e
VOCs	Dibromomethane	0.000608U	0 / 41 0%	NE	---	no ^e
VOCs	Dichlorodifluoromethane	0.000505U	0 / 41 0%	38500 ^b	---	no ^e
VOCs	Hexachlorobutadiene	0.0621UR	0 / 41 0%	39.8 ^b	---	no ^e
VOCs	Isopropylbenzene	0.000423U	0 / 41 0%	NE	---	no ^e
VOCs	Methylene Chloride	0.000665U	0 / 41 0%	4050 ^b	---	no ^e
VOCs	n-Butylbenzene	0.00889U	0 / 41 0%	NE	---	no ^e
VOCs	n-Propylbenzene	0.00699U	0 / 41 0%	NE	---	no ^e
VOCs	p-Isopropyltoluene	0.00804U	0 / 41 0%	NE	---	no ^e
VOCs	sec-Butylbenzene	0.00584U	0 / 41 0%	NE	---	no ^e
VOCs	Styrene	0.000394U	0 / 41 0%	300 ^a	---	no ^e
VOCs	tert-Butylbenzene	0.0126U	0 / 41 0%	NE	---	no ^e
VOCs	trans-1,2-Dichloroethene	0.000305U	0 / 41 0%	8280 ^b	---	no ^e
VOCs	trans-1,3-Dichloropropene	0.000278U	0 / 41 0%	398 ^b	---	no ^e
VOCs	Tetrachloroethene	0.000207U	0 / 41 0%	9920 ^b	---	no ^e
VOCs	Trichloroethene	0.000493U	0 / 41 0%	NE	---	no ^e
VOCs	Trichlorofluoromethane	0.000601U	0 / 41 0%	16400 ^b	---	no ^e
VOCs	o-Xylene	0.000373U	0 / 41 0%	10000 ^b	---	no ^e
VOCs	Vinyl Chloride	0.000487U	0 / 41 0%	646 ^b	---	no ^e

Table 9A-2
Surface Soil Sample (0.0-5.0 feet) Ecological Screening: SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Notes:

a - TCEQ Ecological Screening Benchmarks

b - EPA Region 5 Ecological Screening Level

c - Chemical not selected as COC because maximum reported concentration is less than site specific background

d - Chemical not selected as COC because maximum reported concentration is less than the ecological screening benchmark.

e - Chemical not selected as COC because chemical was not reported above the laboratory reporting limit in any sample location.

NE - Not Established. Ecological Screening benchmark was not found in available TCEQ and EPA resources.

NE - Not Established. Ecological Screening benchmark was not found in available TCEQ and EPA resources.

¹ - Camp Stanley site specific background concentration

² - Texas State Median Concentration

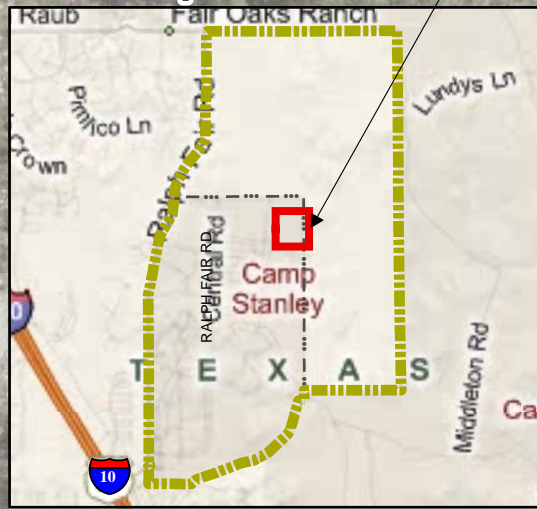
Data Qualifier Legend

J - estimated value

U - constituent not detected at or above the method detection limit

M - a matrix effect was present based on laboratory analytical QA/QC processes

Site Map Locator



Legend

- Soil sample location with COC concentrations below TRRP human health PCLs but above TCEQ ecological risk screening benchmark values
 - Soil sample locations with COC concentrations below TRRP human health PCLs and below TCEQ ecological risk screening benchmark values.
 - Areas Excavated > 1 ft below ground surface (bgs)
 - Areas Excavated 0.5-1.0 ft bgs
 - AOC 64 Investigation Area
- COC - chemical of concern
PCL - protective concentration level
TRRP - Texas Risk Reduction Program
TCEQ - Texas Commission on Environmental Quality

Note:
Only sample locations from the APA at a depth of 5 ft bgs or less are presented on this figure for evaluation.

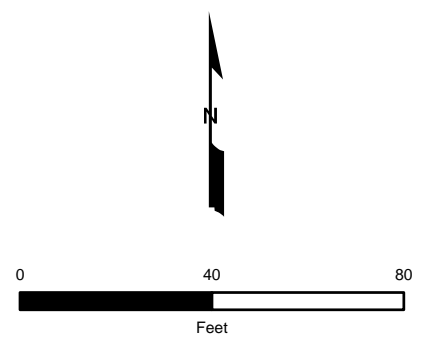


Figure 9-1
Ecological Risk Assessment Map: AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, Texas

AOC64-P7 0.0-0.5 6/23/2009		
Analyte	Eco Risk Screening Benchmark Value (mg/kg)	Concentration (mg/kg)
Barium	330	455

AOC64-P22 0.0-0.5 2/10/2011		
Analyte	Eco Risk Screening Benchmark Value (mg/kg)	Concentration (mg/kg)
Mercury	0.77	2.00

AOC64-SW18 2.0-2.5 12/15/2008		
Analyte	Eco Risk Screening Benchmark Value (mg/kg)	Concentration (mg/kg)
Barium	330	859

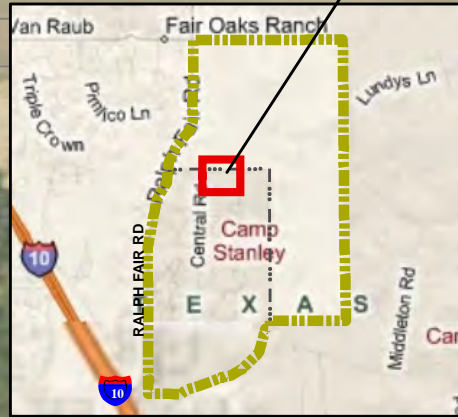
AOC64-F4 1.5-2.5 12/17/2008		
Analyte	Eco Risk Screening Benchmark Value (mg/kg)	Concentration (mg/kg)
Barium	330	790

AOC64-P18 0.0-0.5 1/21/2009		
Analyte	Eco Risk Screening Benchmark Value (mg/kg)	Concentration (mg/kg)
Barium	330	1110

AOC64-SW12 0.5-1.0 12/15/2008		
Analyte	Eco Risk Screening Benchmark Value (mg/kg)	Concentration (mg/kg)
Barium	330	491

DATE	PROJECT NO	SCALE
JUN 2011	03886.529.001.0460	AS SHOWN

Site Map Locator



N OUTER DR

Legend

- Soil Sample Locations with COC Concentrations below TRRP human health PCLs and below TCEQ ecological risk screening benchmark values
- Areas Excavated > 1 ft below ground surface (bgs)
- Areas Excavated 0.5-1.0 ft bgs
- SWMU B-71 Investigation Area

COC - chemical of concern
 PCL - protective concentration level
 TRRP - Texas Risk Reduction Program
 TCEQ - Texas Commission on Environmental Quality

Note:
 Other than for excavation sidewall samples ("SW" designation), only sample locations at a depth of 5 feet bgs or less are presented for evaluation of potential ecological risk. Excavation sidewall samples are presented regardless of depth.

Areas with Munitions Debris and COCs at the Ground Surface Addressed by Removal Actions

Areas of Buried Munitions Debris Addressed by Removal Actions

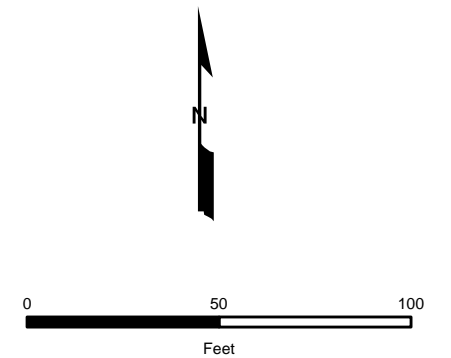


Figure 9-2
 Ecological Risk Assessment Map: SWMU B-71
 Affected Property Assessments
 AOC 64 and SWMU B-71
 Camp Stanley Storage Activity
 Boerne, Texas

DATE JUN 2011	PROJECT NO 03886.529.004	SCALE AS SHOWN
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10 COC SCREENING

The purpose of this section is to identify COCs which were screened from PCL development as a result of nature and extent investigations conducted at AOC 64 and SWMU B-71 in March through June 2007 and during IRA confirmation sampling conducted in November 2008 through February 2009. In general, COCs were screened from PCL development based on the absence of any samples with reportable concentrations or based on all reportable concentrations being below Tier 1 residential assessment levels.

All initial site characterization samples and IRA confirmation samples for both AOC 64 and SWMU B-71 were tested for VOC, SVOC, explosives and metals constituent lists stipulated by the Camp Stanley QAPP, dated January 2003. Later rounds of confirmation samples were tested for specific CoC analytes. A limited number of shallow surface soil locations at both sites were also tested by SPLP. Based on the presence of spent aerial flare bodies and rocket motors observed at AOC 64, initial characterization sampling at that site including testing for perchlorate by USEPA Method 314. A small cache of electronics related equipment was observed at the northern end of the disposal trench located on the east side of SWMU B-71. Samples collected from soils underlying these electrical components were tested for PCBs by USEPA Method SW846-8082.

The sampling strategy utilized during initial characterization sampling at both AOC 64 and SWMU B-71 focused on characterizing source area maximum COC concentrations. Samples were collected from soils interbedded with buried wastes and from native soils immediately underlying those buried materials. The efficacy of these characterization efforts is supported by laboratory analytical results obtained for the primary site COCs, i.e., metals, which exhibited significantly elevated concentrations in observed source areas. Accordingly, COCs screened in the sections below are considered to have been adequately evaluated for their potential to be present at the site at levels presenting a risk to human health and the environment.

10.1 FREQUENCY OF DETECTION

The following sections present COCs screened from PCL development based on no reportable concentrations above applicable RALs. The discussion has been separated by site and by

primary analytical methods. A summary of COCs screened from PCL development based on all detected concentrations being below RALs, as well as those COCs screened based on no samples with detected concentrations at or above reporting limits, is provided on Tables 10A-1 (AOC 64) and 10A-2 (SWMU B-71).

AOC 64

VOCs. The following VOC constituents were reported with concentrations below Tier 1 residential assessment levels:

- 1,2,4-Trimethylbenzene in six of the 58 samples collected.
- Ethylbenzene in 31 of the 58 samples collected.
- m,p-Xylene in 28 of the 58 samples collected.
- Naphthalene in six of the 58 samples collected.
- o-Xylene in 25 of the 58 samples collected.
- Styrene in one of the 58 samples collected.
- Toluene in 48 of the 58 samples collected.
- Tetrachloroethene in five of the 58 samples collected.
- p-Isopropyltoluene in one of the 58 samples collected.

SVOCs. The following SVOC constituents were reported with concentrations below Tier 1 residential assessment levels:

- 1,2,4-Trichlorobenzene in one of the 58 samples collected.
- Dibenzofuran in one of 58 samples collected.
- Benzo(b)fluoranthene in four of the 58 samples collected.
- Diethyl phthalate in nine of the 58 samples collected.
- Di-n-butyl phthalate in four of the 58 samples collected.
- Bis (2-ethylhexyl) phthalate in seven of the 58 samples collected.

- N-nitrosodiphenylamine in one of the 58 samples collected.

Metals. The following metals constituents were either not detected or were not reported with concentrations above the applicable Tier 1 RAL in any samples:

- Arsenic was detected in reportable quantities in 41 of the 75 samples collected; all reported concentrations and SQLs were below the RAL.
- Chromium was detected in reportable quantities in 74 of the 76 samples collected; all reported concentrations and SQLs were below the RAL.
- Nickel was detected in reportable quantities in 75 of the 75 samples collected; all reported concentrations and SQLs were below the RAL.

Explosives. No explosive constituents were detected at or above reportable concentrations for all samples collected during initial characterization or during IRA confirmation sampling. Constituents evaluated include 1,3,5-trinitrobenzene; 1,3-dinitrobenzene; 2,4,6-trinitrotoluene; 2,6-dinitrotoluene; 2-nitrotoluene; 3-nitrotoluene; 4-nitrotoluene; cyclotetramethylenetetranitramine (a.k.a., HMX); nitrobenzene; and tetryl and cyclotrimethylenetrinitramine (a.k.a., RDX). A discussion of the use of explosives SQLs as RALs for the current APA is presented below in Section 10.4.

Perchlorate. A total of 31 samples were submitted for determination of perchlorate concentrations during the March 2007 investigation. None of the samples were identified with reportable concentrations of perchlorate. All individual sample SQLs were below Tier 1 PCLs protective of human health and the environment.

SWMU B-71

VOCs. The following VOC constituents were reported with concentrations below Tier 1 residential assessment levels:

- 1,2,4-Trimethylbenzene in one of the 80 samples collected.
- Ethylbenzene in 13 of the 80 samples collected.
- m,p-Xylene in 15 of the 80 samples collected.
- Methylbromide in 12 of the 80 samples collected.
- Methylchloride in nine of the 80 samples collected.
- Methelene chloride in two of the 80 samples collected.
- Naphthalene in eight of the 80 samples collected.
- o-Xylene in one of the 80 samples collected.
- Toluene in 49 of the 80 samples collected.

SVOCs. The following SVOC constituents were reported with concentrations below Tier 1 residential assessment levels:

- 2-Nitrophenol in one of the 81 samples collected.
- Benzo(b)fluoranthene in six of the 81 samples collected.
- Benzoic acid in seven of the 81 samples collected.
- Bis(2-ethylhexyl) phthalate in six of the 81 samples collected.
- Diethyl phthalate in 11 of the 81 samples collected.
- Di-n-butyl phthalate in two of the 81 samples collected.

Metals. The following metals constituents were either not detected at or were not reported with concentrations above the applicable Tier 1 RAL in any samples:

- Arsenic was detected in reportable quantities in 75 of the 92 samples collected; all detections but one (see Section 10.2) and all SQLs were below the RAL.
- Barium was detected in reportable quantities in 89 of the 92 samples collected; all reported concentrations and SQLs were below the RAL.
- Cadmium was detected in reportable quantities below the RAL in 24 of the 92 samples collected; all reported concentrations and SQLs were below the RAL.
- Chromium was detected in reportable quantities below the RAL in all 92 samples collected; all reported concentrations and SQLs were below the RAL.
- Mercury was detected in reportable quantities below the RAL in 73 of the 92 samples collected; all reported concentrations and SQLs were below the RAL.

Explosives. No explosive constituents were detected at or above reportable concentrations for all samples collected during initial characterization or during IRA confirmation sampling. Constituents evaluated include: 1,3,5-trinitrobenzene; 1,3-dinitrobenzene; 2,4,6-trinitrotoluene; 2,6-dinitrotoluene; 2-nitrotoluene; 3-nitrotoluene; 4-nitrotoluene; cyclotetramethylenetetranitramine (a.k.a., HMX); nitrobenzene; and tetrahydro-1,3,5-trinitro-2-imidazopyridine (a.k.a., RDX).

A discussion of the use of explosives SQLs as RALs for the current APA is presented below in Section 10.4.

PCBs. A total of three samples were submitted for analysis of PCBs during the March 2007 investigation:

- SWMUB71-A1 (4.5-5.0 feet bgs)
- SWMUB71-A1 (8.5-9.0 feet bgs[normal sample]).
- SWMUB71-A1 (8.5-9.0 feet bgs [field duplicate sample]).

None of the samples had reportable concentrations of any individual PCB constituents and all individual sample constituent SQLs were lower than Tier 1 PCLs. However, the extraction holding time was exceeded for the sample collected from SWMUB71-A1 at a depth of 4.5-5.0 feet bgs, limiting the value of this sample to a qualitative characterization of conditions at that depth. The samples collected from depth of 8.5-9.0 feet bgs were tested within required holding times.

Other site COC concentrations associated with buried materials at SWMUB71-A1 (i.e., lead and zinc) were significantly higher at the 8.5-9.0 feet bgs depth interval than at 4.5-5.0 feet bgs, indicating this sample characterizes maximum contamination associated with source materials at that location. As such, the sample results were considered to be adequate to demonstrate no impact from PCBs. Electronics related materials were not observed at any other location during initial characterization or removal activities at SWMU B-71. As such, PCB analyses were not performed for any other samples collected from SWMU B-71 and have been screened from PCL development.

10.2 LAB CONTAMINANT OR BLANK CONTAMINANT

No COCs at AOC 64 or SWMU B-71 were screened from PCL development based on an assumption of laboratory contamination.

10.3 COCS NOT SOURCED ON-SITE

No detected COCs were screened from PCL development based on an assumption of the COC not being sourced on-site.

10.4 APPROPRIATE SAMPLE QUANTITATION LIMITS

All COCs screened from PCL development had individual sample SQLs below applicable Tier I PCLs and ecological risk screening benchmark values, except for the following constituents:

- VOCs: 1,1,2-trichloroethane; 1,2,3-trichloropropane; 1,2-dibromo-3-chloropropane; 1,2-dibromoethane; 1,2-dichloroethane and; cis-1,3-dichloropropene.
- SVOCs: 2,4-dinitrotoluene; 2,6-dinitrotoluene; 3,3-dichlorobenzidine; 4,6-dinitro-2-methylphenol; 4-chloroaniline; 4-nitroaniline; bis(2-chloroethoxy)methane;

bis(2-chloroethyl)ether; n-nitroso-di-n-propylamine; pentachlorophenol;
2,4-dinitrophenol; 2-nitroaniline; 3-nitroaniline; and 4-nitrophenol.

- Explosives: 1,3-dinitrobenzene; 2,4,6-trinitrotoluene; 2,6-dinitrotoluene; 2-nitrotoluene, and cyclotrimethylenetrinitramine (a.k.a., RDX).

All explosives and SVOC constituent SQLs provided by the analytical laboratory meet or exceed the reporting requirements of the TCEQ approved Camp Stanley QAPP, dated January 2003. All VOC constituent SQLs meet or exceed the reporting requirements of the Camp Stanley QAPP except for:

- Four sample results for 1,2-dibromo-3-chloropropane: AOC64-SW9 (2.5-3.0 bgs), AOC64-SW13 (1.0-1.5 feet bgs); SWMUB71-P3 (0.0-0.5 feet bgs) and SWMUB71-P4 (0.0-0.5 feet bgs).
- Two samples results for 1,1,2-trichloroethane: AOC64-SW9 (2.5-3.0 feet bgs) and AOC64-SW13 (1.0-1.5 feet bgs).
- Two sample results for cis-1,3-dichloropropane at AOC64-SW9 (2.5-3.0 feet bgs) and AOC64-SW13 (1.0-1.5 feet bgs).
- Methylene chloride at AOC64-SW9 (2.5-3.0 feet bgs) and AOC64-SW13 (1.0-1.5 feet bgs).
- All results for 1,2-dibromomethane (this constituent is not required for analysis by the CSSA QAPP).
- Two sample results for 1,2-dichloroethane at AOC64-SW9 (2.5-3.0 feet bgs) and AOC64-SW13 (1.0-1.5 feet bgs).

Based on the relative percentage of these sample SQL exceedances of the CSSA QAPP RLs, (<5% of all samples analyzed other than 1,2,-dibromomethane) and the lack of detections for any of these constituents, the SQL exceedances of the CSSA QAPP RLs are not considered to significantly impact the quality of the existing data set with respect to characterizing site conditions. As 1,2-dibromomethane is not required for analysis by the CSSA QAPP, it was screened for consideration a site COC. Copies of correspondence dated 5 January 2009; 23 April

2009; and 24 May 2010, from GCAL explaining USEPA methodologies utilized for determination of VOC, SVOC, and explosives concentrations and SQLs are provided in Appendix 10.

10.5 SCREENED COCS EXPECTED TO BE PRESENT DROPPED FROM FUTURE SAMPLING

No further characterization of environmental media at AOC 64 or SWMU B-71 is required to demonstrate conditions protective of human health and the environment. A summary of COCs screened from PCL development is provided in Tables 10A-1 and 10A-2.

**Table 10A-1
COC Screening Summary Table AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

1	2	3	4	5	6	7	8	SQL Justifications	
								9	10
COC	All Detected Concentrations and SQLs < residential assessment level in all sampled media §350.71(k)(1)	COC not detected in any sample in the medium §350.71(k)(3)	Frequency of detects < 5% of the ≥ 20 samples in this medium ¹ §350.71(k)(2) (A)(i) through (iii)	Common lab contaminant ² §350.71(k)(2)(B)	Blank Contaminant ² §350.71(k)(2)(C)	Max conc < background §350.71(k)(2)(D)	COC not sourced on-site ³ §350.71(k)(2)(E)	All SQLs < RAL §350.71(k)(3)(A)	SQL > RAL but justified ⁴ §350.71(k)(3)(B)
Explosives									
1,3,5-Trinitrobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,3-Dinitrobenzene		Soil 0-15 ft bgs							Soil 0-15 ft bgs
2,4,6-Trinitrotoluene		Soil 0-15 ft bgs							Soil 0-15 ft bgs
2,6-Dinitrotoluene		Soil 0-15 ft bgs							Soil 0-15 ft bgs
2-Nitrotoluene		Soil 0-15 ft bgs							Soil 0-15 ft bgs
3-Nitrotoluene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
4-Nitrotoluene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
HMX		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Nitrobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
RDX		Soil 0-15 ft bgs							Soil 0-15 ft bgs
Tetryl		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Metals									
Arsenic	Soil 0-15 ft bgs								
Chromium	Soil 0-15 ft bgs								
Nickel	Soil 0-15 ft bgs								
Perchlorate									
Perchlorate		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
SVOCs									
1,2,4-Trichlorobenzene	Soil 0-15 ft bgs								
1,2-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,3-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,4-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1-chloro-4-phenoxybenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,4,5-Trichlorophenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,4,6-Trichlorophenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,4-Dichlorophenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,4-Dimethylphenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,4-Dinitrophenol		Soil 0-15 ft bgs							Soil 0-15 ft bgs
2,6-Dinitrotoluene		Soil 0-15 ft bgs							Soil 0-15 ft bgs
2-Chloronaphthalene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2-Chlorophenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2-Methylnaphthalene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2-Methylphenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2-Nitroaniline		Soil 0-15 ft bgs							Soil 0-15 ft bgs
2-Nitrophenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
4-Methylphenol (m. & p-Cresol)		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
3,3-Dichlorobenzidine		Soil 0-15 ft bgs							Soil 0-15 ft bgs
3-Nitroaniline		Soil 0-15 ft bgs							Soil 0-15 ft bgs
4,6-Dinitro-2-methylphenol		Soil 0-15 ft bgs							Soil 0-15 ft bgs
1-Bromophenyl phenyl ether		Soil 0-15 ft bgs						Soil 0-15 ft bgs	

**Table 10A-1
COC Screening Summary Table AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

1 COC	2 All Detected Concentrations and SQLs < residential assessment level in all sampled media §350.71(k)(1)	3 COC not detected in any sample in the medium §350.71(k)(3)	4 Frequency of detects < 5% of the ≥ 20 samples in this medium ¹ §350.71(k)(2) (A)(i) through (iii)	5 Common lab contaminant ² §350.71(k)(2)(B)	6 Blank Contaminant ² §350.71(k)(2)(C)	7 Max conc < background §350.71(k)(2)(D)	8 COC not sourced on-site ³ §350.71(k)(2)(E)	SQL Justifications	
								9 All SQLs < RAL §350.71(k)(3)(A)	10 SQL > RAL but justified ⁴ §350.71(k)(3)(B)
4-Chloro-3-methylphenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
4-Chloroaniline		Soil 0-15 ft bgs							Soil 0-15 ft bgs
4-Nitroaniline		Soil 0-15 ft bgs							Soil 0-15 ft bgs
4-Nitrophenol		Soil 0-15 ft bgs							Soil 0-15 ft bgs
Acenaphthene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Acenaphthylene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Anthracene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Benzo(a)anthracene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Benzo(a)pyrene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Benzo(b)fluoranthene	Soil 0-15 ft bgs								
Benzo(g,h,i)perylene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Benzoic acid		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Benzyl alcohol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
bis(2-Chloroethoxy)methane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
bis(2-Chloroethyl)ether		Soil 0-15 ft bgs							Soil 0-15 ft bgs
bis(2-Chloroisopropyl)ether		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
bis(2-Ethylhexyl)phthalate	Soil 0-15 ft bgs								
Butyl Benzyl Phthalate		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Chrysene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Dibenzo(a,h)anthracene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Dibenzofuran	Soil 0-15 ft bgs								
Diethyl phthalate	Soil 0-15 ft bgs								
Dimethyl phthalate		Soil 0-15 ft bgs							
Di-N-Butyl phthalate	Soil 0-15 ft bgs								
Di-N-Octyl phthalate		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Fluoranthene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Fluorene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Hexachlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Hexachlorobutadiene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Hexachlorocyclopentadiene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Hexachloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Indeno(1,2,3-cd)pyrene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Isophorone		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Naphthalene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Nitrobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
N-Nitroso-di-N-propylamine		Soil 0-15 ft bgs							Soil 0-15 ft bgs
N-Nitrosodiphenylamine	Soil 0-15 ft bgs								
Pentachlorophenol		Soil 0-15 ft bgs							Soil 0-15 ft bgs
Phenanthrene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Phenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Pyrene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
VOCs									

**Table 10A-1
COC Screening Summary Table AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

1 COC	2 All Detected Concentrations and SQLs < residential assessment level in all sampled media §350.71(k)(1)	3 COC not detected in any sample in the medium §350.71(k)(3)	4 Frequency of detects < 5% of the ≥ 20 samples in this medium ¹ §350.71(k)(2) (A)(i) through (iii)	5 Common lab contaminant ² §350.71(k)(2)(B)	6 Blank Contaminant ² §350.71(k)(2)(C)	7 Max conc < background §350.71(k)(2)(D)	8 COC not sourced on-site ³ §350.71(k)(2)(E)	SQL Justifications	
								9 All SQLs < RAL §350.71(k)(3)(A)	10 SQL > RAL but justified ⁴ §350.71(k)(3)(B)
1,1,1,2-Tetrachloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,1,1-Trichloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,1,2,2-Tetrachloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,1,2-Trichloroethane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
1,1-Dichloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,1-Dichloroethene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,1-Dichloropropene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,2,3-Trichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,2,3-Trichloropropane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
1,2,4-Trichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,2,4-Trimethylbenzene	Soil 0-15 ft bgs								
2-Dibromo-3-chloropropane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
1,2-Dibromoethane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
1,2-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,2-Dichloroethane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
1,2-Dichloropropane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,3,5-Trimethylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,3-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,3-Dichloropropane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,4-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1-Chlorohexane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,2-Dichloropropane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2-Chlorotoluene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
4-Chlorotoluene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Bromobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Bromochloromethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Bromodichloromethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Bromoform		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Carbon tetrachloride		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Chlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Chloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Chloroform		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
cis-1,2-Dichloroethene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
cis-1,3-Dichloropropene		Soil 0-15 ft bgs							Soil 0-15 ft bgs
Dibromochloromethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Dibromomethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Dichlorodifluoromethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Ethylbenzene	Soil 0-15 ft bgs								
Hexachlorobutadiene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Isopropylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
m,p-Xylene	Soil 0-15 ft bgs								
Methyl Bromide		Soil 0-15 ft bgs						Soil 0-15 ft bgs	

**Table 10A-1
COC Screening Summary Table AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

1	2	3	4	5	6	7	8	SQL Justifications	
								9	10
COC	All Detected Concentrations and SQLs < residential assessment level in all sampled media §350.71(k)(1)	COC not detected in any sample in the medium §350.71(k)(3)	Frequency of detects < 5% of the ≥ 20 samples in this medium ¹ §350.71(k)(2)(A)(i) through (iii)	Common lab contaminant ² §350.71(k)(2)(B)	Blank Contaminant ² §350.71(k)(2)(C)	Max conc < background §350.71(k)(2)(D)	COC not sourced on-site ³ §350.71(k)(2)(E)	All SQLs < RAL §350.71(k)(3)(A)	SQL > RAL but justified ⁴ §350.71(k)(3)(B)
Methyl Chloride		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Methylene chloride		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Naphthalene	Soil 0-15 ft bgs								
n-Butylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
n-Propylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
o-Xylene	Soil 0-15 ft bgs								
p-Isopropyltoluene	Soil 0-15 ft bgs								
sec-Butylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Styrene	Soil 0-15 ft bgs								
tert-Butylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Tetrachloroethene	Soil 0-15 ft bgs								
Toluene	Soil 0-15 ft bgs								
trans-1,2-Dichloroethene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
trans-1,3-Dichloropropene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Trichloroethene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Trichlorofluoromethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Vinyl Chloride		Soil 0-15 ft bgs						Soil 0-15 ft bgs	

¹ Provide in the text justification that a critical PCL is not warranted based on the criteria specified in §350.71(k)(2)(A)(iii).

² Provide in the text justification that the COC is not anticipated to be present at the site (see §350.71(k)(2)(B) or (C)).

³ Provide in the text justification that the COC is not from an on-site source (see §350.71(k)(2)(E)).

⁴ Provide in the text justification that all requirements of §350.71(k)(3)(B) are met.

**Table 10A-2
COC Screening Summary Table SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

1 COC	2 All Detected Concentrations and SQLs < residential assessment level in all sampled media §350.71(k)(1)	3 COC not detected in any sample in the medium §350.71(k)(3)	4 Frequency of detects < 5% of the ≥ 20 samples in this medium ¹ §350.71(k)(2)(A)(i) through (iii)	5 Common lab contaminant ² §350.71(k)(2)(B)	6 Blank Contaminant ² §350.71(k)(2)(C)	7 Max conc < background §350.71(k)(2)(D)	8 COC not sourced on-site ³ §350.71(k)(2)(E)	SQL Justifications	
								9 All SQLs < RAL §350.71(k)(3)(A)	10 SQL > RAL but justified ⁴ §350.71(k)(3)(B)
Explosives									
1,3,5-Trinitrobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,3-Dinitrobenzene		Soil 0-15 ft bgs							Soil 0-15 ft bgs
2,4,6-Trinitrotoluene		Soil 0-15 ft bgs							Soil 0-15 ft bgs
2,6-Dinitrotoluene		Soil 0-15 ft bgs							Soil 0-15 ft bgs
2-Nitrotoluene		Soil 0-15 ft bgs							Soil 0-15 ft bgs
3-Nitrotoluene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
4-Nitrotoluene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
HMX		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Nitrobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
RDX		Soil 0-15 ft bgs							Soil 0-15 ft bgs
Tetryl		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Metals									
Arsenic	Soil 0-15 ft bgs								
Barium	Soil 0-15 ft bgs								
Cadmium	Soil 0-15 ft bgs								
Chromium	Soil 0-15 ft bgs								
Mercury	Soil 0-15 ft bgs								
PCBs									
Aroclor-1016		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Aroclor-1221		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Aroclor-1232		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Aroclor-1242		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Aroclor-1248		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Aroclor-1254		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Aroclor-1260		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
SVOCs									
1,2,4-Trichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,2-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,3-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,4-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1-chloro-4-phenoxybenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,4,5-Trichlorophenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,4,6-Trichlorophenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,4-Dichlorophenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,4-Dimethylphenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,4-Dinitrophenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,6-Dinitrotoluene		Soil 0-15 ft bgs							Soil 0-15 ft bgs

**Table 10A-2
COC Screening Summary Table SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

1 COC	2 All Detected Concentrations and SQLs < residential assessment level in all sampled media §350.71(k)(1)	3 COC not detected in any sample in the medium §350.71(k)(3)	4 Frequency of detects < 5% of the ≥ 20 samples in this medium ¹ §350.71(k)(2)(A)(i) through (iii)	5 Common lab contaminant ² §350.71(k)(2)(B)	6 Blank Contaminant ² §350.71(k)(2)(C)	7 Max conc < background §350.71(k)(2)(D)	8 COC not sourced on-site ³ §350.71(k)(2)(E)	SQL Justifications	
								9 All SQLs < RAL §350.71(k)(3)(A)	10 SQL > RAL but justified ⁴ §350.71(k)(3)(B)
2-Chloronaphthalene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2-Chlorophenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2-Methylnaphthalene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2-Methylphenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2-Nitroaniline		Soil 0-15 ft bgs							Soil 0-15 ft bgs
2-Nitrophenol	Soil 0-15 ft bgs								
3 & 4-Methylphenol (m, & p-Cresol)		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
3,3-Dichlorobenzidine		Soil 0-15 ft bgs							Soil 0-15 ft bgs
3-Nitroaniline		Soil 0-15 ft bgs							Soil 0-15 ft bgs
4,6-Dinitro-2-methylpheno		Soil 0-15 ft bgs							Soil 0-15 ft bgs
4-Bromophenyl phenyl ether		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
4-Chloro-3-methylpheno		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
4-Chloroaniline		Soil 0-15 ft bgs							Soil 0-15 ft bgs
4-Nitroaniline		Soil 0-15 ft bgs							Soil 0-15 ft bgs
4-Nitrophenol		Soil 0-15 ft bgs							Soil 0-15 ft bgs
Acenaphthene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Acenaphthylene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Anthracene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Benzo(a)anthracene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Benzo(a)pyrene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Benzo(b)fluoranthene	Soil 0-15 ft bgs								
Benzo(g,h,i)perylene		Soil 0-15 ft bgs							
Benzoic acid	Soil 0-15 ft bgs								
Benzyl alcohol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
bis(2-Chloroethoxy)methane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
bis(2-Chloroethyl)ether		Soil 0-15 ft bgs							Soil 0-15 ft bgs
bis(2-Chloroisopropyl)ether		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
bis(2-Ethylhexyl)phthalate	Soil 0-15 ft bgs								
Butyl Benzyl Phthalate		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Chrysene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Dibenzo(a,h)anthracene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Dibenzofuran		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Diethyl phthalate	Soil 0-15 ft bgs								
Dimethyl phthalate		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Di-N-Butyl phthalate	Soil 0-15 ft bgs								
Di-N-Octyl phthalate		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Fluoranthene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Fluorene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	

**Table 10A-2
COC Screening Summary Table SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

1 COC	2 All Detected Concentrations and SQLs < residential assessment level in all sampled media §350.71(k)(1)	3 COC not detected in any sample in the medium §350.71(k)(3)	4 Frequency of detects < 5% of the ≥ 20 samples in this medium ¹ §350.71(k)(2)(A)(i) through (iii)	5 Common lab contaminant ² §350.71(k)(2)(B)	6 Blank Contaminant ² §350.71(k)(2)(C)	7 Max conc < background §350.71(k)(2)(D)	8 COC not sourced on-site ³ §350.71(k)(2)(E)	SQL Justifications	
								9 All SQLs < RAL §350.71(k)(3)(A)	10 SQL > RAL but justified ⁴ §350.71(k)(3)(B)
Hexachlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Hexachlorobutadiene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Hexachlorocyclopentadiene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Hexachloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Indeno(1,2,3-cd)pyrene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Isophorone		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Naphthalene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Nitrobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
N-Nitroso-di-N-propylamine		Soil 0-15 ft bgs							Soil 0-15 ft bgs
Pentachlorophenol		Soil 0-15 ft bgs							Soil 0-15 ft bgs
Phenanthrene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Phenol		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Pyrene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
VOCs									
1,1,1,2-Tetrachloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,1,1-Trichloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,1,2,2-Tetrachloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,1,2-Trichloroethane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
1,1-Dichloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,1-Dichloroethene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,1-Dichloropropene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,2,3-Trichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,2,3-Trichloropropane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
1,2,4-Trichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,2,4-Trimethylbenzene	Soil 0-15 ft bgs								
2-Dibromo-3-chloropropane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
1,2-Dibromoethane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
1,2-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,2-Dichloroethane		Soil 0-15 ft bgs							Soil 0-15 ft bgs
1,2-Dichloropropane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,3,5-Trimethylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,3-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,3-Dichloropropane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1,4-Dichlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
1-Chlorohexane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2,2-Dichloropropane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
2-Chlorotoluene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
4-Chlorotoluene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	

**Table 10A-2
COC Screening Summary Table SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

1 COC	2 All Detected Concentrations and SQLs < residential assessment level in all sampled media §350.71(k)(1)	3 COC not detected in any sample in the medium §350.71(k)(3)	4 Frequency of detects < 5% of the ≥ 20 samples in this medium ¹ §350.71(k)(2)(A)(i) through (iii)	5 Common lab contaminant ² §350.71(k)(2)(B)	6 Blank Contaminant ² §350.71(k)(2)(C)	7 Max conc < background §350.71(k)(2)(D)	8 COC not sourced on-site ³ §350.71(k)(2)(E)	SQL Justifications	
								9 All SQLs < RAL §350.71(k)(3)(A)	10 SQL > RAL but justified ⁴ §350.71(k)(3)(B)
Bromobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Bromochloromethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Bromodichloromethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Bromoform		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Carbon tetrachloride		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Chlorobenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Chloroethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Chloroform		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
cis-1,2-Dichloroethene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
cis-1,3-Dichloropropene		Soil 0-15 ft bgs							Soil 0-15 ft bgs
Dibromochloromethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Dibromomethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Dichlorodifluoromethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Ethylbenzene	Soil 0-15 ft bgs								
Hexachlorobutadiene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Isopropylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
m,p-Xylene	Soil 0-15 ft bgs								
Methyl Bromide	Soil 0-15 ft bgs								
Methyl Chloride	Soil 0-15 ft bgs								
Methylene chloride	Soil 0-15 ft bgs								
Naphthalene	Soil 0-15 ft bgs								
n-Butylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
n-Propylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
o-Xylene	Soil 0-15 ft bgs								
p-Isopropyltoluene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
sec-Butylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Styrene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
tert-Butylbenzene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Tetrachloroethene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Toluene	Soil 0-15 ft bgs								
trans-1,2-Dichloroethene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
trans-1,3-Dichloropropene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Trichloroethene		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Trichlorofluoromethane		Soil 0-15 ft bgs						Soil 0-15 ft bgs	
Vinyl Chloride		Soil 0-15 ft bgs						Soil 0-15 ft bgs	

¹ Provide in the text justification that a critical PCL is not warranted based on the criteria specified in §350.71(k)(2)(A)(iii).

**Table 10A-2
COC Screening Summary Table SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX**

1	2	3	4	5	6	7	8	SQL Justifications	
								9	10
COC	All Detected Concentrations and SQLs < residential assessment level in all sampled media §350.71(k)(1)	COC not detected in any sample in the medium §350.71(k)(3)	Frequency of detects < 5% of the ≥ 20 samples in this medium ¹ §350.71(k)(2)(A)(i) through (iii)	Common lab contaminant ² §350.71(k)(2)(B)	Blank Contaminant ² §350.71(k)(2)(C)	Max conc < background §350.71(k)(2)(D)	COC not sourced on-site ³ §350.71(k)(2)(E)	All SQLs < RAL §350.71(k)(3)(A)	SQL > RAL but justified ⁴ §350.71(k)(3)(B)

² Provide in the text justification that the COC is not anticipated to be present at the site (see §350.71(k)(2)(B) or (C)).

³ Provide in the text justification that the COC is not from an on-site source (see §350.71(k)(2)(E)).

⁴ Provide in the text justification that all requirements of §350.71(k)(3)(B) are met.

11 SOIL CRITICAL PCL DEVELOPMENT

11.1 Tier 2 or 3 PCL Development and Non-Default Parameters

As described in Section 4 of this document, a number of VOC, SVOC, and metals constituents were identified in soil samples above default residential Tier 1 PCLs or ecological risk screening benchmark values at both AOC 64 and SWMU B-71. IRAs were conducted at both sites in response to munitions debris and contaminated soils observed during initial assessment activities in March and June 2007. For certain site COCs, site-specific Tier 2 residential PCLs were determined for the soil-to-groundwater exposure pathway using TRRP Tier 2 ^{GW}Soil_{ing} PCL SAM equations, as provided in §350.73(e)(1)(A) and §350.73(e)(1)(C). In consideration of the complex hydrogeology at CSSA, including the presence of karst and fracture features in some areas, key groundwater parameter inputs for the SAM were developed utilizing extremely conservative assumptions. Specifically, input values for depth to water, saturated thickness, and groundwater velocity were selected based on an assumption of shallow perched water flow occurring within higher permeability soils between less permeable limestone layers. As groundwater was not observed during any of the trenching and sampling activities conducted at AOC 64 or SWMU B-71, the maximum depth investigated during the APAs and IRAs for the sites was utilized as a conservative assumed depth to water. Affected soil zone thicknesses were determined by IRA confirmation sample results. The saturated zone thickness was assumed to be one foot at both sites, characteristic of shallow perched water flow along the upper service of a less permeable stratigraphic unit.

Preliminary Tier 2 PCLs were developed for lead at SWMU B-71 and barium at AOC 64 during the IRAs and submitted to the TCEQ project coordinator for review prior to completing remedial excavations and backfilling the sites. Although the Tier 2 PCLs for these site COCs contained within this APAR were adjusted based on the final depth of excavations (i.e., assumed depth to groundwater in the calculations was increased as it was not observed at the maximum depth investigated at either site), the same general methodology and other key site parameters were retained. A document providing the basis for development of these preliminary Tier 2 PCLs and e-mail correspondence from the TCEQ, dated 28 January 200, confirming the preliminary Tier 2 PCL values are provided in Appendix 9.

Site-specific input parameters and Tier 1 defaults used for calculation of the Tier 2 $^{GW}Soil_{Ing}$ PCLs are presented in Appendix 9.

11.2 Soil PCL Adjustments

No soil PCL adjustments have been made based on residual saturation, cumulative risk, soil vapor calculations, or hazard index evaluations.

11.3 Soil Critical PCLs

Based on the planned continued use of the affected property, critical PCLs are based on residential land use and a 30-acre source area. Exposure pathways considered in the development of critical PCLs for AOC 64 and SWMU B-71 are the soil-to-groundwater pathway ($^{GW}Soil_{Ing}$) for Class 1 groundwater resources and the soil-direct contact pathway ($^{Tot}Soil_{Comb}$) for surface soils. Ecological risk screening benchmark values were also considered in development of assessment levels for certain COCs.

Critical PCLs are based on the lower of the default Tier 1 $^{Tot}Soil_{Comb}$ PCL, the Tier 1 default or calculated Tier 2 site-specific $^{GW}Soil_{Ing}$ PCL, and ecological risk screening benchmark values. No COCs were reported above any of the applicable human health critical PCL in post-IRA soil samples collected at AOC 64 or SWMU B-71. Therefore, a human health PCLE zone for COC-affected soil is not present at either of the sites. COC concentrations exceeding their respective ecological risk screening benchmark values are generally limited at both sites to locations at a depth of greater than 0.5 feet bgs. A Screening Level Ecological Risk Assessment (SLERA) discussion of potential risk to ecological receptors associated with residual site COC concentrations is provided in Section 9. A summary of the critical PCL development for COCs is provided in Tables 11A-1 and 11A-2 for AOC 64 and SWMU B-71, respectively

Table 11A-1
Surface Soil Critical PCLs (On-Site/Off-Site) AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

The following table provides a soil critical PCL evaluation for exposure pathways for those COCs in the surface soil at AOC 64 which were not screened from PCL development in Section 10.

Table 11A. Surface Soil Critical PCLs

Date of the Tier 1 PCL tables used in the determination of PCLs: 24 May 2011

On-Site Surface Soil Critical PCLs

Land use for purpose of critical PCL development: Residential Commercial/industrial

COC	Tot ^{Soil} Comb PCL			GW ^{Soil} ¹ PCL			Ecological PCL		MQL (mg/kg)	Back- ground (mg/kg)	SW ^{Soil} ² (mg/kg)	Sed ^{Soil} ² (mg/kg)	Conc (mg/kg)		Remedy or NFA
	(mg/kg)	Tier	Source area size (acres)	(mg/kg)	Tier	Source area size (acres)	0-0.5 ft. (mg/kg)	0.5-5 ft. (mg/kg)					Max	Rep ³	
Barium	7800	1	30	1562	2	30	NA	NA	0.23	300 ^b	N/A	N/A	1110	N/A	NFA
Cadmium	52	1	30	322	2	30	NA	NA	0.12	3.0 ^a	N/A	N/A	1.38J	N/A	NFA
Copper	550	1	30	520	1	30	NA	NA	0.42	23.2 ^a	N/A	N/A	158J	N/A	NFA
Lead	500	1	30	411	2	30	NA	NA	0.64	84.5 ^a	N/A	N/A	34.2	N/A	NFA
Mercury	2.1	1	30	6.0	2	30	NA	NA	0.005	0.77 ^a	N/A	N/A	2.00	N/A	NFA
Zinc	9900	1	30	58304	2	30	NA	NA	0.82	73.2 ^a	N/A	N/A	653	N/A	NFA
2,4- Dinitrotoluene	6.9	1	30	0.0027	1	30	NA	NA	0.04	N/A	N/A	N/A	0.04U	N/A	NFA
Benzene	48	1	30	0.019	2	30	NA	NA	0.00761	N/A	N/A	N/A	0.0188	N/A	NFA

Notes:

^a – Camp Stanley site-specific background concentration

^b – Texas State Median Concentration

¹ GW^{Soil} includes GW^{Soil}_{Ing}, GW^{Soil}_{Class3}, Air^{GW-Soil}_{Inh-v}, and GW^{Soil} for secondary MCLs, as applicable.

² Refer to *Determining PCLs for Surface Water and Sediment* (RG-366/TRRP-24) to determine if a PCL is required to be developed for this pathway.

³ Provide justifications and calculations for use of representative concentrations in Appendix 8.

Table 11A-1
Surface Soil Critical PCLs (On-Site/Off-Site) AOC 64
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Off-Site Surface Soil Critical PCLs

Land use for purpose of critical PCL development:¹ Residential Commercial/industrial

COC	TotSoilComb PCL			GWSoil ¹ PCL			Ecological PCL		MQL (mg/kg)	Back- ground (mg/kg)	SWSoil ² (mg/kg)	SedSoil ² (mg/kg)	Conc (mg/kg)		Remedy or NFA	
	(mg/kg)	Tier	Source area size (acres)	(mg/kg)	Tier	Source area size (acres)	0-0.5 ft. (mg/kg)	0.5-5 ft. (mg/kg)					Max	Rep ³		
N/A																

Not applicable. No off-site affected soil.

Table 11B is not applicable to this APAR, as all COC impact was delineated to RALs at a depth of less than 15 feet bgs. Figures 11A through 11C are not applicable, as there is no PCLE zone (all COC concentrations are below their applicable critical PCL).

¹ Repeat the table if needed for different off-site land uses.

Table 11A-2
Surface Soil Critical PCLs (On-Site/Off-Site) SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

The following table provides a soil critical PCL evaluation for exposure pathways for those COCs in the surface soil at SWMU B-71 which were not screened from PCL development in Section 10.

Table 11A. Surface Soil Critical PCLs

Date of the Tier 1 PCL tables used in the determination of PCLs: 24 May 2011

On-Site Surface Soil Critical PCLs

Land use for purpose of critical PCL development: Residential Commercial/industrial

COC	TotSoil _{Comb} PCL			GW _{Soil} ¹ PCL			Ecological PCL		MQL (mg/kg)	Back-ground (mg/kg)	SW _{Soil} ² (mg/kg)	Sed _{Soil} ² (mg/kg)	Conc (mg/kg)		Remedy or NFA
	(mg/kg)	Tier	Source area size (acres)	(mg/kg)	Tier	Source area size (acres)	0-0.5 ft. (mg/kg)	0.5-5 ft. (mg/kg)					Max	Rep ³	
Copper	550	1	30	520	1	30	NA	NA	0.74	23.2 ^a	N/A	N/A	230	N/A	NFA
Lead	500	1	30	274	2	30	NA	NA	0.76	84.5 ^a	N/A	N/A	184	N/A	NFA
Nickel	830	1	30	6844	2	30	NA	NA	0.53	35.5 ^a	N/A	N/A	29.9	N/A	NFA
Zinc	9900	1	30	29337	2	30	NA	NA	1.49	73.2 ^a	N/A	N/A	232	N/A	NFA
2,4-Dinitrotoluene	6.9	1	30	0.0027	1	30	NA	NA	0.0663	N/A	N/A	N/A	0.0663U	N/A	NFA
n-Nitrosodiphenyl amine	570	1	30	40	2	30	NA	NA	0.0175	N/A	N/A	N/A	2.3	N/A	NFA
Benzene	48	1	30	0.221	2	30	NA	NA	0.00347	N/A	N/A	N/A	0.0213J	N/A	NFA

Notes:

^a – Camp Stanley site-specific background concentration

^b – Texas State Median Concentration

¹ GW_{Soil} includes GW_{Soil}_{Ing}, GW_{Soil}_{Class3}, Air_{GW-Soil}_{Inh-v}, and GW_{Soil} for secondary MCLs, as applicable.

² Refer to *Determining PCLs for Surface Water and Sediment* (RG-366/TRRP-24) to determine if a PCL is required to be developed for this pathway.

³ Provide justifications and calculations for use of representative concentrations in Appendix 8.

Table 11A-2
Surface Soil Critical PCLs (On-Site/Off-Site) SWMU B-71
Affected Property Assessments
AOC 64 and SWMU B-71
Camp Stanley Storage Activity
Boerne, TX

Off-Site Surface Soil Critical PCLs

Land use for purpose of critical PCL development:¹ Residential Commercial/industrial

COC	TotSoilComb PCL			GWSoil ¹ PCL			Ecological PCL		MQL (mg/kg)	Back-ground (mg/kg)	SWSoil ² (mg/kg)	SedSoil ² (mg/kg)	Conc (mg/kg)		Remedy or NFA
	(mg/kg)	Tier	Source area size (acres)	(mg/kg)	Tier	Source area size (acres)	0-0.5 ft. (mg/kg)	0.5-5 ft. (mg/kg)					Max	Rep ³	
N/A															

Not applicable. No off-site affected soil.

Table 11B is not applicable to this APAR, as all COC impact was delineated to RALs at a depth of less than 15 feet bgs. Figures 11A through 11C are not applicable, as there is no PCLE zone (all COC concentrations are below their applicable critical PCL).

¹ Repeat the table if needed for different off-site land uses.