DECISION DOCUMENT
104-8 ETHYLENE OXIDE SPILL IMPOUNDMENT, SWMU B-28c
Hawthorne Army Depot
Hawthorne, Nevada
October 1999

1. PURPOSE of DECISION DOCUMENT

1.1 Introduction

This decision document describes the rationale for the remedial action at, and closure of, Solid Waste Management Unit (SWMU) B-28c, 104-8 Ethylene Oxide Spill Impoundment at the Hawthorne Army Depot (HWAD), Hawthorne, Nevada. This decision document was developed by the U.S. Army Corps of Engineers, Sacramento District (USACE), HWAD, and Day & Zimmermann Hawthorne Corporation, with support from the Nevada Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP).

1.2 Site Description and Background

SWMU B-28c is a shallow, irregular-shaped, unlined impoundment located about 100 feet from the northwest corner of Building 104-8 and about 40 feet northwest of the explosion containment berm around the building. The impoundment measures approximately 150 feet long, 100 feet wide (from the outside of the 4 feet high berms), and 8 feet deep from the bottom of the impoundment to the top of the berms. The impoundment was designed to contain spills of ethylene oxide from Building 104-8. The impoundment was reportedly operational in 1988 (USAEHA, 1988), but has not been used since 1975 (RAI, 1992).

Tetra Tech reviewed all previous work done for the Group B SWMUs and compiled an annotated bibliography for past work (Tetra Tech, 1993).

Tetra Tech performed a visual inspection of the site in November 1993. A six-inch diameter discharge pipe enters the south side of the impoundment, and a one-inch diameter galvanized steel pipe of unknown function extends from near the discharge pipe to the center of the impoundment. No soil discoloration was observed in the sediments inside the impoundment. Sparse vegetation has taken root inside the impoundment. An underground settling tank was observed between the west end of the impoundment and Building 104-9, a boiler house. This settling tank is part of the septic system for Building 104-8.

Total petroleum hydrocarbons (TPH) were listed in the Work Plan as a potential chemical of concern. Tetra Tech's site inspection found no visual evidence of staining, and, therefore, removed TPH as a potential chemical of concern.

The depth to the water table in this area was estimated to be greater than 170 feet.

Tetra Tech conducted a basewide ground water level survey in March, 1994. Based on this survey, ground water at SWMU B-28c was estimated at a depth of 195 feet. (4,075 feet msl). Ground water flow direction is shown on the activity map.

1.3 Chemicals of Concern

The chemicals of concern at SWMU B-28c are listed in Table 1.

TABLE 1 - SUMMARY of CHEMICALS of CONCERN

Chemical of Concern	Rationale Behind Designation	Reference
Volatile Organic Compounds	Possible disposal of ethylene oxide.	USAEHA, 1988

2. SUMMARY of SITE RISK

Soil gas survey samples collected at SWMU B-28c were non-detect (ND) for volatile organic compounds (VOCs).

Benzene, chlorobenzene, trichloroethene, and toluene concentrations were reported at 15 feet in boring SB05, however, the detections were below their respective VOC closure goals. Trichlorofluoromethane, methylene chloride and toluene were detected in the trip blank associated with this soil sampling event, which indicates that these VOCs are not representative of soil conditions.

3. SUMMARY of REMEDIAL INVESTIGATIONS and REMEDIAL ACTIONS

3.1 Remedial Investigations

3.1.1 Objectives

The objective of the site investigation at SWMU B-28c was:

- To determine the presence of ethylene oxide in the subsurface soils beneath the impoundment and related piping of the discharge system to the impoundment.

This objective was met.

3.1.2 Planned and Actual Investigation

Planned and actual field activities are described in Table 2. Figure B-28c-2 shows the locations of the actual field investigation activities at SWMU B-28c. A permanent monument was installed and surveyed, and the SWMU boundaries delineated, at the locations shown on these figures. The appendices of this report include HWAD proposed closure goals for

soils, lab results and detection limits, survey results, and photographs. All activities were conducted based on the Work Plan (Tetra Tech, 1994a), Site Safety and Health Plan (Tetra Tech, 1994b) and the Chemical Data Acquisition Plan (Tetra Tech, 1994c).

TABLE 2 - SUMMARY of PLANNED and ACTUAL FIELD INVESTIGATION

Planned Investigation	Actual Investigation	Comments
Geophysics - Line locator, video survey of line.	Geophysics - Line locator	Could not obtain explosive-proof camera.
Soil Gas Survey - 20 locations at impoundment and discharge line location	Soil Gas Survey - 10 locations at impoundment and discharge line location	Based upon ND results of first 10 samples, remaining 10 samples were not taken.
Subsurface Sampling - CPT[a] sounding at 2 locations to 20 ft. CPT sampling at 5 locations to 20 ft. Four samples per location	**Subsurface Sampling** - CPT sounding at 2 locations to 20 ft. CPT sampling at 5 locations between 13.5 and 22 ft. 2-3 samples per location	Less samples collected based on stratigraphy.
Surveying - GPS[b] at line locator points, settling tank, impoundment boundaries, soil gas sample points and CPT locations	**Surveying** - GPS at line locator points, settling tank, impoundment boundaries, soil gas sample points and CPT locations	

[a]CPT = Cone penetrometer testing
[b]GPS = Global positioning system

Soil samples collected and analyses performed are as follows:

Sample Location	Depth (ft)	VOCs
Near Surface Samples	None	
Subsurface Samples		
SB01	12, 16, 21	Y
SB02	13, 20	Y
SB03	6, 10, 13	Y
SB04	11, 15, 20	Y
SB05	12, 15, 22	Y

3.1.3 Results

Line locating confirmed the discharge pipe leads from Building 104-8 to the impoundment.

Ten soil gas probes were installed and sampled for volatile organic compounds (VOCs) and benzene, toluene, ethylbenzene and xylenes (BTEX). Table 3 lists the analytical results for VOCs and BTEX from the soil gas survey.

Two CPT soundings to a maximum depth of 20 feet were performed at the site. The stratigraphic interpretation from the CPT logs indicated interlayered silty sand to gravelly sand. Table 4 lists the analytical results for VOCs in the subsurface samples.

TABLE 3 - SUMMARY of SOIL GAS SURVEY ANALYTICAL RESULTS

Sample Number	Sampled Date	Sample Depth (ft)	VOCs (ug/L) EPA Method 8010-M	BTEX (ug/L) EPA Method 8020-M
Near Surface Sampling				
B28c-SG-01	3-Jul-94	5.0	ND[a]	ND
B28c-SG-02	3-Jul-94	5.0	ND	ND
B28c-SG-03	3-Jul-94	5.0	ND	ND
B28c-SG-04	3-Jul-94	5.0	ND	ND
B28c-SG-05	3-Jul-94	5.0	ND	ND
B28c-SG-06	2-Jul-94	5.0	ND	ND
B28c-SG-07	2-Jul-94	5.0	ND	ND
B28c-SG-08	2-Jul-94	5.0	ND	ND
B28c-SG-09	3-Jul-94	5.0	ND	ND
B28c-SG-10	3-Jul-94	5.0	ND	ND

[a]ND = Below laboratory method detection limit for all analytes

TABLE 4 - SUMMARY OF VOCs ANALYTICAL RESULTS

Sample Number	Sampled Date	Sample Depth (ft)	VOC's (ug/kg) EPA Method 8260
Subsurface Sampling			
B28c-SB01-1-S	11-Aug-94	11.5 - 12.0	6.1 methylene chloride
B28c-SB01-2-S	11-Aug-94	16.0 - 16.5	ND[a]
B28c-SB01-3-S	11-Aug-94	20.5 - 21.0	ND
B28c-SB02-1-S	12-Aug-94	13.0 - 13.5	7.7 methylene chloride
B28c-SB02-2-S	12-Aug-94	19.5 - 20.0	ND
B28b-SB03-1-S	12-Aug-94	6.0 - 6.5	ND
B28b-SB03-2-S	12-Aug-94	9.5 - 10.0	9.0 methylene chloride 2.0 trichlorofluoromethane 0.5 toluene
B28b-SB03-3-S	12-Aug-94	13.0 - 13.5	ND
B28c-SB04-1-S	12-Aug-94	10.5 - 11.0	ND
B28c-SB04-2-S	12-Aug-94	15.0 - 15.5	ND
B28c-SB04-3-S	12-Aug-94	20.0 - 20.5	ND
B28c-SB05-1-S	12-Aug-94	11.5 - 12.0	ND
B28c-SB05-2-S	12-Aug-94	15.0 - 15.5	1.5 benzene 3.0 chlorobenzene 7.2 methylene chloride 2.0 trichloroethene 2.0 toluene
B28c-SB05-3-S	12-Aug-94	21.5 - 22.0	ND

[a]ND = Below laboratory method detection limit for all analytes

3.2 Remedial Actions

3.2 Remedial Actions

3.2.1 Summary of Remedial Alternatives

The large ethylene oxide discharge pipe and the one-inch steel pipe will be removed and disposed of properly. The impoundment should be backfilled with clean soil and contoured to prevent infiltration and erosion.

3.2.2 Summary of Remedial Actions

The 10-foot section of six-inch pipe at the impoundment and the one-inch pipe in the impoundment were removed. The pipes were clean and were disposed of properly. The catchment pit was backfilled with clean dirt and contoured to the surrounding terrain. Photographs showing the condition of the site before and after the remedial action are attached.

4. CONCLUSIONS and RECOMMENDATIONS

The HWAD proposed closure goals for all analytes are listed in Appendix A. These closure goals were used in evaluating the detected chemicals. Table 5 lists analytical results for detected chemicals of concern in the soil.

TABLE 5 - SUMMARY of DETECTED CHEMICALS of CONCERN

Sample Number	Sampled Date	Sample Depth (ft)	VOCs (ug/kg) EPA Method 8260
B28c-SB01-1-S	11-Aug-94	11.5 - 12.0	6.1 methylene chloride
B28c-SB02-1-S	12-Aug-94	13.0 - 13.5	7.7 methylene chloride
B28b-SB03-2-S	12-Aug-94	9.5 - 10.0	9.0 methylene chloride 2.0 trichlorofluoromethane 0.5 toluene 2.0 trichloroethene 2.0 toluene

Soil gas survey samples collected at SWMU B-28c were non-detect for VOCs.

Benzene, chlorobenzene, trichloroethene, and toluene concentrations were reported at 15 feet in boring SB05, however, the detections were below their respective VOC closure goals. Trichlorofluoromethane, methylene chloride and toluene, which were also found in SB01, SB02, and SB03, were detected in the trip blank associated with this soil sampling event, which indicates that these VOCs are not representative of soil conditions.

this SWMU and that the site be closed with regard to the chemicals of concern and without land use restrictions.

5. PUBLIC/COMMUNITY INVOLVEMENT

It is U.S. Department of Defense and Army policy to involve the local community throughout the investigation process at an installation. To initiate this involvement, HWAD has established a repository in the local public library, which includes final copies of all past studies and documents regarding environmental issues at the facility. This repository will be maintained and updated with all future final documents as they are issued to HWAD.

HWAD has solicited community participation in establishment of the restoration advisory board (RAB). However, because of insufficient public response, HWAD has not formed a RAB. HWAD will continue to solicit community involvement.

6. DECLARATION

The selected remedy is protective of human health and the environment. It has been shown that a complete exposure pathway to human health and the environment does not exist, and there is no potential for such an exposure pathway to be completed in the future.

U.S. ARMY

4 Nov 99
Date

James A. Piner
Lieutenant Colonel, U.S. Army
Commanding

STATE OF NEVADA

22 Nov. 1999
Date

Paul Liebendorfer
Chief, Bureau of Federal
Facilities

REFERENCES

Jacobs Engineering. 1988. Facility Assessment, Hawthorne Army Ammunition Plant, TES IV Work Assignment No. 419.

RAI. 1992. Site Screening Inspection (SSI) for the Hawthorne Army Ammunition Plant, Hawthorne, NV. Prepared for the U.S. Army Corps of Engineers Toxic and Hazardous Materials Agency by Resource Applications, Inc., Falls Church, VA. December, 1992. Contract No. DAAA 15-90-D-003, Task 5.

Tetra Tech. 1993. Draft Technical Memorandum for Group B SWMUs, Hawthorne Army Ammunition Plant. November 22, 1993.

Tetra Tech. 1994a. Remedial Investigation, Group B SWMUs, Final Work Plan, Volume 1, Investigation Description, and Volume 2, Sampling and Analysis Plans, Hawthorne Army Ammunition Plant. May, 1994.

Tetra Tech. 1994b. Site Safety and Health Plan, Hawthorne Army Ammunition Plant. June, 1994.

Tetra Tech. 1994c. Final Chemical Data Acquisition Plan, Hawthorne Army Ammunition Plant. June 28, 1994.

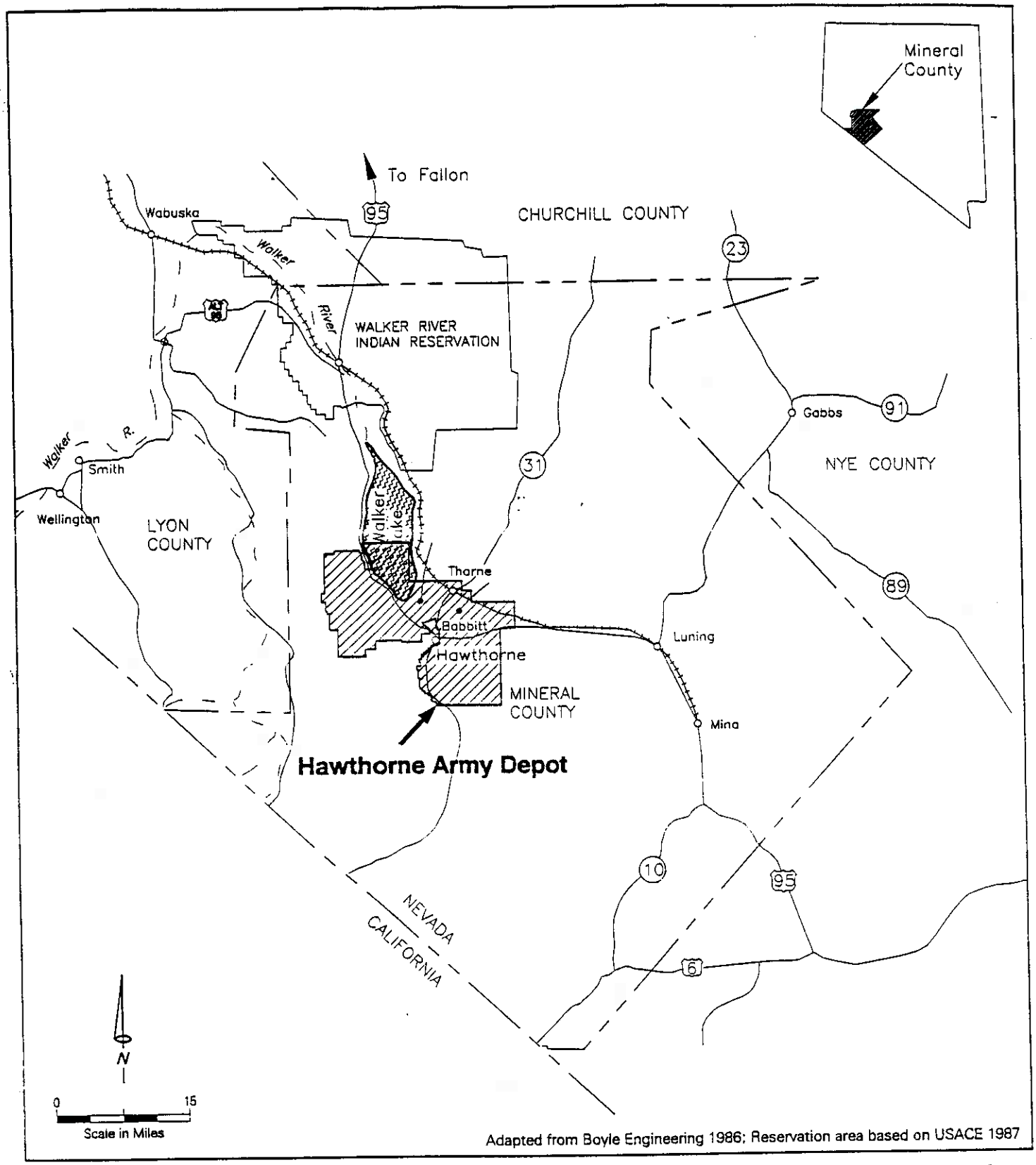
Tetra Tech. 1995. Group B Chemical Data Submittal, Hawthorne Army Ammunition Plant. March, 1995.

Tetra Tech. 1996. Hawthorne Army Depot Remedial Investigation Group B Solid Waste Management Units, Final Closure Report, SWMU A-03 Coal Ash Landfill, SWMU B-28a 108-20a EO Spill Impoundment, SWMU B-28b 108-20b EO spill Impoundment, SWMU B-28c 104-8 EO Spill Impoundment, SWMU B-28d 104-10 EO Spill Impoundment, SWMU I-14 Bldg 46 Spill Site, SWMU J-04 107 Drum Storage, SWMU J-05 Dock 1 Landfill, SWMU J-06 Dock 2 Landfill, SWMU J-07 Dock 3 Landfill, SWMU J-08 Dock 4 Landfill, SWMU J-09 Dock 5 Landfill, SWMU J-10 Dock 6 Landfill, SWMU J-13 WADF South Dump, SWMU J-17 Thorne Drum Area, SWMU J-21 Bldg 97 Old Dock Area, SWMU J-22 50 Group Pits, SWMU J-24 Trench near 50-60.

USACE. 1993. Installation Action Plan for Hawthorne Army Ammunition Plant (HWAAP), prepared by S. Hong.

USAEHA. 1988. Ground Water Contamination Survey No. 38-26-0850-88. Evaluation of Solid Waste Management Units, Hawthorne Army Ammunition Plant, Hawthorne, Nevada, 12-19 May, 1987 and 1-5 August, 1988. U.S. Army Environmental Hygiene Agency.

Figures



Adapted from Boyle Engineering 1986; Reservation area based on USACE 1987

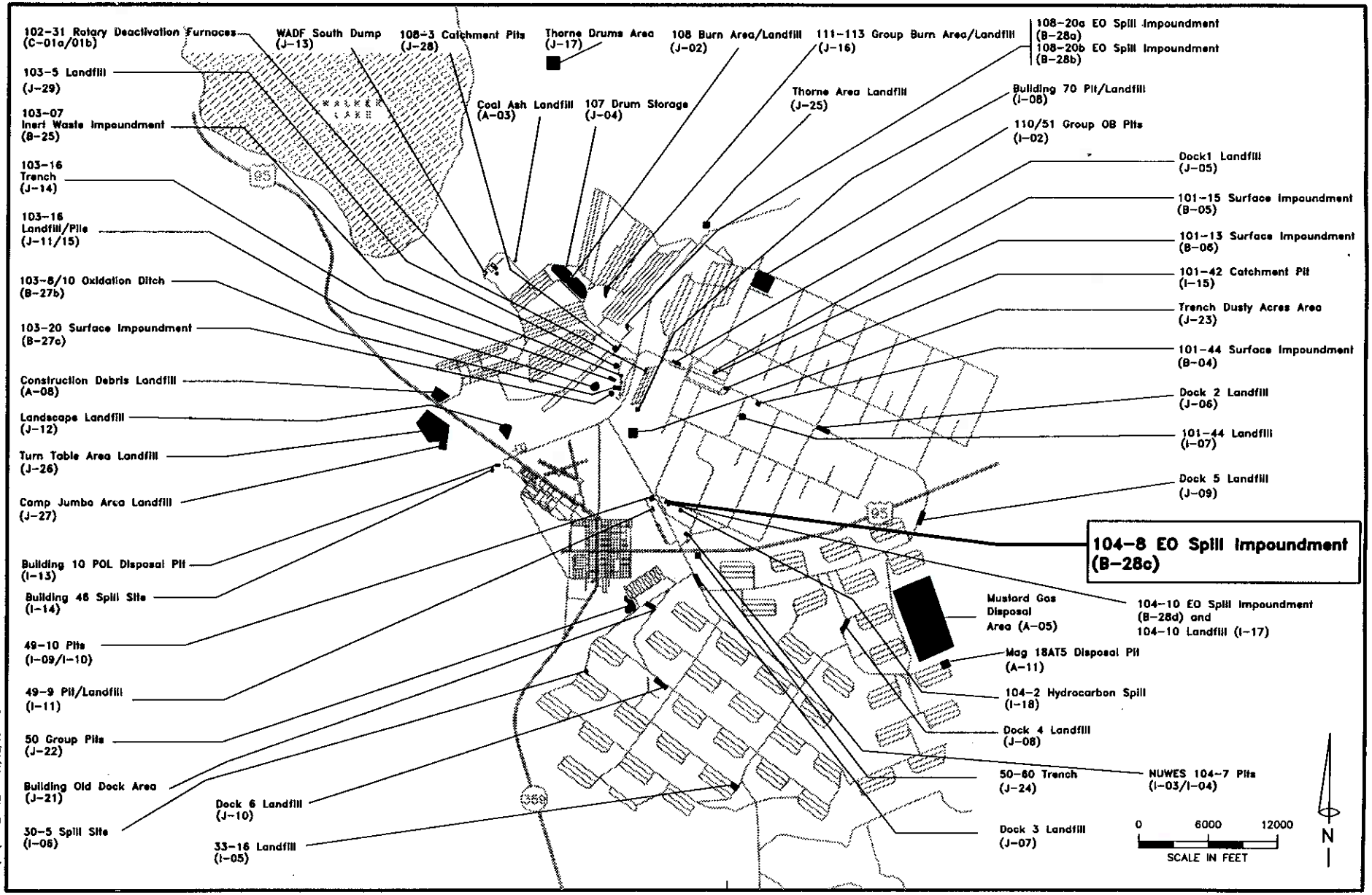
Location Map

Legend

Hawthorne Army Depot

Hawthorne Army Depot
Hawthorne, Nevada

Tetra Tech, Inc.

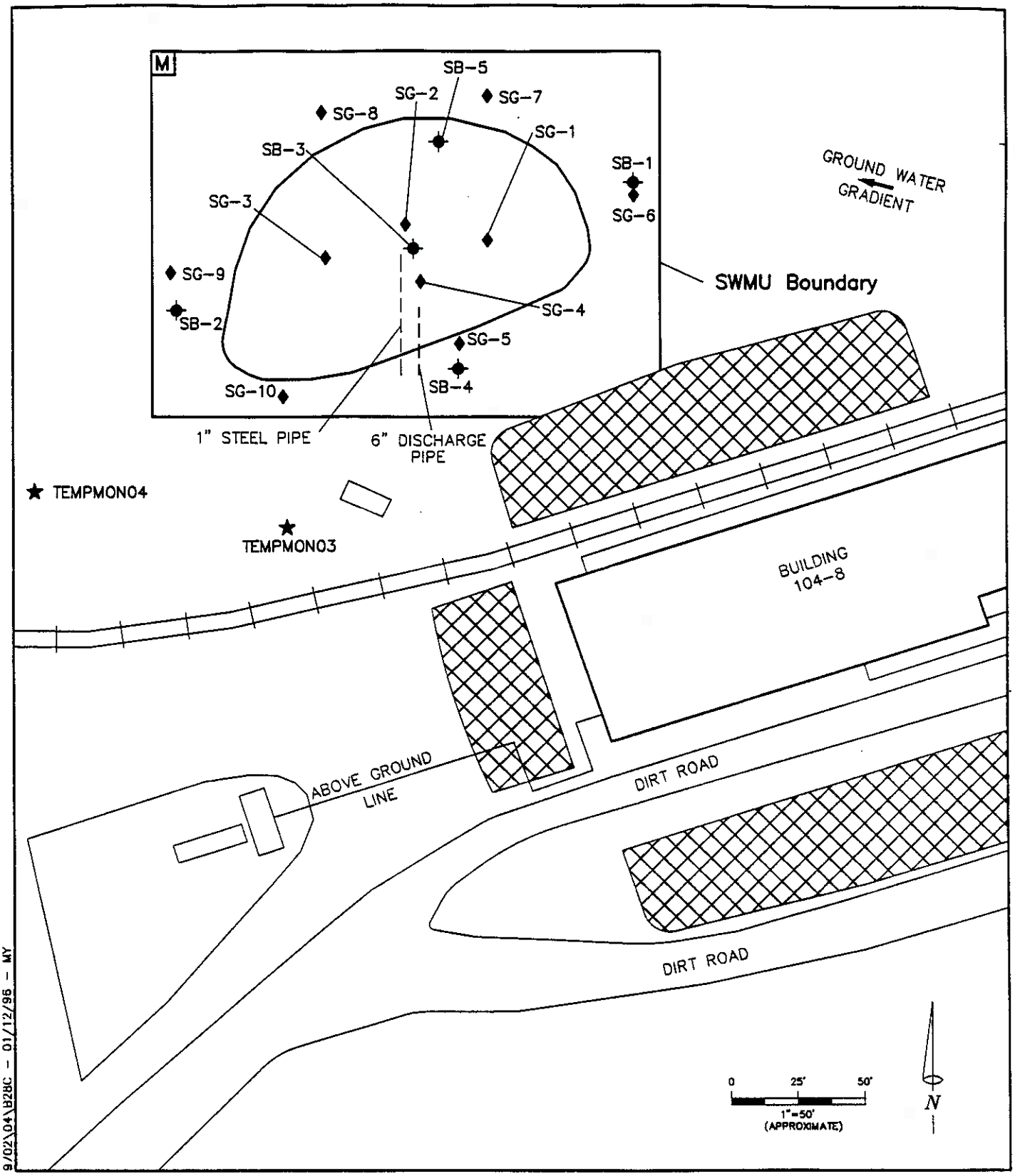


TETRA TECH

Location Map
Hawthorne Army Depot

Hawthorne, Nevada

Figure SWMU-B-28c-1



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LEGEND:

- ★ SWMU Reference point
- ♦ SG-X Soil gas sample location and number
- ✦ SB-X Soil boring location and number
- Explosion barrier
- M Monument location

Source: Base map digitized from Aerial Photo Survey, June 1994. Geophysical data from Geophysical Survey, NORCAL, August 1994.

TETRA TECH

Activity Map
SWMU B-28c
104-8 EO Spill Impoundment

Hawthorne Army Depot
Hawthorne, Nevada

Figure B-28c-2

Appendix A

Proposed Closure Goals
Hawthorne Army Depot
Hawthorne, Nevada

Constituent of Concern	Chemical Classification	Carcinogenic (C) or Non-carcinogenic (NC)	HWAD Proposed Closure Goals for Soil (mg/kg)	HWAD Proposed Closure Goal Source
Nitrate	Anion	NC	128,000	Calculated Subpart S[a]
2-Amino-dinitrotoluene	Explosive	NC	-	NA[b]
4-Amino-dinitrotoluene	Explosive	NC	-	NA
1,3-Dinitrobenzene	Explosive	NC	8	Calculated Subpart S
2,4-Dinitrotoluene	Explosive	NC	160	Calculated Subpart S
2,6-Dinitrotoluene	Explosive	NC	80	Calculated Subpart S
HMX	Explosive	NC	4,000	Calculated Subpart S
Nitrobenzene	Explosive	NC	40	Calculated Subpart S
Nitrotoluene (2-, 3-, 4-)	Explosive	NC	800	Calculated Subpart S
RDX	Explosive	NC	64	Calculated Subpart S
Tetryl	Explosive	NC	800	Calculated Subpart S
1,3,5-Trinitrobenzene	Explosive	NC	4	Calculated Subpart S
2,4,6-Trinitrotoluene	Explosive	C	233	Calculated Subpart S
Aluminum	Metal	NC	80,000	Calculated Subpart S
Arsenic (cancer endpoint)	Metal	C & NC	30	Background[c]
Barium and compounds	Metal	NC	5,600	Calculated Subpart S
Beryllium and compounds	Metal	C	1	Background
Cadmium and compounds	Metal	NC	40	Calculated Subpart S
Chromium III and compounds	Metal	NC	80,000	Calculated Subpart S
Lead	Metal	NC	1000	PRG[d]
Mercury and compounds (inorganic)	Metal	NC	24	Calculated Subpart S
Selenium	Metal	NC	400	Calculated Subpart S
Silver and compounds	Metal	NC	400	Calculated Subpart S
Acenaphthene	PAH	NC	4,800	Calculated Subpart S
Benzo[a]anthracene	PAH	C	0.96	Calculated Subpart S
Benzo[a]pyrene	PAH	C	0.10	Detection Limit[e]
Benzo[b]fluoranthene	PAH	C	0.96	Calculated Subpart S
Benzo[k]fluoranthene	PAH	C	10	Calculated Subpart S
Chrysene	PAH	C	96	Calculated Subpart S
Dibenz[ah]anthracene	PAH	C	0.96	Calculated Subpart S
Fluoranthene	PAH	NC	3,200	Calculated Subpart S
Fluorene	PAH	NC	3,200	Calculated Subpart S
Indeno[1,2,3-cd]pyrene	PAH	C	-	NA
Naphthalene	PAH	NC	3,200	Calculated Subpart S
Pyrene	PAH	NC	2,400	Calculated Subpart S
Total Petroleum Hydrocarbons as Diesel (TPH-d)	PAH	C	100	NDEP Level Clean-up[f]
Polychlorinated biphenyls (PCBs)	PCBs	C	25	TSCA[g]
Bis(2-ethylhexyl)phthalate (DEHP)	SVOC	C	1,600	Calculated Subpart S
Bromoform (tribromomethane)	SVOC	C	89	Calculated Subpart S

Proposed Closure Goals
Hawthorne Army Depot
Hawthorne, Nevada

Constituent of Concern	Chemical Classification	Carcinogenic (C) or Non-carcinogenic (NC)	HWAD Proposed Closure Goals for Soil (mg/kg)	HWAD Proposed Closure Goal Source
Butyl benzyl phthalate	SVOC	NC	16,000	Calculated Subpart S
Dibromochloromethane	SVOC	C	83	Calculated Subpart S
Dibutyl-phthalate	SVOC	NC	8,000	Calculated Subpart S
Diethyl phthalate	SVOC	NC	64,000	Calculated Subpart S
Phenanthrene	SVOC		-	NA
Phenol	SVOC	NC	48,000	Calculated Subpart S
Acetone	VOC	NC	800	Calculated Subpart S
Anthracene	VOC	NC	24,000	Calculated Subpart S
Benzene	VOC	C	24	Calculated Subpart S
Bis(2-chloroisopropyl)ether	VOC	C	3,200	Calculated Subpart S
Bromomethane	VOC	NC	112	Calculated Subpart S
Carbon tetrachloride	VOC	C	5	Calculated Subpart S
Chlorobenzene	VOC	NC	1,600	Calculated Subpart S
Chloroform	VOC	C	115	Calculated Subpart S
Chloromethane	VOC	C	538	Calculated Subpart S
Dibromomethane	VOC	C	0.008	Calculated Subpart S
1,2-Dichlorobenzene	VOC	NC	7,200	Calculated Subpart S
1,4-Dichlorobenzene	VOC	C	18,300	Calculated Subpart S
Dichlorodifluoromethane	VOC	C	16,000	Calculated Subpart S
Ethylbenzene	VOC	NC	8,000	Calculated Subpart S
Methylene bromide	VOC	NC	800	Calculated Subpart S
Methylene chloride	VOC	C	4,800	Calculated Subpart S
2-Methylnaphthalene	VOC		-	NA
1,1,2,2-Tetrachloroethane	VOC	C	35	Calculated Subpart S
Tetrachloroethylene (PCE)	VOC	C & NC	800	Calculated Subpart S
Toluene	VOC	NC	16,000	Calculated Subpart S
1,1,1-Trichloroethane	VOC	NC	7,200	Calculated Subpart S
Trichloroethylene (TCE)	VOC	C & NC	480	Calculated Subpart S
Trichlorofluoromethane	VOC	NC	24,000	Calculated Subpart S
1,2,3-Trichloropropane	VOC	C	480	Calculated Subpart S
Vinyl chloride	VOC	C	0.37	Calculated Subpart S
Xylene Total (m-, o-, p-)	VOC	NC	160,000	Calculated Subpart S
2,3,7,8-TCDD	Dioxin	C	0.000005	Calculated Subpart S

[a] RCRA 55 FR 30870

[b] Not available

[c] Highest background concentration detected in 50 background soil samples

[d] Smucker, Stanford J. USEPA Rgion IX, Preliminary Remedial Goals, Second Half, Sep. 1995

[e] Method detection limit for Volatile Organic Compounds by EPA Method 8260 or Semi-Volatile Organic Compounds analyzed by EPA Method 8270

[f] Nevada Division of Environmental Protection

[g] Cleanup level for PCB spills in accordance with Toxic Substance and Control Act Spill Policy Guidelines 40 CFR 761

Appendix B

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Benzyl chloride	< 0.7	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Chloromethane	< 0.7	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Dibromochloromethane	< 0.7	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Methylene chloride	6.1	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Tetrachloroethene	< 0.7	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB01-1-S	11.5-12.0	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB01-1-S	11.5-12.0	8/11/94	D2216	Moisture/TNFR	16	percent	
B28c-SB01-1-S	11.5-12.0	8/11/94	D2216	Moisture/TNFR	14	percent	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	

Summary Table of Analytical Data

SWMU B28c - 104-8 EO Spill Impoundment

Hawthorne Army Depot

Hawthorne, Nevada

January 1996

FINAL

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Benzyl chloride	< 0.7	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Chloromethane	< 0.7	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Dibromochloromethane	< 0.7	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Methylene chloride	4.7	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Tetrachloroethene	< 0.7	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB01-1-SD (DP1	11.5-12.0	8/11/94	D2216	Moisture/TNFR	16	percent	

B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Chloromethane	< 0.6	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB01-2-S	16.0-16.5	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB01-2-S	16.0-16.5	8/11/94	D2216	Moisture/TNFR	11	percent	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Chloromethane	< 0.6	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB01-3-S	21.0-21.5	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB01-3-S	21.0-21.5	8/11/94	D2216	Moisture/TNFR	1.2	percent	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.5	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,1,2-Trichloroethane	< 0.5	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,2,3-Trichloropropane	< 1	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,2-Dichloropropane	< 1	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	1,4-Dichlorobenzene	< 0.5	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Benzyl chloride	< 0.7	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Bromobenzene	< 0.5	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Chloroethane	< 0.2	ug/kg	

Summary Table of Analytical Data

SWMU B28c - 104-8 EO Spill Impoundment

Hawthorne Army Depot

Hawthorne, Nevada

January 1996

FINAL

FINAL

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Chloromethane	< 0.7	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Dibromochloromethane	< 0.7	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Methylene chloride	7.7	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Tetrachloroethene	< 0.7	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Toluene	< 0.5	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB02-1-S	13.0-13.5	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB02-1-S	13.0-13.5	8/12/94	D2216	Moisture/TNFR	21	percent	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Bromobenzene	< 0.4	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Chloromethane	< 0.6	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Methylene chloride	< 0.4	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Toluene	< 0.4	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB02-2-S	19.5-20.0	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB02-2-S	19.5-20.0	8/12/94	D2216	Moisture/TNFR	11	percent	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Bromobenzene	< 0.4	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Chloromethane	< 0.6	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Methylene chloride	< 0.4	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Toluene	< 0.4	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB03-1-S	6.0-6.5	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB03-1-S	6.0-6.5	8/12/94	D2216	Moisture/TNFR	1.2	percent	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Bromobenzene	< 0.4	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Chloromethane	< 0.6	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Methylene chloride	9	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Toluene	0.5	ug/kg	J
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Trichlorofluoromethane	2	ug/kg	R
B28c-SB03-2-S	9.5-10.0	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB03-2-S	9.5-10.0	8/12/94	D2216	Moisture/TNFR	9.9	percent	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Benzene	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Benzyl chloride	< 0.7	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Bromobenzene	< 0.4	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Bromoform	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Bromomethane	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Chlorobenzene	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Chloroethane	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Chloroform	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Chloromethane	< 0.7	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Dibromochloromethane	< 0.7	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Methylene chloride	< 0.4	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Tetrachloroethene	< 0.7	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Toluene	< 0.4	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Total Xylene Isomers	< 0.7	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Trichloroethene	< 1	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	UJ-
B28c-SB03-2-SD (DP1	9.5-10.0	8/12/94	D2216	Moisture/TNFR	17	percent	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.5	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,1,2-Trichloroethane	< 0.5	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,2,3-Trichloropropane	< 1	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,2-Dichloropropane	< 1	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	1,4-Dichlorobenzene	< 0.5	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Benzyl chloride	< 0.7	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Bromobenzene	< 0.5	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Chloromethane	< 0.7	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Dibromochloromethane	< 0.7	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Methylene chloride	< 0.5	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Tetrachloroethene	< 0.7	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Toluene	< 0.5	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB03-3-S	13.0-13.5	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB03-3-S	13.0-13.5	8/12/94	D2216	Moisture/TNFR	20	percent	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Bromobenzene	< 0.4	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Chloromethane	< 0.6	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Methylene chloride	< 0.4	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Toluene	< 0.4	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB04-1-S	10.5-11.0	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB04-1-S	10.5-11.0	8/12/94	D2216	Moisture/TNFR	1.2	percent	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Benzyl chloride	< 0.7	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Bromobenzene	< 0.4	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Chloromethane	< 0.7	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Dibromochloromethane	< 0.7	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Methylene chloride	< 0.4	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Tetrachloroethene	< 0.7	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Toluene	< 0.4	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB04-2-S	15.0-15.5	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB04-2-S	15.0-15.5	8/12/94	D2216	Moisture/TNFR	19	percent	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Bromobenzene	< 0.4	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Chloroform	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Chloromethane	< 0.6	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Methylene chloride	< 0.4	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Toluene	< 0.4	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB04-3-S	20.0-20.5	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB04-3-S	20.0-20.5	8/12/94	D2216	Moisture/TNFR	4.9	percent	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Bromobenzene	< 0.4	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Chloromethane	< 0.6	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Methylene chloride	< 0.4	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Toluene	< 0.4	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB05-1-S	11.5-12.0	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB05-1-S	11.5-12.0	8/12/94	D2216	Moisture/TNFR	2.1	percent	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Benzene	1.5	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Bromobenzene	< 0.4	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Chlorobenzene	3	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Chloromethane	< 0.6	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Methylene chloride	7.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Toluene	2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Trichloroethene	2	ug/kg	J
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB05-2-S	15.0-15.5	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB05-2-S	15.0-15.5	8/12/94	D2216	Moisture/TNFR	14	percent	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,1,1,2-Tetrachloroethane	< 0.5	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,1,2-Trichloroethane	< 0.5	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,2,3-Trichloropropane	< 1	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,2-Dichloropropane	< 1	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	1,4-Dichlorobenzene	< 0.5	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Benzene	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Benzyl chloride	< 0.7	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Bromobenzene	< 0.5	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Bromoform	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Bromomethane	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Chloroethane	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Chloroform	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Chloromethane	< 0.7	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Dibromochloromethane	< 0.7	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Dibromomethane	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Methylene chloride	< 0.5	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Tetrachloroethene	< 0.7	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Toluene	< 0.5	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Trichloroethene	< 1	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28c-SB05-3-S	21.5-22.0	8/12/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28c-SB05-3-S	21.5-22.0	8/12/94	D2216	Moisture/TNFR	20	percent	

Summary Table of Analytical Data

SWMU B28c - 104-8 EO Spill Impoundment

Hawthorne Army Depot

Hawthorne, Nevada

January 1996

FINAL

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SG01	5.0	7/3/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8010	Chloroform	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8010	Methylene Chloride	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8010	Tetrachloroethene	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8010	Trichloroethene	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8020	Benzene	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8020	Ethylbenzene	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8020	Toluene	< 1	ug/L	
B28c-SG01	5.0	7/3/94	M8020	Total FID Volatiles	< 10	ug/L	
B28c-SG01	5.0	7/3/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8010	Chloroform	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8010	Methylene Chloride	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8010	Tetrachloroethene	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8010	Trichloroethene	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8020	Benzene	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8020	Ethylbenzene	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8020	Toluene	< 1	ug/L	
B28c-SG02	5.0	7/3/94	M8020	Total FID Volatiles	< 10	ug/L	
B28c-SG02	5.0	7/3/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8010	Chloroform	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8010	Methylene Chloride	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8010	Tetrachloroethene	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8010	Trichloroethene	< 1	ug/L	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SG03	5.0	7/3/94	M8020	Benzene	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8020	Ethylbenzene	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8020	Toluene	< 1	ug/L	
B28c-SG03	5.0	7/3/94	M8020	Total FID Volatiles	< 10	ug/L	
B28c-SG03	5.0	7/3/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8010	Chloroform	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8010	Methylene Chloride	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8010	Tetrachloroethene	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8010	Trichloroethene	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8020	Benzene	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8020	Ethylbenzene	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8020	Toluene	< 1	ug/L	
B28c-SG04	5.0	7/3/94	M8020	Total FID Volatiles	< 10	ug/L	
B28c-SG04	5.0	7/3/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8010	Chloroform	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8010	Methylene Chloride	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8010	Tetrachloroethene	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8010	Trichloroethene	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8020	Benzene	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8020	Ethylbenzene	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8020	Toluene	< 1	ug/L	
B28c-SG05	5.0	7/3/94	M8020	Total FID Volatiles	< 10	ug/L	
B28c-SG05	5.0	7/3/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8010	Carbon Tetrachloride	< 1	ug/L	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SG06	5.0	7/2/94	M8010	Chloroform	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8010	Methylene Chloride	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8010	Tetrachloroethene	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8010	Trichloroethene	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8020	Benzene	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8020	Ethylbenzene	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8020	Toluene	< 1	ug/L	
B28c-SG06	5.0	7/2/94	M8020	Total FID Volatiles	< 10	ug/L	
B28c-SG06	5.0	7/2/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8010	Chloroform	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8010	Methylene Chloride	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8010	Tetrachloroethene	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8010	Trichloroethene	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8020	Benzene	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8020	Ethylbenzene	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8020	Toluene	< 1	ug/L	
B28c-SG07	5.0	7/2/94	M8020	Total FID Volatiles	< 10	ug/L	
B28c-SG07	5.0	7/2/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8010	Chloroform	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8010	Methylene Chloride	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8010	Tetrachloroethene	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8010	Trichloroethene	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8020	Benzene	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8020	Ethylbenzene	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8020	Toluene	< 1	ug/L	
B28c-SG08	5.0	7/2/94	M8020	Total FID Volatiles	< 10	ug/L	
B28c-SG08	5.0	7/2/94	M8020	Total Xylene Isomers	< 1	ug/L	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28c-SG09	5.0	7/3/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8010	Chloroform	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8010	Methylene Chloride	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8010	Tetrachloroethene	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8010	Trichloroethene	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8020	Benzene	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8020	Ethylbenzene	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8020	Toluene	< 1	ug/L	
B28c-SG09	5.0	7/3/94	M8020	Total FID Volatiles	< 10	ug/L	
B28c-SG09	5.0	7/3/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8010	Chloroform	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8010	Methylene Chloride	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8010	Tetrachloroethene	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8010	Trichloroethene	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8020	Benzene	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8020	Ethylbenzene	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8020	Toluene	< 1	ug/L	
B28c-SG10	5.0	7/3/94	M8020	Total FID Volatiles	< 10	ug/L	
B28c-SG10	5.0	7/3/94	M8020	Total Xylene Isomers	< 1	ug/L	

Appendix C

Survey Data at SWMU B-28c
Hawthorne Army Depot
Hawthorne, Nevada

Point Name	Northing	Easting
TEMPMON04	494405.64	1378249.57
TEMPMONO3	494501.65	1378235.97
SB-1	494632.18	1378363.72
SB-2	494459.41	1378316.8
SB-3	494549.2	1378339.7
SB-4	494566.09	1378295.27
SB-5	494558.95	1378378.68
SG-1	494577.25	1378342.61
SG-10	494500.31	1378284.73
SG-2	494546.37	1378348.38
SG-3	494516.62	1378336.07
SG-4	494552.07	1378327.33
SG-5	494566.68	1378304.4
SG-6	494632.46	1378358.99
SG-7	494577.27	1378395.4
SG-8	494515.2	1378389.25
SG-9	494457.4	1378330.63

Footnote: Survey data in Nevada State Plane West, 1927 coordinates.

Appendix D

B-28c, View to west of impoundment, discharge pipe to left. #R3-P10/11, 11/3/93

SWMU B-28c (after)
104-8 Ethylene Oxide Pit