DECISION DOCUMENT
104-8 ETHYLENE OXIDE SPILL IMPOUNDMENT, SWMU B-28d
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-28d, 104-10 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-28d was described as an open evaporation pond designed to capture spills of ethylene oxide originating from operations in Building 104-8 (USAEHA, 1988).

The impoundment is unlined and 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 inspected the site in November 1993. The impoundment is located about 90 feet from the secondary containment berm of an aboveground tank installation southeast of Building 104-8. The impoundment is an irregular, semi-round unlined excavation, approximately 125 feet from the headworks to the outer edge of the opposite berm, and about 60 feet across the interior base. The depth of the impoundment is about 8 feet from the bottom to the top of the berms.

The headworks of the impoundment include a small (about 15 gallon) aboveground metal tank (possibly a settling tank) apparently fed by a one-inch diameter galvanized underground pipe. The discharge pipes from the tank run into the impoundment. The setup suggests that the rate of flow into the impoundment would have been small. Adjacent to the small aboveground tank is an underground pipeline with gate valves to control flow. Inside the impoundment, two discharge pipes are connected in an apparatus that appeared to allow mixing of water from two sources, possibly allowing wastewater to be mixed with clean water.

A small quantity (less than 1 cubic foot) of an unidentified solid material was observed near the point of discharge to the impoundment. It appears to represent the contents of a small container dumped on the floor of the impoundment.

The capacity of the impoundment is apparently limited by a trench at the southeast end of the impoundment that would have allowed water to flow out of the impoundment whenever the water level in the impoundment exceeded about 2 feet.

The depth to the water table in this area was estimated to be about the same as at SWMU B-27c (greater than 170 feet), and the gradient may be influenced by the pumping of municipal wells located southwest of the site.

Tetra Tech conducted a basewide ground water level survey in March, 1994. Based on this survey, ground water at SWMU B-28d was estimated at a depth of 195 feet. (4075 msl).

1.3 Chemicals of Concern

The chemical of concerns at SWMU B-28d 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

No volatile organic compounds (VOCs) or BTEX (benzene, toluene, ethylbenzene and xylenes) concentrations were detected in the 10 soil gas survey samples.

VOCs were detected in four subsurface samples collected. VOCs detected in these samples included trichloromethane and methylene chloride. These VOCs are believed to be associated with the analytical laboratory equipment/ process and do not represent soil conditions at the site. This was based on the frequency of occurrence of these chemicals in other trip blanks and samples analyzed during this investigation. Therefore, the levels of VOCs detected in the soil are not representative contaminants at this SWMU. Dibromochloromethane was also detected at a concentration of 62 mg/kg, however this concentration is less than the closure goal of 8,300 mg/kg, and therefore is not a threat to human health or the environment. The unidentified solid material at the site was not sampled during this investigation and was not observed during completion of the remedial action.

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-28d 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-28d-2 shows the locations of the actual field investigation activities at SWMU B-28d. A permanent monument was installed and surveyed, and 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
Site Preparation - AST[a] removal prior to geophysical survey. Analyze and dispose of approximately 1 cu. ft. of unidentified solid material from impoundment.	**Site Preparation** - Obtained bids for removal of AST	Geophysical survey partially performed without tank removal. Unidentified solid material not removed.
Geophysics - Line locator, video survey of line.	**Geophysics** - Line locator	Could not conduct video survey because of safety issues.
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[b] sounding at 2 locations to 20 ft. CPT sampling at 5 locations to 20 ft, 4 samples per location	**Subsurface Sampling** - CPT sounding at 2 locations to 20 ft. CPT sampling at 5 locations to 13.5 to 22 ft, 2 to 3 samples per location	Based upon CPT sounding results, 2 to 3 samples were collected at each location.
Surveying - GPS[c] 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]AST = Aboveground storage tank
[b]CPT = Cone penetrometer testing
[c]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	11, 15, 18	Y
SB02	12, 15, 20	Y
SB03	17, 24, 28	Y
SB04	20, 25	Y
SB05	17, 24	Y

3.1.3 Results

Line locating confirmed a galvanized pipe leading to the concrete collection area surrounding the EO tank.

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

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

TABLE 3 - SUMMARY OF SOIL GAS SURVEY 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				
B28d-SG-01	3-Jul-94	5.0	ND[a]	ND
B28d-SG-02	3-Jul-94	5.0	ND	ND
B28d-SG-03	3-Jul-94	5.0	ND	ND
B28d-SG-04	3-Jul-94	5.0	ND	ND
B28d-SG-05	2-Jul-94	5.0	ND	ND
B28d-SG-06	2-Jul-94	5.0	ND	ND
B28d-SG-07	2-Jul-94	5.0	ND	ND
B28d-SG-08	2-Jul-94	5.0	ND	ND
B28d-SG-09	2-Jul-94	5.0	ND	ND
B28d-SG-10	2-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)	VOCs (ug/kg) EPA Method 8260
Subsurface Sampling			
B28d-SB01-1-S	10-Aug-94	11.0-11.5	8.2 methylene chloride 4.4 trichlorofluoromethane
B28d-SB01-2-S	10-Aug-94	15.0-15.5	13 methylene chloride 2.6 trichlorofluoromethane
B28d-SB01-3-S	10-Aug-94	18.0-18.5	5.0 trichlorofluoromethane
B28d-SB02-1-S	11-Aug-94	11.5-12.0	ND[a]
B28d-SB02-2-S	11-Aug-94	15.0-15.5	ND
B28d-SB02-3-S	11-Aug-94	19.5-20.0	ND
B28d-SB03-1-S	11-Aug-94	17.0-17.5	ND
B28d-SB03-2-S	11-Aug-94	23.5-24.0	ND
B28d-SB03-3-S	11-Aug-94	28.0	ND
B28d-SB04-1-S	11-Aug-94	20.0	ND
B28d-SB04-2-S	11-Aug-94	25.0	62 dibromochloromethane
B28d-SB05-1-S	11-Aug-94	17.0-17.5	ND
B28d-SB05-2-S	11-Aug-94	24.0	ND

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

3.2 Remedial Actions

3.2.1 Summary of Remedial Alternatives

Remove the transite/metal input piping 8 feet from the discharge end. Inlet and outlet ends of pipe are to be permanently sealed with cement grout. It is also recommended that the impoundment be backfilled with clean soil and contoured to prevent infiltration and erosion.

3.2.2 Summary of Remedial Actions

The piping and the small aboveground tank were removed from the pit area. The piping was also removed from the point where it emerged from the other side of the road back to the ethylene oxide tank. The valve at the tank was plugged. The impoundment was backfilled with clean soil and contoured to the surrounding terrain. Photographs of the site before and after implementation of the remedial action are included at Appendix D.

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.

TABLE 5 - SUMMARY OF DETECTED CHEMICALS OF CONCERN

Sample Number	Sampled Date	Sample Depth (ft)	VOCs (ug/kg) EPA Method 8260
B28d-SB01-1-S	10-Aug-94	11.0-11.5	8.2 methylene chloride 4.4 trichlorofluoromethane
B28d-SB01-2-S	10-Aug-94	15.0-15.5	13 methylene chloride 2.6 trichlorofluoromethane
B28d-SB01-3-S	10-Aug-94	18.0-18.5	5.0 trichlorofluoromethane
B28d-SB04-2-S	11-Aug-94	25.0	62 dibromochloromethane

No VOCs or BTEX concentrations were detected in the 10 soil gas survey samples at concentrations greater than the laboratory method detection limits for VOCs and BTEX.

VOCs were detected in four subsurface samples collected. VOCs detected in these samples included trichloromethane and methylene chloride. These VOCs are believed to be associated with the analytical laboratory equipment/ process and do not represent soil conditions at the site. This was based on the frequency of occurrence of these chemicals in other trip blanks and samples analyzed during this investigation. Therefore, the levels of VOCs detected in the soil are not representative contaminants at this SWMU. Dibromochloromethane was also detected at a concentration of 62 mg/kg, however this concentration is less than the closure goal of 8,300 mg/kg, and therefore is not a threat to human health or the environment. The unidentified solid material at the site that was not sampled during this investigation, will be re-assessed to see if sampling, analysis and removal is warranted.

It is recommended that no further investigation be performed at this SWMU and that the site be closed with respect 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.

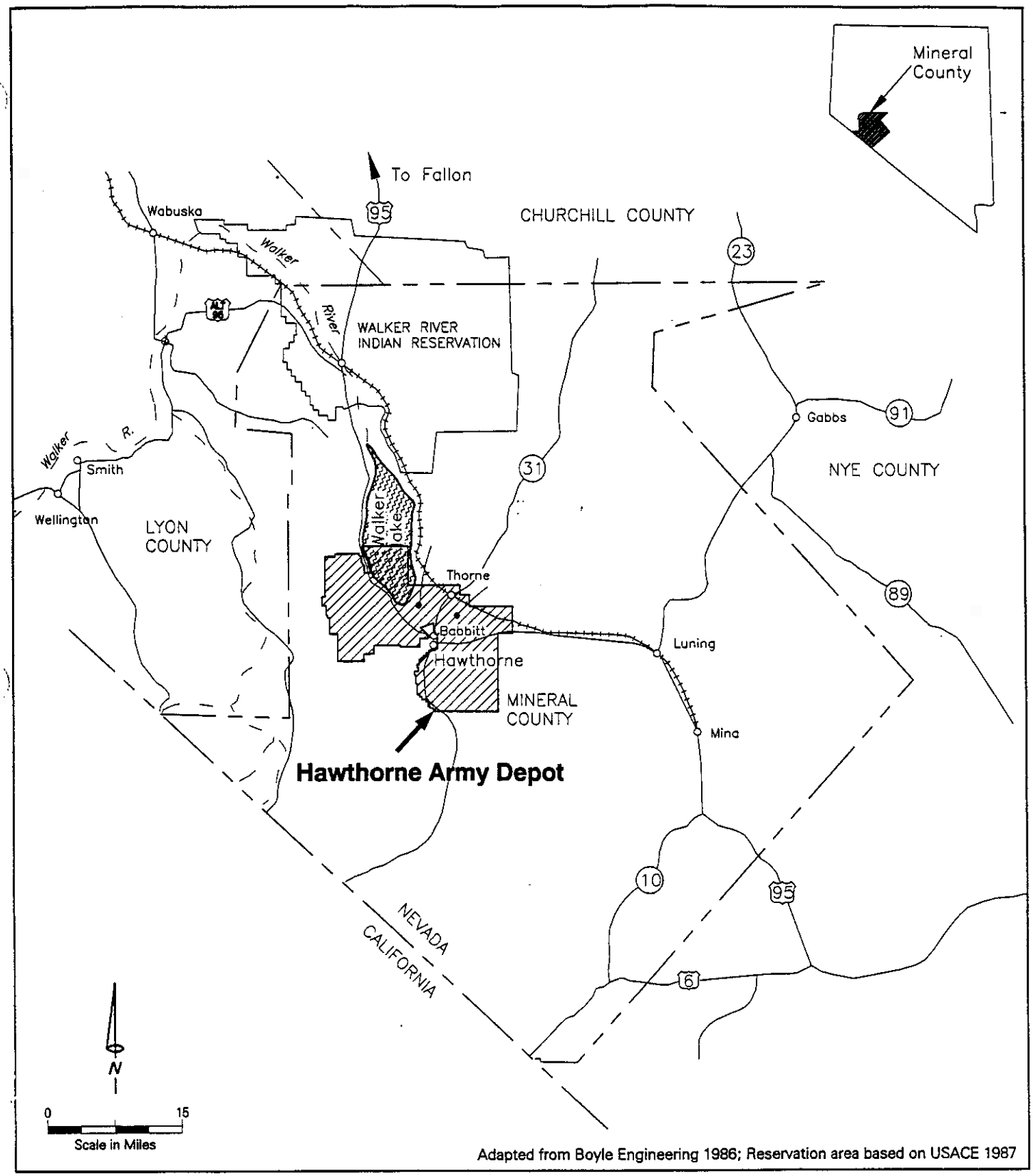
Tetra Tech. 1995. Group B Chemical Data Submittal, Hawthorne Army Ammunition Plant. March, 1995.

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

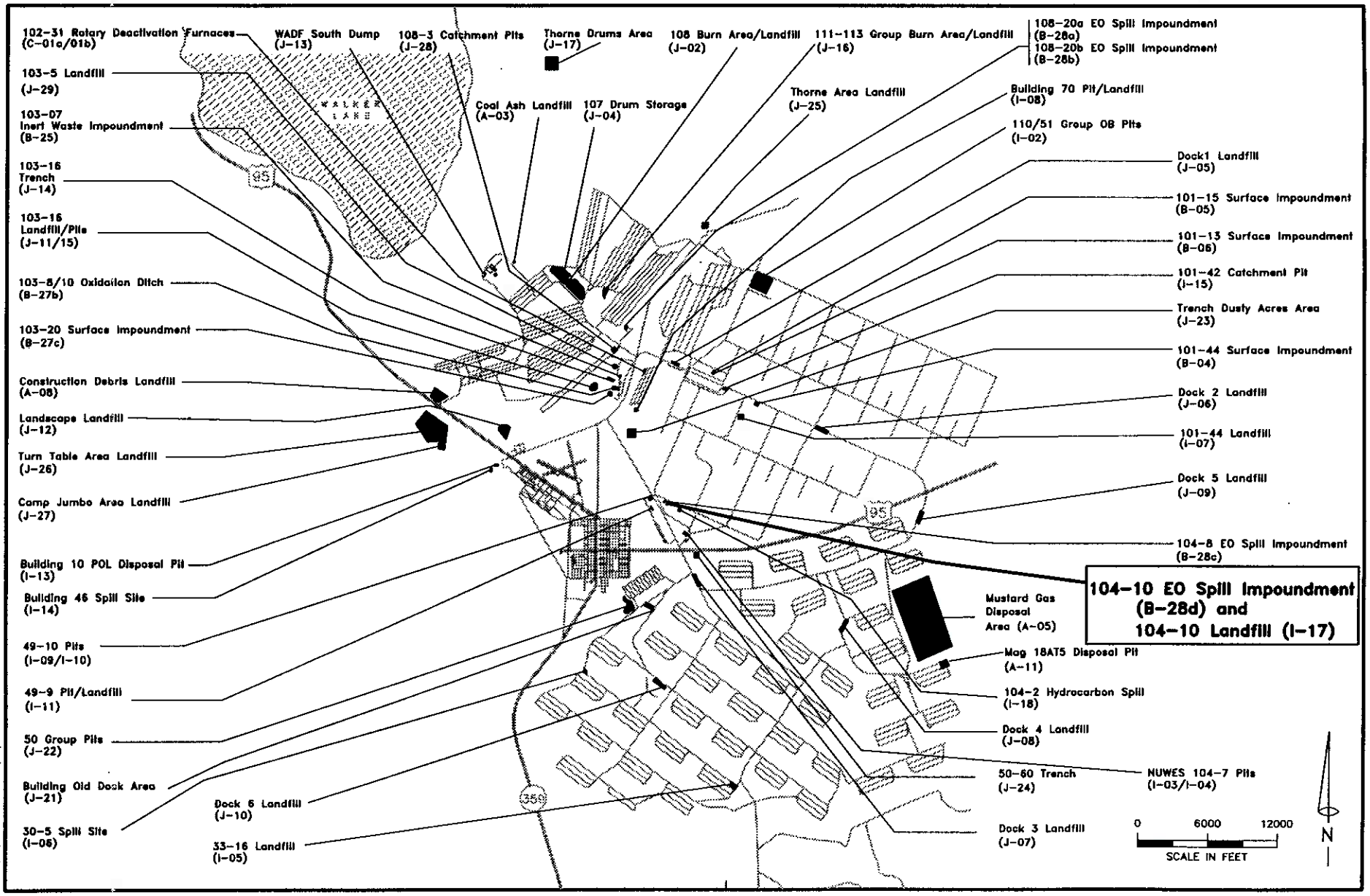
Location Map

Legend

Hawthorne Army Depot

Hawthorne Army Depot
Hawthorne, Nevada

Tetra Tech, Inc.

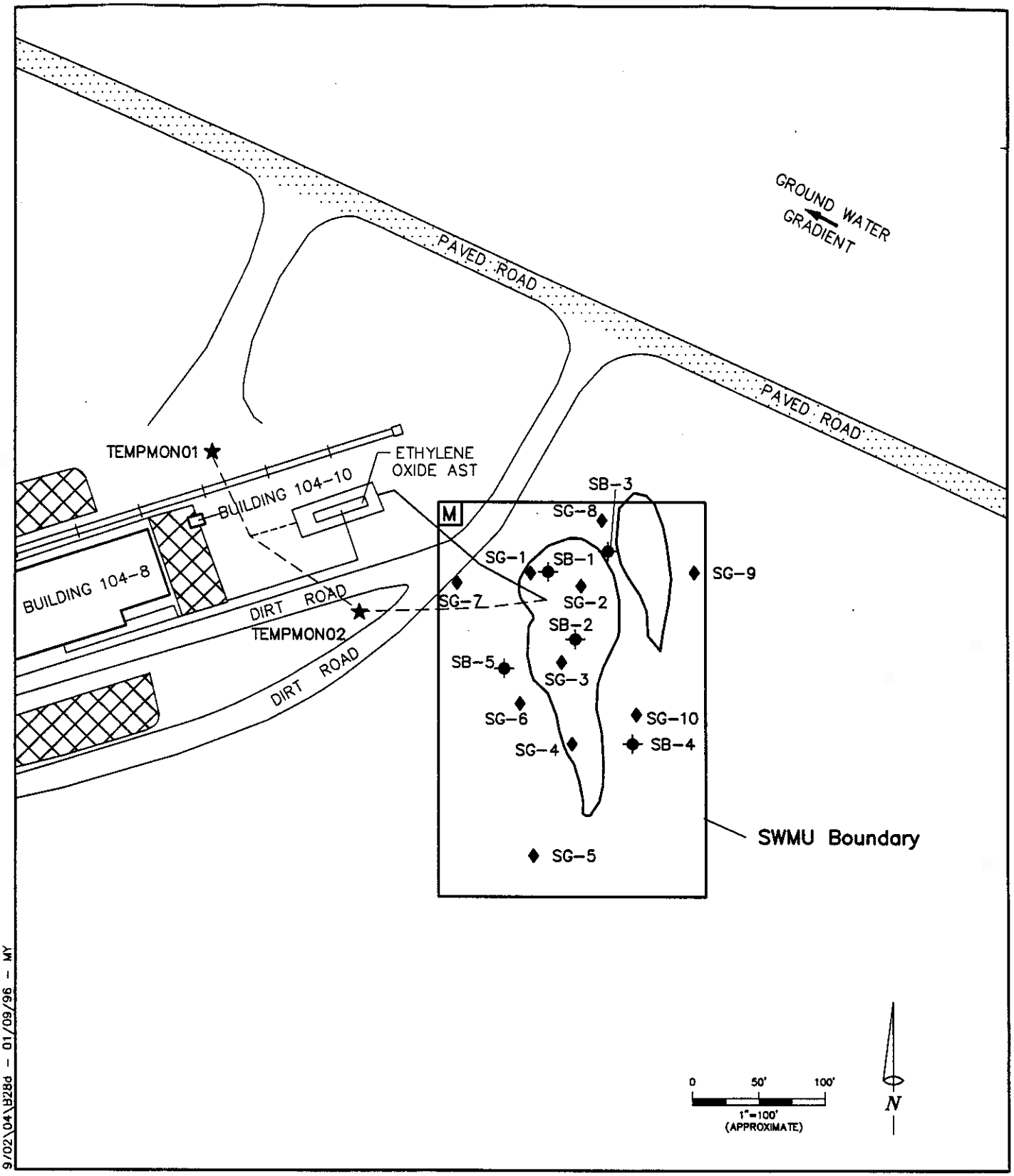


TETRA TECH

Location Map
Hawthorne Army Depot

Hawthorne, Nevada

Figure SWMU-B-28d-1



9/02\04\B28d - 01/09/96 - MY

LEGEND:

- ★ SWMU Reference point
- ♦ SG-X Soil gas sample location and number
- ✦ SB-X Soil boring location and number
- Explosion Barrier
- M Monument location
- — — — Water Line
- ——— Drain line

TETRA TECH

Activity Map
SWMU B-28d
104-10 EO Spill Impoundment

Hawthorne Army Depot
Hawthorne, Nevada

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

Figure B-28d-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

Summary Table of Analytical Data

SWMU B28d - 104-10 EO Spill Impoundment

Hawthorne Army Depot

Hawthorne, Nevada

January 1996

FINAL

FINAL

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Chloromethane	< 0.6	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Methylene chloride	8.2	ug/kg	U
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Trichlorofluoromethane	4.4	ug/kg	R
B28d-SB01-1-S	11.0-11.5	8/10/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB01-1-S	11.0-11.5	8/10/94	D2216	Moisture/TNFR	2.9	percent	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Benzyl chloride	< 0.7	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Chloromethane	< 0.7	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Dibromochloromethane	< 0.7	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Methylene chloride	13	ug/kg	U
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Tetrachloroethene	< 0.7	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Trichlorofluoromethane	2.6	ug/kg	R
B28d-SB01-2-S	15.0-15.5	8/10/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB01-2-S	15.0-15.5	8/10/94	D2216	Moisture/TNFR	18	percent	

B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,1,1,2-Tetrachloroethane	< 0.5	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,1,2-Trichloroethane	< 0.5	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,2,3-Trichloropropane	< 1	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,2-Dichloropropane	< 1	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	1,4-Dichlorobenzene	< 0.5	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Benzyl chloride	< 0.7	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Bromobenzene	< 0.5	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Chloromethane	< 0.7	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Dibromochloromethane	< 0.7	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Methylene chloride	< 0.5	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Tetrachloroethene	< 0.7	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Toluene	< 0.5	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Trichlorofluoromethane	5	ug/kg	R -
B28d-SB01-3-S	18.0-18.5	8/10/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB01-3-S	18.0-18.5	8/10/94	D2216	Moisture/TNFR	23	percent	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Chloromethane	< 0.6	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28d-SB02-1-S	11.5-12.0	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB02-1-S	11.5-12.0	8/11/94	D2216	Moisture/TNFR	3.1	percent	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Chloroform	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Chloromethane	< 0.6	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28d-SB02-2-S	15.0-15.5	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB02-2-S	15.0-15.5	8/11/94	D2216	Moisture/TNFR	1.1	percent	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Benzyl chloride	< 0.7	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Chloromethane	< 0.7	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Dibromochloromethane	< 0.7	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Tetrachloroethene	< 0.7	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28d-SB02-3-S	19.5-20.0	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB02-3-S	19.5-20.0	8/11/94	D2216	Moisture/TNFR	17	percent	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Chloromethane	< 0.6	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28d-SB03-1-S	17.0-17.5	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB03-1-S	17.0-17.5	8/11/94	D2216	Moisture/TNFR	1.8	percent	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Chloromethane	< 0.6	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28d-SB03-2-S	23.5-24.0	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB03-2-S	23.5-24.0	8/11/94	D2216	Moisture/TNFR	3.8	percent	

Summary Table of Analytical Data

SWMU B28d - 104-10 EO Spill Impoundment

Hawthorne Army Depot

Hawthorne, Nevada

January 1996

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB03-3-S	28	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Benzyl chloride	< 0.7	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Chloromethane	< 0.7	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Dibromochloromethane	< 0.7	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Tetrachloroethene	< 0.7	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB03-3-S	28	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28d-SB03-3-S	28	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB03-3-S	28	8/11/94	D2216	Moisture/TNFR	16	percent	

B28d-SB04-1-S	20	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB04-1-S	20	8/11/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Chloromethane	< 0.6	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB04-1-S	20	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28d-SB04-1-S	20	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB04-1-S	20	8/11/94	D2216	Moisture/TNFR	2.9	percent	
B28d-SB04-2-S	25	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	1,1,1-Trichloroethane	< 0.7	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	1,2-Dichloroethane	< 0.7	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB04-2-S	25	8/11/94	8260	2-Chloroethylvinylether	< 0.7	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Benzyl chloride	< 0.7	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Carbon Tetrachloride	< 0.7	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Chloromethane	< 0.7	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Dibromochloromethane	62	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Tetrachloroethene	< 0.7	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Total Xylene Isomers	< 0.7	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB04-2-S	25	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28d-SB04-2-S	25	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB04-2-S	25	8/11/94	D2216	Moisture/TNFR	19	percent	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Bromoform	< 0.2	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Chloromethane	< 0.6	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28d-SB05-1-S	17.0-17.5	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB05-1-S	17.0-17.5	8/11/94	D2216	Moisture/TNFR	3.9	percent	
B28d-SB05-1-SS	17.5	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	1,2,3-Trichloropropane	< 0.8	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	1,2-Dichloropropane	< 0.8	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Benzene	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Benzyl chloride	< 0.6	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Bromoform	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Bromomethane	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Chloroethane	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Chloroform	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Chloromethane	< 0.6	ug/kg	R

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB05-1-SS	17.5	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Dibromochloromethane	< 0.6	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Tetrachloroethene	< 0.6	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Toluene	< 0.4	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Total Xylene Isomers	< 0.6	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Trichloroethene	< 1	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	R
B28d-SB05-1-SS	17.5	8/11/94	D2216	Moisture/TNFR	6.1	percent	
B28d-SB05-2-S	24	8/11/94	8260	1,1,1,2-Tetrachloroethane	< 0.4	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	1,1,1-Trichloroethane	< 0.6	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	1,1,2,2-Tetrachloroethane	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	1,1,2-Trichloroethane	< 0.4	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	1,1-Dichloroethane	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	1,1-Dichloroethene	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	1,2,3-Trichloropropane	< 0.9	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	1,2-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	1,2-Dichloroethane	< 0.6	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	1,2-Dichloropropane	< 0.9	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	1,3-Dichlorobenzene	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	1,4-Dichlorobenzene	< 0.4	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	2-Chloroethylvinylether	< 0.6	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Benzene	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Benzyl chloride	< 0.6	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Bromobenzene	< 0.4	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Bromodichloromethane	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Bromoform	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Bromomethane	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Carbon Tetrachloride	< 0.6	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Chlorobenzene	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Chloroethane	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Chloroform	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Chloromethane	< 0.6	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	cis-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Dibromochloromethane	< 0.6	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Dibromomethane	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Dichlorodifluoromethane	< 0.1	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Ethylbenzene	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Methylene chloride	< 0.4	ug/kg	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SB05-2-S	24	8/11/94	8260	Tetrachloroethene	< 0.6	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Toluene	< 0.4	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Total Xylene Isomers	< 0.6	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	trans-1,2-Dichloroethene	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	trans-1,3-Dichloropropene	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Trichloroethene	< 1	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Trichlorofluoromethane	< 0.1	ug/kg	
B28d-SB05-2-S	24	8/11/94	8260	Vinyl chloride	< 0.2	ug/kg	
B28d-SB05-2-S	24	8/11/94	D2216	Moisture/TNFR	14	percent	
B28d-SG01	5.0	7/3/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8010	Chloroform	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8010	Methylene Chloride	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8010	Tetrachloroethene	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8010	Trichloroethene	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8020	Benzene	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8020	Ethylbenzene	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8020	Toluene	< 1	ug/L	
B28d-SG01	5.0	7/3/94	M8020	Total FID Volatiles	< 10	ug/L	
B28d-SG01	5.0	7/3/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8010	Chloroform	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8010	Methylene Chloride	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8010	Tetrachloroethene	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8010	Trichloroethene	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8020	Benzene	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8020	Ethylbenzene	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8020	Toluene	< 1	ug/L	
B28d-SG02	5.0	7/3/94	M8020	Total FID Volatiles	< 10	ug/L	
B28d-SG02	5.0	7/3/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SG03	5.0	7/3/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8010	Chloroform	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8010	Methylene Chloride	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8010	Tetrachloroethene	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8010	Trichloroethene	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8020	Benzene	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8020	Ethylbenzene	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8020	Toluene	< 1	ug/L	
B28d-SG03	5.0	7/3/94	M8020	Total FID Volatiles	< 10	ug/L	
B28d-SG03	5.0	7/3/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8010	Chloroform	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8010	Methylene Chloride	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8010	Tetrachloroethene	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8010	Trichloroethene	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8020	Benzene	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8020	Ethylbenzene	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8020	Toluene	< 1	ug/L	
B28d-SG04	5.0	7/3/94	M8020	Total FID Volatiles	< 10	ug/L	
B28d-SG04	5.0	7/3/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8010	Chloroform	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8010	Methylene Chloride	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8010	Tetrachloroethene	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8010	Trichloroethene	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8020	Benzene	< 1	ug/L	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SG05	5.0	7/2/94	M8020	Ethylbenzene	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8020	Toluene	< 1	ug/L	
B28d-SG05	5.0	7/2/94	M8020	Total FID Volatiles	< 10	ug/L	
B28d-SG05	5.0	7/2/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8010	Chloroform	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8010	Methylene Chloride	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8010	Tetrachloroethene	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8010	Trichloroethene	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8020	Benzene	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8020	Ethylbenzene	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8020	Toluene	< 1	ug/L	
B28d-SG06	5.0	7/2/94	M8020	Total FID Volatiles	< 10	ug/L	
B28d-SG06	5.0	7/2/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8010	Chloroform	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8010	Methylene Chloride	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8010	Tetrachloroethene	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8010	Trichloroethene	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8020	Benzene	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8020	Ethylbenzene	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8020	Toluene	< 1	ug/L	
B28d-SG07	5.0	7/2/94	M8020	Total FID Volatiles	< 10	ug/L	
B28d-SG07	5.0	7/2/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8010	Chloroform	< 1	ug/L	

Sample ID	Sample Depth (ft)	Sample Date	Method	Analyte	Value	Units	Flag
B28d-SG08	5.0	7/2/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8010	Methylene Chloride	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8010	Tetrachloroethene	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8010	Trichloroethene	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8020	Benzene	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8020	Ethylbenzene	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8020	Toluene	< 1	ug/L	
B28d-SG08	5.0	7/2/94	M8020	Total FID Volatiles	< 10	ug/L	
B28d-SG08	5.0	7/2/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8010	Chloroform	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8010	Methylene Chloride	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8010	Tetrachloroethene	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8010	Trichloroethene	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8020	Benzene	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8020	Ethylbenzene	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8020	Toluene	< 1	ug/L	
B28d-SG09	5.0	7/2/94	M8020	Total FID Volatiles	< 10	ug/L	
B28d-SG09	5.0	7/2/94	M8020	Total Xylene Isomers	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8010	1,1,1-Trichloroethane	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8010	1,1,2-Trichloroethane	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8010	1,1-Dichloroethane	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8010	1,1-Dichloroethene	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8010	Carbon Tetrachloride	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8010	Chloroform	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8010	cis-1,2-Dichloroethene	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8010	Methylene Chloride	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8010	Tetrachloroethene	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8010	trans-1,2-Dichloroethene	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8010	Trichloroethene	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8020	Benzene	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8020	Ethylbenzene	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8020	Toluene	< 1	ug/L	
B28d-SG10	5.0	7/2/94	M8020	Total FID Volatiles	< 10	ug/L	
B28d-SG10	5.0	7/2/94	M8020	Total Xylene Isomers	< 1	ug/L	

Appendix C

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

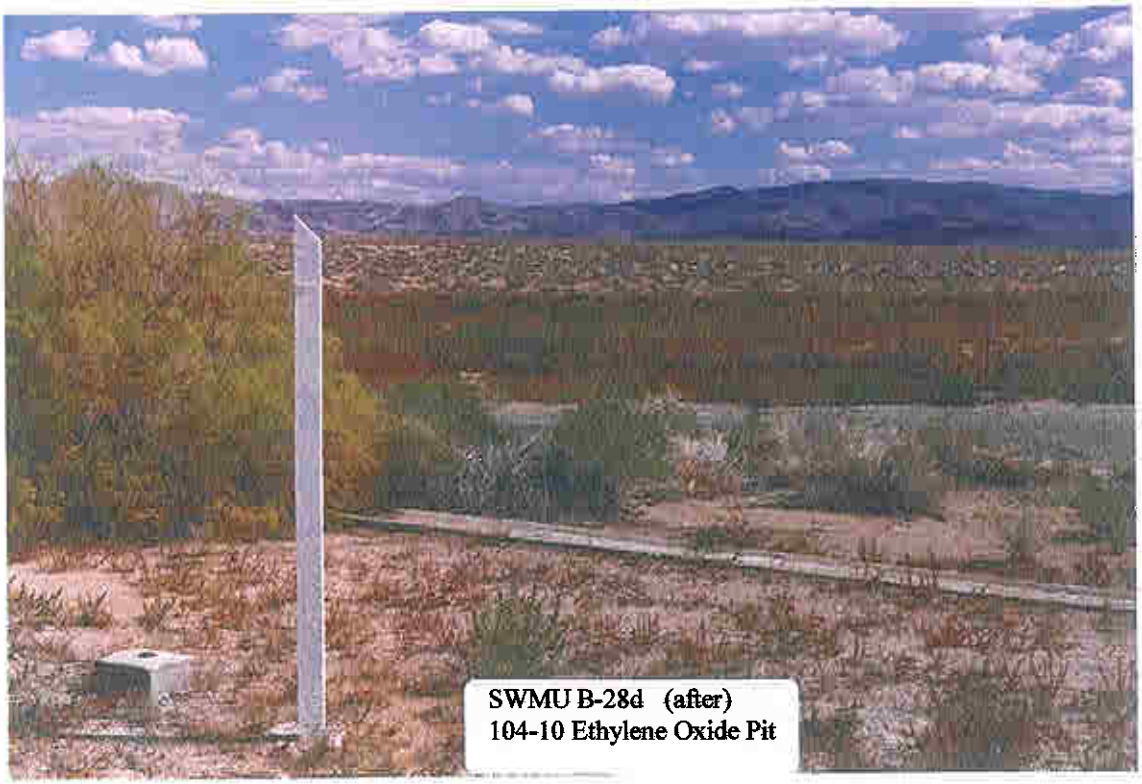
Point Name	Northing	Easting
TEMPMON01	494737.62	1378335.47
TEMPMON02	494849.29	1378214.78
SB-1	494991.67	1378244.94
SB-2	495011.97	1378193.95
SB-3	495036.69	1378260.31
SB-4	495054.86	1378114.55
SB-5	494958.49	1378171.74
SG-1	494978.52	1378243.86
SG-10	495057.73	1378136.76
SG-2	495016.27	1378234.01
SG-3	495001.69	1378176.46
SG-4	495009.37	1378114.58
SG-5	494980.48	1378030.02
SG-6	494970.48	1378145.16
SG-7	494922.74	1378236.57
SG-8	495032.02	1378283.53
SG-9	495101.22	1378244.18

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

Appendix D

B-28d, View to southeast, headworks in foreground. #R3-P3, 11/3/93

B-28d, Detail of discharge point head of impoundment. #R3-P4, 11/3/93


SWMU B-28d (after)
104-10 Ethylene Oxide Pit