4/9/2014

ENTERED

DEPARTMENT OF THE AIR FORCE
27TH SPECIAL OPERATIONS MISSION SUPPORT GROUP (AFSOC)
CANNON AIR FORCE BASE NEW MEXICO

Lt Col Anthony S. Figiera
Commander, 27 SOCES
506 Air Commando Way
Cannon AFB NM 88103-5003

MAY 2 2014

Hazardous Waste Bureau

Mr. John Kieling, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East Bldg 1
Santa Fe NM 87505-6063

Dear Mr. Kieling

Attached is the *"SWMU 127 Risk Screening Evaluation"*. If you have any questions regarding this submittal, please contact Mr. Ron Lancaster, Chief, Installation Management Flight at (575) 784-1146.

Sincerely

ANTHONY S. FIGIERA, Lt Col, USAF

Attachment:
1. SWMU 127 Risk Screening Evaluation

cc:
Mr. Daniel Comeau NMED

CB&I Federal Services LLC
1401 Enclave Parkway, Suite 250
Houston, Texas 77077
Tel: 281 584 8206
Fax: 281 531 3143
www.CBI.com

April 9, 2014

Mr. John Kieling, Chief
Hazardous Waste Bureau (HWB)
New Mexico Environment Department (NMED)
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Final Risk Screening Evaluation for Solid Waste Management Unit (SWMU) 127, Petroleum, Oil, and Lubricants (POL) Wash Pad at Facility 4095, December 2013 Cannon Air Force Base (AFB), New Mexico EPA ID #NM7572124454

Dear Mr. Kieling:

The purpose of this letter is to present the results of a final risk screening for Solid Waste Management Unit (SWMU) 127, the Petroleum, Oil, and Lubricants (POL) Wash Pad at Cannon Air Force Base (AFB). The screening presented in this letter includes both industrial and residential exposure scenarios, as well as exposure via inhalation of vapors, as requested in the New Mexico Environment Department (NMED) letter to Ronald Lancaster, dated 22 June 2010.

In a 2007 letter regarding your review of the Corrective Measures Study (CMS), NMED requested an evaluation of the vapor intrusion pathway for volatile organic compounds (VOCs) at SWMU 127. The Air Force responded in 2007 with a letter stating that additional evaluation and potentially a removal action were planned for SWMU 127. The NMED responded in 2008 by indicating that they would evaluate the site again following the confirmation sampling. In February 2008, samples were collected and analyzed for polycyclic aromatic hydrocarbons (PAHs) and metals, but not VOCs. In the 22 June 2010 letter regarding your review of the July 2008 Voluntary Corrective Action Letter Report, NMED requested that a final risk screening be performed for all historical detections from the 1993, 1994, and 2008 sampling events including metals and organics of concern, considering both industrial and residential pathways, and including a discussion of the potential for exposure via inhalation. The following sections describe the risk screening performed in response to NMED's request.

SWMU 127 consisted of a sand trap and leach field for the refueling truck wash rack at Facility 4095. The leach field was active from 1977 to 1990 and was replaced with a new leach field and oil water separator (OWS) in 1991. The 2008 CMS reported that the new leach field remains in place, but has been bypassed and is no longer used. To evaluate the potential risks from exposure to analytes at SWMU 127, the concentrations detected in soil during the 1993, 1994, and 2008 sampling events were compared to the June 2012 Soil Screening Levels (SSLs) for industrial and residential receptors as found on Table A-1 of the *Risk Assessment Guidance for Site Investigation and Remediation, Volume 1*. The combined 1993, 1994, and 2008 dataset is summarized on the attached **Table 1** and **Table 6** presents the entire dataset on compact disc (CD). The maximum detected concentration for each analyte is shown at the top of the table, with maximum concentrations exceeding the residential SSL shown in yellow highlight. The only concentrations that exceeded the residential SSL included:

- Benzo(a)anthracene (1 sample, 0 feet below ground surface [ft bgs], 1993),
- Benzo(a)pyrene (1 sample, 0 ft bgs, 1993),
- Benzo(b)fluoranthene (3 samples, 0-0.5 ft bgs, 1993 and 1994),
- Dibenz(a,h)anthracene (3 samples, 0-0.5 ft bgs, 1994),
- Indeno(1,2,3-cd)pyrene (1 sample, 0 ft bgs, 1993), and
- Total petroleum hydrocarbons (TPH) (2 samples, 0 ft bgs and 48-50 ft bgs, 1993 and 1994).

Shallow soil samples collected in 2008 did not confirm the elevated PAH concentrations. The PAH compounds detected in 1993 and 1994 in surface soil samples are commonly found in areas receiving runoff from asphalt pavement and did not correspond to locations where elevated TPH was detected. The lack of deeper detections exceeding the SSLs and the lack of confirmation from the 2008 surface soil sampling indicate that PAHs found in surface soil in 1993 and 1994 are unlikely to have resulted from a release of petroleum to the leach field and there is unlikely to be a subsurface source of PAHs that would present an unacceptable risk to future residential or industrial receptors. There were no VOCs or metals analytes that exceeded the residential SSLs.

The NMED requested an evaluation of the vapor intrusion pathway for VOCs due to elevated benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations detected in the 1993 and 1994 sampling. The concentrations were initially evaluated using 95% upper confidence limit (UCL) exposure point concentrations (EPCs) calculated using the ProUCL statistical software (Version 4.1.01) and the Johnson & Ettinger Soil Model (SL-SCREEN Version 3.1, 2004). For the VOCs, the 95% UCLs selected were the value recommended by the ProUCL software, specifically the nonparametric Kaplan-Meier Chebyshev or t-statistic result. For ethylbenzene, two 95% UCLs were initially recommended by ProUCL; however, the percentile bootstrap result was not used because ProUCL recommended that four or more distinct results are needed, and only three were available. Based on the analysis (See **Table 2**), the potential risk to industrial workers was acceptable based on an 8-hour per day exposure time. For future residential exposure scenario (See **Table 3**), the potential cancer risk was considered to be unacceptable for benzene and ethylbenzene and the non-cancer risk was unacceptable for xylene. As an alternative to the 95% UCL EPCs, EPCs were calculated using a spatial area-weighting of the concentrations to more accurately assess the impact of the limited number of detections for benzene, ethylbenzene, and xylenes in the study area. **Figure 1** and **Figure 2** show the polygonal area weighting approach used for benzene and ethylbenzene to assign each sample to a polygonal area within the study area and then calculate the EPCs based on area-weighting of the detected concentrations. Using the alternate area-weighted EPCs minimizes the bias of using the 95% UCL EPC, as the influence of the few elevated detections in soil is more accurately accounted for. For each polygon, the maximum detected concentration of the analyte (or ½ of the detection limit if not detected), was used to assign the value used in the area-weighted calculation of the EPC. For sample 12709, the detection limit for benzene was significantly elevated (7,000 µg/kg) due to dilution caused by the high ethylbenzene and xylene concentrations. For that sample, the benzene to ethylbenzene ratio from sample 12710 (3800/54000 or 0.07) was used to estimate a benzene concentration of 273 µg/kg for use in the area weighting. The area-weighted average calculations are shown on **Table 4**.

As shown in **Table 5**, using the area-weighted EPCs for the risk and hazard drivers, the potential future residential exposure scenario estimated cancer risk drops to 2.2E-5 and the estimated hazard drops below 1 (0.58).

Although the estimated potential future residential cancer risk (2.2E-5) slightly exceeds the NMED target cancer risk of 1E-5, the soil sample results that formed the basis for this cancer estimate were collected in December 1994 between 0 and 0.5 feet below ground surface, there was a low frequency of detection, and there were no deeper residual concentrations indicative of a larger source area within the study area. Based on the known volatility of benzene and ethylbenzene and the low frequency of detection, soil concentrations today (almost 20 years later) are expected to be significantly lower than in 1994; thus estimated cancer risks for possible vapor intrusion scenarios are expected to be acceptable in 2013 and for future potential receptors.

For your review, we have attached backup files on a compact disk with the Johnson & Ettinger Model input and output files as well as the ProUCL input and output files. Based on the results of this risk screening, the level of risk for all current and future potential residential and industrial receptors is acceptable, and we request approval to proceed with a corrective action complete proposal for SWMU 127.

Sincerely,

William A. Foss
CB&I Technical Lead – Cannon AFB, Midwest PBR

Cc: Dave Cobrain, NMED HWB
Stephanie Ramon, AFCEC
Laura Peters, 27 SOCES/CEIER
Kathleen Romalia, CB&I Federal Services LLC
Project File (w/ attachments)

Attachments:
- Figure 1 – Area-Weighting of Benzene in Surface Soil, SWMU 127
- Figure 2 – Area-Weighting of Ethylbenzene in Surface Soil, SWMU 127
- Table 1 – Summary of 1993, 1994, and 2008 Soil Analytical Results for SWMU 127
- Table 2 – Estimated Industrial Worker Vapor Intrusion Risks and Hazards from VOCs in Soil at SWMU 127
- Table 3 – Estimated Residential Vapor Intrusion Risks and Hazards from VOCs in Soil at SWMU 127
- Table 4 – Thiessen Polygonal Area Weighted Average VOC EPCs in Soil at SWMU 127
- Table 5 – Estimated Residential Vapor Intrusion Risks and Hazards from VOCs in Soil Using Area Weighted EPCs
- Table 6 – Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127 (on CD)
- Pro-UCL Input and Output Files (on CD)
- Johnson & Ettinger Model Input and Output Files (on CD)

CB&I Federal Services LLC
1401 Enclave Parkway, Suite 250
Houston, Texas 77077
Tel: +1 281 584 8206
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Date: ***9 April 2014***

Project No.: ***144106***

TRANSMITTAL LETTER:

To: Ms. Stephanie Ramon

Letter No. 144106-0134

Address: Environmental Programs Execution
ATTN: AFCEC/EXE Building 171
2261 Hughes Ave, Ste 155
Lackland AFB, TX 78236-9853

Re: ***SWMU 127 - Risk Screening Evaluation, Group 5***

Cannon Air Force Base, New Mexico

Contract No.FA8903-09-D-8580 Task Order No. 0013, Modification 01

For: Review ____ ***As Requested*** ____ ***Approval*** ____ ***Corrections*** ____ ***Submittal*** ***X*** ***Other*** ____

Item No:	***No. of Copies***	***Date:***	***Document Title***
WERC-09-13-011	1 hard copy	April 2014	Final – Risk Screening Evaluation SWMU 127, POL Wash Pad, Cannon Air Force Base, New Mexico

Additional copies have been sent to those on distribution below. The enclosed Risk Screening Evaluation documents completion of site investigations. Please call with questions or comments. Thank you.

Sincerely:

William A. Foss, P.G.
Technical Lead

PC: Laura Peters - Cannon AFB (3 hard copies, 1 CD

PC: Scott Newcomer – GEITA Spt. (1 electronic copy)

Common Comment and Response Worksheet (Version 3)

Date	Surveillance Activity Number	Document Title (version)	Contract/TO Number
Dec-13	CZTE00482 /AGEISS #497	Working Copy Risk Screening Evaluation for Solid Waste Management Unit (SWMU) 127, Petroleum, Oil, and Lubricants (POL) Wash Pad at Facility 4095, Cannon Air Force Base (AFB), New Mexico. December 2013	FA8903-09-D-8580\0013

Item	Source	Section	Page	Para	Line	Class	Comment	Response
1	AGEISS/ SLF	NA	2	2	4	S	Reference the version of ProUCL used in the data analysis.	The text will be updated to include the version of ProUCL used (Version 4.1.01)
2	AGEISS/ SLF	NA	2	2	NA	M	Add text to expand the discussion that describes how the 95% UCL EPC was calculated. This EPC was based on 2 detections for benzene (1.4% detection rate), 4 detections for ethylbenzene (2.8% detection rate), and 8 detections for xylenes(5.7% detection rate), from a sample size of 141.	The following text will be added after the 2nd sentence in the 2nd paragraph on page 2: "*For the VOCs, the 95% UCLs selected were the value recommended by the ProUCL software, specifically the nonparametric Kaplan-Meier Chebyshev or t-statistic result. For ethylbenzene, two 95% UCLs were initially recommended by ProUCL; however, the percentile bootstrap result was not used because ProUCL recommended that four or more distinct results are needed, and only three were available.* "
3	AGEISS/ SLF	NA	2	2	19	M	Clarify whether the ratio of benzene to ethylbenzene as stated here or benzene to toluene as footnoted in Table 4 was used to calculate the benzene detection limit for sample 12709.	The footnote on Table 4 is incorrect and will be corrected as follows: "*As the DL for sample 12709 benzene result (7000 U ug/kg) was unusually elevated, benzene was estimated using the fraction of the benzene to ethylbenzene ratio. This fraction was estimated using detected results from sample 12710 (3800/54000. or 0.07).* "
4	AGEISS/ SLF	NA	2	3	5	S	Add the clarifier of "low frequency of detection" to this sentence as a rationale for lower risk.	The sentence will be revised as requested.
5	AGEISS/ SLF	NA	3	1	2	S	Add the clarifier of "low frequency of detection" to this sentence as a rationale for lower risk.	The sentence will be revised as requested.

Column A: Comment Identifier Number
Column B: Source (Commenter/Authority)
Column C: Section Number of Comment
Column D: Page Number of Comment (first page associated with comment)
Column E: Paragraph number, on page, of Comment
Column F: Line Number (within Paragraph above) of Comment
Column G: Comment Classification
Column H: Comment
Column I: Response
Notes: Comments must be actionable ("add the following text:…", "delete…", "change text to:")
Place only one comment per row.
Classify comment as C, M, S, or A.

Comment Classifications

(C) Critical: Critical comments will result in a critical issue. Provide convincing support.

(M) Major: Major comments are significant concerns that may result in a major issue. This category may be used with a general statement of concern followed by a detailed comment on the specific entries in the document that, considered in total, constitute the concern.

(S) Substantive: An entry in the document that appears to be or is potentially unnecessary, misleading, incorrect, or confusing.

(A) Administrative: Administrative comments correct inconsistencies between different sections, typographical and grammatical errors.

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
95476	1.52E+04	o-Xylene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	15	10	SIC		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	25	25	250	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
8.70E-02	1.00E-05	5.18E-03	25	8,661	417.60	630.30	3.63E+02	1.78E+02	0.0E+00	1.0E-01	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
1	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	1.52E+04	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	10,404	2.04E-03	8.79E-02	1.75E-04	4.52E-03	1

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	7.26E-01	1.48E+06	0.10	1.26E+00	4.52E-03	4.00E+02	1.05E+03	7.42E-05	1.10E+02

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
NA	1.0E-01

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	1.60E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	7.5E-01

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	2.5E-06	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	5.0E+00	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	2.6E-07	4.0E-02	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
95476	1.52E+04	o-Xylene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	15	10	SIC		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	30	30	350	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
8.70E-02	1.00E-05	5.18E-03	25	8,661	417.60	630.30	3.63E+02	1.78E+02	0.0E+00	1.0E-01	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
1	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	1.52E+04	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	10,404	2.04E-03	8.79E-02	1.75E-04	4.52E-03	1

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	7.26E-01	1.48E+06	0.10	1.26E+00	4.52E-03	4.00E+02	1.05E+03	7.42E-05	1.10E+02

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
NA	1.0E-01

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	1.60E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	1.1E+00

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
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S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
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SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

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CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	2.5E-06	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	5.0E+00	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	2.6E-07	4.0E-02	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
95476	6.78E+03	o-Xylene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	15	10	SIC		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	30	30	350	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
8.70E-02	1.00E-05	5.18E-03	25	8,661	417.60	630.30	3.63E+02	1.78E+02	0.0E+00	1.0E-01	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
1	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	6.78E+03	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	10,404	2.04E-03	8.79E-02	1.75E-04	4.52E-03	1

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	7.26E-01	6.63E+05	0.10	1.26E+00	4.52E-03	4.00E+02	1.05E+03	7.42E-05	4.92E+01

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
NA	1.0E-01

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	1.60E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	4.7E-01

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	2.5E-06	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	5.0E+00	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	2.6E-07	4.0E-02	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
108883	4.65E+03	Toluene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	15	10	SIC		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	25	25	250	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
8.70E-02	8.60E-06	6.62E-03	25	7,930	383.78	591.79	1.82E+02	5.26E+02	0.0E+00	5.0E+00	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
1	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	4.65E+03	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	9,154	2.92E-03	1.26E-01	1.75E-04	4.52E-03	1

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	3.64E-01	1.07E+06	0.10	1.26E+00	4.52E-03	4.00E+02	1.05E+03	7.42E-05	7.96E+01

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
NA	5.0E+00

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	2.86E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	1.1E-02

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	2.5E-06	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	5.0E+00	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	2.6E-07	4.0E-02	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
108883	4.65E+03	Toluene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	15	10	SIC		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	30	30	350	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
8.70E-02	8.60E-06	6.62E-03	25	7,930	383.78	591.79	1.82E+02	5.26E+02	0.0E+00	5.0E+00	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
1	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	4.65E+03	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	9,154	2.92E-03	1.26E-01	1.75E-04	4.52E-03	1

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	3.64E-01	1.07E+06	0.10	1.26E+00	4.52E-03	4.00E+02	1.05E+03	7.42E-05	7.96E+01

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
NA	5.0E+00

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	2.86E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
NA	1.5E-02

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
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L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	2.5E-06	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	5.0E+00	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	2.6E-07	4.0E-02	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
127184	2.90E+00	Tetrachloroethylene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	549	10	SIC		

MORE ↓

Lookup Soil Parameters

ENTER Vandose zone SCS soil type	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	25	25	250	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
7.20E-02	8.20E-06	1.84E-02	25	8,288	394.40	620.20	1.55E+02	2.00E+02	2.6E-07	4.0E-02	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
534	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	2.90E+00	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	9,553	7.81E-03	3.36E-01	1.75E-04	3.74E-03	534

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	3.10E-01	1.84E+03	0.10	1.26E+00	3.74E-03	4.00E+02	4.49E+03	6.29E-05	1.15E-01

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
2.6E-07	4.0E-02

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	1.06E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
7.3E-09	2.0E-03

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	2.5E-06	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	4.0E-01	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	2.6E-07	4.0E-02	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
127184	2.90E+00	Tetrachloroethylene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	549	10	SIC		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	30	30	350	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
7.20E-02	8.20E-06	1.84E-02	25	8,288	394.40	620.20	1.55E+02	2.00E+02	2.6E-07	4.0E-02	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
534	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	2.90E+00	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	9,553	7.81E-03	3.36E-01	1.75E-04	3.74E-03	534

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	3.10E-01	1.84E+03	0.10	1.26E+00	3.74E-03	4.00E+02	4.49E+03	6.29E-05	1.15E-01

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
2.6E-07	4.0E-02

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	1.06E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
1.2E-08	2.8E-03

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	2.5E-06	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	4.0E-01	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	2.6E-07	4.0E-02	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
100414	1.25E+03	Ethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	15	10	SIC		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	25	25	250	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
7.50E-02	7.80E-06	7.86E-03	25	8,501	409.34	617.20	3.63E+02	1.69E+02	2.5E-06	1.0E+00	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
1	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	1.25E+03	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	10,155	3.17E-03	1.36E-01	1.75E-04	3.89E-03	1

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	7.26E-01	1.88E+05	0.10	1.26E+00	3.89E-03	4.00E+02	3.20E+03	7.42E-05	1.39E+01

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
2.5E-06	1.0E+00

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	1.54E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
8.5E-06	9.5E-03

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	2.5E-06	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	4.0E-01	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	5.9E-06	6.0E-01	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
100414	1.25E+03	Ethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	15	10	SIC		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	30	30	350	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
7.50E-02	7.80E-06	7.86E-03	25	8,501	409.34	617.20	3.63E+02	1.69E+02	2.5E-06	1.0E+00	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
1	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	1.25E+03	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	10,155	3.17E-03	1.36E-01	1.75E-04	3.89E-03	1

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	7.26E-01	1.88E+05	0.10	1.26E+00	3.89E-03	4.00E+02	3.20E+03	7.42E-05	1.39E+01

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
2.5E-06	1.0E+00

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	1.54E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
1.4E-05	1.3E-02

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

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SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

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56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	2.5E-06	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	4.0E-01	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	5.9E-06	6.0E-01	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
100414	1.20E+03	Ethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	15	10	SIC		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	30	30	350	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
7.50E-02	7.80E-06	7.86E-03	25	8,501	409.34	617.20	3.63E+02	1.69E+02	2.5E-06	1.0E+00	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
1	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	1.20E+03	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	10,155	3.17E-03	1.36E-01	1.75E-04	3.89E-03	1

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	7.26E-01	1.80E+05	0.10	1.26E+00	3.89E-03	4.00E+02	3.20E+03	7.42E-05	1.34E+01

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
2.5E-06	1.0E+00

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	1.54E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
1.4E-05	1.3E-02

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	2.5E-06	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	4.0E-01	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	5.9E-06	6.0E-01	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
71432	2.81E+02	Benzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	15	10	SIC		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	25	25	250	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
8.80E-02	9.80E-06	5.54E-03	25	7,342	353.24	562.16	5.89E+01	1.79E+03	7.8E-06	3.0E-02	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
1	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	2.81E+02	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	8,122	2.68E-03	1.15E-01	1.75E-04	4.57E-03	1

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	1.18E-01	1.09E+05	0.10	1.26E+00	4.57E-03	4.00E+02	9.71E+02	7.42E-05	8.11E+00

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
7.8E-06	3.0E-02

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	5.31E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
1.5E-05	1.9E-01

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	0.0E+00	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	4.0E-01	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	5.9E-06	6.0E-01	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
71432	2.81E+02	Benzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	15	10	SIC		

MORE ↓

ENTER Vandose zone SCS soil type (Lookup Soil Parameters)	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	30	30	350	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
8.80E-02	9.80E-06	5.54E-03	25	7,342	353.24	562.16	5.89E+01	1.79E+03	7.8E-06	3.0E-02	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
1	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	2.81E+02	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	8,122	2.68E-03	1.15E-01	1.75E-04	4.57E-03	1

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	1.18E-01	1.09E+05	0.10	1.26E+00	4.57E-03	4.00E+02	9.71E+02	7.42E-05	8.11E+00

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
7.8E-06	3.0E-02

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	5.31E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
2.6E-05	2.6E-01

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
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SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
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SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

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CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
95578	2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636	1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184	1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333	Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632	Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066	tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862	Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953	Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414	Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	0.0E+00	1.0E+00	L		
100425	Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447	Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527	Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651	n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518	n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423	p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467	1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934	1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990	1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028	Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062	1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131	Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054	Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101	Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383	m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678	1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872	Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883	Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	4.0E-01	L		
108907	Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693	1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009	Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543	Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444	Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297	Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741	Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821	1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739	Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481	Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987	Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998	2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184	Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	5.9E-06	6.0E-01	L		
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649	Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988	sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786	Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592	cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605	trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992	Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019	Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002	Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846	alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731	1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756	1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
630206	1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044	MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976	Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

SL-SCREEN
Version 3.1; 02/04

Reset to Defaults

CALCULATE RISK-BASED SOIL CONCENTRATION (enter "X" in "YES" box)

YES [ ]

OR

CALCULATE INCREMENTAL RISKS FROM ACTUAL SOIL CONCENTRATION (enter "X" in "YES" box and initial soil conc. below)

YES [X]

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Initial soil conc., C_R (µg/kg)	Chemical
71432	8.70E+01	Benzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (15 or 200 cm)	ENTER Depth below grade to top of contamination, L_t (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Vadose zone SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined vadose zone soil vapor permeability, k_v (cm^2)
15	15	10	SIC		

MORE ↓

Lookup Soil Parameters

ENTER Vandose zone SCS soil type	ENTER Vadose zone soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Vadose zone soil total porosity, n^V (unitless)	ENTER Vadose zone soil water-filled porosity, θ_w^V (cm^3/cm^3)	ENTER Vadose zone soil organic carbon fraction, f_{oc}^V (unitless)	ENTER Average vapor flow rate into bldg. (Leave blank to calculate) Q_{soil} (L/m)
SIC	1.38	0.481	0.216	0.002	

MORE ↓

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)	ENTER Target risk for carcinogens, TR (unitless)	ENTER Target hazard quotient for noncarcinogens, THQ (unitless)
70	30	30	350	1.0E-05	1

Used to calculate risk-based soil concentration.

END

CHEMICAL PROPERTIES SHEET

Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)
8.80E-02	9.80E-06	5.54E-03	25	7,342	353.24	562.16	5.89E+01	1.79E+03	7.8E-06	3.0E-02	L

END

INTERMEDIATE CALCULATIONS SHEET

Source-building separation, L_T (cm)	Vadose zone soil air-filled porosity, θ_a^V (cm^3/cm^3)	Vadose zone effective total fluid saturation, S_{te} (cm^3/cm^3)	Vadose zone soil intrinsic permeability, k_i (cm^2)	Vadose zone soil relative air permeability, k_{rg} (cm^2)	Vadose zone soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Initial soil concentration used, C_R (μg/kg)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
1	0.265	0.284	1.48E-09	0.844	1.25E-09	4,000	8.70E+01	1.69E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Vadose zone effective diffusion coefficient, D^{eff}_V (cm^2/s)	Diffusion path length, L_d (cm)
1.00E+06	4.00E-04	15	8,122	2.68E-03	1.15E-01	1.75E-04	4.57E-03	1

Convection path length, L_p (cm)	Soil-water partition coefficient, K_d (cm^3/g)	Source vapor conc., C_{source} (μg/m^3)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ (μg/m^3)
15	1.18E-01	3.38E+04	0.10	1.26E+00	4.57E-03	4.00E+02	9.71E+02	7.42E-05	2.51E+00

Unit risk factor, URF (μg/m^3)$^{-1}$	Reference conc., RfC (mg/m^3)
7.8E-06	3.0E-02

END

RESULTS SHEET

RISK-BASED SOIL CONCENTRATION CALCULATIONS:

Indoor exposure soil conc., carcinogen (µg/kg)	Indoor exposure soil conc., noncarcinogen (µg/kg)	Risk-based indoor exposure soil conc., (µg/kg)	Soil saturation conc., C_{sat} (µg/kg)	Final indoor exposure soil conc., (µg/kg)
NA	NA	NA	5.31E+05	NA

INCREMENTAL RISK CALCULATIONS:

Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
8.0E-06	8.0E-02

MESSAGE SUMMARY BELOW:

END

VLOOKUP TABLES

Soil Properties Lookup Table

SCS Soil Type	K_s (cm/h)	α_1 (1/cm)	N (unitless)	M (unitless)	n (cm^3/cm^3)	θ_r (cm^3/cm^3)	Mean Grain Diameter (cm)	Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
C	0.61	0.01496	1.253	0.2019	0.459	0.098	0.0092	1.43	0.215	Clay
CL	0.34	0.01581	1.416	0.2938	0.442	0.079	0.016	1.48	0.168	Clay Loam
L	0.50	0.01112	1.472	0.3207	0.399	0.061	0.020	1.59	0.148	Loam
LS	4.38	0.03475	1.746	0.4273	0.390	0.049	0.040	1.62	0.076	Loamy Sand
S	26.78	0.03524	3.177	0.6852	0.375	0.053	0.044	1.66	0.054	Sand
SC	0.47	0.03342	1.208	0.1722	0.385	0.117	0.025	1.63	0.197	Sandy Clay
SCL	0.55	0.02109	1.330	0.2481	0.384	0.063	0.029	1.63	0.146	Sandy Clay Loam
SI	1.82	0.00658	1.679	0.4044	0.489	0.050	0.0046	1.35	0.167	Silt
SIC	0.40	0.01622	1.321	0.2430	0.481	0.111	0.0039	1.38	0.216	Silty Clay
SICL	0.46	0.00839	1.521	0.3425	0.482	0.090	0.0056	1.37	0.198	Silty Clay Loam
SIL	0.76	0.00506	1.663	0.3987	0.439	0.065	0.011	1.49	0.180	Silt Loam
SL	1.60	0.02667	1.449	0.3099	0.387	0.039	0.030	1.62	0.103	Sandy Loam

Chemical Properties Lookup Table

CAS No.	Chemical	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Pure component water solubility, S (mg/L)	Henry's law constant H' (unitless)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (°C)	Normal boiling point, T_B (°K)	Critical temperature, T_C (°K)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Physical state at soil temperature, (S,L,G)	URF extrapolated (X)	RfC extrapolated (X)
56235	Carbon tetrachloride	1.74E+02	7.80E-02	8.80E-06	7.93E+02	1.24E+00	3.03E-02	25	349.90	556.60	7,127	1.5E-05	0.0E+00	L		
57749	Chlordane	1.20E+05	1.18E-02	4.37E-06	5.60E-02	1.99E-03	4.85E-05	25	624.24	885.73	14,000	1.0E-04	7.0E-04	S		
58899	gamma-HCH (Lindane)	1.07E+03	1.42E-02	7.34E-06	7.30E+00	5.73E-04	1.40E-05	25	596.55	839.36	15,000	3.7E-04	1.1E-03	S	X	X
60297	Ethyl ether	5.73E+00	7.82E-02	8.61E-06	5.68E+04	1.35E+00	3.29E-02	25	307.50	466.74	6,338	0.0E+00	7.0E-01	L		X
60571	Dieldrin	2.14E+04	1.25E-02	4.74E-06	1.95E-01	6.18E-04	1.51E-05	25	613.32	842.25	17,000	4.6E-03	1.8E-04	S		X
67641	Acetone	5.75E-01	1.24E-01	1.14E-05	1.00E+06	1.59E-03	3.87E-05	25	329.20	508.10	6,955	0.0E+00	3.5E-01	L		X
67663	Chloroform	3.98E+01	1.04E-01	1.00E-05	7.92E+03	1.50E-01	3.66E-03	25	334.32	536.40	6,988	2.3E-05	0.0E+00	L		
67721	Hexachloroethane	1.78E+03	2.50E-03	6.80E-06	5.00E+01	1.59E-01	3.88E-03	25	458.00	695.00	9,510	4.0E-06	3.5E-03	S		X
71432	Benzene	5.89E+01	8.80E-02	9.80E-06	1.79E+03	2.27E-01	5.54E-03	25	353.24	562.16	7,342	7.8E-06	3.0E-02	L		
71556	1,1,1-Trichloroethane	1.10E+02	7.80E-02	8.80E-06	1.33E+03	7.03E-01	1.72E-02	25	347.24	545.00	7,136	0.0E+00	2.2E+00	L		
72435	Methoxychlor	9.77E+04	1.56E-02	4.46E-06	1.00E-01	6.46E-04	1.58E-05	25	651.02	848.49	16,000	0.0E+00	1.8E-02	S		X
72559	DDE	4.47E+06	1.44E-02	5.87E-06	1.20E-01	8.59E-04	2.09E-05	25	636.44	860.38	15,000	9.7E-05	0.0E+00	S	X	
74839	Methyl bromide	1.05E+01	7.28E-02	1.21E-05	1.52E+04	2.55E-01	6.22E-03	25	276.71	467.00	5,714	0.0E+00	5.0E-03	G		
74873	Methyl chloride (chloromethane)	2.12E+00	1.26E-01	6.50E-06	5.33E+03	3.61E-01	8.80E-03	25	249.00	416.25	5,115	1.0E-06	9.0E-02	L		
74908	Hydrogen cyanide	3.80E+00	1.93E-01	2.10E-05	1.00E+06	5.44E-03	1.33E-04	25	299.00	456.70	6,676	0.0E+00	3.0E-03	L		
74953	Methylene bromide	1.26E+01	4.30E-02	8.44E-06	1.19E+04	3.52E-02	8.59E-04	25	370.00	583.00	7,868	0.0E+00	3.5E-02	L		X
75003	Chloroethane (ethyl chloride)	4.40E+00	2.71E-01	1.15E-05	5.68E+03	3.61E-01	8.80E-03	25	285.30	460.40	5,879	8.3E-07	1.0E+01	L	X	
75014	Vinyl chloride (chloroethene)	1.86E+01	1.06E-01	1.23E-05	8.80E+03	1.10E+00	2.69E-02	25	259.25	432.00	5,250	8.8E-06	1.0E-01	G		
75058	Acetonitrile	4.20E+00	1.28E-01	1.66E-05	1.00E+06	1.42E-03	3.45E-05	25	354.60	545.50	7,110	0.0E+00	6.0E-02	L		
75070	Acetaldehyde	1.06E+00	1.24E-01	1.41E-05	1.00E+06	3.23E-03	7.87E-05	25	293.10	466.00	6,157	2.2E-06	9.0E-03	L		
75092	Methylene chloride	1.17E+01	1.01E-01	1.17E-05	1.30E+04	8.96E-02	2.18E-03	25	313.00	510.00	6,706	4.7E-07	3.0E+00	L		
75150	Carbon disulfide	4.57E+01	1.04E-01	1.00E-05	1.19E+03	1.24E+00	3.02E-02	25	319.00	552.00	6,391	0.0E+00	7.0E-01	L		
75218	Ethylene oxide	1.33E+00	1.04E-01	1.45E-05	3.04E+05	2.27E-02	5.54E-04	25	283.60	469.00	6,104	1.0E-04	0.0E+00	L		
75252	Bromoform	8.71E+01	1.49E-02	1.03E-05	3.10E+03	2.41E-02	5.88E-04	25	422.35	696.00	9,479	1.1E-06	7.0E-02	L		X
75274	Bromodichloromethane	5.50E+01	2.98E-02	1.06E-05	6.74E+03	6.54E-02	1.60E-03	25	363.15	585.85	7,800	1.8E-05	7.0E-02	L	X	X
75296	2-Chloropropane	9.14E+00	8.88E-02	1.01E-05	3.73E+03	5.93E-01	1.45E-02	25	308.70	485.00	6,286	0.0E+00	1.0E-01	L		
75343	1,1-Dichloroethane	3.16E+01	7.42E-02	1.05E-05	5.06E+03	2.30E-01	5.61E-03	25	330.55	523.00	6,895	0.0E+00	5.0E-01	L		
75354	1,1-Dichloroethylene	5.89E+01	9.00E-02	1.04E-05	2.25E+03	1.07E+00	2.60E-02	25	304.75	576.05	6,247	0.0E+00	2.0E-01	L		
75456	Chlorodifluoromethane	4.79E+01	1.01E-01	1.28E-05	2.00E+00	1.10E+00	2.70E-02	25	232.40	369.30	4,836	0.0E+00	5.0E+01	L		
75694	Trichlorofluoromethane	4.97E+02	8.70E-02	9.70E-06	1.10E+03	3.97E+00	9.68E-02	25	296.70	471.00	5,999	0.0E+00	7.0E-01	L		
75718	Dichlorodifluoromethane	4.57E+02	6.65E-02	9.92E-06	2.80E+02	1.40E+01	3.42E-01	25	243.20	384.95	9,421	0.0E+00	2.0E-01	L		
76131	1,1,2-Trichloro-1,2,2-trifluoroetha	1.11E+04	7.80E-02	8.20E-06	1.70E+02	1.97E+01	4.80E-01	25	320.70	487.30	6,463	0.0E+00	3.0E+01	L		
76448	Heptachlor	1.41E+06	1.12E-02	5.69E-06	1.80E-01	6.05E+01	1.48E+00	25	603.69	846.31	13,000	1.3E-03	1.8E-03	S		X
77474	Hexachlorocyclopentadiene	2.00E+05	1.61E-02	7.21E-06	1.80E+00	1.10E+00	2.69E-02	25	512.15	746.00	10,931	0.0E+00	2.0E-04	L		
78831	Isobutanol	2.59E+00	8.60E-02	9.30E-06	8.50E+04	4.83E-04	1.18E-05	25	381.04	547.78	10,936	0.0E+00	1.1E+00	L		X
78875	1,2-Dichloropropane	4.37E+01	7.82E-02	8.73E-06	2.80E+03	1.15E-01	2.79E-03	25	369.52	572.00	7,590	1.9E-05	4.0E-03	L	X	
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.58E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	L		
79005	1,1,2-Trichloroethane	5.01E+01	7.80E-02	8.80E-06	4.42E+03	3.73E-02	9.11E-04	25	386.15	602.00	8,322	1.6E-05	1.4E-02	L		X
79016	Trichloroethylene	1.66E+02	7.90E-02	9.10E-06	1.47E+03	4.21E-01	1.03E-02	25	360.36	544.20	7,505	1.1E-04	4.0E-02	L	X	
79209	Methyl acetate	3.26E+00	1.04E-01	1.00E-05	2.00E+03	4.84E-03	1.18E-04	25	329.80	506.70	7,260	0.0E+00	3.5E+00	L		X
79345	1,1,2,2-Tetrachloroethane	9.33E+01	7.10E-02	7.90E-06	2.96E+03	1.41E-02	3.44E-04	25	419.60	661.15	8,996	5.8E-05	2.1E-01	L		X
79469	2-Nitropropane	1.17E+01	9.23E-02	1.01E-05	1.70E+04	5.03E-03	1.23E-04	25	393.20	594.00	8,383	2.7E-03	2.0E-02	L		
80626	Methylmethacrylate	6.98E+00	7.70E-02	8.60E-06	1.50E+04	1.38E-02	3.36E-04	25	373.50	567.00	8,975	0.0E+00	7.0E-01	L		
83329	Acenaphthene	7.08E+03	4.21E-02	7.69E-06	3.57E+00	6.34E-03	1.55E-04	25	550.54	803.15	12,155	0.0E+00	2.1E-01	S		X
86737	Fluorene	1.38E+04	3.63E-02	7.88E-06	1.98E+00	2.60E-03	6.34E-05	25	570.44	870.00	12,666	0.0E+00	1.4E-01	S		X
87683	Hexachloro-1,3-butadiene	5.37E+04	5.61E-02	6.16E-06	3.20E+00	3.33E-01	8.13E-03	25	486.15	738.00	10,206	2.2E-05	7.0E-04	L		X
88722	o-Nitrotoluene	3.24E+02	5.87E-02	8.67E-06	6.50E+02	5.11E-04	1.25E-05	25	495.00	720.00	12,239	0.0E+00	3.5E-02	L		X
91203	Naphthalene	2.00E+03	5.90E-02	7.50E-06	3.10E+01	1.98E-02	4.82E-04	25	491.14	748.40	10,373	0.0E+00	3.0E-03	S		
91576	2-Methylnaphthalene	2.81E+03	5.22E-02	7.75E-06	2.46E+01	2.12E-02	5.17E-04	25	514.26	761.00	12,600	0.0E+00	7.0E-02	S		X
92524	Biphenyl	4.38E+03	4.04E-02	8.15E-06	7.45E+00	1.23E-02	2.99E-04	25	529.10	789.00	10,890	0.0E+00	1.8E-01	S		X
95476	o-Xylene	3.63E+02	8.70E-02	1.00E-05	1.78E+02	2.12E-01	5.18E-03	25	417.60	630.30	8,661	0.0E+00	1.0E-01	L		
95501	1,2-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	1.56E+02	7.77E-02	1.90E-03	25	453.57	705.00	9,700	0.0E+00	2.0E-01	L		

95578 2-Chlorophenol	3.88E+02	5.01E-02	9.46E-06	2.20E+04	1.60E-02	3.90E-04	25	447.53	675.00	9,572	0.0E+00	1.8E-02	L		X
95636 1,2,4-Trimethylbenzene	1.35E+03	6.06E-02	7.92E-06	5.70E+01	2.52E-01	6.14E-03	25	442.30	649.17	9,369	0.0E+00	6.0E-03	L		
96184 1,2,3-Trichloropropane	2.20E+01	7.10E-02	7.90E-06	1.75E+03	1.67E-02	4.08E-04	25	430.00	652.00	9,171	5.7E-04	4.9E-03	L	X	
96333 Methyl acrylate	4.53E+00	9.76E-02	1.02E-05	6.00E+04	7.68E-03	1.87E-04	25	353.70	536.00	7,749	0.0E+00	1.1E-01	L		X
97632 Ethylmethacrylate	2.95E+01	6.53E-02	8.37E-06	3.67E+03	3.44E-02	8.40E-04	25	390.00	571.00	10,957	0.0E+00	3.2E-01	L		X
98066 tert-Butylbenzene	7.71E+02	5.65E-02	8.02E-06	2.95E+01	4.87E-01	1.19E-02	25	442.10	1220.00	8,980	0.0E+00	1.4E-01	L		X
98828 Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.46E-02	25	425.56	631.10	10,335	0.0E+00	4.0E-01	L		
98862 Acetophenone	5.77E+01	6.00E-02	8.73E-06	6.13E+03	4.38E-04	1.07E-05	25	475.00	709.50	11,732	0.0E+00	3.5E-01	S,L		X
98953 Nitrobenzene	6.46E+01	7.60E-02	8.60E-06	2.09E+03	9.82E-04	2.39E-05	25	483.95	719.00	10,566	0.0E+00	2.0E-03	L		
100414 Ethylbenzene	3.63E+02	7.50E-02	7.80E-06	1.69E+02	3.22E-01	7.86E-03	25	409.34	617.20	8,501	0.0E+00	1.0E+00	L		
100425 Styrene	7.76E+02	7.10E-02	8.00E-06	3.10E+02	1.12E-01	2.74E-03	25	418.31	636.00	8,737	0.0E+00	1.0E+00	L		
100447 Benzylchloride	6.14E+01	7.50E-02	7.80E-06	5.25E+02	1.70E-02	4.14E-04	25	452.00	685.00	8,773	4.9E-05	0.0E+00	L	X	
100527 Benzaldehyde	4.59E+01	7.21E-02	9.07E-06	3.30E+03	9.73E-04	2.37E-05	25	452.00	695.00	11,658	0.0E+00	3.5E-01	L		X
103651 n-Propylbenzene	5.62E+02	6.01E-02	7.83E-06	6.00E+01	4.37E-01	1.07E-02	25	432.20	630.00	9,123	0.0E+00	1.4E-01	L		X
104518 n-Butylbenzene	1.11E+03	5.70E-02	8.12E-06	2.00E+00	5.38E-01	1.31E-02	25	456.46	660.50	9,290	0.0E+00	1.4E-01	L		X
106423 p-Xylene	3.89E+02	7.69E-02	8.44E-06	1.85E+02	3.13E-01	7.64E-03	25	411.52	616.20	8,525	0.0E+00	1.0E-01	L		
106467 1,4-Dichlorobenzene	6.17E+02	6.90E-02	7.90E-06	7.90E+01	9.82E-02	2.39E-03	25	447.21	684.75	9,271	0.0E+00	8.0E-01	S		
106934 1,2-Dibromoethane (ethylene dib	2.50E+01	2.17E-02	1.19E-05	4.18E+03	3.04E-02	7.41E-04	25	404.60	583.00	8,310	2.2E-04	2.0E-04	L		
106990 1,3-Butadiene	1.91E+01	2.49E-01	1.08E-05	7.35E+02	3.01E+00	7.34E-02	25	268.60	425.00	5,370	3.0E-02	2.0E-03	L		
107028 Acrolein	2.76E+00	1.05E-01	1.22E-05	2.13E+05	4.99E-03	1.22E-04	25	325.60	506.00	6,731	0.0E+00	2.0E-05	L		
107062 1,2-Dichloroethane	1.74E+01	1.04E-01	9.90E-06	8.52E+03	4.00E-02	9.77E-04	25	356.65	561.00	7,643	2.6E-05	0.0E+00	L		
107131 Acrylonitrile	5.90E+00	1.22E-01	1.34E-05	7.40E+04	4.21E-03	1.03E-04	25	350.30	519.00	7,786	6.8E-05	2.0E-03	L		
108054 Vinyl acetate	5.25E+00	8.50E-02	9.20E-06	2.00E+04	2.09E-02	5.10E-04	25	345.65	519.13	7,800	0.0E+00	2.0E-01	L		
108101 Methylisobutylketone (4-methyl-2	9.06E+00	7.50E-02	7.80E-06	1.90E+04	5.64E-03	1.38E-04	25	389.50	571.00	8,243	0.0E+00	3.0E+00	L		
108383 m-Xylene	4.07E+02	7.00E-02	7.80E-06	1.61E+02	3.00E-01	7.32E-03	25	412.27	617.05	8,523	0.0E+00	1.0E-01	L		
108678 1,3,5-Trimethylbenzene	1.35E+03	6.02E-02	8.67E-06	2.00E+00	2.41E-01	5.87E-03	25	437.89	637.25	9,321	0.0E+00	6.0E-03	L		
108872 Methylcyclohexane	7.85E+01	7.35E-02	8.52E-06	1.40E+01	4.22E+00	1.03E-01	25	373.90	572.20	7,474	0.0E+00	3.0E+00	L		
108883 Toluene	1.82E+02	8.70E-02	8.60E-06	5.26E+02	2.72E-01	6.62E-03	25	383.78	591.79	7,930	0.0E+00	4.0E-01	L		
108907 Chlorobenzene	2.19E+02	7.30E-02	8.70E-06	4.72E+02	1.51E-01	3.69E-03	25	404.87	632.40	8,410	0.0E+00	6.0E-02	L		
109693 1-Chlorobutane	1.72E+01	8.26E-02	1.00E-05	1.10E+03	6.93E-01	1.69E-02	25	351.60	542.00	7,263	0.0E+00	1.4E+00	L		X
110009 Furan	1.86E+01	1.04E-01	1.22E-05	1.00E+04	2.21E-01	5.39E-03	25	304.60	490.20	6,477	0.0E+00	3.5E-03	L		X
110543 Hexane	4.34E+01	2.00E-01	7.77E-06	1.24E+01	6.82E+01	1.66E+00	25	341.70	508.00	6,895	0.0E+00	2.0E-01	L		
111444 Bis(2-chloroethyl)ether	1.55E+01	6.92E-02	7.53E-06	1.72E+04	7.36E-04	1.80E-05	25	451.15	659.79	10,803	3.3E-04	0.0E+00	L		
115297 Endosulfan	2.14E+03	1.15E-02	4.55E-06	5.10E-01	4.58E-04	1.12E-05	25	674.43	942.94	14,000	0.0E+00	2.1E-02	S		X
118741 Hexachlorobenzene	5.50E+04	5.42E-02	5.91E-06	5.00E-03	5.40E-02	1.32E-03	25	582.55	825.00	14,447	4.6E-04	2.8E-03	S		X
120821 1,2,4-Trichlorobenzene	1.78E+03	3.00E-02	8.23E-06	4.88E+01	5.81E-02	1.42E-03	25	486.15	725.00	10,471	0.0E+00	4.0E-03	L		
123739 Crotonaldehyde (2-butenal)	4.82E+00	9.56E-02	1.07E-05	3.69E+04	7.99E-04	1.95E-05	25	375.20	568.00	9	5.4E-04	0.0E+00	L	X	
124481 Chlorodibromomethane	6.31E+01	1.96E-02	1.05E-05	2.60E+03	3.20E-02	7.81E-04	25	416.14	678.20	5,900	2.4E-05	7.0E-02	L	X	X
126987 Methacrylonitrile	3.58E+01	1.12E-01	1.32E-05	2.54E+04	1.01E-02	2.46E-04	25	363.30	554.00	7,600	0.0E+00	7.0E-04	L		
126998 2-Chloro-1,3-butadiene (chloropr	6.73E+01	8.58E-02	1.03E-05	2.12E+03	4.91E-01	1.20E-02	25	332.40	525.00	8,075	0.0E+00	7.0E-03	L		
127184 Tetrachloroethylene	1.55E+02	7.20E-02	8.20E-06	2.00E+02	7.53E-01	1.84E-02	25	394.40	620.20	8,288	5.9E-06	6.0E-01	L		
129000 Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E+00	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	S		X
132649 Dibenzofuran	5.15E+03	2.38E-02	6.00E-06	3.10E+00	5.15E-04	1.26E-05	25	560	824	66400	0.0E+00	1.4E-02	S		X
135988 sec-Butylbenzene	9.66E+02	5.70E-02	8.12E-06	3.94E+00	5.68E-01	1.39E-02	25	446.5	679	88730	0.0E+00	1.4E-01	L		X
141786 Ethylacetate	6.44E+00	7.32E-02	9.70E-06	8.03E+04	5.64E-03	1.38E-04	25	350.26	523.3	7633.66	0.0E+00	3.2E+00	L		X
156592 cis-1,2-Dichloroethylene	3.55E+01	7.36E-02	1.13E-05	3.50E+03	1.67E-01	4.07E-03	25	333.65	544	7192	0.0E+00	3.5E-02	L		X
156605 trans-1,2-Dichloroethylene	5.25E+01	7.07E-02	1.19E-05	6.30E+03	3.84E-01	9.36E-03	25	320.85	516.5	6717	0.0E+00	7.0E-02	L		X
205992 Benzo(b)fluoranthene	1.23E+06	2.26E-02	5.56E-06	1.50E-03	4.54E-03	1.11E-04	25	715.9	969.27	17000	2.1E-04	0.0E+00	S	X	
218019 Chrysene	3.98E+05	2.48E-02	6.21E-06	6.30E-03	3.87E-03	9.44E-05	25	714.15	979	16455	2.1E-06	0.0E+00	S	X	
309002 Aldrin	2.45E+06	1.32E-02	4.86E-06	1.70E-02	6.95E-03	1.70E-04	25	603.01	839.37	15000	4.9E-03	1.1E-04	S		X
319846 alpha-HCH (alpha-BHC)	1.23E+03	1.42E-02	7.34E-06	2.00E+00	4.34E-04	1.06E-05	25	596.55	839.36	15000	1.8E-03	0.0E+00	S		
541731 1,3-Dichlorobenzene	1.98E+03	6.92E-02	7.86E-06	1.34E+02	1.27E-01	3.09E-03	25	446	684	9230.18	0.0E+00	1.1E-01	L		X
542756 1,3-Dichloropropene	4.57E+01	6.26E-02	1.00E-05	2.80E+03	7.24E-01	1.77E-02	25	381.15	587.38	7900	4.0E-06	2.0E-02	L		
630206 1,1,1,2-Tetrachloroethane	1.16E+02	7.10E-02	7.90E-06	1.10E+03	9.90E-02	2.41E-03	25	403.5	624	9768.282525	7.4E-06	1.1E-01	L		X
1634044 MTBE	7.26E+00	1.02E-01	1.05E-05	5.10E+04	2.56E-02	6.23E-04	25	328.3	497.1	6677.66	0.0E+00	3.0E+00	L		
7439976 Mercury (elemental)	5.20E+01	3.07E-02	6.30E-06	2.00E+01	4.40E-01	1.07E-02	25	629.88	1750	14127	0.0E+00	3.0E-04	L		

ProUCL Output

General UCL Statistics for Data Sets with Non-Detects

User Selected Options		Units = ug/kg
From File	WorkSheet.wst	
Full Precision	OFF	
Confidence Coefficient	95%	
Number of Bootstrap Operations	2000	

Benzene

General Statistics

Number of Valid Data	134	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	132
Number of Missing Values	21	Percent Non-Detects	98.51%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.2	Minimum Detected	0.182
Maximum Detected	3800	Maximum Detected	8.243
Mean of Detected	1901	Mean of Detected	4.213
SD of Detected	2686	SD of Detected	5.7
Minimum Non-Detect	5.2	Minimum Non-Detect	1.649
Maximum Non-Detect	7000	Maximum Non-Detect	8.854

Note: Data have multiple DLs - Use of KM Method is recommended	Number treated as Non-Detect	134
For all methods (except KM, DL/2, and ROS Methods),	Number treated as Detected	0
Observations < Largest ND are treated as NDs	Single DL Non-Detect Percentage	100.00%

Warning: Data set has only 2 Distinct Detected Values.

This may not be adequate enough to compute meaningful and reliable test statistics and estimates.

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.

ProUCL Output

The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.
Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.
However, results obtained using 4 to 9 distinct values may not be reliable.
It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only

Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A

Data not Normal at 5% Significance Level

Lognormal Distribution Test with Detected Values Only

Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A

Data not Lognormal at 5% Significance Level

Assuming Normal Distribution

DL/2 Substitution Method	
Mean	57.21
SD	444.3
95% DL/2 (t) UCL	120.8
Maximum Likelihood Estimate(MLE) Method	N/A

MLE method failed to converge properly

Assuming Lognormal Distribution

DL/2 Substitution Method	
Mean	1.126
SD	0.878
95% H-Stat (DL/2) UCL	5.312
Log ROS Method	
Mean in Log Scale	N/A
SD in Log Scale	N/A
Mean in Original Scale	N/A
SD in Original Scale	N/A
95% t UCL	N/A
95% Percentile Bootstrap UCL	N/A
95% BCA Bootstrap UCL	N/A
95% H-UCL	N/A

Gamma Distribution Test with Detected Values Only

Data Distribution Test with Detected Values Only

k star (bias corrected)	N/A
Theta Star	N/A
nu star	N/A
A-D Test Statistic	N/A
5% A-D Critical Value	N/A
K-S Test Statistic	N/A
5% K-S Critical Value	N/A

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

Gamma ROS Statistics using Extrapolated Data

Minimum	N/A
Maximum	N/A
Mean	N/A
Median	N/A
SD	N/A
k star	N/A
Theta star	N/A
Nu star	N/A
AppChi2	N/A
95% Gamma Approximate UCL (Use when n >= 40)	N/A
95% Adjusted Gamma UCL (Use when n < 40)	N/A

Note: DL/2 is not a recommended method.

Data do not follow a Discernable Distribution (0.05)

Nonparametric Statistics

Kaplan-Meier (KM) Method

Mean	29.76
SD	328.2
SE of Mean	40.24
95% KM (t) UCL	96.42
95% KM (z) UCL	95.95
95% KM (jackknife) UCL	2486
95% KM (bootstrap t) UCL	N/A
95% KM (BCA) UCL	3800
95% KM (Percentile Bootstrap) UCL	3800
95% KM (Chebyshev) UCL	205.2
97.5% KM (Chebyshev) UCL	281.1
99% KM (Chebyshev) UCL	430.2

Potential UCLs to Use

97.5% KM (Chebyshev) UCL	281.1

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

Ethylbenzene

ProUCL Output

General Statistics

Number of Valid Data	134	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	131
Number of Missing Values	21	Percent Non-Detects	97.76%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.3	Minimum Detected	0.262
Maximum Detected	54000	Maximum Detected	10.9
Mean of Detected	19300	Mean of Detected	6.476
SD of Detected	30114	SD of Detected	5.539
Minimum Non-Detect	5.2	Minimum Non-Detect	1.649
Maximum Non-Detect	6	Maximum Non-Detect	1.792

Note: Data have multiple DLs - Use of KM Method is recommended
For all methods (except KM, DL/2, and ROS Methods),
Observations < Largest ND are treated as NDs

Number treated as Non-Detect	132
Number treated as Detected	2
Single DL Non-Detect Percentage	98.51%

Warning: There are only 3 Distinct Detected Values in this data set
The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.
Those methods will return a 'N/A' value on your output display!

It is necessary to have 4 or more Distinct Values for bootstrap methods.
However, results obtained using 4 to 9 distinct values may not be reliable.
It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.804	Shapiro Wilk Test Statistic	0.921
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	

ProUCL Output

Assuming Normal Distribution

DL/2 Substitution Method	
Mean	434.8
SD	4674
95% DL/2 (t) UCL	1104
Maximum Likelihood Estimate(MLE) Method	N/A

MLE method failed to converge properly

Assuming Lognormal Distribution

DL/2 Substitution Method	
Mean	1.147
SD	1.057
95% H-Stat (DL/2) UCL	6.764
Log ROS Method	
Mean in Log Scale	0.274
SD in Log Scale	3.435
Mean in Original Scale	481
SD in Original Scale	4674
95% t UCL	1150
95% Percentile Bootstrap UCL	1282
95% BCA Bootstrap UCL	2069
95% H-UCL	2189

Gamma Distribution Test with Detected Values Only

k star (bias corrected)	N/A
Theta Star	N/A
nu star	N/A
A-D Test Statistic	N/A
5% A-D Critical Value	N/A
K-S Test Statistic	N/A
5% K-S Critical Value	N/A

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

Gamma ROS Statistics using Extrapolated Data	
Minimum	N/A
Maximum	N/A
Mean	N/A

Data Distribution Test with Detected Values Only

Data appear Normal at 5% Significance Level

Nonparametric Statistics

Kaplan-Meier (KM) Method	
Mean	433.4
SD	4657
SE of Mean	492.7
95% KM (t) UCL	1249
95% KM (z) UCL	1244
95% KM (jackknife) UCL	2976
95% KM (bootstrap t) UCL	4468
95% KM (BCA) UCL	54000
95% KM (Percentile Bootstrap) UCL	54000

Median	N/A	95% KM (Chebyshev) UCL	2581
SD	N/A	97.5% KM (Chebyshev) UCL	3510
k star	N/A	99% KM (Chebyshev) UCL	5336
Theta star	N/A		
Nu star	N/A	Potential UCLs to Use	
AppChi2	N/A	95% KM (t) UCL	1249
95% Gamma Approximate UCL (Use when n >= 40)	N/A	95% KM (Percentile Bootstrap) UCL	54000
95% Adjusted Gamma UCL (Use when n < 40)	N/A		

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

Tetrachloroethene

General Statistics

Number of Valid Data	134	Number of Detected Data	1
Number of Distinct Detected Data	1	Number of Non-Detect Data	133
Number of Missing Values	21	Percent Non-Detects	99.25%

Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!
It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Tetrachloroethene was not processed!

Toluene

General Statistics

ProUCL Output

Number of Valid Data	134	Number of Detected Data	29
Number of Distinct Detected Data	24	Number of Non-Detect Data	105
Number of Missing Values	21	Percent Non-Detects	78.36%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.2	Minimum Detected	0.182
Maximum Detected	82000	Maximum Detected	11.31
Mean of Detected	3315	Mean of Detected	1.905
SD of Detected	15355	SD of Detected	2.494
Minimum Non-Detect	5.3	Minimum Non-Detect	1.668
Maximum Non-Detect	54	Maximum Non-Detect	3.989

Note: Data have multiple DLs - Use of KM Method is recommended
For all methods (except KM, DL/2, and ROS Methods),
Observations < Largest ND are treated as NDs

Number treated as Non-Detect	132
Number treated as Detected	2
Single DL Non-Detect Percentage	98.51%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.235	Shapiro Wilk Test Statistic	0.577
5% Shapiro Wilk Critical Value	0.926	5% Shapiro Wilk Critical Value	0.926
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	719.8	Mean	1.232
SD	7177	SD	1.214
95% DL/2 (t) UCL	1747	95% H-Stat (DL/2) UCL	9.227
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	1.09
		SD in Log Scale	1.565
		Mean in Original Scale	720.6

ProUCL Output

SD in Original Scale	7177
95% t UCL	1748
95% Percentile Bootstrap UCL	1944
95% BCA Bootstrap UCL	3063
95% H-UCL	14.75

Gamma Distribution Test with Detected Values Only

k star (bias corrected)	0.137
Theta Star	24238
nu star	7.932
A-D Test Statistic	8.584
5% A-D Critical Value	0.934
K-S Test Statistic	0.934
5% K-S Critical Value	0.183

Data not Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

Gamma ROS Statistics using Extrapolated Data	
Minimum	0.000001
Maximum	82000
Mean	1025
Median	0.000001
SD	7221
k star	0.0629
Theta star	16302
Nu star	16.85
AppChi2	8.564
95% Gamma Approximate UCL (Use when n >= 40)	2016
95% Adjusted Gamma UCL (Use when n < 40)	2032

Note: DL/2 is not a recommended method.

Data Distribution Test with Detected Values Only

Data do not follow a Discernable Distribution (0.05)

Nonparametric Statistics

Kaplan-Meier (KM) Method	
Mean	719.4
SD	7150
SE of Mean	628.6
95% KM (t) UCL	1761
95% KM (z) UCL	1753
95% KM (jackknife) UCL	1746
95% KM (bootstrap t) UCL	1623792
95% KM (BCA) UCL	1944
95% KM (Percentile Bootstrap) UCL	1943
95% KM (Chebyshev) UCL	3459
97.5% KM (Chebyshev) UCL	4645
99% KM (Chebyshev) UCL	6974

Potential UCLs to Use

97.5% KM (Chebyshev) UCL	4645

ProUCL Output

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

Xylenes (total)

General Statistics

Number of Valid Data	134	Number of Detected Data	8
Number of Distinct Detected Data	7	Number of Non-Detect Data	126
Number of Missing Values	21	Percent Non-Detects	94.03%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.5	Minimum Detected	0.405
Maximum Detected	260000	Maximum Detected	12.47
Mean of Detected	36628	Mean of Detected	3.755
SD of Detected	90991	SD of Detected	4.823
Minimum Non-Detect	5.2	Minimum Non-Detect	1.649
Maximum Non-Detect	6	Maximum Non-Detect	1.792

Note: Data have multiple DLs - Use of KM Method is recommended	Number treated as Non-Detect	131
For all methods (except KM, DL/2, and ROS Methods),	Number treated as Detected	3
Observations < Largest ND are treated as NDs	Single DL Non-Detect Percentage	97.76%

Warning: There are only 8 Detected Values in this data
Note: It should be noted that even though bootstrap may be performed on this data set
the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics

ProUCL Output

Normal Distribution Test with Detected Values Only

Shapiro Wilk Test Statistic	0.486
5% Shapiro Wilk Critical Value	0.818

Data not Normal at 5% Significance Level

Assuming Normal Distribution

DL/2 Substitution Method	
Mean	2189
SD	22619
95% DL/2 (t) UCL	5426
Maximum Likelihood Estimate(MLE) Method	N/A

MLE yields a negative mean

Lognormal Distribution Test with Detected Values Only

Shapiro Wilk Test Statistic	0.713
5% Shapiro Wilk Critical Value	0.818

Data not Lognormal at 5% Significance Level

Assuming Lognormal Distribution

DL/2 Substitution Method	
Mean	1.19
SD	1.283
95% H-Stat (DL/2) UCL	9.845
Log ROS Method	
Mean in Log Scale	0.85
SD in Log Scale	2.556
Mean in Original Scale	2200
SD in Original Scale	22618
95% t UCL	5436
95% Percentile Bootstrap UCL	6078
95% BCA Bootstrap UCL	8512
95% H-UCL	147.5

Gamma Distribution Test with Detected Values Only

k star (bias corrected)	0.157
Theta Star	233428
nu star	2.511
A-D Test Statistic	1.381
5% A-D Critical Value	0.866
K-S Test Statistic	0.866
5% K-S Critical Value	0.328

Data not Gamma Distributed at 5% Significance Level

Data Distribution Test with Detected Values Only

Data do not follow a Discernable Distribution (0.05)

Nonparametric Statistics

Kaplan-Meier (KM) Method	
Mean	2189
SD	22535
SE of Mean	2081
95% KM (t) UCL	5636

ProUCL Output

Assuming Gamma Distribution	
Gamma ROS Statistics using Extrapolated Data	
Minimum	0.000001
Maximum	260000
Mean	7625
Median	0.000001
SD	25532
k star	0.0587
Theta star	129895
Nu star	15.73
AppChi2	7.774
95% Gamma Approximate UCL (Use when n >= 40)	15432
95% Adjusted Gamma UCL (Use when n < 40)	15554

Note: DL/2 is not a recommended method.

95% KM (z) UCL	5612
95% KM (jackknife) UCL	5425
95% KM (bootstrap t) UCL	15633168
95% KM (BCA) UCL	6070
95% KM (Percentile Bootstrap) UCL	6069
95% KM (Chebyshev) UCL	11260
97.5% KM (Chebyshev) UCL	15185
99% KM (Chebyshev) UCL	22896
Potential UCLs to Use	
97.5% KM (Chebyshev) UCL	15185

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
For additional insight, the user may want to consult a statistician.

ProUCL Output

ProUCL Output

ProUCL Input Table

Location	Sample Number	Depth (ft bgs)	Laboratory Sample Number	Sample Date	Benzene	d_Benzene	Ethylbenzene	d_Ethylbenzene	Tetrachloroethene	d_Tetrachloroethene	Toluene	d_Toluene	Xylenes (total)	d_Xylenes (total)
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	5.8	0	5.8	0	5.8	0	5.8	0	5.8	0
1271	CAN127-1271-0002	2	0313740004SA	9/23/1993	5.8	0	5.8	0	5.8	0	5.8	0	5.8	0
1271	CAN127-1271-0004	4	0313740005SA	9/23/1993	5.8	0	5.8	0	5.8	0	5.8	0	5.8	0
1271	CAN127-1271-0008	8	0313740006SA	9/23/1993	5.7	0	5.7	0	5.7	0	5.7	0	5.7	0
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	5.8	0	5.8	0	5.8	0	5.8	0	5.8	0
1272	CAN127-1272-0002	2	0313740008SA	9/23/1993	6.0	0	6.0	0	6.0	0	6.0	0	6.0	0
1272	CAN127-1272-0004	4	0313740009SA	9/23/1993	5.9	0	5.9	0	5.9	0	5.9	0	5.9	0
1272	CAN127-1272-0008	8	0313740010SA	9/23/1993	5.9	0	5.9	0	5.9	0	5.9	0	5.9	0
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	5.2	0	5.2	0	5.2	0	12	1	3.4	1
1273	CAN127-1273-0002	2	0312160002SA	9/13/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1273	CAN127-1273-0004	4	0312160004SA	9/13/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1273	CAN127-1273-0008	8	0312160003SA	9/13/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	5.6	0	5.6	0	5.6	0	3.5	1	5.6	0
1273	CAN127-1273-0028	28	0312160006SA	9/13/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1273	CAN127-1273-0038	38	0312160007SA	9/13/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1273	CAN127-1273-0048	48	0312160008SA	9/13/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1273	CAN127-1273-0058	58	0312160009SA	9/13/1993	5.4	0	5.4	0	5.4	0	1.2	1	5.4	0
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	5.5	0	5.5	0	5.5	0	2.3	1	1.5	1
1274	CAN127-1274-0002	2	0312770002SA	9/14/1993	5.5	0	5.5	0	5.5	0	2.8	1	5.5	0
1274	CAN127-1274-0004	4	0312770003SA	9/14/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1274	CAN127-1274-0008	8	0312770004SA	9/14/1993	5.7	0	5.7	0	5.7	0	5.7	0	5.7	0
1274	CAN127-1274-0018	18	0312770005SA	9/14/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1274	CAN127-1274-0028	28	0312770007SA	9/14/1993	5.6	0	5.6	0	5.6	0	5.6	0	5.6	0
1274	CAN127-1274-0038	38	0312770008SA	9/14/1993	5.6	0	5.6	0	5.6	0	2.0	1	5.6	0
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	5.5	0	5.5	0	5.5	0	3.3	1	5.5	0
1274	CAN127-1274-0058	58	0312770010SA	9/14/1993	5.4	0	5.4	0	5.4	0	1.6	1	5.4	0
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	5.2	0	5.2	0	5.2	0	5.2	1	5.2	0
1275	CAN127-1275-0002	2	0312770012SA	9/14/1993	5.8	0	5.8	0	5.8	0	5.8	0	5.8	0
1275	CAN127-1275-0004	4	0312770013SA	9/14/1993	5.7	0	5.7	0	5.7	0	5.4	1	5.7	0
1275	CAN127-1275-0008	8	0312770014SA	9/14/1993	5.8	0	5.8	0	5.8	0	18	1	5.8	0
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	1.2	1	1.3	1	2.9	1	6.2	1	2.4	1
1275	CAN127-1275-0028	28	0312770016SA	9/14/1993	5.6	0	5.6	0	5.6	0	5.6	0	5.6	0
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	5.5	0	5.5	0	5.5	0	7.2	1	5.5	0
1275	CAN127-1275-0048	48	0312770018SA	9/14/1993	5.6	0	5.6	0	5.6	0	12	1	5.6	0
1275	CAN127-1275-0058	58	0312770019SA	9/14/1993	5.6	0	5.6	0	5.6	0	5.6	0	5.6	0
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	5.2	0	5.2	0	5.2	0	15	1	12	1
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	5.4	0	5.4	0	5.4	0	5.4	0	5.4	0
1276	CAN127-1276-0004	4	0312150009SA	9/13/1993	5.4	0	5.4	0	5.4	0	5.4	0	5.4	0
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1276	CAN127-1276-0018	18	0312150011SA	9/13/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1276	CAN127-1276-0028	28	0312150012SA	9/13/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1276	CAN127-1276-0038	38	0312150013SA	9/13/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1276	CAN127-1276-0058	58	0312150015SA	9/13/1993	5.4	0	5.4	0	5.4	0	2.5	1	5.4	0

ProUCL Input Table

Location	Sample Number	Depth (ft bgs)	Laboratory Sample Number	Sample Date	Benzene	d_Benzene	Ethylbenzene	d_Ethylbenzene	Tetrachloroethene	d_Tetrachloroethene	Toluene	d_Toluene	Xylenes (total)	d_Xylenes (total)
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	5.3	0	5.3	0	5.3	0	5.5	1	5.9	1
1277	CAN127-1277-0002	2	0311840010SA	9/12/1993	5.4	0	5.4	0	5.4	0	3.8	1	1.5	1
1277	CAN127-1277-0004	4	0311840011SA	9/12/1993	5.5	0	5.5	0	5.5	0	2.1	1	5.5	0
1277	CAN127-1277-0008	8	0311840012SA	9/12/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	5.7	0	5.7	0	5.7	0	5.7	0	5.7	0
1277	CAN127-1277-0028	28	0311840014SA	9/12/1993	5.6	0	5.6	0	5.6	0	5.6	0	5.6	0
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	5.5	0	5.5	0	5.5	0	1.7	1	5.5	0
1277	CAN127-1277-0048	48	0311840016SA	9/12/1993	5.5	0	5.5	0	5.5	0	2.0	1	5.5	0
1277	CAN127-1277-0058	58	0311840017SA	9/12/1993	5.5	0	5.5	0	5.5	0	2.6	1	5.5	0
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	5.3	0	5.3	0	5.3	0	5.3	0	5.3	0
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	5.4	0	5.4	0	5.4	0	5.4	0	5.4	0
1278	CAN127-1278-0004	4	0311840004SA	9/12/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	5.6	0	**5.6**	0	**5.6**	**0**	5.6	0	5.6	0
1278	CAN127-1278-0018	18	0311840006SA	9/12/1993	5.7	0	5.7	0	5.7	0	5.7	0	5.7	0
1278	CAN127-1278-0028	28	0311840007SA	9/12/1993	5.6	0	5.6	0	5.6	0	5.6	0	5.6	0
1278	CAN127-1278-0038	38	0311840008SA	9/12/1993	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	5.6	0	5.6	0	5.6	0	5.6	0	5.6	0
1278	CAN127-1278-0058	58	0312160011SA	9/13/1993	5.6	0	5.6	0	5.6	0	5.6	0	5.6	0
2709	CAN127-2709-0000	0	0398710011SA	12/13/1994	7000	0	3900	1	5.7	0	14000	1	33000	1
2709	CAN127-2709-0005	5	0398710009SA	12/13/1994	5.8	0	5.8	0	5.7	0	5.8	0	5.8	0
2709	CAN127-2709-0010	10	0398710008SA	12/13/1994	5.7	0	5.7	0	5.7	0	5.7	0	5.7	0
2710	CAN127-2710-0000	0	0398710005SA	12/13/1994	3800	1	54000	1	5.7	0	82000	1	260000	1
2710	CAN127-2710-0005	5	0398710003SA	12/13/1994	5.9	0	5.9	0	5.7	0	5.9	0	5.9	0
2710	CAN127-2710-0010	10	0398710007SA	12/13/1994	5.5	0	5.5	0	5.7	0	5.5	0	5.5	0
2711	CAN127-2711-0000	0	0397370007SA	12/9/1994	5.4	0	5.4	0	5.7	0	5.4	0	5.4	0
2711	CAN127-2711-0005	5	0397370008SA	12/9/1994	5.3	0	5.3	0	5.7	0	5.3	0	5.3	0
2711	CAN127-2711-0010	10	0397370009SA	12/9/1994	5.7	0	5.7	0	5.7	0	5.7	0	5.7	0
2711	CAN127-2711-0015	15	0397370010SA	12/9/1994	5.5	0	5.5	0	5.7	0	5.5	0	5.5	0
2711	CAN127-2711-0020	20	0397370011SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2711	CAN127-2711-0025	25	0397370012SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2711	CAN127-2711-0030	30	0397370013SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2711	CAN127-2711-0035	35	0397740013SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2711	CAN127-2711-0040	40	0397740014SA	12/9/1994	5.5	0	5.5	0	5.7	0	5.5	0	5.5	0
2711	CAN127-2711-0050	50	0397740015SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2711	CAN127-2711-0060	60	0397740016SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2712	CAN127-2712-0000	0	0397130001SA	12/8/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2712	CAN127-2712-0005	5	0397130002SA	12/8/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2712	CAN127-2712-0010	10	0397130003SA	12/8/1994	5.6	0	5.6	0	5.7	0	5.4	0	5.6	0
2712	CAN127-2712-0015	15	0397130004SA	12/8/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2712	CAN127-2712-0020	20	0397130005SA	12/8/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2712	CAN127-2712-0025	25	0397130006SA	12/8/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2712	CAN127-2712-0030	30	0397130007SA	12/8/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2712	CAN127-2712-0035	35	0397130008SA	12/8/1994	5.6	0	5.6	0	5.7	0	5.8	0	5.6	0
2712	CAN127-2712-0040	40	0397130009SA	12/8/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0

ProUCL Input Table

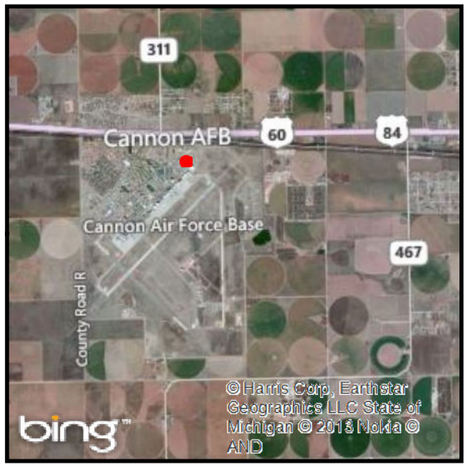
Location	Sample Number	Depth (ft bgs)	Laboratory Sample Number	Sample Date	Benzene	d_Benzene	Ethylbenzene	d_Ethylbenzene	Tetrachloroethene	d_Tetrachloroethene	Toluene	d_Toluene	Xylenes (total)	d_Xylenes (total)
2712	CAN127-2712-0050	50	0397130010SA	12/8/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2712	CAN127-2712-0060	60	0397130011SA	12/8/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2713	CAN127-2713-0000	0	0397380001SA	12/9/1994	5.6	0	5.6	0	5.7	0	1.3	1	5.6	0
2713	CAN127-2713-0005	5	0397380002SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2713	CAN127-2713-0010	10	397380003SA	12/9/1994	5.6	0	5.6	0	5.7	0	1.2	1	5.6	0
2713	CAN127-2713-0015	15	039780004SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.7	0	5.6	0
2713	CAN127-2713-0020	20	039738005SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2713	CAN127-2713-0025	25	039738006SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.8	0	5.6	0
2713	CAN127-2713-0030	30	0397380007SA	12/9/1994	5.6	0	5.6	0	5.7	0	1.6	1	5.6	0
2713	CAN127-2713-0035	35	0397380008SA	12/9/1994	5.6	0	5.6	0	5.7	0	9.0	1	5.6	0
2713	CAN127-2713-0040	40	0397380009SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2713	CAN127-2713-0050	50	0397380010SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.7	0	5.6	0
2713	CAN127-2713-0060	60	0397380011SA	12/9/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2714	CAN127-2714-0000	0	0396880006SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2714	CAN127-2714-0005	5	0396880008SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.4	0	5.6	0
2714	CAN127-2714-0010	10	0396880009SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.4	0	5.6	0
2714	CAN127-2714-0015	15	0396880010SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.4	0	5.6	0
2714	CAN127-2714-0020	20	0396880011SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2714	CAN127-2714-0025	25	0396880012SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2714	CAN127-2714-0030	30	0396880013SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2714	CAN127-2714-0035	35	0396880014SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2714	CAN127-2714-0040	40	0396880015SA	12/7/1994	5.6	0	5.6	0	5.7	0	54	0	5.6	0
2714	CAN127-2714-0050	50	0396880016SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.4	0	5.6	0
2714	CAN127-2714-0060	60	0396880017SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.4	0	5.6	0
2715	CAN127-2715-0000	0	0396860001SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2715	CAN127-2715-0005	5	0396860002SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.3	0	5.6	0
2715	CAN127-2715-0010	10	0396860003SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2715	CAN127-2715-0015	15	0396860004SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.4	0	5.6	0
2715	CAN127-2715-0020	20	0396860005SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2715	CAN127-2715-0025	25	0396860006SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2715	CAN127-2715-0030	30	0396860007SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2715	CAN127-2715-0035	35	0396860008SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2715	CAN127-2715-0040	40	039680009SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2715	CAN127-2715-0050	50	0396860010SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2715	CAN127-2715-0060	60	0397130012SA	12/7/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2716	CAN127-2716-0000	0	0396550007SA	12/6/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2716	CAN127-2716-0005	5	0396550008SA	12/6/1994	5.6	0	5.6	0	5.7	0	5.8	0	5.6	0
2716	CAN127-2716-0010	10	0396550009SA	12/6/1994	5.6	0	5.6	0	5.7	0	2.8	1	5.6	0
2716	CAN127-2716-0015	15	0396550010SA	12/6/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2716	CAN127-2716-0020	20	0396550011SA	12/6/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2716	CAN127-2716-0025	25	0396550012SA	12/6/1994	5.6	0	5.6	0	5.7	0	6.4	0	5.6	0
2716	CAN127-2716-0030	30	0396550013SA	12/6/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2716	CAN127-2716-0035	35	0396550003SA	12/6/1994	5.6	0	5.6	0	5.7	0	5.6	0	5.6	0
2716	CAN127-2716-0040	40	0396550004SA	12/6/1994	5.6	0	5.6	0	5.7	0	5.4	0	5.6	0

ProUCL Input Table

Location	Sample Number	Depth (ft bgs)	Laboratory Sample Number	Sample Date	Benzene	d_Benzene	Ethylbenzene	d_Ethylbenzene	Tetrachloroethene	d_Tetrachloroethene	Toluene	d_Toluene	Xylenes (total)	d_Xylenes (total)
2716	CAN127-2716-0050	50	0396550005SA	12/6/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
2716	CAN127-2716-0060	60	0396550006SA	12/6/1994	5.6	0	5.6	0	5.7	0	5.5	0	5.6	0
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1	*1E+31*	1

LEGEND

- Remedial Investigation Sample Location (1993/1994)
- Fence Line
- SWMU 127 Boundary
- SWMU 127 Study Area
- Area of Influence - Benzene
- Sample with Benzene Detection



SITE LOCATION

N

0 12.5 25 50 Feet

0 2.5 5 10 Meters

CANNON AIR FORCE BASE, NEW MEXICO

POL WASH PAD (SWMU 127

FIGURE 1

AREA-WEIGHTED AVERAGE CONCENTRATION OF BENZENE IN SURFACE SOIL

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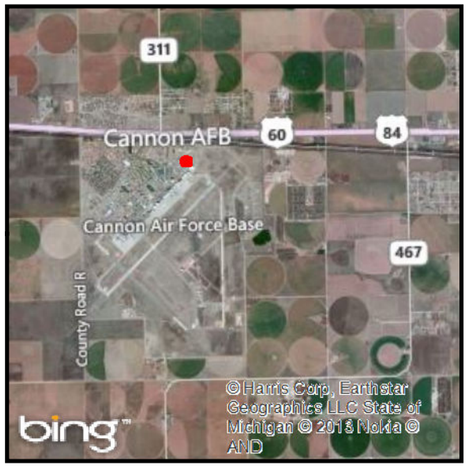
LEGEND

- Remedial Investigation Sample Location (1993/1994)
- Fence Line
- SWMU 127 Boundary
- SWMU 127 Study Area
- Area of Influence - Ethylbenzene
- Sample with Ethylbenzene Detection



SITE LOCATION

N

0 12.5 25 50 Feet

0 2.5 5 10 Meters

CANNON AIR FORCE BASE, NEW MEXICO

POL WASH PAD (SWMU 127)

FIGURE 2

AREA-WEIGHTED AVERAGE CONCENTRATION OF ETHYLBENZENE IN SURFACE SOIL

G:\Cannon_AFB\GIS_Documents\Project_Maps\CAFB_003_SWMU127_Ethylbenzene.mxd 9/27/2013 10:37:02 AM

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acetone			Benzene			Bromodichloromethane			Bromoform [e]			Bromomethane			2-Butanone (MEK)		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					7.50E+03	1.40E+04	J	3.80E+03	7.20E+03	J	ND	--	--	ND	--	--	ND	--	--	6.20E+01	1.10E+01	J
NMED Residential SSL Concentration [d]					6.66E+07			1.54E+04			5.41E+03			6.20E+04			1.65E+04			3.71E+07		
NMED Industrial SSL Concentration [d]					8.68E+08			8.47E+04			3.01E+04			2.20E+05			8.65E+04			3.75E+08		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	12	UJ	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	12	UJ	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	12	UJ	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	11	UJ	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	12	UJ	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	12	UJ	ND	6.0	U	ND	6.0	U	ND	6.0	U	ND	12	U	ND	12	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	12	UJ	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	12	U
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	12	UJ	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	12	U
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	10	UJ	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	10	U	ND	10	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	11	UJ	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	11	UJ	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	ND	11	UJ	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	11	UJ	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1273-0038	38	0312160007SA	9/13/1993	ND	12	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	11	UJ	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1273-0058	58	0312160009SA	9/13/1993	9.2	11	J	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	11	UJ	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	14	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	11	UJ	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	11	UJ	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U
	CAN127-1274-0018	18	0312770005SA	9/14/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	11	UJ	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-1274-0038	38	0312770008SA	9/14/1993	ND	11	UJ	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	11	UJ	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	10	UJ	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	10	U	ND	10	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	12	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	14	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	12	UJ	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	ND	15	U	1.2	5.8	J	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U
	CAN127-1275-0028	28	0312770016SA	9/14/1993	10	11	J	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	15	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	17	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-1275-0058	58	0312770019SA	9/14/1993	ND	15	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	12	U	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	10	U	ND	10	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	11	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	11	UJ	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	11	UJ	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	11	UJ	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	11	UJ	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1276-0038	38	0312150013SA	9/13/1993	ND	11	UJ	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acetone			Benzene			Bromodichloromethane			Bromoform [e]			Bromomethane			2-Butanone (MEK)		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					7.50E+03	1.40E+04	J	3.80E+03	7.20E+03	J	ND	--	--	ND	--	--	ND	--	--	6.20E+01	1.10E+01	J
NMED Residential SSL Concentration [d]					6.66E+07			1.54E+04			5.41E+03			6.20E+04			1.65E+04			3.71E+07		
NMED Industrial SSL Concentration [d]					8.68E+08			8.47E+04			3.01E+04			2.20E+05			8.65E+04			3.75E+08		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	16	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	16	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	11	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	11	U	ND	11	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	13	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	ND	20	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U
	CAN127-1277-0028	28	0311840014SA	9/12/1993	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	ND	14	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	20	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-1277-0058	58	0311840017SA	9/12/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	11	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	11	U	ND	11	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	11	UJ	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	110	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	6.6	11	J
	CAN127-1278-0018	18	0311840006SA	9/12/1993	ND	11	UJ	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U
	CAN127-1278-0028	28	0311840007SA	9/12/1993	ND	13	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	21	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	ND	16	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-1278-0058	58	0312160011SA	9/13/1993	ND	27	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	7.1	11	J
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	5,000	14,000	J	ND	7,000	U	ND	7,000	U	ND	7,000	U	ND	14,000	U	ND	14,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	7.3	12	J	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	11	11		ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	7,500	14,000	J	3,800	7,200	J	ND	7,200	U	ND	7,200	U	ND	14,000	U	ND	14,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	12	12		ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	12	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	11	11		ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	7.7	12	J	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	12	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	4.6	11	J	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	11	U	ND	11	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	5.3	11	J	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	7	11	J	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	5	11	J	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	8.6	11	J	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	1.3	11	J	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	10	11	J	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acetone			Benzene			Bromodichloromethane			Bromoform [e]			Bromomethane			2-Butanone (MEK)		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					7.50E+03	1.40E+04	J	3.80E+03	7.20E+03	J	ND	--	--	ND	--	--	ND	--	--	6.20E+01	1.10E+01	J
NMED Residential SSL Concentration [d]					6.66E+07			1.54E+04			5.41E+03			6.20E+04			1.65E+04			3.71E+07		
NMED Industrial SSL Concentration [d]					8.68E+08			8.47E+04			3.01E+04			2.20E+05			8.65E+04			3.75E+08		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	14	11		ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	12	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	12	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	5.6	11	J	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	3.1	11	J	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	25	11		ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	62	11	J
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	NR	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	1.3	11	J
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acetone			Benzene			Bromodichloromethane			Bromoform [e]			Bromomethane			2-Butanone (MEK)		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					7.50E+03	1.40E+04	J	3.80E+03	7.20E+03	J	ND	--	--	ND	--	--	ND	--	--	6.20E+01	1.10E+01	J
NMED Residential SSL Concentration [d]					6.66E+07			1.54E+04			5.41E+03			6.20E+04			1.65E+04			3.71E+07		
NMED Industrial SSL Concentration [d]					8.68E+08			8.47E+04			3.01E+04			2.20E+05			8.65E+04			3.75E+08		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	13	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	11	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	11	U	ND	11	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	19	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	9.5	11	J	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	8.5	11	J	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	26	11		ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	15	11		ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	16	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	6	12	J	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	4.6	11	J	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	14	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	4	11	J	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	13	U	ND	6.4	U	ND	6.4	U	ND	6.4	U	ND	13	U	ND	13	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	3.6	11	J	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	6.5	11	J	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	5.3	11	J	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	4.8	11	J	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acetone			Benzene			Bromodichloromethane			Bromoform [e]			Bromomethane			2-Butanone (MEK)		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					7.50E+03	1.40E+04	J	3.80E+03	7.20E+03	J	ND	--	--	ND	--	--	ND	--	--	6.20E+01	1.10E+01	J
NMED Residential SSL Concentration [d]					6.66E+07			1.54E+04			5.41E+03			6.20E+04			1.65E+04			3.71E+07		
NMED Industrial SSL Concentration [d]					8.68E+08			8.47E+04			3.01E+04			2.20E+05			8.65E+04			3.75E+08		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*31*	*of*	*141*	*2*	*of*	*141*	*0*	*of*	*141*	*0*	*0*	*141*	*0*	*of*	*141*	*4*	*of*	*141*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane (ethyl chloride) [e]			Chloroform			Chloromethane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	2.70E+00	5.80E+00	J	1.30E+00	5.80E+00	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.53E+06			1.08E+04			3.76E+05			1.50E+07			5.86E+03			2.75E+05		
NMED Industrial SSL Concentration [d]					8.33E+06			5.98E+04			2.12E+06			6.10E+07			3.27E+04			1.29E+06		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	5.8	U	ND	12	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	5.8	U	ND	12	U
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	5.8	U	ND	12	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	5.8	U	ND	12	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	6.0	U	ND	6.0	U	ND	6.0	U	ND	12	U	ND	6.0	U	ND	12	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	5.9	U	ND	12	U
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	5.9	U	ND	12	U
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	10	U	ND	5.2	U	ND	10	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1273-0038	38	0312160007SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1273-0058	58	0312160009SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U
	CAN127-1274-0018	18	0312770005SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-1274-0038	38	0312770008SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	10	U	ND	5.2	U	ND	10	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	5.8	U	ND	12	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	5.8	U	ND	12	U
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	ND	5.8	U	2.7	5.8	J	1.3	5.8	J	ND	12	U	ND	5.8	U	ND	12	U
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-1275-0058	58	0312770019SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	10	U	ND	5.2	U	ND	10	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1276-0038	38	0312150013SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane (ethyl chloride) [e]			Chloroform			Chloromethane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	2.70E+00	5.80E+00	J	1.30E+00	5.80E+00	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.53E+06			1.08E+04			3.76E+05			1.50E+07			5.86E+03			2.75E+05		
NMED Industrial SSL Concentration [d]					8.33E+06			5.98E+04			2.12E+06			6.10E+07			3.27E+04			1.29E+06		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	5.3	U	ND	5.3	U	ND	5.3	UJ	ND	11	U	ND	5.3	U	ND	11	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U
	CAN127-1277-0028	28	0311840014SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-1277-0058	58	0311840017SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	11	U	ND	5.3	U	ND	11	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	J	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U
	CAN127-1278-0028	28	0311840007SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-1278-0058	58	0312160011SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	7,000	U	ND	7,000	U	ND	7,000	U	ND	14,000	U	ND	7,000	U	ND	14,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	5.8	U	ND	12	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	7,200	U	ND	7,200	U	ND	7,200	U	ND	14,000	U	ND	7,200	U	ND	14,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	5.9	U	ND	12	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	5.9	U	ND	12	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	11	U	ND	5.3	U	ND	11	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane (ethyl chloride) [e]			Chloroform			Chloromethane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	2.70E+00	5.80E+00	J	1.30E+00	5.80E+00	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.53E+06			1.08E+04			3.76E+05			1.50E+07			5.86E+03			2.75E+05		
NMED Industrial SSL Concentration [d]					8.33E+06			5.98E+04			2.12E+06			6.10E+07			3.27E+04			1.29E+06		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	5.8	U	ND	12	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	5.8	U	ND	12	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	12	U	ND	5.6	U	ND	11	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	5.7	U	ND	11	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane (ethyl chloride) [e]			Chloroform			Chloromethane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	2.70E+00	5.80E+00	J	1.30E+00	5.80E+00	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.53E+06			1.08E+04			3.76E+05			1.50E+07			5.86E+03			2.75E+05		
NMED Industrial SSL Concentration [d]					8.33E+06			5.98E+04			2.12E+06			6.10E+07			3.27E+04			1.29E+06		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	11	U	ND	5.3	U	ND	11	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	5.8	U	ND	12	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	6.4	U	ND	6.4	U	ND	6.4	U	ND	13	U	ND	6.4	U	ND	13	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	5.6	U	ND	11	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	5.4	U	ND	11	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	5.5	U	ND	11	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane (ethyl chloride) [e]			Chloroform			Chloromethane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	2.70E+00	5.80E+00	J	1.30E+00	5.80E+00	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.53E+06			1.08E+04			3.76E+05			1.50E+07			5.86E+03			2.75E+05		
NMED Industrial SSL Concentration [d]					8.33E+06			5.98E+04			2.12E+06			6.10E+07			3.27E+04			1.29E+06		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of*	*141*	*1*	*of*	*141*	*2*	*of*	*141*	*0*	*of*	*141*	*0*	*of*	*141*	*0*	*of*	*141*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibromochloromethane			1,1-Dichloroethane			1,2-Dichloroethane			1,1-Dichloroethene			1,2-Dichloroethene (total)			1,2-Dichloropropane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	1.90E+00	5.20E+00	J	1.90E+00	5.80E+00	J	1.30E+00	5.80E+00	J	1.30E+01	5.40E+00	
NMED Residential SSL Concentration [d]					1.21E+04			6.45E+04			7.89E+03			4.49E+05			NE			1.52E+04		
NMED Industrial SSL Concentration [d]					6.24E+04			3.59E+05			4.35E+04			2.29E+06			NE			8.44E+04		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	6.0	U	ND	6.0	U	ND	6.0	U	ND	6.0	U	ND	6.0	U	ND	6.0	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	5.2	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0038	38	0312160007SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0058	58	0312160009SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-1274-0018	18	0312770005SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-1274-0038	38	0312770008SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	5.7	5.5	
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	13	5.4	
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	5.2	U	4.6	5.2	J
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	1.9	5.8	J	1.3	5.8	J	ND	5.8	U
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	7.7	5.5	
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-1275-0058	58	0312770019SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	5.2	U	ND	5.2	U	1.9	5.2	J	ND	5.2	U	ND	5.2	U	ND	5.2	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1276-0038	38	0312150013SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibromochloromethane			1,1-Dichloroethane			1,2-Dichloroethane			1,1-Dichloroethene			1,2-Dichloroethene (total)			1,2-Dichloropropane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	1.90E+00	5.20E+00	J	1.90E+00	5.80E+00	J	1.30E+00	5.80E+00	J	1.30E+01	5.40E+00	
NMED Residential SSL Concentration [d]					1.21E+04			6.45E+04			7.89E+03			4.49E+05			NE			1.52E+04		
NMED Industrial SSL Concentration [d]					6.24E+04			3.59E+05			4.35E+04			2.29E+06			NE			8.44E+04		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-1277-0028	28	0311840014SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1277-0058	58	0311840017SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-1278-0028	28	0311840007SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-1278-0058	58	0312160011SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	7,000	U	ND	7,000	U	ND	7,000	U	ND	7,000	U	ND	7,000	U	ND	7,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	7,200	U	ND	7,200	U	ND	7,200	U	ND	7,200	U	ND	7,200	U	ND	7,200	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibromochloromethane			1,1-Dichloroethane			1,2-Dichloroethane			1,1-Dichloroethene			1,2-Dichloroethene (total)			1,2-Dichloropropane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	1.90E+00	5.20E+00	J	1.90E+00	5.80E+00	J	1.30E+00	5.80E+00	J	1.30E+01	5.40E+00	
NMED Residential SSL Concentration [d]					1.21E+04			6.45E+04			7.89E+03			4.49E+05			NE			1.52E+04		
NMED Industrial SSL Concentration [d]					6.24E+04			3.59E+05			4.35E+04			2.29E+06			NE			8.44E+04		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibromochloromethane			1,1-Dichloroethane			1,2-Dichloroethane			1,1-Dichloroethene			1,2-Dichloroethene (total)			1,2-Dichloropropane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	1.90E+00	5.20E+00	J	1.90E+00	5.80E+00	J	1.30E+00	5.80E+00	J	1.30E+01	5.40E+00	
NMED Residential SSL Concentration [d]					1.21E+04			6.45E+04			7.89E+03			4.49E+05			NE			1.52E+04		
NMED Industrial SSL Concentration [d]					6.24E+04			3.59E+05			4.35E+04			2.29E+06			NE			8.44E+04		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	6.4	U	ND	6.4	U	ND	6.4	U	ND	6.4	U	ND	6.4	U	ND	6.4	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibromochloromethane			1,1-Dichloroethane			1,2-Dichloroethane			1,1-Dichloroethene			1,2-Dichloroethene (total)			1,2-Dichloropropane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	1.90E+00	5.20E+00	J	1.90E+00	5.80E+00	J	1.30E+00	5.80E+00	J	1.30E+01	5.40E+00	
NMED Residential SSL Concentration [d]					1.21E+04			6.45E+04			7.89E+03			4.49E+05			NE			1.52E+04		
NMED Industrial SSL Concentration [d]					6.24E+04			3.59E+05			4.35E+04			2.29E+06			NE			8.44E+04		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of*	*141*	*0*	*of*	*141*	*1*	*of*	*141*	*1*	*of*	*141*	*1*	*of*	*141*	*4*	*of*	*141*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	cis-1,3-Dichloropropene			trans-1,3-Dichloropropene			Ethylbenzene			2-Hexanone [e]			4-Methyl-2-pentanone (MIBK)			Methylene chloride		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	5.40E+04	7.20E+03		ND	--	--	3.30E+00	1.10E+01	J	9.10E+00	5.50E+00	
NMED Residential SSL Concentration [d]					NE			NE			6.84E+04			2.10E+05			5.82E+06			4.09E+05		
NMED Industrial SSL Concentration [d]					NE			NE			3.78E+05			1.40E+06			7.38E+07			4.70E+06		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U	3.2	5.8	J
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U	2.7	5.8	J
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U	2.5	5.8	J
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U	3.5	5.7	J
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U	2.6	5.8	J
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	6.0	U	ND	6.0	U	ND	6.0	U	ND	12	U	ND	12	U	3.1	6.0	J
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	12	U	2.8	5.9	J
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	12	U	3.4	5.9	J
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	10	U	ND	10	U	ND	5.2	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-1273-0038	38	0312160007SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-1273-0058	58	0312160009SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	9.1	5.5	
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	9.0	5.5	
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	5.1	5.5	J
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U	5.6	5.7	J
	CAN127-1274-0018	18	0312770005SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	5.1	5.5	J
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-1274-0038	38	0312770008SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	10	U	ND	10	U	6.5	5.2	
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U	1.7	5.8	J
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	ND	5.8	U	ND	5.8	U	1.3	5.8	J	ND	12	U	ND	12	U	1.8	5.8	J
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	1.9	5.6	J
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	7.2	5.5	
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	7.8	5.6	
	CAN127-1275-0058	58	0312770019SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	5.2	5.6	J
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	10	U	ND	10	U	2.1	5.2	J
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	6.8	5.4	
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	3.7	5.4	J
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	3.5	5.5	J
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	3.6	5.5	J
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	3.4	5.5	J
	CAN127-1276-0038	38	0312150013SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	2.9	5.5	J

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	cis-1,3-Dichloropropene			trans-1,3-Dichloropropene			Ethylbenzene			2-Hexanone [e]			4-Methyl-2-pentanone (MIBK)			Methylene chloride		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	5.40E+04	7.20E+03		ND	--	--	3.30E+00	1.10E+01	J	9.10E+00	5.50E+00	
NMED Residential SSL Concentration [d]					NE			NE			6.84E+04			2.10E+05			5.82E+06			4.09E+05		
NMED Industrial SSL Concentration [d]					NE			NE			3.78E+05			1.40E+06			7.38E+07			4.70E+06		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	1.1	5.5	J
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	1.4	5.4	J
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	5.3	U	ND	5.3	U	ND	5.3	UJ	ND	11	UJ	ND	11	U	2.9	5.3	J
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	2.2	5.4	J
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U
	CAN127-1277-0028	28	0311840014SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-1277-0058	58	0311840017SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	11	U	ND	11	U	3.0	5.3	J
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	3.4	5.4	J
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	1.2	5.5	J
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	J	ND	11	U	ND	11	U	4.4	5.6	J
	CAN127-1278-0018	18	0311840006SA	9/12/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U	4.1	5.7	J
	CAN127-1278-0028	28	0311840007SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	3.9	5.6	J
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	2.5	5.5	J
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	2.0	5.6	J
	CAN127-1278-0058	58	0312160011SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	7,000	U	ND	7,000	U	3,900	7,000	J	ND	14,000	U	ND	14,000	U	ND	7,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	7,200	U	ND	7,200	U	54,000	7,200		ND	14,000	U	ND	14,000	U	ND	7,200	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	12	U	ND	5.9	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U	ND	12	U	ND	5.9	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	11	U	ND	11	U	ND	5.3	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U	1.3	5.7	J
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	1.2	5.6	J
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	1.6	5.6	UJ
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	1.2	5.5	UJ
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	1.5	5.6	UJ
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	1.6	5.6	UJ
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	3.3	11	J	ND	5.7	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	cis-1,3-Dichloropropene			trans-1,3-Dichloropropene			Ethylbenzene			2-Hexanone [e]			4-Methyl-2-pentanone (MIBK)			Methylene chloride		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	5.40E+04	7.20E+03		ND	--	--	3.30E+00	1.10E+01	J	9.10E+00	5.50E+00	
NMED Residential SSL Concentration [d]					NE			NE			6.84E+04			2.10E+05			5.82E+06			4.09E+05		
NMED Industrial SSL Concentration [d]					NE			NE			3.78E+05			1.40E+06			7.38E+07			4.70E+06		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	6	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	6.1	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	ND	5.7	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	6.9	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	6	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	6.7	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	6	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	6	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	6.7	6.7	
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	6.5	U
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	7	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U	ND	6.3	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U	ND	6.3	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.7	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	12	U	ND	12	U	ND	5.6	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	4.4	5.4	
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	ND	8	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	4.2	5.4	J
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	J
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	cis-1,3-Dichloropropene			trans-1,3-Dichloropropene			Ethylbenzene			2-Hexanone [e]			4-Methyl-2-pentanone (MIBK)			Methylene chloride		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	5.40E+04	7.20E+03		ND	--	--	3.30E+00	1.10E+01	J	9.10E+00	5.50E+00	
NMED Residential SSL Concentration [d]					NE			NE			6.84E+04			2.10E+05			5.82E+06			4.09E+05		
NMED Industrial SSL Concentration [d]					NE			NE			3.78E+05			1.40E+06			7.38E+07			4.70E+06		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	11	U	ND	11	U	ND	5.3	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	4.4	5.5	J
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	4.6	5.5	J
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	6.4	U	ND	6.4	U	ND	6.4	U	ND	13	U	ND	13	U	ND	6.4	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	cis-1,3-Dichloropropene			trans-1,3-Dichloropropene			Ethylbenzene			2-Hexanone [e]			4-Methyl-2-pentanone (MIBK)			Methylene chloride		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	5.40E+04	7.20E+03		ND	--	--	3.30E+00	1.10E+01	J	9.10E+00	5.50E+00	
NMED Residential SSL Concentration [d]					NE			NE			6.84E+04			2.10E+05			5.82E+06			4.09E+05		
NMED Industrial SSL Concentration [d]					NE			NE			3.78E+05			1.40E+06			7.38E+07			4.70E+06		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of*	*141*	*0*	*of*	*141*	*4*	*of*	*141*	*0*	*of*	*141*	*1*	*of*	*141*	*47*	*of*	*141*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Styrene			1,1,2,2-Tetrachloroethane			Tetrachloroethene			Toluene			1,1,1-Trichloroethane			1,1,2-Trichloroethane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	2.90E+00	5.80E+00	J	8.20E+04	5.80E+00		1.80E+00	5.80E+00	J	ND	--	--
NMED Residential SSL Concentration [d]					7.28E+06			8.02E+03			7.02E+03			5.27E+06			1.56E+07			2.81E+03		
NMED Industrial SSL Concentration [d]					5.00E+07			4.35E+04			3.66E+04			5.77E+07			7.89E+07			1.33E+04		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	6.0	U	ND	6.0	U	ND	6.0	U	ND	6.0	U	ND	6.0	U	ND	6.0	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	5.2	U	12	5.2		ND	5.2	U	ND	5.2	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	3.5	5.6	J	ND	5.6	U	ND	5.6	U
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0038	38	0312160007SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0058	58	0312160009SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	1.2	5.4	J	ND	5.4	U	ND	5.4	U
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	2.3	5.5	J	ND	5.5	U	ND	5.5	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	2.8	5.5	J	ND	5.5	U	ND	5.5	U
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-1274-0018	18	0312770005SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-1274-0038	38	0312770008SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	2.0	5.6	J	ND	5.6	U	ND	5.6	U
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	3.3	5.5	J	ND	5.5	U	ND	5.5	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	1.6	5.4	J	ND	5.4	U	ND	5.4	U
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	5.2	U	ND	5.2	U	ND	5.2	U	5.2	5.2		ND	5.2	U	ND	5.2	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	5.4	5.7	J	ND	5.7	U	ND	5.7	U
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	5.8	U	18	5.8		ND	5.8	U	ND	5.8	U
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	ND	5.8	U	ND	5.8	U	2.9	5.8	J	6.2	5.8		1.8	5.8	J	ND	5.8	U
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	7.2	5.5		ND	5.5	U	ND	5.5	U
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	12	5.6		ND	5.6	U	ND	5.6	U
	CAN127-1275-0058	58	0312770019SA	9/14/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	5.2	U	15	5.2		ND	5.2	U	ND	5.2	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1276-0038	38	0312150013SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Styrene			1,1,2,2-Tetrachloroethane			Tetrachloroethene			Toluene			1,1,1-Trichloroethane			1,1,2-Trichloroethane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	2.90E+00	5.80E+00	J	8.20E+04	5.80E+00		1.80E+00	5.80E+00	J	ND	--	--
NMED Residential SSL Concentration [d]					7.28E+06			8.02E+03			7.02E+03			5.27E+06			1.56E+07			2.81E+03		
NMED Industrial SSL Concentration [d]					5.00E+07			4.35E+04			3.66E+04			5.77E+07			7.89E+07			1.33E+04		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	2.5	5.4	J	ND	5.4	U	ND	5.4	U
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	5.3	UJ	ND	5.3	UJ	ND	5.3	UJ	5.5	5.3	J	ND	5.3	U	ND	5.3	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	3.8	5.4	J	ND	5.4	U	ND	5.4	U
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	2.1	5.5	J	ND	5.5	U	ND	5.5	U
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-1277-0028	28	0311840014SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	1.7	5.5	J	ND	5.5	U	ND	5.5	U
	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	2.0	5.5	J	ND	5.5	U	ND	5.5	U
	CAN127-1277-0058	58	0311840017SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	2.6	5.5	J	ND	5.5	U	ND	5.5	U
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-1278-0028	28	0311840007SA	9/12/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-1278-0058	58	0312160011SA	9/13/1993	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	7,000	U	ND	7,000	U	ND	7,000	U	14,000	7,000		ND	7,000	U	ND	7,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	7,200	U	ND	7,200	U	ND	7,200	U	82,000	7,200		ND	7,200	U	ND	7,200	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	5.9	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	1.3	5.7	J	ND	5.7	U	ND	5.7	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Styrene			1,1,2,2-Tetrachloroethane			Tetrachloroethene			Toluene			1,1,1-Trichloroethane			1,1,2-Trichloroethane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	2.90E+00	5.80E+00	J	8.20E+04	5.80E+00		1.80E+00	5.80E+00	J	ND	--	--
NMED Residential SSL Concentration [d]					7.28E+06			8.02E+03			7.02E+03			5.27E+06			1.56E+07			2.81E+03		
NMED Industrial SSL Concentration [d]					5.00E+07			4.35E+04			3.66E+04			5.77E+07			7.89E+07			1.33E+04		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	1.3	5.5	J	ND	5.5	U	ND	5.5	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	1.2	5.6	J	ND	5.6	U	ND	5.6	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	1.6	5.6	J	ND	5.6	U	ND	5.6	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	9	5.7		ND	5.7	U	ND	5.7	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Styrene			1,1,2,2-Tetrachloroethane			Tetrachloroethene			Toluene			1,1,1-Trichloroethane			1,1,2-Trichloroethane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	2.90E+00	5.80E+00	J	8.20E+04	5.80E+00		1.80E+00	5.80E+00	J	ND	--	--
NMED Residential SSL Concentration [d]					7.28E+06			8.02E+03			7.02E+03			5.27E+06			1.56E+07			2.81E+03		
NMED Industrial SSL Concentration [d]					5.00E+07			4.35E+04			3.66E+04			5.77E+07			7.89E+07			1.33E+04		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	5.3	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	2.8	5.5	J	ND	5.5	U	ND	5.5	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	6.4	U	ND	6.4	U	ND	6.4	U	ND	6.4	U	ND	6.4	U	ND	6.4	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	5.6	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Styrene			1,1,2,2-Tetrachloroethane			Tetrachloroethene			Toluene			1,1,1-Trichloroethane			1,1,2-Trichloroethane		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	2.90E+00	5.80E+00	J	8.20E+04	5.80E+00		1.80E+00	5.80E+00	J	ND	--	--
NMED Residential SSL Concentration [d]					7.28E+06			8.02E+03			7.02E+03			5.27E+06			1.56E+07			2.81E+03		
NMED Industrial SSL Concentration [d]					5.00E+07			4.35E+04			3.66E+04			5.77E+07			7.89E+07			1.33E+04		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of 141*		*0*	*of 141*		*1*	*of 141*		*30*	*of 141*		*1*	*of 141*		*0*	*of 141*	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Trichloroethene			Vinyl acetate			Vinyl chloride			Xylenes (total)			Acenaphthene			Acenaphthylene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					2.30E+00	5.80E+00	J	ND	--	--	ND	--	--	2.60E+05	5.20E+00		1.50E+02	1.40E+03	J	7.80E+01	2.20E+02	J
NMED Residential SSL Concentration [d]					8.77E+03			2.56E+06			7.28E+02			8.14E+05			3.44E+06			NE		
NMED Industrial SSL Concentration [d]					4.13E+04			1.23E+07			2.61E+04			3.98E+06			3.67E+07			NE		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	ND	380	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	ND	380	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	ND	380	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	6.0	U	ND	12	U	ND	12	U	ND	6.0	U	ND	400	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	5.9	U	ND	12	U	ND	12	U	ND	5.9	U	*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	5.9	U	ND	12	U	ND	12	U	ND	5.9	U	*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	5.2	U	ND	10	U	ND	10	U	3.4	5.2	J	ND	350	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	1.5	5.5	J	ND	370	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	5.2	U	ND	10	U	ND	10	U	ND	5.2	U	150	1,400	J	ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	ND	380	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	2.3	5.8	J	ND	12	U	ND	12	U	2.4	5.8	J	*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	5.2	U	ND	10	U	ND	10	U	12	5.2		ND	340	U	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Trichloroethene			Vinyl acetate			Vinyl chloride			Xylenes (total)			Acenaphthene			Acenaphthylene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					2.30E+00	5.80E+00	J	ND	--	--	ND	--	--	2.60E+05	5.20E+00		1.50E+02	1.40E+03	J	7.80E+01	2.20E+02	J
NMED Residential SSL Concentration [d]					8.77E+03			2.56E+06			7.28E+02			8.14E+05			3.44E+06			NE		
NMED Industrial SSL Concentration [d]					4.13E+04			1.23E+07			2.61E+04			3.98E+06			3.67E+07			NE		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	5.3	U	ND	11	U	ND	11	U	5.9	5.3		ND	350	U	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	5.4	U	ND	11	U	ND	11	U	1.5	5.4	J	*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	5.3	U	ND	11	U	ND	11	U	ND	5.3	U	ND	1,400	U	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	7,000	U	ND	14,000	U	ND	14,000	U	33,000	7,000		ND	37,000	U	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	ND	380	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	ND	380	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	7,200	U	ND	14,000	U	ND	14,000	U	260,000	7,200		ND	38,000	U	ND	38,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	5.9	U	ND	12	U	ND	12	U	ND	5.9	U	ND	390	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	5.9	U	ND	12	U	ND	12	U	ND	5.9	U	ND	390	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	360	U	ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	5.3	U	ND	11	U	ND	11	U	ND	5.3	U	ND	350	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	ND	370	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	370	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	54	360	J	ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	ND	380	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	ND	370	U	ND	370	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Trichloroethene			Vinyl acetate			Vinyl chloride			Xylenes (total)			Acenaphthene			Acenaphthylene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					2.30E+00	5.80E+00	J	ND	--	--	ND	--	--	2.60E+05	5.20E+00		1.50E+02	1.40E+03	J	7.80E+01	2.20E+02	J
NMED Residential SSL Concentration [d]					8.77E+03			2.56E+06			7.28E+02			8.14E+05			3.44E+06			NE		
NMED Industrial SSL Concentration [d]					4.13E+04			1.23E+07			2.61E+04			3.98E+06			3.67E+07			NE		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	370	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	360	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	ND	380	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	360	UJ	ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	UJ	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	UJ	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	370	U	ND	370	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	380	UJ	ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	ND	380	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	360	UJ	ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	380	UJ	ND	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	ND	380	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	370	UJ	ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	380	UJ	ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	ND	380	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	370	UJ	ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	5.6	U	ND	12	U	ND	12	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	370	UJ	ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	ND	370	U	ND	370	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	370	UJ	ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	360	UJ	ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	360	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	360	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	360	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Trichloroethene			Vinyl acetate			Vinyl chloride			Xylenes (total)			Acenaphthene			Acenaphthylene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					2.30E+00	5.80E+00	J	ND	--	--	ND	--	--	2.60E+05	5.20E+00		1.50E+02	1.40E+03	J	7.80E+01	2.20E+02	J
NMED Residential SSL Concentration [d]					8.77E+03			2.56E+06			7.28E+02			8.14E+05			3.44E+06			NE		
NMED Industrial SSL Concentration [d]					4.13E+04			1.23E+07			2.61E+04			3.98E+06			3.67E+07			NE		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	360	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	360	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	350	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	5.3	U	ND	11	U	ND	11	U	ND	5.3	U	ND	350	U	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	370	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	360	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	ND	380	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	6.4	U	ND	13	U	ND	13	U	ND	6.4	U	ND	420	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	370	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	350	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	360	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U	ND	230	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U	ND	240	U
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	ND	230	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U	ND	230	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	ND	230	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	ND	230	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U	ND	230	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U	ND	230	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U	ND	240	U
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U	ND	230	U
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	25	220	J
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	36	220	J

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Trichloroethene			Vinyl acetate			Vinyl chloride			Xylenes (total)			Acenaphthene			Acenaphthylene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					2.30E+00	5.80E+00	J	ND	--	--	ND	--	--	2.60E+05	5.20E+00		1.50E+02	1.40E+03	J	7.80E+01	2.20E+02	J
NMED Residential SSL Concentration [d]					8.77E+03			2.56E+06			7.28E+02			8.14E+05			3.44E+06			NE		
NMED Industrial SSL Concentration [d]					4.13E+04			1.23E+07			2.61E+04			3.98E+06			3.67E+07			NE		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	ND	220	U
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	ND	210	U
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	ND	220	U
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	ND	220	U
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U	27	230	J
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	47	210	J
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	ND	210	U
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	78	220	J
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U	ND	220	U
Frequency of Detection					*1*	*of 141*		*0*	*of 141*		*0*	*of 141*		*8*	*of 141*		*2*	*of 127*		*5*	*of 127*	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Benzo(g,h,i)perylene			Benzo(k)fluoranthene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					1.00E+02	3.50E+02	J	**8.00E+03**	1.40E+03		**8.60E+03**	1.40E+03		**1.70E+04**	1.40E+03		5.10E+03	1.40E+03		1.60E+03	1.10E+01	
NMED Residential SSL Concentration [d]					1.72E+07			1.48E+03			1.48E+02			1.48E+03			NE			1.48E+04		
NMED Industrial SSL Concentration [d]					1.83E+08			2.34E+04			2.34E+03			2.34E+04			NE			2.34E+05		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	48	350	J	510	350		550	350		960	350		470	350		ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	83	370	J	120	370	J	270	370	J	72	370	J	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	1,400	U	**8,000**	1,400		**8,600**	1,400		**17,000**	1,400		5,100	1,400		ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	340	U	160	340	J	230	340	J	410	340		190	340	J	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Benzo(g,h,i)perylene			Benzo(k)fluoranthene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					1.00E+02	3.50E+02	J	**8.00E+03**	1.40E+03		**8.60E+03**	1.40E+03		**1.70E+04**	1.40E+03		5.10E+03	1.40E+03		1.60E+03	1.10E+01	
NMED Residential SSL Concentration [d]					1.72E+07			1.48E+03			1.48E+02			1.48E+03			NE			1.48E+04		
NMED Industrial SSL Concentration [d]					1.83E+08			2.34E+04			2.34E+03			2.34E+04			NE			2.34E+05		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	190	350	J	180	350	J	390	350		91	350	J	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	150	1,400	J	180	1,400	J	380	1,400	J	ND	1,400	U	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	68	360	J	910	360		1100	360		1,100	360	J	700	360		1600	360	
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	UJ	ND	350	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ	ND	370	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ	ND	370	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ	ND	370	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ	ND	370	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ	ND	370	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	100	360	J	1,100	360		1300	360		2,000	360	J	780	360		ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ	ND	370	U	ND	370	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Benzo(g,h,i)perylene			Benzo(k)fluoranthene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					1.00E+02	3.50E+02	J	**8.00E+03**	1.40E+03		**8.60E+03**	1.40E+03		**1.70E+04**	1.40E+03		5.10E+03	1.40E+03		1.60E+03	1.10E+01	
NMED Residential SSL Concentration [d]					1.72E+07			1.48E+03			1.48E+02			1.48E+03			NE			1.48E+04		
NMED Industrial SSL Concentration [d]					1.83E+08			2.34E+04			2.34E+03			2.34E+04			NE			2.34E+05		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	56	360	J	660	360		800	360		1,600	360		640	360		ND	360	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	95	360	J	130	360	J	310	360	J	100	360	J	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	360	UJ	89	360	J	110	360	J	230	360	J	ND	360	UJ	ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	360	UJ	91	360	J	100	360	J	250	360	J	ND	360	UJ	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	52	370	J	450	370		640	370		750	370		340	370	J	800	370	
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	96	360	J	140	360	J	150	360	J	90	360	J	170	360	J
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	37	360	J	ND	360	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Benzo(g,h,i)perylene			Benzo(k)fluoranthene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					1.00E+02	3.50E+02	J	**8.00E+03**	1.40E+03		**8.60E+03**	1.40E+03		**1.70E+04**	1.40E+03		5.10E+03	1.40E+03		1.60E+03	1.10E+01	
NMED Residential SSL Concentration [d]					1.72E+07			1.48E+03			1.48E+02			1.48E+03			NE			1.48E+04		
NMED Industrial SSL Concentration [d]					1.83E+08			2.34E+04			2.34E+03			2.34E+04			NE			2.34E+05		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	44	370	J	370	370		580	370		640	370		340	370	J	720	370	
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	260	360	J	400	360		420	360		270	360	J	470	360	
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	350	U	ND	350	U	43	350	J	74	350	J	ND	350	U	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	84	370	J	110	370	J	100	370	J	88	370	J	190	370	J
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	ND	12	U	2.0	12	J	3.7	12	J	ND	23	U	2.5	23	J	2.3	12	J
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	ND	12	U	7.0	12	J	25	12		42	24		65	24		18	12	
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	ND	11	U	2.4	11	J	7.3	11	J	ND	23	U	9.0	23	J	4.1	11	J
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	ND	12	U	ND	12	U	ND	12	U	ND	23	U	ND	23	U	ND	12	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	ND	11	U	ND	11	U	ND	11	U	ND	23	U	ND	23	U	ND	11	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	ND	11	U	6.3	11	J	5.0	11	J	ND	23	U	3.4	23	J	3.3	11	J
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	ND	12	U	ND	12	U	ND	12	U	ND	23	U	ND	23	U	ND	12	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	ND	12	U	ND	12	U	ND	12	U	ND	23	U	ND	23	U	ND	12	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	ND	12	U	6.3	12	J	6.7	12	J	8.6	24	J	5.0	24	J	3.4	12	J
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	ND	12	U	9.5	12	J	9.5	12	J	13	23	J	7.5	23	J	5	12	J
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	ND	11	U	53	11		68	11		84	22		83	22		33	11	
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	ND	11	U	2.6	11	J	3.6	11	J	ND	22	U	4.0	22	J	2.2	11	J

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)fluoranthene			Benzo(g,h,i)perylene			Benzo(k)fluoranthene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					1.00E+02	3.50E+02	J	**8.00E+03**	1.40E+03		**8.60E+03**	1.40E+03		**1.70E+04**	1.40E+03		5.10E+03	1.40E+03		1.60E+03	1.10E+01	
NMED Residential SSL Concentration [d]					1.72E+07			1.48E+03			1.48E+02			1.48E+03			NE			1.48E+04		
NMED Industrial SSL Concentration [d]					1.83E+08			2.34E+04			2.34E+03			2.34E+04			NE			2.34E+05		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	ND	11	U	82	11		130	11		170	22		170	22		78	11	
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	ND	11	U	110	11		140	11		170	21		170	21		65	11	
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	ND	11	U	120	11		190	11		230	22		230	22		88	11	
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	ND	11	U	5.8	11	J	9.1	11	J	11	22	J	ND	22	U	4.5	11	J
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	ND	12	U	29	12		44	12		56	23		59	23		31	12	
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	ND	11	U	40	11		67	11		81	21		81	21		31	11	
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	ND	11	U	28	11		51	11		63	21		66	21		39	11	
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	3.6	11	J	61	11		110	11		140	22		160	22		47	11	
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	ND	11	U	ND	11	U	2.6	11	J	ND	22	U	ND	22	U	2	11	J
Frequency of Detection					*7*	*of*	*127*	*33*	*of*	*127*	*35*	*of*	*127*	*31*	*of*	*127*	*29*	*of*	*127*	*23*	*of*	*127*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzoic acid [e]			Benzyl alcohol [e]			bis(2-Chloroethoxy) methane [e]			bis(2-Chloroethyl) ether			bis(2-Chloroisopropyl) ether			bis(2-Ethylhexyl) phthalate		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					4.80E+01	1.80E+03	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.30E+04	1.40E+03	
NMED Residential SSL Concentration [d]					2.40E+05			6.10E+06			1.80E+05			2.68E+03			9.15E+04			3.47E+05		
NMED Industrial SSL Concentration [d]					2.50E+06			6.20E+07			1.80E+06			1.42E+04			4.54E+05			1.37E+06		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	*not sampled*			ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	*not sampled*			ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	*not sampled*			ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	*not sampled*			ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	*not sampled*			ND	350	U	ND	350	U	ND	350	U	ND	350	U	80	350	J
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	*not sampled*			ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	*not sampled*			ND	370	U	ND	370	U	ND	370	U	ND	370	U	40	370	UJ
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	*not sampled*			ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	*not sampled*			ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	140	1,400	UJ
	CAN127-1275-0002	2	0312770012SA	9/14/1993	*not sampled*			ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	*not sampled*			ND	340	U	ND	340	U	ND	340	U	ND	340	U	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	*not sampled*			ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzoic acid [e]			Benzyl alcohol [e]			bis(2-Chloroethoxy) methane [e]			bis(2-Chloroethyl) ether			bis(2-Chloroisopropyl) ether			bis(2-Ethylhexyl) phthalate		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					4.80E+01	1.80E+03	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.30E+04	1.40E+03	
NMED Residential SSL Concentration [d]					2.40E+05			6.10E+06			1.80E+05			2.68E+03			9.15E+04			3.47E+05		
NMED Industrial SSL Concentration [d]					2.50E+06			6.20E+07			1.80E+06			1.42E+04			4.54E+05			1.37E+06		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	*not sampled*			ND	350	U	ND	350	U	ND	350	U	ND	350	U	37	350	J
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	*not sampled*			ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	*not sampled*			ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	13000	1,400	
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	*not sampled*			ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	180,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	1800	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	1800	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	180,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	1900	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	1800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	1900	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	1700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	1700	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	1800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	1800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	1800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	1800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	1800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	1800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	1800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	1800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	1,800	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzoic acid [e]			Benzyl alcohol [e]			bis(2-Chloroethoxy) methane [e]			bis(2-Chloroethyl) ether			bis(2-Chloroisopropyl) ether			bis(2-Ethylhexyl) phthalate		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					4.80E+01	1.80E+03	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.30E+04	1.40E+03	
NMED Residential SSL Concentration [d]					2.40E+05			6.10E+06			1.80E+05			2.68E+03			9.15E+04			3.47E+05		
NMED Industrial SSL Concentration [d]					2.50E+06			6.20E+07			1.80E+06			1.42E+04			4.54E+05			1.37E+06		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	68	360	J
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	1,800	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	780	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	1,800	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	1,800	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	1,800	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	410	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	1,800	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	1,800	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	1,800	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	1,900	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	1,900	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	1,800	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	950	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	1,800	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	1,800	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	1,800	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	1,800	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	600	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	1,800	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	590	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	1,800	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	540	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	450	370	
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	300	360	J
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	290	360	J
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	290	360	J
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	310	360	J
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	550	360	
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	270	360	J

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzoic acid [e]			Benzyl alcohol [e]			bis(2-Chloroethoxy) methane [e]			bis(2-Chloroethyl) ether			bis(2-Chloroisopropyl) ether			bis(2-Ethylhexyl) phthalate		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					4.80E+01	1.80E+03	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.30E+04	1.40E+03	
NMED Residential SSL Concentration [d]					2.40E+05			6.10E+06			1.80E+05			2.68E+03			9.15E+04			3.47E+05		
NMED Industrial SSL Concentration [d]					2.50E+06			6.20E+07			1.80E+06			1.42E+04			4.54E+05			1.37E+06		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	710	360	
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	550	360	
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	830	360	
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	1,700	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	640	350	
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	350	370	J
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	48	1,800	J	ND	360	U	ND	360	U	ND	360	U	ND	360	U	44	360	J
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	1,700	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	170	370	J
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	40	370	J
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	190	360	J
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	54	360	J
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	44	360	J
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	41	370	J
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	1,800	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	4700	370	
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	2,000	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	1,700	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	90	360	J
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzoic acid [e]			Benzyl alcohol [e]			bis(2-Chloroethoxy) methane [e]			bis(2-Chloroethyl) ether			bis(2-Chloroisopropyl) ether			bis(2-Ethylhexyl) phthalate		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					4.80E+01	1.80E+03	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	1.30E+04	1.40E+03	
NMED Residential SSL Concentration [d]					2.40E+05			6.10E+06			1.80E+05			2.68E+03			9.15E+04			3.47E+05		
NMED Industrial SSL Concentration [d]					2.50E+06			6.20E+07			1.80E+06			1.42E+04			4.54E+05			1.37E+06		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*1*	*of 90*		*0*	*of 106*		*0*	*of 106*		*0*	*of 106*		*0*	*of 106*		*25*	*of 106*	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Bromophenyl phenyl ether			Butyl benzyl phthalate			Carbazole			4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [e]			4-Chloroaniline [e]			2-Chloronaphthalene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	1.10E+02	3.80E+02	J	1.50E+03	1.40E+03		ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			2.60E+05			NE			6.10E+06			2.40E+03			6.26E+06		
NMED Industrial SSL Concentration [d]					NE			9.10E+05			NE			6.20E+07			8.60E+03			9.08E+07		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	380	U	110	380	J	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	350	U	ND	350	U	46	350	J	ND	350	U	ND	350	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	1,400	U	ND	1,400	U	1500	1,400		ND	1,400	U	ND	1,400	U	ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	340	U	ND	340	U	ND	340	U	ND	340	U	ND	340	U	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Bromophenyl phenyl ether			Butyl benzyl phthalate			Carbazole			4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [e]			4-Chloroaniline [e]			2-Chloronaphthalene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	1.10E+02	3.80E+02	J	1.50E+03	1.40E+03		ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			2.60E+05			NE			6.10E+06			2.40E+03			6.26E+06		
NMED Industrial SSL Concentration [d]					NE			9.10E+05			NE			6.20E+07			8.60E+03			9.08E+07		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	ND	350	J	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	360	U	ND	360	U	170	360	J	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	360	U	ND	360	U	170	360	J	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Bromophenyl phenyl ether			Butyl benzyl phthalate			Carbazole			4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [e]			4-Chloroaniline [e]			2-Chloronaphthalene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	1.10E+02	3.80E+02	J	1.50E+03	1.40E+03		ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			2.60E+05			NE			6.10E+06			2.40E+03			6.26E+06		
NMED Industrial SSL Concentration [d]					NE			9.10E+05			NE			6.20E+07			8.60E+03			9.08E+07		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	360	U	ND	360	U	120	360	J	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	370	U	ND	370	U	100	370	J	ND	370	U	ND	370	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Bromophenyl phenyl ether			Butyl benzyl phthalate			Carbazole			4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [e]			4-Chloroaniline [e]			2-Chloronaphthalene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	1.10E+02	3.80E+02	J	1.50E+03	1.40E+03		ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			2.60E+05			NE			6.10E+06			2.40E+03			6.26E+06		
NMED Industrial SSL Concentration [d]					NE			9.10E+05			NE			6.20E+07			8.60E+03			9.08E+07		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	370	U	ND	370	U	98	370	J	ND	370	U	ND	370	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	ND	360	U	45	360	J	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Bromophenyl phenyl ether			Butyl benzyl phthalate			Carbazole			4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [e]			4-Chloroaniline [e]			2-Chloronaphthalene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	1.10E+02	3.80E+02	J	1.50E+03	1.40E+03		ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			2.60E+05			NE			6.10E+06			2.40E+03			6.26E+06		
NMED Industrial SSL Concentration [d]					NE			9.10E+05			NE			6.20E+07			8.60E+03			9.08E+07		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of*	*106*	*2*	*of*	*106*	*8*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2-Chlorophenol			4-Chlorophenyl phenyl ether			Chrysene			Di-n-butyl phthalate [e]			Di-n-octyl phthalate [e]			Dibenz(a,h)anthracene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	1.40E+04	1.40E+03		1.90E+02	3.80E+02	J	3.10E+02	3.70E+02	J	**3.10E+02**	2.20E+01	
NMED Residential SSL Concentration [d]					3.91E+05			NE			1.48E+05			6.10E+06			6.10E+05			1.48E+02		
NMED Industrial SSL Concentration [d]					5.68E+06			NE			2.34E+06			6.20E+07			6.20E+06			2.34E+03		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	130	380	J	ND	380	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	350	U	ND	350	U	720	350		ND	350	U	ND	350	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	ND	370	U	210	370	J	ND	370	U	ND	370	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	1,400	U	ND	1,400	U	14,000	1,400		ND	1,400	U	ND	1,400	U	ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	340	U	ND	340	U	300	340	J	ND	340	U	ND	340	U	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2-Chlorophenol			4-Chlorophenyl phenyl ether			Chrysene			Di-n-butyl phthalate [e]			Di-n-octyl phthalate [e]			Dibenz(a,h)anthracene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	1.40E+04	1.40E+03		1.90E+02	3.80E+02	J	3.10E+02	3.70E+02	J	**3.10E+02**	2.20E+01	
NMED Residential SSL Concentration [d]					3.91E+05			NE			1.48E+05			6.10E+06			6.10E+05			1.48E+02		
NMED Industrial SSL Concentration [d]					5.68E+06			NE			2.34E+06			6.20E+07			6.20E+06			2.34E+03		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	ND	350	U	240	350	J	ND	350	J	ND	350	U	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	ND	1,400	U	260	1,400	J	ND	1,400	U	ND	1,400	U	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	360	U	ND	360	U	1500	360		ND	360	U	ND	360	U	**280**	360	J
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	360	U	ND	360	U	1500	360		ND	360	U	ND	360	U	**310**	360	J
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2-Chlorophenol			4-Chlorophenyl phenyl ether			Chrysene			Di-n-butyl phthalate [e]			Di-n-octyl phthalate [e]			Dibenz(a,h)anthracene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	1.40E+04	1.40E+03		1.90E+02	3.80E+02	J	3.10E+02	3.70E+02	J	**3.10E+02**	2.20E+01	
NMED Residential SSL Concentration [d]					3.91E+05			NE			1.48E+05			6.10E+06			6.10E+05			1.48E+02		
NMED Industrial SSL Concentration [d]					5.68E+06			NE			2.34E+06			6.20E+07			6.20E+06			2.34E+03		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	360	U	ND	360	U	1000	360		ND	360	U	ND	360	U	120	360	J
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	ND	360	U	190	360	J	ND	360	U	ND	360	U	43	360	J
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	360	UJ	ND	360	UJ	160	360	J	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	360	UJ	ND	360	UJ	150	360	J	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	77	370	J	ND	370	U	ND	370	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	58	380	J	ND	380	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	370	U	ND	370	U	820	370		ND	370	U	ND	370	U	**150**	370	J
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	ND	360	U	170	360	J	ND	360	U	ND	360	U	43	360	J
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2-Chlorophenol			4-Chlorophenyl phenyl ether			Chrysene			Di-n-butyl phthalate [e]			Di-n-octyl phthalate [e]			Dibenz(a,h)anthracene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	1.40E+04	1.40E+03		1.90E+02	3.80E+02	J	3.10E+02	3.70E+02	J	**3.10E+02**	2.20E+01	
NMED Residential SSL Concentration [d]					3.91E+05			NE			1.48E+05			6.10E+06			6.10E+05			1.48E+02		
NMED Industrial SSL Concentration [d]					5.68E+06			NE			2.34E+06			6.20E+07			6.20E+06			2.34E+03		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	370	U	ND	370	U	710	370		ND	370	U	ND	370	U	140	370	J
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	ND	360	U	46	360	J	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	350	U	ND	350	U	59	350	J	ND	350	U	64	350	J	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	ND	370	U	140	370	J	190	370	J	ND	370	U	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	380	U	ND	380	U	ND	380	U	170	380	J	ND	380	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	170	360	J	ND	360	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	130	370	J	310	370	J	ND	370	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	160	360	J	ND	360	U	ND	360	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	160	360	J	ND	360	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			3.3	12	J	*not sampled*			*not sampled*			ND	23	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			29	12		*not sampled*			*not sampled*			41	24	
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			4.0	11	J	*not sampled*			*not sampled*			ND	23	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			ND	12	U	*not sampled*			*not sampled*			ND	23	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			1.7	11	J	*not sampled*			*not sampled*			ND	23	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			8.4	11	J	*not sampled*			*not sampled*			ND	23	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			ND	12	U	*not sampled*			*not sampled*			ND	23	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			ND	12	U	*not sampled*			*not sampled*			ND	23	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			8.6	12	J	*not sampled*			*not sampled*			ND	24	U
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			15	12		*not sampled*			*not sampled*			ND	23	U
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			89	11		*not sampled*			*not sampled*			45	22	
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			5.0	11	J	*not sampled*			*not sampled*			ND	22	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2-Chlorophenol			4-Chlorophenyl phenyl ether			Chrysene			Di-n-butyl phthalate [e]			Di-n-octyl phthalate [e]			Dibenz(a,h)anthracene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	1.40E+04	1.40E+03		1.90E+02	3.80E+02	J	3.10E+02	3.70E+02	J	**3.10E+02**	2.20E+01	
NMED Residential SSL Concentration [d]					3.91E+05			NE			1.48E+05			6.10E+06			6.10E+05			1.48E+02		
NMED Industrial SSL Concentration [d]					5.68E+06			NE			2.34E+06			6.20E+07			6.20E+06			2.34E+03		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			150	11		*not sampled*			*not sampled*			98	22	
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			180	11		*not sampled*			*not sampled*			94	21	
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			210	11		*not sampled*			*not sampled*			140	22	
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			10	11	J	*not sampled*			*not sampled*			ND	22	U
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			54	12		*not sampled*			*not sampled*			31	23	
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			77	11		*not sampled*			*not sampled*			47	21	
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			53	11		*not sampled*			*not sampled*			36	21	
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			110	11		*not sampled*			*not sampled*			110	22	
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			3.0	11	J	*not sampled*			*not sampled*			ND	22	U
Frequency of Detection					*0*	*of*	*106*	*0*	*of*	*106*	*36*	*of*	*127*	*10*	*of*	*106*	*2*	*of*	*106*	*16*	*of*	*127*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibenzofuran			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,4-Dichlorophenol			3,3'-Dichlorobenzidine		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			2.31E+06			NE			3.17E+04			1.83E+05			1.08E+04		
NMED Industrial SSL Concentration [d]					NE			1.40E+07			NE			1.77E+05			2.05E+06			4.26E+04		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	760	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	760	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	760	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	800	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	690	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	730	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	2,800	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	760	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	340	U	ND	340	U	ND	340	U	ND	340	U	ND	340	U	ND	690	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibenzofuran			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,4-Dichlorophenol			3,3'-Dichlorobenzidine		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			2.31E+06			NE			3.17E+04			1.83E+05			1.08E+04		
NMED Industrial SSL Concentration [d]					NE			1.40E+07			NE			1.77E+05			2.05E+06			4.26E+04		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	690	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	2,800	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	730	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	74,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	760	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	750	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	76,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	780	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	780	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	710	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	700	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	750	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	730	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	730	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	750	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	750	U

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Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibenzofuran			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,4-Dichlorophenol			3,3'-Dichlorobenzidine		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			2.31E+06			NE			3.17E+04			1.83E+05			1.08E+04		
NMED Industrial SSL Concentration [d]					NE			1.40E+07			NE			1.77E+05			2.05E+06			4.26E+04		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	730	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	730	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	750	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	760	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	730	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ	ND	370	U	ND	740	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	720	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	720	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	740	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	750	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	UJ	ND	380	U	ND	750	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	730	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	UJ	ND	360	U	ND	730	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	770	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	UJ	ND	380	U	ND	770	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	740	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ	ND	370	U	ND	740	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	760	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	UJ	ND	380	U	ND	760	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	730	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ	ND	370	U	ND	730	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	750	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ	ND	370	U	ND	750	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	730	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ	ND	370	U	ND	730	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	730	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	710	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
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Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibenzofuran			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,4-Dichlorophenol			3,3'-Dichlorobenzidine		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			2.31E+06			NE			3.17E+04			1.83E+05			1.08E+04		
NMED Industrial SSL Concentration [d]					NE			1.40E+07			NE			1.77E+05			2.05E+06			4.26E+04		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	710	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	700	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	730	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	730	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	710	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	760	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	740	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	840	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	730	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	710	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	720	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	730	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
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Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibenzofuran			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,4-Dichlorophenol			3,3'-Dichlorobenzidine		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			2.31E+06			NE			3.17E+04			1.83E+05			1.08E+04		
NMED Industrial SSL Concentration [d]					NE			1.40E+07			NE			1.77E+05			2.05E+06			4.26E+04		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*

Table 6
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Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Diethyl phthalate			2,4-Dimethylphenol			Dimethyl phthalate			4,6-Dinitro-2-methylphenol			2,4-Dinitrophenol			2,4-Dinitrotoluene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					4.60E+01	3.60E+02	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.89E+07			1.22E+06			6.11E+08			4.89E+03			1.22E+05			1.57E+04		
NMED Industrial SSL Concentration [d]					5.47E+08			1.37E+07			6.84E+09			5.47E+04			1.37E+06			6.18E+04		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U	ND	1,800	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U	ND	1,800	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	1,900	U	ND	1,900	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	400	U	ND	400	U	ND	400	U	ND	1,900	U	ND	1,900	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U	ND	1,700	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	6,700	U	ND	6,700	U	ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U	ND	1,800	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	340	U	ND	340	U	ND	340	U	ND	1,700	U	ND	1,700	U	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Diethyl phthalate			2,4-Dimethylphenol			Dimethyl phthalate			4,6-Dinitro-2-methylphenol			2,4-Dinitrophenol			2,4-Dinitrotoluene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					4.60E+01	3.60E+02	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.89E+07			1.22E+06			6.11E+08			4.89E+03			1.22E+05			1.57E+04		
NMED Industrial SSL Concentration [d]					5.47E+08			1.37E+07			6.84E+09			5.47E+04			1.37E+06			6.18E+04		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U	ND	1,700	U	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	6,800	U	ND	6,800	U	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	180,000	U	ND	180,000	U	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U	ND	1,800	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U	ND	1,800	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	180,000	U	ND	180,000	U	ND	38,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	1,900	U	ND	1,900	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	1,900	U	ND	1,900	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U	ND	1,700	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U	ND	1,800	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Diethyl phthalate			2,4-Dimethylphenol			Dimethyl phthalate			4,6-Dinitro-2-methylphenol			2,4-Dinitrophenol			2,4-Dinitrotoluene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					4.60E+01	3.60E+02	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.89E+07			1.22E+06			6.11E+08			4.89E+03			1.22E+05			1.57E+04		
NMED Industrial SSL Concentration [d]					5.47E+08			1.37E+07			6.84E+09			5.47E+04			1.37E+06			6.18E+04		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U	ND	1,800	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	370	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U	ND	1,800	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	1,900	UJ	ND	1,900	UJ	ND	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	1,900	U	ND	1,900	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U	ND	1,800	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Diethyl phthalate			2,4-Dimethylphenol			Dimethyl phthalate			4,6-Dinitro-2-methylphenol			2,4-Dinitrophenol			2,4-Dinitrotoluene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					4.60E+01	3.60E+02	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.89E+07			1.22E+06			6.11E+08			4.89E+03			1.22E+05			1.57E+04		
NMED Industrial SSL Concentration [d]					5.47E+08			1.37E+07			6.84E+09			5.47E+04			1.37E+06			6.18E+04		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U	ND	1,700	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U	ND	1,700	U	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U	ND	1,800	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	420	U	ND	420	U	ND	420	U	ND	2,000	U	ND	2,000	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U	ND	1,800	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U	ND	1,700	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	46	360	J	ND	360	U	ND	360	U	ND	1,700	U	ND	1,700	U	ND	360	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U	ND	1,800	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Diethyl phthalate			2,4-Dimethylphenol			Dimethyl phthalate			4,6-Dinitro-2-methylphenol			2,4-Dinitrophenol			2,4-Dinitrotoluene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					4.60E+01	3.60E+02	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.89E+07			1.22E+06			6.11E+08			4.89E+03			1.22E+05			1.57E+04		
NMED Industrial SSL Concentration [d]					5.47E+08			1.37E+07			6.84E+09			5.47E+04			1.37E+06			6.18E+04		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*1*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2,6-Dinitrotoluene			Fluoranthene			Fluorene			Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	1.70E+04	1.40E+03		2.90E+02	1.40E+03	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					6.11E+04			2.29E+06			2.29E+06			3.04E+03			6.11E+04			3.67E+05		
NMED Industrial SSL Concentration [d]					6.84E+05			2.44E+07			2.44E+07			1.20E+04			2.46E+05			4.10E+06		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	350	U	1500	350		ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	300	370	J	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	1,400	U	17,000	1,400		290	1,400	J	ND	1,400	U	ND	1,400	U	ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	340	U	570	340		ND	340	U	ND	340	U	ND	340	U	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2,6-Dinitrotoluene			Fluoranthene			Fluorene			Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	1.70E+04	1.40E+03		2.90E+02	1.40E+03	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					6.11E+04			2.29E+06			2.29E+06			3.04E+03			6.11E+04			3.67E+05		
NMED Industrial SSL Concentration [d]					6.84E+05			2.44E+07			2.44E+07			1.20E+04			2.46E+05			4.10E+06		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	470	350		ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	440	1,400	J	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	360	U	2,800	360		ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	360	U	3,000	360		44	360	J	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2,6-Dinitrotoluene			Fluoranthene			Fluorene			Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	1.70E+04	1.40E+03		2.90E+02	1.40E+03	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					6.11E+04			2.29E+06			2.29E+06			3.04E+03			6.11E+04			3.67E+05		
NMED Industrial SSL Concentration [d]					6.84E+05			2.44E+07			2.44E+07			1.20E+04			2.46E+05			4.10E+06		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	360	U	1800	360		ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	310	360	J	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	360	UJ	310	360	J	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	360	UJ	310	360	J	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	370	U	1,400	370		ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	330	360	J	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	360	U	50	360	J	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2,6-Dinitrotoluene			Fluoranthene			Fluorene			Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	1.70E+04	1.40E+03		2.90E+02	1.40E+03	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					6.11E+04			2.29E+06			2.29E+06			3.04E+03			6.11E+04			3.67E+05		
NMED Industrial SSL Concentration [d]					6.84E+05			2.44E+07			2.44E+07			1.20E+04			2.46E+05			4.10E+06		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	370	U	1,200	370		ND	370	U	ND	370	U	ND	370	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	860	360		ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	350	U	110	350	J	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	270	370	J	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			ND	23	U	ND	23	U	*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			58	24		ND	24	U	*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			ND	23	U	ND	23	U	*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			ND	23	U	ND	23	U	*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			ND	23	U	ND	23	U	*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			33	23		ND	23	U	*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			ND	23	U	ND	23	U	*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			ND	23	U	ND	23	U	*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			32	24		ND	24	U	*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			42	23		ND	23	U	*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			250	22		ND	22	U	*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			14	22	J	ND	22	U	*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2,6-Dinitrotoluene			Fluoranthene			Fluorene			Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	1.70E+04	1.40E+03		2.90E+02	1.40E+03	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					6.11E+04			2.29E+06			2.29E+06			3.04E+03			6.11E+04			3.67E+05		
NMED Industrial SSL Concentration [d]					6.84E+05			2.44E+07			2.44E+07			1.20E+04			2.46E+05			4.10E+06		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			470	22		ND	22	U	*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			510	21		ND	21	U	*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			650	22E		ND	22	U	*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			30	22		ND	22	U	*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			160	23		ND	23	U	*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			200	21		ND	21	U	*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			170	21		ND	21	U	*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			ND	22	U	ND	22	U	*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			ND	22	U	ND	22	U	*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of*	*106*	*32*	*of*	*127*	*2*	*of*	*127*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Hexachloroethane			Indeno(1,2,3-cd)pyrene			Isophorone			2-Methylnaphthalene [e]			2-Methylphenol (o-cresol) [e]			3/4-Methylphenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	**5.10E+03**	1.40E+03		ND	--	--	4.00E+04	3.50E+02	J	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.28E+04			1.48E+03			5.12E+06			2.30E+05			3.10E+06			NE		
NMED Industrial SSL Concentration [d]					4.79E+05			2.34E+04			1.37E+08			2.20E+06			3.10E+07			NE		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	350	U	390	350		ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	68	370	J	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	1,400	U	**5,100**	1,400		ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	340	U	160	340	J	ND	340	U	ND	340	U	ND	340	U	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Hexachloroethane			Indeno(1,2,3-cd)pyrene			Isophorone			2-Methylnaphthalene [e]			2-Methylphenol (o-cresol) [e]			3/4-Methylphenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	**5.10E+03**	1.40E+03		ND	--	--	4.00E+04	3.50E+02	J	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.28E+04			1.48E+03			5.12E+06			2.30E+05			3.10E+06			NE		
NMED Industrial SSL Concentration [d]					4.79E+05			2.34E+04			1.37E+08			2.20E+06			3.10E+07			NE		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	93	350	J	ND	350	U	250	350	J	ND	350	U	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	37,000	U	ND	37,000	U	ND	37,000	U	4,900	37,000	J	ND	37,000	U	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	38,000	U	ND	38,000	U	ND	38,000	U	40,000	38,000		ND	38,000	U	ND	38,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	360	U	700	360		ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	360	U	800	360		ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Hexachloroethane			Indeno(1,2,3-cd)pyrene			Isophorone			2-Methylnaphthalene [e]			2-Methylphenol (o-cresol) [e]			3/4-Methylphenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	**5.10E+03**	1.40E+03		ND	--	--	4.00E+04	3.50E+02	J	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.28E+04			1.48E+03			5.12E+06			2.30E+05			3.10E+06			NE		
NMED Industrial SSL Concentration [d]					4.79E+05			2.34E+04			1.37E+08			2.20E+06			3.10E+07			NE		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	360	U	570	360		ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	88	360	J	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	370	U	360	370	J	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	94	360	J	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Hexachloroethane			Indeno(1,2,3-cd)pyrene			Isophorone			2-Methylnaphthalene [e]			2-Methylphenol (o-cresol) [e]			3/4-Methylphenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	**5.10E+03**	1.40E+03		ND	--	--	4.00E+04	3.50E+02	J	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.28E+04			1.48E+03			5.12E+06			2.30E+05			3.10E+06			NE		
NMED Industrial SSL Concentration [d]					4.79E+05			2.34E+04			1.37E+08			2.20E+06			3.10E+07			NE		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	370	U	340	370	J	ND	370	U	ND	370	U	ND	370	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	260	360	J	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	83	370	J	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			3.1	12	J	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			62	12		*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			9.9	11	J	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			ND	12	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			ND	11	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			4.2	11	J	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			ND	12	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			ND	12	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			6.2	12	J	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			12	12		*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			78	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			4.3	11	J	*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Hexachloroethane			Indeno(1,2,3-cd)pyrene			Isophorone			2-Methylnaphthalene [e]			2-Methylphenol (o-cresol) [e]			3/4-Methylphenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	**5.10E+03**	1.40E+03		ND	--	--	4.00E+04	3.50E+02	J	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.28E+04			1.48E+03			5.12E+06			2.30E+05			3.10E+06			NE		
NMED Industrial SSL Concentration [d]					4.79E+05			2.34E+04			1.37E+08			2.20E+06			3.10E+07			NE		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			160	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			160	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			220	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			11	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			52	12		*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			79	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			60	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			160	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			7	11	J	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of*	*106*	*31*	*of*	*127*	*0*	*of*	*106*	*3*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Naphthalene			2-Nitroaniline [e]			3-Nitroaniline			4-Nitroaniline [e]			Nitrobenzene			2-Nitrophenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					2.10E+04	3.80E+04	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.30E+04			6.10E+05			NE			2.40E+04			5.35E+04			NE		
NMED Industrial SSL Concentration [d]					2.41E+05			6.00E+06			NE			8.60E+05			3.00E+05			NE		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	380	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	380	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	380	U	ND	1,900	U	ND	1,900	U	ND	1,900	U	ND	380	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	400	U	ND	1,900	U	ND	1,900	U	ND	1,900	U	ND	400	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	350	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	350	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	1,400	U	ND	6,700	U	ND	6,700	U	ND	6,700	U	ND	1,400	U	ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	380	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	340	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	340	U	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Naphthalene			2-Nitroaniline [e]			3-Nitroaniline			4-Nitroaniline [e]			Nitrobenzene			2-Nitrophenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					2.10E+04	3.80E+04	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.30E+04			6.10E+05			NE			2.40E+04			5.35E+04			NE		
NMED Industrial SSL Concentration [d]					2.41E+05			6.00E+06			NE			8.60E+05			3.00E+05			NE		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	350	U	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	ND	6,800	U	ND	6,800	U	ND	6,800	U	ND	1,400	U	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	37,000	U	ND	180,000	U	*ND*	180,000	U	ND	180,000	U	ND	37,000	U	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	380	U	ND	1,800	U	*ND*	1,800	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	380	U	ND	1,800	U	*ND*	1,800	U	ND	1,800	U	ND	380	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	21,000	38,000	J	ND	180,000	U	ND	180,000	U	ND	180,000	U	ND	38,000	U	ND	38,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	390	U	ND	1,900	U	ND	1,900	U	ND	1,900	U	ND	390	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	390	U	ND	1,900	U	ND	1,900	U	ND	1,900	U	ND	390	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	350	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	350	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	380	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Naphthalene			2-Nitroaniline [e]			3-Nitroaniline			4-Nitroaniline [e]			Nitrobenzene			2-Nitrophenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					2.10E+04	3.80E+04	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.30E+04			6.10E+05			NE			2.40E+04			5.35E+04			NE		
NMED Industrial SSL Concentration [d]					2.41E+05			6.00E+06			NE			8.60E+05			3.00E+05			NE		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	380	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	360	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	360	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	370	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	380	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	380	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	360	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	380	UJ	ND	1,900	UJ	ND	1,900	UJ	ND	1,900	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	380	U	ND	1,900	U	ND	1,900	U	ND	1,900	U	ND	380	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	370	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	380	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	380	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	370	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	370	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	370	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	360	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	1,800	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Naphthalene			2-Nitroaniline [e]			3-Nitroaniline			4-Nitroaniline [e]			Nitrobenzene			2-Nitrophenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					2.10E+04	3.80E+04	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.30E+04			6.10E+05			NE			2.40E+04			5.35E+04			NE		
NMED Industrial SSL Concentration [d]					2.41E+05			6.00E+06			NE			8.60E+05			3.00E+05			NE		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	350	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	350	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	350	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	350	U	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	380	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	420	U	ND	2,000	U	ND	2,000	U	ND	2,000	U	ND	420	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	370	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	350	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	350	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	360	U	ND	1,700	U	ND	1,700	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	360	U	ND	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	ND	120	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	ND	120	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	ND	120	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	ND	120	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	ND	120	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	ND	120	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	ND	120	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Naphthalene			2-Nitroaniline [e]			3-Nitroaniline			4-Nitroaniline [e]			Nitrobenzene			2-Nitrophenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					2.10E+04	3.80E+04	J	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.30E+04			6.10E+05			NE			2.40E+04			5.35E+04			NE		
NMED Industrial SSL Concentration [d]					2.41E+05			6.00E+06			NE			8.60E+05			3.00E+05			NE		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	ND	120	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	ND	110	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*1*	*of 127*		*0*	*of 106*		*0*	*of 106*		*0*	*of 106*		*0*	*of 106*		*0*	*of 106*	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Nitrophenol			N-Nitroso-di-n-propylamine [e]			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene			Phenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	8.10E+03	1.40E+03		ND	--	--
NMED Residential SSL Concentration [d]					NE			6.90E+01			9.93E+05			8.94E+03			1.83E+06			1.83E+07		
NMED Industrial SSL Concentration [d]					NE			2.50E+02			3.91E+06			3.00E+04			2.05E+07			2.05E+08		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	1,800	U	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	1,800	U	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	1,900	U	ND	380	U	ND	380	U	ND	1,900	U	ND	380	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	1,900	U	ND	400	U	ND	400	U	ND	1,900	U	ND	400	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	1,700	U	ND	350	U	ND	350	U	ND	1,700	U	570	350		ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	120	370	J	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	6,700	U	ND	1,400	U	ND	1,400	U	ND	6,700	U	8100	1,400		ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	1,800	U	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	1,700	U	ND	340	U	ND	340	U	ND	1,700	U	210	340	J	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Nitrophenol			N-Nitroso-di-n-propylamine [e]			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene			Phenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	8.10E+03	1.40E+03		ND	--	--
NMED Residential SSL Concentration [d]					NE			6.90E+01			9.93E+05			8.94E+03			1.83E+06			1.83E+07		
NMED Industrial SSL Concentration [d]					NE			2.50E+02			3.91E+06			3.00E+04			2.05E+07			2.05E+08		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	1,700	U	ND	350	U	ND	350	U	ND	1,700	U	190	350	J	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	6,800	U	ND	1,400	U	ND	1,400	U	ND	6,800	U	190	1,400	J	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	*ND*	180,000	U	ND	37,000	U	ND	37,000	U	ND	180,000	U	ND	37,000	U	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	*ND*	1,800	U	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	*ND*	1,800	U	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	180,000	U	ND	38,000	U	ND	38,000	U	ND	180,000	U	ND	38,000	U	ND	38,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	1,900	U	ND	390	U	ND	390	U	ND	1,900	U	ND	390	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	1,900	U	ND	390	U	ND	390	U	ND	1,900	U	ND	390	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	1100	360		ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	1,700	U	ND	350	U	ND	350	U	ND	1,700	U	ND	350	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	1200	360		ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	1,800	U	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Nitrophenol			N-Nitroso-di-n-propylamine [e]			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene			Phenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	8.10E+03	1.40E+03		ND	--	--
NMED Residential SSL Concentration [d]					NE			6.90E+01			9.93E+05			8.94E+03			1.83E+06			1.83E+07		
NMED Industrial SSL Concentration [d]					NE			2.50E+02			3.91E+06			3.00E+04			2.05E+07			2.05E+08		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	880	360		ND	360	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	1,800	U	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	110	360	J	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	1,800	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ	100	360	J	ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	1,800	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ	100	360	J	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	1,800	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	1,800	UJ	ND	380	UJ	ND	380	UJ	ND	1,800	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	1,800	U	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	1,800	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	1,900	UJ	ND	380	UJ	ND	380	UJ	ND	1,900	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	1,900	U	ND	380	U	ND	380	U	ND	1,900	U	ND	380	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	1,800	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	1,800	UJ	ND	380	UJ	ND	380	UJ	ND	1,800	UJ	ND	380	UJ	ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	1,800	U	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	1,800	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	1,800	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	1,800	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	370	UJ	ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	1,800	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ	ND	360	UJ	ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	570	370		ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	160	360	J	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Nitrophenol			N-Nitroso-di-n-propylamine [e]			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene			Phenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	8.10E+03	1.40E+03		ND	--	--
NMED Residential SSL Concentration [d]					NE			6.90E+01			9.93E+05			8.94E+03			1.83E+06			1.83E+07		
NMED Industrial SSL Concentration [d]					NE			2.50E+02			3.91E+06			3.00E+04			2.05E+07			2.05E+08		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	1,700	U	ND	350	U	ND	350	U	ND	1,700	U	ND	350	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	530	370		ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	380	360		ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	1,700	U	ND	350	U	ND	350	U	ND	1,700	U	53	350	J	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	120	370	J	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	1,800	U	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	2,000	U	ND	420	U	ND	420	U	ND	2,000	U	ND	420	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	1,800	U	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	1,700	U	ND	350	U	ND	350	U	ND	1,700	U	ND	350	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	1,700	U	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	1,800	U	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U	*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			9.6	12	J	*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U	*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U	*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U	*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			16	11		*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U	*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			2.9	12	J	*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			8.8	12	J	*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			8.9	12	J	*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			52	11		*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U	*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Nitrophenol			N-Nitroso-di-n-propylamine [e]			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene			Phenol		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	8.10E+03	1.40E+03		ND	--	--
NMED Residential SSL Concentration [d]					NE			6.90E+01			9.93E+05			8.94E+03			1.83E+06			1.83E+07		
NMED Industrial SSL Concentration [d]					NE			2.50E+02			3.91E+06			3.00E+04			2.05E+07			2.05E+08		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			91	11		*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			120	11		*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			120	11		*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			9.2	11	J	*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			40	12		*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			62	11		*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			39	11		*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U	*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U	*not sampled*		
Frequency of Detection					*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*31*	*of*	*127*	*0*	*of*	*106*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Pyrene			1,2,4-Trichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			Total Petroleum Hydrocarbons (TPH) [f]			TPH-Diesel Range Organics [f]		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.70E+04	1.40E+03		ND	--	--	ND	--	--	ND	--	--	**1.16E+04**	8.39E+01		2.60E+01	1.20E+01	
NMED Residential SSL Concentration [d]					1.72E+06			7.30E+04			6.11E+06			6.11E+04			1.00E+03			1.00E+03		
NMED Industrial SSL Concentration [d]					1.83E+07			3.67E+05			6.84E+07			6.84E+05			1.00E+03			1.00E+03		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	46.1	U	*not sampled*		
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	46.1	U	*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	46.6	46.2		*not sampled*		
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			48.6	45.7		*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	380	U	ND	380	U	ND	1,900	U	ND	380	U	93.2	46.3		*not sampled*		
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	400	U	ND	400	U	ND	1,900	U	ND	400	U	48.7	48.4		*not sampled*		
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			50.1	47.1		*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	47.5	U	*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	1400	350		ND	350	U	ND	1,700	U	ND	350	U	66.8	41.9		*not sampled*		
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.6	U	*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.7	U	*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	43.9	U	*not sampled*		
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.8	U	*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.2	U	*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.2	U	*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.9	U	*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	42.8	U	*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	230	370	J	ND	370	U	ND	1,800	U	ND	370	U	253	44.3		*not sampled*		
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44	U	*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.1	U	*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	45.3	U	*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44	U	*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.7	U	*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.9	U	*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	43.9	U	*not sampled*		
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.1	U	*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	17,000	1,400		ND	1,400	U	ND	6,700	U	ND	1,400	U	344	83.9		*not sampled*		
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	46.1	U	*not sampled*		
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	45.8	U	*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	46.6	U	*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	46.1	U	*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.9	U	*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.3	U	*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.5	U	*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.7	U	*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	550	340		ND	340	U	ND	1,700	U	ND	340	U	80.5	41.6		*not sampled*		
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.2	U	*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.3	U	*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.1	U	*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	43.9	U	*not sampled*		
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.7	U	*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.1	U	*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Pyrene			1,2,4-Trichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			Total Petroleum Hydrocarbons (TPH) [f]			TPH-Diesel Range Organics [f]		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.70E+04	1.40E+03		ND	--	--	ND	--	--	ND	--	--	**1.16E+04**	8.39E+01		2.60E+01	1.20E+01	
NMED Residential SSL Concentration [d]					1.72E+06			7.30E+04			6.11E+06			6.11E+04			1.00E+03			1.00E+03		
NMED Industrial SSL Concentration [d]					1.83E+07			3.67E+05			6.84E+07			6.84E+05			1.00E+03			1.00E+03		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.9	U	*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.2	U	*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	440	350		ND	350	U	ND	1,700	U	ND	350	U	44.1	42.1		*not sampled*		
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.1	U	*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.6	U	*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	44.2	U	*not sampled*		
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	45.4	U	*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.6	U	*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.1	U	*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.0	U	*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.2	U	*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	360	1,400	J	ND	1,400	U	ND	6,800	U	ND	1,400	U	ND	42.2	U	*not sampled*		
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.6	U	*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	43.6	U	*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	170	44.4		*not sampled*		
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			55.9	45.7		*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.9	U	*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.2	U	*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	44.4	U	*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	45.1	U	*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	37,000	U	ND	37,000	U	*ND*	180,000	U	ND	37,000	U	ND	44.8	U	*not sampled*		
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	380	U	ND	380	U	*ND*	1,800	U	ND	380	U	ND	46.2	U	*not sampled*		
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	380	U	ND	380	U	*ND*	1,800	U	ND	380	U	ND	45.5	U	*not sampled*		
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	38,000	U	ND	38,000	U	ND	180,000	U	ND	38,000	U	**11,600**	1,150		*not sampled*		
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	390	U	ND	390	U	ND	1,900	U	ND	390	U	ND	47	U	*not sampled*		
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	44	U	*not sampled*		
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	390	U	ND	390	U	ND	1,900	U	ND	390	U	ND	47.1	U	*not sampled*		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	2,300	360		ND	360	U	ND	1,700	U	ND	360	U	130	43.3		*not sampled*		
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	350	U	ND	350	U	ND	1,700	U	ND	350	U	ND	42.2	U	*not sampled*		
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	45.3	U	*not sampled*		
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.3	U	*not sampled*		
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.7	U	*not sampled*		
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.6	U	*not sampled*		
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	45.1	U	*not sampled*		
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.7	UJ	*not sampled*		
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	43.8	UJ	*not sampled*		
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.6	UJ	*not sampled*		
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.4	UJ	*not sampled*		
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	2,200	360		ND	360	U	ND	1,700	U	ND	360	U	128	43.4		*not sampled*		
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	45.7	U	*not sampled*		
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	45.4	U	*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Pyrene			1,2,4-Trichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			Total Petroleum Hydrocarbons (TPH) [f]			TPH-Diesel Range Organics [f]		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.70E+04	1.40E+03		ND	--	--	ND	--	--	ND	--	--	**1.16E+04**	8.39E+01		2.60E+01	1.20E+01	
NMED Residential SSL Concentration [d]					1.72E+06			7.30E+04			6.11E+06			6.11E+04			1.00E+03			1.00E+03		
NMED Industrial SSL Concentration [d]					1.83E+07			3.67E+05			6.84E+07			6.84E+05			1.00E+03			1.00E+03		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	1900	360		ND	360	U	ND	1,800	U	ND	360	U	168	43.9		*not sampled*		
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.3	U	*not sampled*		
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	43.4	U	*not sampled*		
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	48	44.1		*not sampled*		
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	293	45.1		*not sampled*		
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.5	U	*not sampled*		
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	45.2	U	*not sampled*		
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	46	U	*not sampled*		
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	67.4	44.4		*not sampled*		
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	45.1	U	*not sampled*		
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.6	U	*not sampled*		
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	260	360	J	ND	360	UJ	ND	1,800	U	ND	360	U	66.5	43.9		*not sampled*		
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	260	360	J	ND	360	UJ	ND	1,800	UJ	ND	360	UJ	*not sampled*			*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	250	360	J	ND	360	UJ	ND	1,800	UJ	ND	360	UJ	52.3	43.8		*not sampled*		
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.8	U	*not sampled*		
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	370	UJ	*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	1,800	UJ	ND	380	UJ	*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	45.6	U	*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	1,800	UJ	ND	360	UJ	*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	360	U	ND	360	UJ	ND	1,800	U	ND	360	U	ND	44.2	U	*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	1,900	UJ	ND	380	UJ	*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	380	U	ND	380	UJ	ND	1,900	U	ND	380	U	ND	46.5	U	*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	370	UJ	*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	370	U	ND	370	UJ	ND	1,800	U	ND	370	U	47.1	44.8		*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	380	UJ	ND	380	UJ	ND	1,800	UJ	ND	380	UJ	*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	380	U	ND	380	UJ	ND	1,800	U	ND	380	U	ND	45.9	U	*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	370	UJ	*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	370	U	ND	370	UJ	ND	1,800	U	ND	370	U	ND	44.5	U	*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	370	UJ	*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	370	U	ND	370	UJ	ND	1,800	U	ND	370	U	47.9	45.3		*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	1,800	UJ	ND	370	UJ	*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	370	U	ND	370	UJ	ND	1,800	U	ND	370	U	ND	44.4	U	*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	360	UJ	ND	360	UJ	ND	1,800	UJ	ND	360	UJ	*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	360	U	ND	360	UJ	ND	1,800	U	ND	360	U	ND	44.1	U	*not sampled*		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	1,300	370		ND	370	U	ND	1,800	U	ND	370	U	ND	44.8	U	*not sampled*		
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	290	360	J	ND	360	U	ND	1,700	U	ND	360	U	69.4	43.4		*not sampled*		
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	41	360	J	ND	360	U	ND	1,700	U	ND	360	U	ND	43.6	U	*not sampled*		
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	43.2	U	*not sampled*		
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	44.2	U	*not sampled*		
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	44.2	U	*not sampled*		
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	44.2	U	*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Pyrene			1,2,4-Trichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			Total Petroleum Hydrocarbons (TPH) [f]			TPH-Diesel Range Organics [f]		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.70E+04	1.40E+03		ND	--	--	ND	--	--	ND	--	--	**1.16E+04**	8.39E+01		2.60E+01	1.20E+01	
NMED Residential SSL Concentration [d]					1.72E+06			7.30E+04			6.11E+06			6.11E+04			1.00E+03			1.00E+03		
NMED Industrial SSL Concentration [d]					1.83E+07			3.67E+05			6.84E+07			6.84E+05			1.00E+03			1.00E+03		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	182	44.2		*not sampled*		
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	50.9	43.6		*not sampled*		
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	83.6	43.6		*not sampled*		
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	350	U	ND	350	U	ND	1,700	U	ND	350	U	ND	43	U	*not sampled*		
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	1,000	370		ND	370	U	ND	1,800	U	ND	370	U	ND	44.9	U	*not sampled*		
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	710	360		ND	360	U	ND	1,800	U	ND	360	U	80.8	44		*not sampled*		
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	77	350	J	ND	350	U	ND	1,700	U	ND	350	U	ND	42.5	U	*not sampled*		
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	43.6	U	*not sampled*		
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	44.2	U	*not sampled*		
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.9	U	*not sampled*		
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.4	U	*not sampled*		
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.7	U	*not sampled*		
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	171	43.6		*not sampled*		
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	43.7	U	*not sampled*		
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	43.7	U	*not sampled*		
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.3	U	*not sampled*		
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	43.2	U	*not sampled*		
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	260	370	J	ND	370	U	ND	1,800	U	ND	370	U	45.7	45		*not sampled*		
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	380	U	ND	380	U	ND	1,800	U	ND	380	U	ND	46.1	U	*not sampled*		
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	43.9	U	*not sampled*		
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	44	U	*not sampled*		
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	60.7	44.9		*not sampled*		
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	420	U	ND	420	U	ND	2,000	U	ND	420	U	ND	51	U	*not sampled*		
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	ND	43.7	U	*not sampled*		
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	44.4	U	*not sampled*		
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	350	U	ND	350	U	ND	1,700	U	ND	350	U	53.9	43		*not sampled*		
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	360	U	ND	360	U	ND	1,700	U	ND	360	U	**1,700**	436		*not sampled*		
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	44.2	U	*not sampled*		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	ND	12	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	57	12		*not sampled*			*not sampled*			*not sampled*			*not sampled*			26	12	
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	5.4	11	J	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	ND	12	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	ND	11	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	25	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	ND	12	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	ND	12	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	17	12		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	32	12		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	170	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	6.8	11	J	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Pyrene			1,2,4-Trichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol			Total Petroleum Hydrocarbons (TPH) [f]			TPH-Diesel Range Organics [f]		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.70E+04	1.40E+03		ND	--	--	ND	--	--	ND	--	--	**1.16E+04**	8.39E+01		2.60E+01	1.20E+01	
NMED Residential SSL Concentration [d]					1.72E+06			7.30E+04			6.11E+06			6.11E+04			1.00E+03			1.00E+03		
NMED Industrial SSL Concentration [d]					1.83E+07			3.67E+05			6.84E+07			6.84E+05			1.00E+03			1.00E+03		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	330	11E		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	350	11E		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	450	11E		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	25	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	120	12		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	170	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	120	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	260	11		*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	ND	11	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
Frequency of Detection					*34*	*of 127*		*0*	*of 106*		*0*	*of 106*		*0*	*of 106*		*33*	*of 62*		*1*	*of 21*	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	TPH-Oil Range Organics [f]			TPH-Gasoline Range Organics [f]			Aluminum			Antimony			Arsenic			Barium		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.70E+01	2.40E+01	J	ND	--	--	1.47E+04			0.00E+00			3.00E+00			1.54E+03		
NMED Residential SSL Concentration [d]					1.00E+03			1.00E+03			7.80E+04			3.13E+01			3.90E+00			1.56E+04		
NMED Industrial SSL Concentration [d]					1.00E+03			1.00E+03			1.13E+06			4.54E+02			1.77E+01			2.23E+05		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0002	2	0313740008SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0002	2	0312770012SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	TPH-Oil Range Organics [f]			TPH-Gasoline Range Organics [f]			Aluminum			Antimony			Arsenic			Barium		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.70E+01	2.40E+01	J	ND	--	--	1.47E+04			0.00E+00			3.00E+00			1.54E+03		
NMED Residential SSL Concentration [d]					1.00E+03			1.00E+03			7.80E+04			3.13E+01			3.90E+00			1.56E+04		
NMED Industrial SSL Concentration [d]					1.00E+03			1.00E+03			1.13E+06			4.54E+02			1.77E+01			2.23E+05		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	*not sampled*			*not sampled*			9,240	11.2		ND	6.7	UJ	3	0.56		638	1.1	J
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	*not sampled*			*not sampled*			7,350	23.1		ND	13.8	UJ	2.3	0.58		866	2.3	J
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	*not sampled*			*not sampled*			6,950	22.8		ND	13.7	UJ	1.3	0.57		1,540	2.3	J
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	*not sampled*			*not sampled*			11,100	11.5		ND	6.9	UJ	2.4	0.58		205	1.2	J
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	*not sampled*			*not sampled*			4,530	58.8		ND	35.3	UJ	1.6	0.59		329	5.9	J
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	*not sampled*			*not sampled*			4,900	11		ND	6.6	UJ	0.88	0.55		128	1.1	J
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	*not sampled*			*not sampled*			4,450	58.8		ND	35.3	UJ	0.92	0.59		273	5.9	J
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	*not sampled*			*not sampled*			11,000	10.8	J	ND	6.5	UJ	2.4	0.54		105	1.1	J
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	*not sampled*			*not sampled*			7,000	10.6	J	ND	6.3	UJ	1.6	0.53		86.2	1.1	J
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	*not sampled*			*not sampled*			6,940	22.7	J	ND	13.6	UJ	1.5	0.57		232	2.3	J
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	*not sampled*			*not sampled*			10,200	11.1	J	ND	6.6	UJ	2	0.55		241	1.1	J
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	*not sampled*			*not sampled*			6,390	11.2	J	ND	6.7	UJ	1.9	0.56		54.9	1.1	J
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	*not sampled*			*not sampled*			2,880	22.3	J	ND	13.4	UJ	1.7	0.56		109	2.2	J
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	*not sampled*			*not sampled*			7,120	11.3	J	ND	6.8	UJ	1.4	0.56		144	1.1	J
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	*not sampled*			*not sampled*			7,040	11.2		ND	6.7	UJ	1.3	0.56		27	1.1	
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	*not sampled*			*not sampled*			5,410	10.9		ND	6.6	UJ	2.2	0.55		22.5	1.1	
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	*not sampled*			*not sampled*			4,770	11.1		ND	6.7	UJ	1.6	0.56		42.7	1.1	
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	*not sampled*			*not sampled*			3,590	11.1		ND	6.7	UJ	1.8	0.56		24.5	1.1	
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	*not sampled*			*not sampled*			10,500	10.9	J	ND	6.5	UJ	2.4	0.54		109	1.1	J
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	*not sampled*			*not sampled*			7,050	22.9	J	ND	13.7	UJ	1.8	0.57		241	2.3	J
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	*not sampled*			*not sampled*			7,150	11.4	J	ND	6.8	UJ	1.5	0.57		93.7	1.1	J

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	TPH-Oil Range Organics [f]			TPH-Gasoline Range Organics [f]			Aluminum			Antimony			Arsenic			Barium		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.70E+01	2.40E+01	J	ND	--	--	1.47E+04			0.00E+00			3.00E+00			1.54E+03		
NMED Residential SSL Concentration [d]					1.00E+03			1.00E+03			7.80E+04			3.13E+01			3.90E+00			1.56E+04		
NMED Industrial SSL Concentration [d]					1.00E+03			1.00E+03			1.13E+06			4.54E+02			1.77E+01			2.23E+05		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	*not sampled*			*not sampled*			11,800	11	J	ND	6.6	UJ	2.4	0.55		108	1.1	
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	*not sampled*			*not sampled*			6,970	22.1	J	ND	13.3	UJ	2.3	0.55		197	2.2	
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	*not sampled*			*not sampled*			4,560	10.9	J	ND	6.5	UJ	1.5	0.54		169	1.1	
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	*not sampled*			*not sampled*			4,270	11	J	ND	6.6	UJ	1.7	0.55		360	1.1	
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	*not sampled*			*not sampled*			9,520	22.6	J	ND	13.5	UJ	1.8	0.56		337	2.3	
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	*not sampled*			*not sampled*			6,100	11.1	J	ND	6.7	UJ	2	0.56		108	1.1	
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	*not sampled*			*not sampled*			6,870	11.3	J	ND	6.8	UJ	1.8	0.56		91.4	1.1	
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	*not sampled*			*not sampled*			5,210	11.5	J	ND	6.9	J	1.3	0.58		28.6	1.2	
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	*not sampled*			*not sampled*			5,330	11.1	J	ND	6.7	UJ	1.1	0.56		24	1.1	
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	*not sampled*			*not sampled*			5,480	11.3	J	ND	6.8	UJ	1.4	0.56		59.9	1.1	
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	*not sampled*			*not sampled*			4,600	11.2	J	ND	6.7	UJ	1.8	0.56		28.4	1.1	
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	*not sampled*			*not sampled*			14,500	11	J	ND	6.6	UJ	2.6	0.55		170	1.1	J
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	*not sampled*			*not sampled*			11,700	10.9	J	ND	6.6	UJ	2.6	0.55		176	1.1	J
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	*not sampled*			*not sampled*			6,930	22.4	J	ND	13.4	UJ	2.5	0.56		253	2.2	J
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	*not sampled*			*not sampled*			4,600	22.8	J	ND	13.7	UJ	1.8	0.57		404	2.3	J
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	*not sampled*			*not sampled*			7,190	22.1	J	ND	13.3	UJ	1.7	0.55		238	2.2	J
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	*not sampled*			*not sampled*			14,700	23.3	J	ND	14	UJ	2.3	0.58		241	2.3	J
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	*not sampled*			*not sampled*			8,550	22.4	J	ND	13.4	UJ	1.9	0.56		290	2.2	J
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	*not sampled*			*not sampled*			7,010	23	J	ND	13.8	UJ	1.4	0.57		445	2.3	J
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	*not sampled*			*not sampled*			6,710	11.1	J	ND	6.7	UJ	1.4	0.56		62.3	1.1	J
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	*not sampled*			*not sampled*			5,550	1.3	J	ND	6.8	UJ	1.9	0.57		23.8	1.1	J
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	*not sampled*			*not sampled*			5,450	11.1	J	ND	6.7	UJ	1.8	0.56		132	1.1	J
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	*not sampled*			*not sampled*			3,990	11	J	ND	6.6	UJ	1.9	0.55		22.7	1.1	J
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	*not sampled*			*not sampled*			7,050	11.2		ND	6.7	UJ	1.9	0.56		92.4	1.1	J
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	*not sampled*			*not sampled*			9,210	10.9		ND	6.5	UJ	2	0.54	J	96.1	1.1	J
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	*not sampled*			*not sampled*			6,200	21.8		ND	13.1	UJ	1.3	0.54		161	2.2	J
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	*not sampled*			*not sampled*			6,230	10.8		ND	6.5	UJ	1.3	0.54	J	115	1.1	J
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	*not sampled*			*not sampled*			7,840	11		ND	6.6	UJ	1.4	0.55	J	78.5	1.1	J
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	*not sampled*			*not sampled*			4,610	22.1		ND	13.3	UJ	0.84	0.55	J	119	2.2	J
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	*not sampled*			*not sampled*			6,230	11		ND	6.6	UJ	1.1	0.55	J	92.2	1.1	J

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	TPH-Oil Range Organics [f]			TPH-Gasoline Range Organics [f]			Aluminum			Antimony			Arsenic			Barium		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.70E+01	2.40E+01	J	ND	--	--	1.47E+04			0.00E+00			3.00E+00			1.54E+03		
NMED Residential SSL Concentration [d]					1.00E+03			1.00E+03			7.80E+04			3.13E+01			3.90E+00			1.56E+04		
NMED Industrial SSL Concentration [d]					1.00E+03			1.00E+03			1.13E+06			4.54E+02			1.77E+01			2.23E+05		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	*not sampled*			*not sampled*			6,000	11		ND	6.6	UJ	0.77	0.55	J	90.3	1.1	J
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	*not sampled*			*not sampled*			5,460	10.9		ND	6.5	UJ	0.98	0.54	J	26.7	1.1	
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	*not sampled*			*not sampled*			4,980	10.9		ND	6.5	UJ	0.9	0.54	J	97.8	1.1	J
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	*not sampled*			*not sampled*			4,500	10.7		ND	6.4	UJ	1.3	0.54	J	23.8	1.1	J
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	*not sampled*			*not sampled*			8,090	11.2		ND	6.7	UJ	1.9	0.56	J	106	1.1	J
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	*not sampled*			*not sampled*			7,730	11		ND	6.6	UJ	2.1	0.55	J	93	1.1	J
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	*not sampled*			*not sampled*			7,500	21.2		ND	12.7	UJ	1.7	0.53	J	152	2.1	J
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	*not sampled*			*not sampled*			7,090	10.9		ND	6.5	UJ	2.2	0.55	J	148	1.1	J
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	*not sampled*			*not sampled*			5,900	11		ND	6.6	UJ	1.2	0.55	J	146	1.1	J
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	*not sampled*			*not sampled*			9,530	11.2		ND	6.7	UJ	2.4	0.56	J	146	1.1	J
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	*not sampled*			*not sampled*			5,640	22.2		ND	13.3	UJ	1.4	0.56	J	88.6	2.2	J
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	*not sampled*			*not sampled*			5,630	11.2		ND	6.7	UJ	1.1	1.1	J	265	1.1	J
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	*not sampled*			*not sampled*			5,480	10.9		ND	6.5	UJ	1	1.1	J	24.6	1.1	J
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	*not sampled*			*not sampled*			5,240	10.9		ND	6.5	UJ	1.2	0.55	J	33.8	1.1	J
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	*not sampled*			*not sampled*			4,640	10.9		ND	6.6	UJ	1.2	0.55	J	63.1	1.1	J
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	*not sampled*			*not sampled*			3,480	11.1		ND	6.6	U	1.4	1.1		11.8	1.1	
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	*not sampled*			*not sampled*			5,760	10.8		ND	6.5	UJ	1.6	0.54	J	162	1.1	J
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	*not sampled*			*not sampled*			10,600	11.3	J	ND	6.8	UJ	2.6	0.56		93	1.1	J
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	*not sampled*			*not sampled*			10,300	23.1	J	ND	13.8	UJ	2.2	0.58		203	2.3	J
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	*not sampled*			*not sampled*			8,940	11	J	ND	6.6	UJ	1.6	0.55		81.2	1.1	J
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	*not sampled*			*not sampled*			9,340	11	J	ND	6.6	UJ	2	0.55		396	1.1	J
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	*not sampled*			*not sampled*			7,330	22.5	J	ND	13.5	UJ	2.1	0.56		306	2.2	J
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	*not sampled*			*not sampled*			8,030	25.5	J	ND	15.3	UJ	1.7	0.64		341	2.6	J
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	*not sampled*			*not sampled*			4,940	10.9	J	ND	6.6	UJ	2.1	0.55		51.2	1.1	J
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	*not sampled*			*not sampled*			6,340	11.1	J	ND	6.7	UJ	2.1	0.56		147	1.1	J
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	*not sampled*			*not sampled*			5,800	10.8	J	ND	6.5	UJ	1.4	0.54		26.8	1.1	J
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	*not sampled*			*not sampled*			5,870	10.9	J	ND	6.5	UJ	1.4	0.55		30.7	1.1	J
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	*not sampled*			*not sampled*			5,800	11	J	ND	6.6	UJ	1.4	0.55		32.6	1.1	J
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	ND	23	U	ND	1.2	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	17	24	J	ND	1.2	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	ND	23	U	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	ND	23	U	ND	1.2	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	ND	23	U	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	ND	23	U	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	ND	23	U	ND	1.2	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	ND	23	U	ND	1.2	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	ND	24	U	ND	1.2	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	ND	23	U	ND	1.2	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	ND	22	U	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	ND	22	U	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	TPH-Oil Range Organics [f]			TPH-Gasoline Range Organics [f]			Aluminum			Antimony			Arsenic			Barium		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.70E+01	2.40E+01	J	ND	--	--	1.47E+04			0.00E+00			3.00E+00			1.54E+03		
NMED Residential SSL Concentration [d]					1.00E+03			1.00E+03			7.80E+04			3.13E+01			3.90E+00			1.56E+04		
NMED Industrial SSL Concentration [d]					1.00E+03			1.00E+03			1.13E+06			4.54E+02			1.77E+01			2.23E+05		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	ND	22	U	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	9.5	21	J	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	11	22	J	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	ND	22	U	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	ND	23	U	ND	1.2	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	5.4	21	J	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	9.8	21	J	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	16	22	J	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	ND	22	U	ND	1.1	U	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*6*	*of 21*		*0*	*of 21*		*79*	*of 79*		*1*	*of 79*		*79*	*of 79*		*79*	*of 79*	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Beryllium			Cadmium			Calcium			Chromium			Cobalt			Copper		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					7.60E-01			7.70E-01			1.80E+06			2.14E+01			8.00E+00			4.58E+01		
NMED Residential SSL Concentration [d]					1.56E+02			7.03E+01			NE			1.17E+05			NE			3.13E+03		
NMED Industrial SSL Concentration [d]					2.26E+03			8.97E+02			NE			1.70E+06			NE			4.54E+04		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0002	2	0313740008SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0002	2	0312770012SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Beryllium			Cadmium			Calcium			Chromium			Cobalt			Copper		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					7.60E-01			7.70E-01			1.80E+06			2.14E+01			8.00E+00			4.58E+01		
NMED Residential SSL Concentration [d]					1.56E+02			7.03E+01			NE			1.17E+05			NE			3.13E+03		
NMED Industrial SSL Concentration [d]					2.26E+03			8.97E+02			NE			1.70E+06			NE			4.54E+04		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	0.43	0.22		0.64	0.56		53,500	22.4		11.3	1.1		8	1.1		8.5	22	
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	0.43	0.46	J	ND	1.2	U	204,000	46.2		4.4	2.3		3.2	2.3		4.5	4.6	J
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	0.4	0.46	J	ND	1.1	U	135,000	45.5		4.6	2.3		ND	2.3	U	3	4.6	J
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	0.55	0.23		ND	0.58	U	20,500	23		10.5	1.2		5.3	1.2		8.8	2.3	
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	1.2	U	ND	2.9	U	254,000	118		ND	5.9	U	3	5.9	J	ND	11.8	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	0.34	0.22		ND	0.55	U	75,700	22		3.9	1.1		2.5	1.1		2.1	2.2	J
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	1.2	U	ND	2.9	U	259,000	118		ND	5.9	U	4.3	5.9	J	ND	11	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	0.5	0.22		ND	0.54	U	193,000	21.6		15.5	1.1		3.4	1.1		7.5	2.2	
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	0.3	0.21		ND	0.53	U	63,300	21.1		6.4	1.1		2.1	1.1		4.5	2.1	
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	0.47	0.45		ND	1.1	U	161,000	45.3		4.7	2.3		2.5	2.3		2.6	4.5	J
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	0.5	0.22		ND	0.55	U	63,500	22.2		7.4	1.1		3	1.1		4.8	2.2	
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	0.58	0.22		ND	0.56	U	57,400	22.4		5.3	1.1		3.3	1.1		4.7	2.2	
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	0.29	0.45	J	ND	0.56	U	190,000	44.6		2.7	2.2		ND	2.2	U	1.6	4.5	J
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	0.21	0.23	J	ND	0.56	U	81,300	22.6		5.4	1.1		1.1	1.1		1.8	2.3	J
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	0.27	0.22		ND	0.56	U	30,700	22.3		6.4	1.1		1.3	1.1		2.1	2.2	J
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	0.27	0.22		ND	0.56	U	30,400	21.9		4.5	1.1		1.7	1.1		2.1	2.2	J
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	0.24	0.22		ND	0.56	U	64,400	22.3		5.5	1.1		2.3	1.1		2.2	2.2	
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	0.19	0.22	J	ND	0.56	U	32,400	22.2		3.2	1.1		1.4	1.1		2.1	2.2	J
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	0.46	0.22		ND	0.54	U	20,100	21.7		18	1.1		3.3	1.1		7.9	2.2	
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	0.49	0.46		ND	1.1	U	166,000	45.7		6.4	2.3		3.8	2.3		3.3	4.6	J
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	0.18	0.23	J	ND	0.57	U	92,000	22.7		4.5	1.1		1.2	1.1		1.7	2.3	J

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Beryllium			Cadmium			Calcium			Chromium			Cobalt			Copper		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					7.60E-01			7.70E-01			1.80E+06			2.14E+01			8.00E+00			4.58E+01		
NMED Residential SSL Concentration [d]					1.56E+02			7.03E+01			NE			1.17E+05			NE			3.13E+03		
NMED Industrial SSL Concentration [d]					2.26E+03			8.97E+02			NE			1.70E+06			NE			4.54E+04		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	0.43	0.22		ND	0.55	U	12,200	21.9		21.4	1.1	J	3.7	1.1		7.4	2.2	
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	0.57	0.44		ND	1.1	U	173,000	44.3	J	6	2.2	J	3.4	2.2		5.7	4.4	
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	0.27	0.22		ND	0.54	U	96,200	21.7	J	3.8	1.1	J	2.1	1.1		2.5	2.2	
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	0.29	0.22		ND	0.55	U	80,500	22	J	4	1.1	J	2.4	1.1		2.1	2.2	J
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	0.64	0.45		ND	1.1	U	195,000	45.1	J	7	2.3	J	ND	2.3	U	3.9	4.5	J
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	0.21	0.22	J	ND	0.56	U	88,400	22.2	J	4.8	1.1	J	2	1.1		2.8	2.2	
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	0.32	0.23		ND	0.56	U	66,000	22.6	J	5.4	1.1	J	2.2	1.1		2.7	2.3	
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	0.15	0.23	J	ND	0.58	U	66,700	23	J	4.2	1.2	J	1.5	1.2		1.8	2.3	J
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	0.17	0.22	J	ND	0.56	U	35,500	22.2	J	5.8	1.1	J	1.5	1.1		3.6	2.2	
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	0.19	0.23	J	ND	0.56	U	51,100	22.5	J	6.1	1.1	J	2.7	1.1		2.7	2.3	
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	0.15	0.22	J	ND	0.56	U	26,900	22.3	J	5.2	1.1	J	1.2	1.1		2.3	2.2	
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	0.71	0.22	J	ND	0.55	U	41,400	21.9	J	12.9	1.1	J	4.6	1.1	J	8.5	2.2	J
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	0.76	0.22	J	ND	0.55	U	40,100	21.9	J	11.6	1.1	J	4.7	1.1	J	8.6	2.2	J
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	0.45	UJ	ND	1.1	U	135,000	44.8	J	11.7	2.2	J	3	2.2	J	5.6	4.5	J
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	0.39	0.46	J	ND	1.1	U	218,000	45.6	J	3.2	2.3	J	2.1	2.3	J	2.3	4.6	J
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	0.56	0.44	J	ND	1.1	U	121,000	44.2	J	6.7	2.2	J	3.1	2.2	J	4.1	4.4	J
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	0.51	0.47	J	ND	1.2	U	1,800,000	46.5	J	7.1	2.3	J	2.1	2.3	J	3.5	4.7	J
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	0.5	0.45	J	ND	1.1	U	186,000	44.8	J	8.8	2.2	J	2.2	2.2	J	4.6	4.5	J
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	0.25	0.46	J	ND	1.1	U	149,000	45.9	J	4.4	2.3	J	1.2	2.3	J	2	4.6	J
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	0.32	0.22	J	ND	0.56	U	30,900	22.2	J	7.2	1.1	J	1.9	1.1	J	2.1	2.2	J
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	0.29	0.23	J	ND	0.57	U	39,800	22.7	J	6.1	1.1	J	1.4	1.1	J	2.7	2.3	J
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	0.28	0.22	J	ND	0.56	U	53,600	22.2	J	13.4	1.1	J	2.2	1.1	J	9.3	2.2	J
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	0.19	0.22	J	ND	0.55	U	17000	22.1	J	4.4	1.1	J	1.4	1.1	J	2.1	2.2	J
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	0.39	0.22		ND	0.56	U	18,100	22.4		9.2	1.1		2.9	1.1		6.8	2.2	
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	0.51	0.22		ND	0.54	U	23,600	21.7		11.9	1.1		3.6	1.1		8.3	2.2	
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	0.35	0.44	J	ND	1.1	U	135,000	43.6		3.7	2.2		ND	2.2	U	3.7	4.4	J
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	0.35	0.22		ND	0.54	U	52,600	21.6		5.5	1.1		2.2	1.1		2.8	2.2	
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	0.5	0.22		ND	0.55	U	69,200	22.1		6.4	1.1		3.1	1.1		5	2.2	
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	0.44	U	ND	1.1	U	206,000	44.2		5.8	2.2		ND	2.2	U	8.8	4.4	
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	0.2	0.22	J	ND	0.55	U	104,000	22.1		5.2	1.1		1.3	1.1		2.6	2.2	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Beryllium			Cadmium			Calcium			Chromium			Cobalt			Copper		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					7.60E-01			7.70E-01			1.80E+06			2.14E+01			8.00E+00			4.58E+01		
NMED Residential SSL Concentration [d]					1.56E+02			7.03E+01			NE			1.17E+05			NE			3.13E+03		
NMED Industrial SSL Concentration [d]					2.26E+03			8.97E+02			NE			1.70E+06			NE			4.54E+04		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	0.17	0.22	J	ND	0.55	U	50,300	22.1		7.4	1.1		1	1.1	J	7.4	2.2	
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	0.16	0.22	J	ND	0.54	U	49,600	21.8		6.6	1.1		1.3	1.1		6.5	2.2	
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	0.17	0.22	J	ND	0.54	U	38,400	21.8		6.3	1.1		1.6	1.1		3.3	2.2	
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	0.19	0.21	J	ND	0.54	U	18,300	21.5		4.5	1.1		2.2	1.1		1.7	2.1	J
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	0.43	0.22		ND	0.56	U	21,200	22.5		10.8	1.1		3.3	1.1		7	2.2	
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	0.44	0.22		ND	0.55	U	17,800	22		9.2	1.1	J	3	1.1		7.1	2.2	
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	0.34	0.42	J	0.77	1.1	J	141,000	42.5		6.9	2.1	J	2.1	2.1		5.1	4.2	
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	0.38	0.22		ND	0.55	U	73,600	21.8		6.4	1.1	J	2.8	1.1		4.1	2.2	
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	0.34	0.22		ND	0.55	U	100,000	22.1		4.7	1.1	J	1.7	1.1		2.5	2.2	
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	0.65	0.22		ND	0.56	U	69,900	22.5		6.8	1.1	J	3	1.1		5.5	2.2	
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	0.24	0.44	J	ND	1.1	U	156,000	44.4		4.3	2.2	J	2.1	2.2	J	2.8	4.4	J
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	0.21	0.22	J	ND	0.56	U	85,300	22.3		5.2	1.1	J	ND	1.1	U	2.1	2.2	J
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	0.2	0.22	J	ND	0.55	U	30,500	21.8		5.9	1.1	J	1.2	1.1		2.3	2.2	
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	0.23	0.22		ND	0.55	U	46,800	21.8		5.2	1.1	J	1.3	1.1		1.9	2.2	J
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	0.17	0.22	J	ND	0.55	U	40,700	21.9		5.7	1.1	J	0.87	1.1	J	2	2.2	J
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	0.22	U	ND	0.55	U	2,490	22.1		4.1	1.1		0.84	1.1	J	1.2	2.2	J
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	0.3	0.22		ND	0.54	U	78,200	21.6		5	1.1	J	2.4	1.1		3.4	2.2	
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	0.57	0.23		ND	0.56	U	9,170	22.5		11.7	1.1		4	1.1		8.3	2.3	
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	0.43	0.46	J	ND	1.2	U	130,000	46.1		8.6	2.3		2.6	1.1		6.3	4.6	
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	0.47	0.22		ND	0.55	U	79,500	22		6.6	1.1		2.6	1.1		4.4	2.2	
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	0.54	0.22		ND	0.55	U	43,800	22		7.7	1.1		3.2	1.1		4.9	2.2	
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	0.46	0.45		ND	1.1	U	1,260,000	44.9		5.4	2.2		1.9	2.2	J	5.6	4.5	
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	0.32	0.51	J	ND	1.3	U	138,000	51		6	2.6		ND	2.6	U	2.9	5.1	J
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	0.2	0.22	J	ND	0.55	U	76,400	21.8		3.8	1.1		1.7	1.1		2.3	2.2	
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	0.27	0.22		ND	0.56	U	89,000	22.2		5.1	1.1		0.94	1.1	J	2.4	2.2	
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	0.18	0.22	J	ND	0.54	U	14,200	21.5		5.8	1.1		1.4	1.1		2.2	2.2	
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	0.21	0.22	J	ND	0.55	U	26,500	21.8		10.1	1.1		1.6	1.1		45.8	2.2	
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	0.18	0.22	J	ND	0.55	U	14,200	22.1		7.2	1.1		1.7	1.1		2	2.2	J
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Beryllium			Cadmium			Calcium			Chromium			Cobalt			Copper		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					7.60E-01			7.70E-01			1.80E+06			2.14E+01			8.00E+00			4.58E+01		
NMED Residential SSL Concentration [d]					1.56E+02			7.03E+01			NE			1.17E+05			NE			3.13E+03		
NMED Industrial SSL Concentration [d]					2.26E+03			8.97E+02			NE			1.70E+06			NE			4.54E+04		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*74*	*of*	*79*	*2*	*of*	*79*	*79*	*of*	*79*	*77*	*of*	*79*	*72*	*of*	*79*	*77*	*of*	*79*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.15E+04			1.28E+02			1.50E+04			3.40E+02			0.00E+00			1.36E+01		
NMED Residential SSL Concentration [d]					5.48E+04			4.00E+02			NE			1.86E+03			1.56E+01			1.56E+03		
NMED Industrial SSL Concentration [d]					7.95E+05			8.00E+02			NE			2.67E+04			7.36E+01			2.25E+04		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0002	2	0313740008SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0002	2	0312770012SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.15E+04			1.28E+02			1.50E+04			3.40E+02			0.00E+00			1.36E+01		
NMED Residential SSL Concentration [d]					5.48E+04			4.00E+02			NE			1.86E+03			1.56E+01			1.56E+03		
NMED Industrial SSL Concentration [d]					7.95E+05			8.00E+02			NE			2.67E+04			7.36E+01			2.25E+04		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	10,800	11.2		6.4	0.56	J	2,220	22.4		340	1.1		ND	0.11	U	10.5	4.5	
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	5,780	23.1		3.9	0.58	J	3,480	46.2		80.1	2.3		ND	0.12	U	6.9	9.2	J
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	5,300	22.8		3.5	0.57	J	3,490	45.5		47	2.3		ND	0.11	U	4.9	9.1	J
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	10,400	11.5		7.6	0.58	J	2,000	23		174	1.2		ND	0.12	U	9	4.6	
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	3,560	58.8		3.1	0.59	J	3,600	118		36.5	5.9		ND	0.12	U	6.5	23.5	J
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	4,120	11		3.3	0.55	J	2,520	22		60.8	1.1		ND	0.11	U	5.5	4.4	
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	3,710	58.8		1.8	0.59	J	3,520	118		37.5	5.9		ND	0.12	U	13.6	23.5	J
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	9,760	10.8	J	83.9	5.4		1,980	21.6		183	1.1	J	ND	0.11	U	8.1	4.3	
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	6,140	10.6	J	4.5	0.53		2,070	21.1		83.9	1.1	J	ND	0.11	U	6.3	4.2	
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	5,560	22.7	J	4.1	0.57		4,690	45.3		55.9	2.3	J	ND	0.11	U	8.5	9.1	J
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	7,640	11.1	J	6.9	0.55		4,600	22.2		111	1.1	J	ND	0.11	U	8	4.4	
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	5,610	11.2	J	6.2	0.56		3,890	22.4		111	1.1	J	ND	0.11	U	7.2	4.5	
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	2,190	22.3	J	3	0.56		5,440	44.6		15.7	2.2	J	ND	0.11	U	3.3	8.9	J
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	4,590	11.3	J	3.3	0.56		6,760	22.6		36.5	1.1	J	ND	0.11	U	5.7	4.5	
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	5,200	11.2		2.8	0.56	J	6,810	22.3	J	40.7	1.1		ND	0.11	U	4.6	4.5	
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	4,690	10.9		3.5	0.55	J	3,670	21.9		50.9	1.1		ND	0.11	U	4	4.4	J
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	3,930	11.1		2.3	0.56	J	5,350	22.3	J	46.3	1.1		ND	0.11	U	4.2	4.5	J
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	3,450	11.1		1.9	0.56	J	3,520	22.2	J	35.8	1.1		ND	0.11	U	2	4.4	J
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	9,480	10.9	J	128	10.9		1,950	21.7		177	1.1	J	ND	0.11	U	9.4	4.3	
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	5,650	22.9	J	4.1	0.57		4,860	45.7		55.8	2.3	J	ND	0.11	U	7.9	9.1	J
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	4,440	11.4	J	3	0.57		6,540	22.7		37.7	1.1	J	ND	0.11	U	4.6	4.5	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.15E+04			1.28E+02			1.50E+04			3.40E+02			0.00E+00			1.36E+01		
NMED Residential SSL Concentration [d]					5.48E+04			4.00E+02			NE			1.86E+03			1.56E+01			1.56E+03		
NMED Industrial SSL Concentration [d]					7.95E+05			8.00E+02			NE			2.67E+04			7.36E+01			2.25E+04		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	9,550	11	J	60.9	5.5	J	1,880	21.9		167	1.1	J	ND	0.11	U	7.5	4.4	
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	6,380	22.1	J	6.4	1.1	J	3,290	44.3		99.2	2.2	J	ND	0.11	U	8.8	8.9	J
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	3,870	10.9	J	3.9	0.54	J	2,640	21.7		62.9	1.1	J	ND	0.11	U	5.3	4.3	
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	3,700	11	J	4.2	0.55	J	2,690	22		65.8	1.1	J	ND	0.11	U	5.3	4.4	
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	6,720	22.6	J	3.8	0.56	J	7,850	45.1		61.5	2.3	J	ND	0.11	U	4.8	9	J
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	4,350	11.1	J	3.8	0.56	J	6,090	22.2		56.5	1.1	J	ND	0.11	U	5.7	4.4	
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	5,080	11.3	J	3.3	0.56	J	5,900	22.6		57.8	1.1	J	ND	0.11	U	5.9	4.5	
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	3,520	11.5	J	2.3	0.58	J	6,920	23		34.2	1.2	J	ND	0.12	U	3.9	4.6	J
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	3,690	11.1	J	1.9	0.56	J	9,070	22.2		48.4	1.1	J	ND	0.11	U	4.5	4.4	
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	4,050	11.3	J	2.5	0.56	J	15,000	22.5		80.8	1.1	J	ND	0.11	U	4.3	4.5	J
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	3,700	11.2	J	2	2.8	J	10,000	22.3		37.1	1.1	J	ND	0.11	U	3.8	4.5	J
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	11,500	11	J	13.4	2.7	J	2,760	21.9		187	1.1	J	ND	0.11	U	10.4	4.4	
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	10,900	10.9	J	12.5	2.7	J	2,560	21.9		200	1.1	J	ND	0.11	U	9.4	4.4	
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	6,410	22.4	J	4.9	0.56	J	2,960	44.8		84.6	2.2	J	ND	0.11	U	7	9	J
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	3,720	22.8	J	3.8	0.57	J	4,300	45.6		46.5	2.3	J	ND	0.11	U	6.5	9.1	J
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	6,340	22.1	J	4.9	0.55	J	4,560	44.2		89.2	2.2	J	ND	0.11	U	5.4	8.8	J
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	8,010	23.3	J	4.4	0.58	J	12,600	46.5		49.7	2.3	J	ND	0.12	U	9.2	9.3	J
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	5,670	22.4	J	3	0.56	J	6,630	44.8		38.7	2.2	J	ND	0.11	U	6.9	9	J
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	4,510	23	J	3	0.57	J	6,520	45.9		36.3	2.3	J	ND	0.11	U	3.7	9.2	J
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	5,290	11.1	J	2.9	0.56	J	4,540	22.2		47.2	1.1	J	ND	0.11	U	4.3	4.4	J
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	4,390	11.3	J	3.2	0.57	J	6,500	22.7		48.2	1.1	J	ND	0.11	U	4.2	4.5	J
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	6,110	11.1	J	3.1	0.56	J	4,910	22.2		75.4	1.1	J	ND	0.11	U	6.1	4.4	
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	J	11		2.9	0.55	J	3,340	22.1		41.4	1.1	J	ND	0.11	U	2.4	4.4	J
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	7,130	11.2		ND		R	1,470	22.4		160	1.1		ND	0.11	U	6.7	4.5	
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	8,550	10.9		ND		R	1,950	21.7		172	1.1		ND	0.11	U	8.6	4.3	
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	4,450	21.8		ND		R	2,780	43.6		61.7	2.2		ND	0.11	U	4.7	8.7	J
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	5,640	10.8		ND		R	2,790	21.6		94.3	1.1		ND	0.11	U	5.7	4.3	
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	6,510	11		ND		R	3,840	22.1		117	1.1		ND	0.11	U	7	4.4	
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	4,210	22.1		ND		R	5,030	44.2		30.8	2.2		ND	0.11	U	3.9	8.8	J
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	4,080	11		ND		R	8,130	22.1		33.7	1.1		ND	0.11	U	4.4	4.4	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.15E+04			1.28E+02			1.50E+04			3.40E+02			0.00E+00			1.36E+01		
NMED Residential SSL Concentration [d]					5.48E+04			4.00E+02			NE			1.86E+03			1.56E+01			1.56E+03		
NMED Industrial SSL Concentration [d]					7.95E+05			8.00E+02			NE			2.67E+04			7.36E+01			2.25E+04		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	4,690	11		3.1	1.1	R	7,920	22.1		37	1.1		ND	0.11	U	4.8	4.4	
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	4,500	10.9		ND		R	7,530	21.8		49.5	1.1		ND	0.11	U	5.1	4.4	
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	4,260	10.9		ND		R	5,310	21.8		50.5	1.1		ND	0.11	U	3.1	4.4	J
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	4,150	10.7		ND		R	3,610	21.5		58.2	1.1		ND	0.11	U	3.3	4.3	J
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	7,490	11.2		ND		R	1,610	22.5		162	1.1		ND	0.11	U	6.8	4.5	
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	7,840	11		36.4	5.5		1,550	22	J	175	1.1		ND	0.11	U	7.2	4.4	
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	6,140	21.2		7.6	5.3		2,420	42.5	J	77.6	2.1		ND	0.11	U	5.6	8.5	J
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	5,720	10.9		5.1	0.55		2,940	21.8	J	85.6	1.1		ND	0.11	U	6.2	4.4	
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	4,800	11		3.9	0.55		3,080	22.1	J	68	1.1		ND	0.11	U	5.5	4.4	
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	7,710	11.2		6.4	0.56		4,880	22.5	J	139	1.1		ND	0.11	U	8.3	4.5	
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	3,970	22.2		3.3	0.56		4,120	44.4	J	37.9	2.2		ND	0.11	U	3.8	8.9	J
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	3,790	11.2		2.1	1.1		5,290	22.3	J	29	1.1		ND	0.11	U	3.8	4.5	J
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	4,490	10.9		2.2	1.1		4,590	21.8	J	38.5	1.1		ND	0.11	U	5.1	4.4	
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	4,250	10.9		2.2	0.55		5,380	21.8	J	56.8	1.1		ND	0.11	U	3.6	4.4	J
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	3,850	10.9		2.1	1.1		4,660	21.9	J	50.3	1.1		ND	0.11	U	2.9	4.4	J
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	3,320	11.1		2	0.55		3,590	22.1		22.8	1.1		ND	0.11	U	2.6	4.4	J
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	4,730	10.8		4.8	0.54		2,580	21.6	J	70.3	1.1		ND	0.11	U	5.1	4.3	
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	9,750	11.3		20.8	5.6	J	1,820	22.5		207	1.1		ND	0.11	U	9.6	4.5	
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	7,880	23.1		7.4	0.58	J	2,840	46.1		100	2.3		ND	0.11	U	9.9	9.2	
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	6,910	11		4.8	0.55	J	3,430	22		99.1	1.1		ND	0.11	U	7.5	4.4	
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	7,990	11		5.4	0.55	J	3,340	22		144	1.1		ND	0.11	U	7.6	4.4	
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	5,780	22.5		4.3	1.1	J	4,180	44.9		89.9	2.2		ND	0.11	U	5.9	9	J
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	5,600	25.5		3.2	0.64		5,070	51		42.4	1.1		ND	0.13	U	5.4	10.2	J
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	4,020	10.9		2.6	0.55	J	2,460	21.8		46.4	1.1		ND	0.11	U	4.1	4.4	J
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	4,460	11.1		3.3	0.56	J	4,280	22.2		43.8	1.1		ND	0.11	U	3.1	4.4	J
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	4,950	10.8		2.5	0.54	J	3,870	21.5		48.6	1.1		ND	0.11	U	4.7	4.3	
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	5,250	10.9		3.1	0.55	J	4,510	21.8		60.5	1.1		ND	0.11	U	5.7	4.4	
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	5,160	11		5.5	0.55	J	4,660	22.1		54	2.6		ND	0.11	U	4.6	4.4	
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Iron			Lead			Magnesium			Manganese			Mercury			Nickel		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					1.15E+04			1.28E+02			1.50E+04			3.40E+02			0.00E+00			1.36E+01		
NMED Residential SSL Concentration [d]					5.48E+04			4.00E+02			NE			1.86E+03			1.56E+01			1.56E+03		
NMED Industrial SSL Concentration [d]					7.95E+05			8.00E+02			NE			2.67E+04			7.36E+01			2.25E+04		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*79*	*of 79*		*79*	*of 79*		*79*	*of 79*		*79*	*of 79*		*0*	*of 79*		*79*	*of 79*	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					3.23E+03			2.50E-01			0.00E+00			5.21E+02			3.80E-01			2.32E+01		
NMED Residential SSL Concentration [d]					NE			3.91E+02			3.91E+02			NE			7.82E-01			3.91E+02		
NMED Industrial SSL Concentration [d]					NE			5.68E+03			5.68E+03			NE			1.14E+01			5.68E+03		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0002	2	0313740008SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0002	2	0312770012SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					3.23E+03			2.50E-01			0.00E+00			5.21E+02			3.80E-01			2.32E+01		
NMED Residential SSL Concentration [d]					NE			3.91E+02			3.91E+02			NE			7.82E-01			3.91E+02		
NMED Industrial SSL Concentration [d]					NE			5.68E+03			5.68E+03			NE			1.14E+01			5.68E+03		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	1,330	560		ND	2.2	UJ	ND	1.1	U	ND	560	U	ND	1.1	UJ	18.5	1.1	25.2
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	1,330	1,150		ND	2.3	UJ	ND	2.3	U	ND	1,150	U	ND	1.2	UJ	15.3	2.3	
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	1,730	1,140		ND	1.1	UJ	ND	2.3	U	ND	1,140	U	ND	2.3	UJ	12.9	2.3	
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	1,920	576		ND	5.8	UJ	ND	1.2	U	ND	576	U	ND	1.2	UJ	19.8	1.2	
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	735	2,940	J	ND	2.4	UJ	ND	5.9	U	ND	2,940	U	ND	2.4	UJ	11.1	5.9	
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	1,300	550		ND	2.7	UJ	ND	1.1	U	ND	550	U	ND	1.1	UJ	11.7	1.1	
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	591	2,940	J	ND	2.4	UJ	ND	5.9	U	ND	2,940	U	ND	2.4	UJ	14.2	5.9	
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	2,030	541		ND	1.1	UJ	ND	1.1	U	ND	541	U	ND	0.54	UJ	17.8	1.1	
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	1,310	528		ND	1.1	UJ	ND	1.1	U	ND	528	U	ND	0.53	UJ	12.5	1.1	
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	1,600	1,130		ND	1.1	UJ	ND	2.3	U	ND	1,130	U	ND	1.1	UJ	13.5	2.3	
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	2,620	554		ND	1.1	UJ	ND	1.1	U	248	554	J	ND	1.1	UJ	15.4	1.1	
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	2,040	559		ND	1.1	UJ	ND	1.1	U	ND	559	U	ND	0.56	U	15.6	1.1	
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	842	1,120	J	ND	1.1	UJ	ND	2.2	U	ND	1,120	U	ND	1.1	UJ	11.8	2.2	
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	1,250	564		ND	1.1	UJ	ND	1.1	U	ND	564	U	0.16	0.56	J	17.1	1.1	
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	1,310	558		ND	1.1	UJ	ND	1.1	U	ND	558	U	ND	1.1	UJ	23.2	1.1	
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	1,180	547		ND	1.1	UJ	ND	1.1	U	ND	547	U	ND	1.1	UJ	17	1.1	
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	936	557		ND	1.1	U	ND	1.1	U	ND	557	U	ND	0.56	UJ	19.8	1.1	
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	665	556		ND	1.1	U	ND	1.1	U	ND	556	U	ND	0.56	UJ	15.1	1.1	
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	1,990	543		ND	1.1	UJ	ND	1.1	U	ND	543	U	ND	0.54	U	17.2	1.1	
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	1,600	1,140		ND	1.1	UJ	ND	2.3	U	ND	1,140	U	ND	1.1	UJ	14.1	2.3	
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	1,250	568		ND	1.1	UJ	ND	1.1	U	ND	568	U	ND	0.57	U	17.1	1.1	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					3.23E+03			2.50E-01			0.00E+00			5.21E+02			3.80E-01			2.32E+01		
NMED Residential SSL Concentration [d]					NE			3.91E+02			3.91E+02			NE			7.82E-01			3.91E+02		
NMED Industrial SSL Concentration [d]					NE			5.68E+03			5.68E+03			NE			1.14E+01			5.68E+03		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	2,090	548		ND	1.1	UJ	ND	1.1	U	ND	548	U	0.16	0.55	J	17.5	1.1	J
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	1,410	1,110		ND	1.1	UJ	ND	2.2	U	ND	1,110	U	0.12	1.1	J	17	2.2	J
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	1,200	543		ND	1.1	U	ND	1.1	U	ND	543	U	0.12	1.1	J	12.5	1.1	J
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	1,230	551		ND	1.1	UJ	ND	1.1	U	ND	551	U	0.11	1.1	J	10.9	1.1	J
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	2,470	1,130		ND	1.1	UJ	ND	2.3	U	ND	1,130	U	0.11	1.1	J	15.7	2.3	J
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	1,640	556		ND	1.1	UJ	ND	1.1	U	ND	556	U	ND	0.56	U	13.3	1.1	J
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	1,630	565		ND	1.1	UJ	ND	1.1	U	ND	565	U	ND	0.56	U	20.5	1.1	J
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	1,040	576		ND	1.2	UJ	ND	1.2	U	ND	576	U	0.12	0.58	J	16.1	1.2	J
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	1,040	555		ND	1.1	UJ	ND	1.1	U	ND	555	U	ND	0.56	U	18.6	1.1	J
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	1,070	563		ND	1.1	UJ	ND	1.1	U	ND	563	U	ND	0.56	U	21.5	1.1	J
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	936	558		ND	1.1	UJ	ND	1.1	U	ND	558	U	ND	0.56	U	16	1.1	J
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	2,390	548	J	ND	1.1	UJ	ND	1.4	UJ	ND	548	U	0.12	0.55	J	20.8	1.1	
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	2,080	547	J	ND	1.1	UJ	ND	1.4	UJ	ND	547	U	ND	0.55	U	22	1.1	
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	1,360	1,120	J	ND	1.1	UJ	ND	2.7	UJ	ND	1,120	U	ND	0.56	U	16.1	2.2	
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	1,230	1,140	J	ND	2.3	UJ	ND	3.3	UJ	ND	1,140	U	ND	1.1	UJ	12.5	2.3	
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	1,990	1,110	J	ND	1.1	UJ	ND	3.1	UJ	ND	1,110	U	ND	0.55	U	16.3	2.2	
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	3,230	1,160	J	ND	2.3	UJ	ND	3.6	UJ	ND	1,160	U	ND	1.2	UJ	22.2	2.3	
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	1,730	1,120	J	ND	1.1	UJ	ND	2.5	UJ	521	1,120	J	ND	1.1	UJ	19.3	2.2	
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	1,250	1,150	J	ND	1.1	UJ	ND	3	UJ	ND	1,150	U	ND	0.57	U	18	2.3	
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	1,270	556	J	ND	1.1	UJ	ND	1.3	UJ	ND	556	U	ND	0.56	U	18.9	1.1	
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	1,110	566	J	ND	1.1	UJ	ND	1.4	UJ	ND	566	U	ND	0.57	U	21.6	1.1	
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	1,110	555	J	ND	1.1	UJ	ND	1.4	UJ	ND	555	U	ND	0.56	U	20.2	1.1	
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	760	551	J	ND	1.1	UJ	ND	1.4	UJ	ND	551	U	ND	0.55	U	18.1	1.1	
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	1,790	560		ND	1.1	UJ	ND	1.1	U	ND	560	U	ND	0.56	U	13.4	1.1	
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	1,830	543		ND	1.1	UJ	ND	1.1	U	ND	543	U	0.11	0.54	J	15.1	1.1	
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	1,140	1,090		ND	1.1	UJ	ND	2.2	U	ND	1,090	U	ND	0.54	U	9.4	2.2	
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	1,630	540		ND	1.1	UJ	ND	1.1	U	ND	540	U	ND	0.54	U	14.5	1.1	
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	2,040	552		ND	1.1	UJ	ND	1.1	U	ND	552	U	ND	0.55	U	14.4	1.1	
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	959	1,110	J	ND	1.1	UJ	ND	2.2	U	ND	1,110	U	0.38	0.55	J	9.3	2.2	
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	1,110	552		ND	1.1	UJ	ND	1.1	U	ND	552	U	0.21	0.55	J	13.9	1.1	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					3.23E+03			2.50E-01			0.00E+00			5.21E+02			3.80E-01			2.32E+01		
NMED Residential SSL Concentration [d]					NE			3.91E+02			3.91E+02			NE			7.82E-01			3.91E+02		
NMED Industrial SSL Concentration [d]					NE			5.68E+03			5.68E+03			NE			1.14E+01			5.68E+03		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	1,110	552		ND	1.1	UJ	ND	1.1	U	ND	552	U	0.18	1.1	J	16.7	1.1	
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	1,030	545		ND	1.1	UJ	ND	1.1	U	ND	545	U	ND	0.54	U	16.7	1.1	
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	949	545		ND	1.1	U	ND	1.1	U	ND	545	U	ND	1.1	J	18.9	1.1	
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	908	537		ND	1.1	UJ	ND	1.1	U	ND	537	U	ND	0.54	U	15.9	1.1	
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	1,910	562		ND	1.1	U	ND	1.1	U	ND	562	U	ND	0.56	U	14.3	1.1	
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	1,830	550		0.25	1.1	J	ND	1.1	U	ND	550	U	0.3	0.55	J	14.5	1.1	
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	1,310	1,060		ND		R	ND	2.1	U	ND	1,060	U	0.2	0.53	J	13.7	2.1	
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	1,540	546		ND		R	ND	1.1	U	ND	546	U	0.13	0.55	J	15.2	1.1	
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	1,460	552		ND		R	ND	1.1	U	ND	552	U	0.13	0.55	J	13.5	1.1	
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	2,510	561		0.16	1.1	J	ND	1.1	U	ND	561	U	0.11	0.56	J	17.7	1.1	
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	1,220	1,110		ND		R	ND	2.2	U	ND	1,110	U	ND	1.1	UJ	12.6	2.2	
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	1,000	558		ND		R	ND	1.1	U	ND	558	U	ND	1.1	UJ	15.9	1.1	
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	1,020	545		ND		R	ND	1.1	U	ND	545	U	ND	1.1	UJ	17	1.1	
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	1,020	546		ND		R	ND	1.1	U	ND	546	U	ND	0.55	U	15.7	1.1	
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	879	547		ND		R	ND	1.1	U	ND	547	U	ND	0.55	U	16.8	1.1	
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	726	553		ND	1.1	U	ND	1.1	U	ND	553	U	ND	0.55	U	16.7	1.1	
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	1,220	540		ND		R	ND	1.1	U	ND	540	U	0.13	0.54	J	12.7	1.1	
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	2,350	563		ND	1.1	UJ	ND	1.1	U	ND	563	U	ND	0.56	UJ	16.8	1.1	J
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	1,740	1,150		ND	2.3	UJ	ND	2.3	U	ND	1,150	U	ND	1.2	UJ	15.5	2.3	J
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	1,630	549		ND	1.1	UJ	ND	1.1	U	ND	549	U	ND	1.1	UJ	17.4	1.1	J
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	2,040	550		ND	1.1	UJ	ND	1.1	U	ND	550	U	ND	1.1	UJ	19.7	1.1	J
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	1,820	1,120		ND	2.2	UJ	ND	2.2	U	ND	1,120	U	ND	1.1	UJ	14.8	2.2	J
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	1,680	1,280		ND	1.3	UJ	ND	2.6	U	ND	1,280	U	ND	1.3	UJ	14.2	2.6	J
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	1,070	546		ND	2.2	UJ	ND	1.1	U	ND	546	U	ND	1.1	UJ	13.6	1.1	J
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	1,240	555		ND	1.1	U	ND	1.1	U	ND	555	U	ND	1.1	UJ	16.2	1.1	J
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	1,180	538		ND	1.1	UJ	ND	1.1	U	ND	538	U	ND	1.1	UJ	16.5	1.1	J
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	1,180	546		ND	1.1	UJ	ND	1.1	U	ND	546	U	ND	1.1	UJ	17.3	1.1	J
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	1,100	552		ND	1.1	UJ	ND	1.1	U	ND	552	U	ND	1.1	U	17.9	1.1	J
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Potassium			Selenium			Silver			Sodium			Thallium			Vanadium		
					Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual	Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					3.23E+03			2.50E-01			0.00E+00			5.21E+02			3.80E-01			2.32E+01		
NMED Residential SSL Concentration [d]					NE			3.91E+02			3.91E+02			NE			7.82E-01			3.91E+02		
NMED Industrial SSL Concentration [d]					NE			5.68E+03			5.68E+03			NE			1.14E+01			5.68E+03		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*79*	*of*	*162*	*11*	*of*	*79*	*0*	*of*	*79*	*2*	*of*	*79*	*19*	*of*	*79*	*79*	*of*	*79*

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Zinc		
					Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					4.11E+01		
NMED Residential SSL Concentration [d]					2.35E+04		
NMED Industrial SSL Concentration [d]					3.41E+05		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	*not sampled*		
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	*not sampled*		
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	*not sampled*		
	CAN127-1272-0002	2	0313740008SA	9/23/1993	*not sampled*		
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	*not sampled*		
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	*not sampled*		
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	*not sampled*		
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	*not sampled*		
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	*not sampled*		
	CAN127-1275-0002	2	0312770012SA	9/14/1993	*not sampled*		
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	*not sampled*		
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	*not sampled*		
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Zinc		
					Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					4.11E+01		
NMED Residential SSL Concentration [d]					2.35E+04		
NMED Industrial SSL Concentration [d]					3.41E+05		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	*not sampled*		
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	*not sampled*		
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	*not sampled*		
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	*not sampled*		
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	2.2		
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	14.2	4.6	
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	12	4.6	
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	25.4	2.3	
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	9.8	11.8	J
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	10	2.2	
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	9	11.8	J
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	34.7	2.2	
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	15.1	2.1	
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	13.3	4.5	
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	20.8	2.2	
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	13.7	2.2	
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	5.6	4.5	
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	10.7	2.3	
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	10.8	2.2	
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	10.6	2.2	
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	8.8	2.2	
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	7.8	2.2	
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	34.9	2.2	
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	14.3	4.6	
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	10.2	2.3	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Zinc		
					Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					4.11E+01		
NMED Residential SSL Concentration [d]					2.35E+04		
NMED Industrial SSL Concentration [d]					3.41E+05		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	41.1	2.2	
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	18.3	4.4	
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	9.6	2.2	
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	9.9	2.2	
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	16.4	4.5	
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	10.5	2.2	
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	12	2.3	
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	8.1	2.3	
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	9.8	2.2	
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	9.5	2.3	
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	14	2.2	
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	30.3	2.2	J
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	26.4	2.2	J
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	15.8	4.5	J
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	10	4.6	J
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	16.2	4.4	J
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	19.4	4.7	J
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	13.1	4.5	J
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	10.1	4.6	J
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	11.1	2.2	J
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	9.9	2.3	J
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	9.6	2.2	J
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	7.6	2.2	J
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	31.5	2.2	
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	25.5	2.2	
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	11.9	4.4	
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	13.5	2.2	
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	16.7	2.2	
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	10.3	4.4	
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	9.9	2.2	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Zinc		
					Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					4.11E+01		
NMED Residential SSL Concentration [d]					2.35E+04		
NMED Industrial SSL Concentration [d]					3.41E+05		
2714	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	10.6	2.2	
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	10.4	2.2	
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	10.5	2.2	
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	8.9	2.1	
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	31.9	2.2	
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	30	2.2	
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	17	4.2	
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	14.8	2.2	
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	12.3	2.2	
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	19.9	2.2	
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	11.1	4.4	
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	8.2	2.2	
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	10.1	2.2	
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	9.4	2.2	
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	8.8	2.2	
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	6.9	2.2	
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	12.6	2.2	
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	29.2	2.3	
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	21.3	4.6	
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	17.7	2.2	
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	20.4	2.2	
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	15.5	4.5	
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	13.7	5.1	
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	9.8	2.2	
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	10.6	2.2	
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	10.2	2.2	
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	12.2	2.2	
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	10.7	2.2	
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*		

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Zinc		
					Result (mg/kg)	RL (mg/kg)	Qual
Maximum Detected Concentration					4.11E+01		
NMED Residential SSL Concentration [d]					2.35E+04		
NMED Industrial SSL Concentration [d]					3.41E+05		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*		
Frequency of Detection					*79*	*of 79*	

Table 6
SWMU 127 POL Wash Pad
Combined 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Notes:

[a] Woodward-Clyde Consultants, Inc., 1994. RCRA Facility Investigations, Appendix III SWMUs - Phase I, Cannon Air Force Base, New Mexico, February.

[b] Woodward-Clyde Consultants, Inc., 1997. RCRA Facility Investigations, Appendix III SWMUs - Phase II, Cannon Air Force Base, New Mexico.

[c] Bay West, Inc. and Tetra Tech EC, Inc., 2008. Final Letter Report, Voluntary Corrective Aciton, AGE Maintenance Facility Shop Pad (SWMU 31) and POL Wash Pad (SWMU 127), Cannon Air Force Base, New Mexico, Rev 01, July 2008.

[d] New Mexico Environment Department (NMED), 2012. Table A-1: NMED Soil Screening Levels, Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Tier 1: Soil Screening Guidance Technical Background Document, Hazardous Waste Bureau and the Ground Water Quality Bureau - Voluntary Remediation Program, February 2012, Table A-1 updated June 2012.

[e] U.S. Environmental Protection Agency (EPA), 2013. Regions 3, 6, and 9 Regional Screening Levels for Chemical Contaminants at Superfund Sites, May.

[f] New Mexico Environment Department (NMED), 2012. Table 6-2. TPH Screening Guidelines for Potable Groundwater (GW-1), Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Tier 1: Soil Screening Guidance Technical Background Document, Hazardous Waste Bureau and the Ground Water Quality Bureau - Voluntary Remediation Program, February 2012. Values provided are for unknown oil.

BOLD	**Bold** font and Yellow highlight indicates the maximum concentration exceeds the NMED residential SSL.
AFB	= Air Force Base
bgs	= below ground surface
EPA	= U.S. Environmental Protection Agency
J	= Result concentration is estimated
MEK	= Methyl ethyl ketone
mg/kg	= milligram per kilogram
ND	= Result not detected
NE	= Not established
NMED	= New Mexico Environment Department
NS	= Not sampled
ORO	= oil range organics
PCB	= polychlorinated biphenyl
Qual	= Qualifier
RCRA	= Resource Conservation and Recovery Act
R	= Result is unusable.
RL	= Reporting limit
SSL	= soil screening level
SVOC	= Semi-volatile organic compound
SWMU	= Solid Waste Management Unit
TEQ	= toxic equivalency quotient
TPH	= Total petroleum hydrocarbons
U	= Result not detected
ug/kg	= micrograms per kilogram
VOC	= Volatile organic compound