DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER
JOINT BASE SAN ANTONIO LACKLAND TEXAS

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Laura Peters
Restoration Program Manager
506 N. Air Commando Way
Cannon AFB NM 88103

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

NOV 2 6

Hazardous Waste Bureau

Dear Mr. Kieling

Cannon AFB is please to submit the *Revised Final Risk Screening Evaluation for Solid Waste Management Unit (SWMU) 127, Petroleum, Oil, and Lubricants (POL) Wash Pad at Facility 4095*. This revised report is in response to your 7 August 2014 Notice of Disapproval and 30 September 2014 Approval for Time Extension to submit the report by 26 November 2014. If you have any questions regarding this submittal, please contact me at (575) 784-0491.

Sincerely,

Laura Peters

LAURA PETERS, AFCEC/CZO

Attachment:
Revised Final Risk Screening Evaluation for SWMU 127

cc:
NMED, Dave Cobrain
NMED, Dan Comeau
NMED, Neelam Dhawan

Response to NMED August 7, 2014 Letter Re: *NOTICE OF DISAPPROVAL, FINAL RISK SCREENING EVALUATION FOR SWMU 127, POL WASH PAD AT FACILITY 4095,CANNON AIR FORCE BASE, NEW MEXICO EPA ID #NM7572124454 HWB-CAFB-14-005*			
Comment No.	**NMED Comments**	**Cannon Response**	**Section/Page Reference in Revised Letter**
1	As noted in Comment 2 below, the Report provides a summary of the risk assessment screening evaluation conducted in response to the NMED's request 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…." However, only a select few organics were evaluated for the vapor intrusion pathway. It appears the simple point by point comparison of site data to a screening level [the NMED Soil Screening Levels (SSLs) or the United States Environmental Protection Agency (US EPA) Regional Screening Levels (RSLs) if a NMED SSL was not available] was used to identify constituents of potential concern (COPCs) and if the maximum detected value was below the screening level, risks/hazards were not addressed. Conducting such a comparison does not follow protocol for identification of COPCs. As noted in the NMED Soil Screening Guidance (2012), and per federal guidance (US EPA 1989), if there is site history to indicate a chemical (organic) was potentially used/present at a site, and the chemical was detected in at least one sample, this chemical must be included as a COPC and evaluated in the screening assessment. For inorganics, comparison to background reference values determines whether the inorganic should be retained as a COPC. As noted in Tables 1 and 6 of the Report, there are several constituents which have multiple detections that were not included in the risk screening evaluation. The Report and associated calculations and tables must be revised to include all COPCs.	As requested, the Report has been revised to include all COPCs.	Section 2.0/ Pages 2 through 9
2	The conclusion of the Report is that the risk screening shows that there is an acceptable level of current and potential residential and industrial risk. It is unclear how this determination can be made when risks from exposure to COPCs in soil were not calculated. A simple point by point comparison of site data to a screening level does not constitute a screening level risk assessment. As noted in the 2012 NMED Soil Screening Guidance (refer to Section 5.0 of the Guidance), risks and hazards must be determined for all contaminants and pathways and additive risk/hazard must be determined. For example using the maximum detected concentration for each constituent:	As requested, the Report has been revised to include an additive screening level assessment for potential human health effects, and also to include an ecological screening level assessment.	Section 2.1 / Page 2; Section 2.4 / Page 4; Section 2.7 / Page 6; and Section 3.0 / Page 9

Response to NMED August 7, 2014 Letter Re: *NOTICE OF DISAPPROVAL, FINAL RISK SCREENING EVALUATION FOR SWMU 127, POL WASH PAD AT FACILITY 4095,CANNON AIR FORCE BASE, NEW MEXICO EPA ID #NM7572124454 HWB-CAFB-14-005*			
Comment No.	**NMED Comments**	**Cannon Response**	**Section/Page Reference in Revised Letter**
	$$\text{Site Risk} = \left(\frac{\text{conc}_x}{\text{SSL}_x} + \frac{\text{conc}_y}{\text{SSL}_y} + \frac{\text{conc}_z}{\text{SSL}_z} + \ldots + \frac{\text{conc}_i}{\text{SSL}_i} \right) \times 10^{-5}$$ $$\text{Site Hazard Index (HI)} = \left(\frac{\text{conc}_x}{\text{SSL}_x} + \frac{\text{conc}_y}{\text{SSL}_y} + \frac{\text{conc}_z}{\text{SSL}_z} + \ldots + \frac{\text{conc}_i}{\text{SSL}_i} \right) \times 1$$ Revise the Report and associated calculations to include total risk and hazard for all COPCs (metals and organics) and for all pathways. In accordance with NMED's 2012 Soil Screening Guidance, the screening assessment must also include a soil-to-groundwater migration evaluation and an ecological screening risk assessment.		
3	In reviewing the previous Notice of Disapproval (NOD) for the *Corrective Measures Study at SWMUs 31, 48A, 77, and 127, Cannon Air Force Base, New Mexico* dated 2008, and subsequent comment/response documents, the issue of addressing the vapor intrusion pathway was required. The risk screening Report provides a discussion of the additional evaluation of this pathway. While an analysis of the Johnson and Ettinger model does provide an indication of whether some volatile organic compounds (VOCs) may exceed a target level, evaluation of the model alone does not provide an understanding of cumulative risk to potential receptors at each SWMU. In order to assess whether the inhalation of VOCs in indoor air is of concern, the risks to this pathway must be combined with the overall risks calculated by the comparison of site concentrations to the NMED SSLs (or the RSLs if a NMED SSL is not available).	As requested, estimated risks from all pathways have been combined.	Section 2.6 / Page 6

Response to NMED August 7, 2014 Letter Re: *NOTICE OF DISAPPROVAL, FINAL RISK SCREENING EVALUATION FOR SWMU 127, POL WASH PAD AT FACILITY 4095,CANNON AIR FORCE BASE, NEW MEXICO EPA ID #NM7572124454 HWB-CAFB-14-005*			
Comment No.	**NMED Comments**	**Cannon Response**	**Section/Page Reference in Revised Letter**
4	As stated in the 2012 NMED Soil Screening Guidance, Section 2.1.6, "if vapor intrusion into indoor air is a concern, additional analysis of this pathway may be necessary and the latest guidance on evaluating the vapor intrusion pathway should be consulted: for example, the US EPA's 2002 *Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Soil Vapor Intrusion Guidance.*" The US EPA (2002) vapor intrusion guidance does not support the use of bulk soil data for evaluation of the vapor intrusion pathway, and active soil gas data must be used for assessing risk from vapors in soil. Part of the reason for not using bulk soil data to assess the pathway is that soil data tend to underestimate potential vapor risks. Since it has been shown that vapor intrusion is a complete pathway, and in compliance with both EPA and NMED guidance, additional characterization is required using active soil gas (passive soil gas may only be used to show presence/absence and is not appropriate for use in a risk assessment) and subsequent risk screening/analyses of the data.	Soil gas samples have been collected and incorporated in the revised Report.	Section 2.5 / Page 5
5	It is stated in the Report that the previous detections of polycyclic aromatic hydrocarbons (PAHs) are most likely due to runoff from asphalt. Studies have shown that runoff from paved areas can contribute to some PAHs. The runoff could contain traces of used oil, particulates from tires, trace amounts from deposition, and from sealants. However, studies have also shown there is a debatable amount of PAHs related to seal coatings. Coal-tar based sealcoats, which are prevalent in the eastern portions of the country, tend to exhibit greater amounts of PAHs than asphalt seal coats, which are more prevalent in the western portions of the country. However, unless there are definitive data such as a background study demonstrating an off-site source for the PAHs and sufficient data and site history to justify that the PAHs could not be present based on past activities, they must either be included in the risk assessment or site-specific evaluations must be conducted to determine the off-site source (via sampling). Given the history of this site (sand trap and leach field for the refueling truck wash rack), there is potential for PAHs to be present based on historical activities (oil and other fluids washed off the vehicles, washing particles from tires, etc.). Revise the risk screening Report to include risks from all detected PAHs.	Site-specific background PAH soil samples have been collected and included in the revised Report.	Sections 2.2 and 2.3 / Page 3

Response to NMED August 7, 2014 Letter Re: *NOTICE OF DISAPPROVAL, FINAL RISK SCREENING EVALUATION FOR SWMU 127, POL WASH PAD AT FACILITY 4095,CANNON AIR FORCE BASE, NEW MEXICO EPA ID #NM7572124454 HWB-CAFB-14-005*			
Comment No.	**NMED Comments**	**Cannon Response**	**Section/Page Reference in Revised Letter**
6	In determining the upper confidence level of the mean (UCL), it is not clear how non-detects were handled. Non-detects (censored datasets) should be evaluated following the appropriate methodology outlined in US EPA's ProUCL Technical Guide. Currently, ProUCL guidance recommends regression on order statistical methods for handling non-detects in environmental data sets. Use of one-half the minimum detection limit (MDL) or sample quantitation limit (SQL), or other simple substitution methods, are not considered appropriate methods for handling non-detects. Discuss how non-detects were handled, and if simple substitution methods were applied, revise the UCL calculations in accordance with methods recommended in ProUCL (regression on order).	The Report has been revised to explain how non-detects were handled in calculation of the UCLs. One-half the MDL or SQL, or other simple substitution methods, were not used.	Section 2.3 / Page 4
7	Although an area-weighted exposure point concentration is an acceptable method for conducting a more refined assessment of risk from exposure to soil, it may not be an acceptable method for assessing risk via the vapor intrusion pathway. Use of the area-weighted exposure point concentration assumes that the building would cover the entire site. The screening level Johnson and Ettinger model assumes a building footprint of 10 by 10 meters (100 square meters), while the area-weighted exposure point concentrations at SWMU 127 are based on a site area of 13,119.1 square feet (1,218.8 square meters). Thus, the building footprint would not cover the entire site and use of the weighted average may underestimate risks and/or hazards if the building were to be placed over a hotspot or in an area with higher levels of detections of COPCs. Unless it can be demonstrated that use of the area-weighted exposure point concentration would be protective of a scenario regardless of where a building is placed (e.g., specifically when a building is placed over an area with higher levels of COPCs), use of the area-weighted exposure point concentration is not acceptable.	As soil gas samples have been collected (see response to Comment No. 4), use of an area-weighted approach is no longer needed and has been deleted from the revised Report.	Section 2.5 / Page 5
8	For determination of the area-weighted exposure point concentrations, either the maximum detected concentration or one-half the detection limit (if not detected) was used to represent the polygon. For benzene at sample 12709, a ratio of benzene to ethyl benzene was used. Discuss and demonstrate that this ratio is representative of all of the polygons and is a conservative assumption.	As soil gas samples have been collected (see response to Comment Nos. 4 and 7), use of an area-weighted approach is no longer needed and has been deleted from the revised Report.	Section 2.5 / Page 5

CB&I Federal Services LLC
One Westchase Center
10777 Westheimer, Suite 170
Houston, Texas 77042
Tel: 713 243-7095
www.CBI.com

November 24, 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: Revised 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 revised 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) and to address New Mexico Environment Department (NMED) review comments dated August 7, 2014. 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 NMED letter to Ronald Lancaster, dated 22 June 2010.

1.0 Background

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.

2.0 Human Health Risk Screening Evaluation

This human health risk screening evaluation examines organics in soil, inorganics in soil, and soil vapor. The risk evaluations are presented in separate subsections as the analytical data are organized in this manner. A combined

human health risk evaluation, summing risks and hazards for organic and inorganic chemicals in all media, is presented in Section 2.6.

It should be noted that estimated risks and hazards are reported to two significant figures herein, to avoid an appearance of rounding errors (if only one significant figure was used) and to aid in the calculation of refined risks and/or hazards (e.g., target organ-specific noncancer hazards, resultant risks when discounting anthropogenic PAHs, resultant risks when substituting 95% UCL EPCs for maximum detected concentrations, etc.). In actuality, risk assessment is not an exact science, and estimated risks and hazards are typically only accurate to one significant figure.

2.1 Risk Screening Evaluation for Organics in Soil

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 soil dataset is summarized on the attached **Table 1** and **Table 11** presents the entire dataset on compact disc (CD). The maximum detected soil 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).

Cumulative cancer risk and noncancer hazard calculations were performed for organic constituents (as shown in **Table 2**), using the maximum detected concentrations for all the soil data, including those detected constituents that both exceeded and did not exceed a risk-based screening value, per NMED (2012) Guidance. Based on this cumulative risk evaluation, the total estimated cancer risk for a future hypothetical residential land use scenario was 8.2E-4, while the estimated total noncancer hazard was 0.53. The estimated total cancer risk exceeded NMED's target cancer risk threshold of 1E-5, primarily due to the five PAHs listed previously. Benzo(a)pyrene and benzo(b)fluoranthene contributed the most to the total estimated cancer risk. The estimated noncancer hazard was acceptable, as it did not exceed 1.0. The total estimated cancer risk for a future industrial land use scenario was 5.4E-5, while the estimated total noncancer hazard was 0.09. The estimated total cancer risk for an industrial scenario also exceeded NMED's target cancer risk threshold of 1E-5, also due to the five PAHs listed previously. The estimated noncancer hazard was acceptable, as it did not exceed 1.0.

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 were commonly found in areas receiving runoff from asphalt pavement and did not correspond to locations where elevated TPH was detected. The lack of deeper PAH

detections exceeding the SSLs and the lack of confirmation during 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. Based on NMED review comments on the initial version of this Letter Report, it was suggested that site-specific background soil samples be collected proximate to the site to support the assertion that PAHs are related to anthropogenic background (e.g., runoff from asphalt roadways). This background sampling was performed in August 2014 and results are discussed in the following subsections.

2.2 New Soil Samples

Four site-specific background surface soil samples (0 to 0.5 feet) were collected August 25, 2014 proximate to SWMU 127 (**Figure 1**) and analyzed for PAHs via Method 8270 SIM to confirm that the previously detected PAHs in shallow soil were related to background, as discussed previously in Section 2.1. In addition, one sample and a field duplicate were collected on August 26, 2014 from just beneath the concrete pad from a depth of 1.5 to 2.5 feet and analyzed for Gasoline Range Organics, Diesel Range Organics, and Residual Range Organics via Method 160.3 to confirm the historical sample results that reported very low TPH concentrations. TPH samples results from 127-SB23 results were nondetect and thus did confirm low concentrations

The background sample locations were selected proximate to the site, within slight depressions that run parallel to existing asphalt roadways, and far enough from the site as to preclude potential migration of site PAHs to these background areas. Analytical results from this sampling event are presented on the CD as **Appendix C**. Using the PAH background sample results, upper tolerance limits (UTLs) were calculated following NMED (2012). These UTLs are summarized in **Table 3**, based on statistical output from ProUCL software, v. 5.0.00 (EPA, 2014) presented in **Appendix A-1**. As shown in **Table 4**, the maximum detected site concentration of 15 of the 17 PAH compounds at SWMU 127 (except 2-methylnaphthalene and naphthalene) are below site-specific background. This finding is based on a comparison of the site maximum detected concentration with either the calculated background UTL or the maximum background detected concentration.

2.3 Refined Risk Screening Evaluation for Soil Organics

As 15 of the site PAH compounds (i.e., acenaphthene, acenaphthylene, anthracene, , benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo(g,h,i)perylene, benzo[k]fluoranthene, chrysene, dibenzo[ah]anthracene, fluoranthene, fluorene, indeno[1,2,3-cd]pyrene, , phenanthrene, and pyrene) were found to be below site-specific background, the risk associated with these background PAHs was subtracted from the total estimated site risk. As shown at the end of **Table 2**, the total estimated site cancer risk for a future hypothetical residential land use scenario without background PAHs was 1.6E-5, while the total estimated site cancer risk for a future industrial land use scenario without background PAHs was 2.8E-6. As the estimated residential cancer risk still exceeded NMED's target risk threshold of 1E-5, further evaluation is warranted. It should be noted that background PAHs were not discounted in the initial risk and hazard calculations (Section 2.1 and 2.2) because NMED (2012) only allows inorganics to be discounted prior to the risk screening, and states "if there is site history to indicate a chemical was potentially used/present at a site, and the chemical was detected in at least one sample, this chemical must be included as a COPC and evaluated in the screening assessment."

The three COPCs in soil contributing the most to the future hypothetical residential land use scenario risk of 1.6E-5 (without the 15 background PAHs), were benzene, ethylbenzene, and naphthalene (**Table 2**). Rather than using

the maximum detected concentration for these three COPCs in the cumulative risk evaluation, a refined assessment using the 95% upper confidence limit (UCL) on the mean is recommended. Based on soil sample results for the 0 to 10 foot bgs depth interval (a depth interval potentially available for future residential exposure, assuming the site is redeveloped for residential land use and home construction brings subsurface soils to the surface), these three COPCs had frequencies of detection of 1 out of 62, 2 out of 62, and 1 out of 68, respectively (**Appendix A-2**). Using EPA's ProUCL statistical software (v5.0.00) (EPA, 2014), the estimated 95% UCL for ethylbenzene was 6,271 µg/kg. However, the 95% UCLs were not calculated by ProUCL for benzene and naphthalene due to only one distinct value being detected (**Appendix A-2**). When only one detected result is available, ProUCL does not calculate a 95% UCL and states "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)." Therefore, as a conservative approach, the maximum detected concentrations of benzene and naphthalene were retained as EPCs in this refined assessment.

For data sets with non-detects with multiple detection limits (as is the case for ethylbenzene for SWMU 127 soil data), ProUCL uses the Kaplan-Meier (KM) estimation method to derive a recommended 95% UCL (EPA, 2014). For ethylbenzene the 95% UCL was based on the 95% KM Chebyshev statistic (**Appendix A-2**).

As the estimated residential cancer risk for ethylbenzene using the maximum detected concentration of 54,000 µg/kg was 7.9E-6 (**Table 2**), and the estimated cancer risk associated with the 95% UCL of 6,271 µg/kg is 9.2E-7 (6,271 µg/kg/54,000 µg/kg × 7.9E-6), the total estimated residential cancer risk (without the 15 background PAHs) may be reduced by 7.0E-6 (7.9E-6 – 9.2E-7). Therefore, the estimated residential cancer risk (without background PAHs, but with the 95% UCL for ethylbenzene) is 9.0E-6 (1.6E-5 – 7.0E-6). As 9.0E-6 is less than NMED's target risk threshold of 1E-5, future hypothetical residential risk is acceptable.

It should be noted that this estimated residential cancer risk of 9.0E-6 (discussed above) is conservative because exposure point concentrations for benzene and naphthalene are expected to be considerably lower than the maximum detected concentrations of 3,800 mg/kg and 21,000 mg/kg because (1) the maximum concentrations detected in surface soil recorded in 1994 are likely to be lower due to weathering and volatilization; and (2) the mean exposure point concentrations, using the entire soil data set, are 106 mg/kg and 793 mg/kg, respectively, that are approximately 36-fold and 26-fold lower than the maximums.

It is possible that future residents may only be exposed to COPCs in surface soil, not total soil, assuming future home construction does not bring subsurface soils deeper than approximately 2 feet bgs to the surface. To address this uncertainty, the 95% UCL for ethylbenzene is also estimated using just surface soil sample results from 0-2 feet bgs, as discussed in the Risk Evaluation Uncertainty Analysis (Section 2.8).

2.4 Risk Screening Evaluation for Inorganics in Soil

Although there were no metal analytes that exceeded the residential SSLs, cumulative cancer risk and noncancer hazard calculations were performed for the metal constituents (as shown in **Table 5**), using the maximum detected concentrations for all the soil data, including those detected constituents that both exceeded and did not exceed a risk-based screening value, per NMED (2012) Guidance. However, metals found to be related to background were excluded from the cumulative risk and hazard calculations, as allowed by NMED (2012). The screen values for background metals were the UTLs from the Cannon Air Force Base Background Study (Cannon AFB, 1997).

Of the 20 detected metals in SWMU 127 soil samples, ten were determined to be related to background (**Table 5**). Excluding these background-related metals, the total estimated cancer risk for a future hypothetical residential land use scenario is zero (as the only carcinogen [arsenic] was determined to be related to background), and the estimated total noncancer hazard is 0.83. The future industrial hazards are even lower (0.06). These metal risks and hazards are acceptable.

For informational purposes, the total estimated cancer risk for a future hypothetical residential land use scenario including background metals was 7.7E-6, while the estimated total noncancer hazard was 1.6. The total estimated cancer risk for a future industrial land use scenario including background metals was 1.7E-6, while the estimated total noncancer hazard was 0.11 (**Table 5**).

2.5 Risk Screening Evaluation for Organics in Soil Vapor and New Soil Vapor Samples

The NMED requested an evaluation of the vapor intrusion (VI) pathway for VOCs due to elevated benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations detected in the 1993 and 1994 sampling. The VI pathway was initially evaluated using soil data and the Johnson & Ettinger Soil Model (SL-SCREEN Version 3.1, 2004). However, subsequent review comments (NMED, 2014) requested the collection of soil vapor data for evaluation of the VI pathway. Therefore, 22 soil vapor samples were collected at the site in August 2014, 11 samples from a depth of 5 feet bgs and 11 samples from a depth of 10 feet bgs. A field duplicate was collected for quality control purposes. Results of the detected VOCs are presented in **Table 6**, ranked from highest to lowest for each parameter. Twenty detected VOCs were entered into the Johnson & Ettinger Soil Vapor Model (SV-ADVANCED Version 2.0, 2003), modified to accept multiple chemicals (**Appendix B-1**). Future hypothetical residential risks and hazards were estimated, using the maximum detected concentrations in the 5 foot samples, as well as in the 10 foot samples. Soil type was set equal to sand. Inhalation toxicity data were obtained from EPA's May 2013 Regional Screening Level Table (to be consistent with the date of screening levels used in **Table 1**). When one of the 20 detected VOCs was not detected in one of the depth intervals, the reporting limit was used as a surrogate concentration (i.e., for bromoform and chloroethane in the 10 foot samples and for cis-1,2-dichlorothene in the 5 foot samples). Several parameter results were not used in the VI assessment, as discussed in the following bullets:

- TPH fraction results, including c5-c8 aliphatics, c9-c10 aromatics, c9-c12 aliphatics, and TPH gasoline, were not used, as VI transport properties such as Henry's Law are not readily available for these types of mixture results. In addition, as a full suite of VOC soil vapor results are available, use of conservative surrogates for TPH mixtures are not needed.

- Results for 2-hexanone were not used, as this parameter is not included in the Johnson & Ettinger Soil Vapor Model. As the maximum detected concentration of this parameter was 4.8 $\mu g/m^3$ in a 5 foot sample, and the residential indoor air screening concentration is 31 $\mu g/m^3$, the discounting of the parameters is deemed minor.

- Results for o-xylene were added to results for m,p-xylene, as the latter is not included in the Johnson & Ettinger Soil Vapor Model. As the toxicity reference concentration for both of these parameters is the same (0.2 mg/m^3), this approach is deemed appropriate.

Based on the results of the VI assessments (**Appendix B-1**), the total estimated future hypothetical residential cancer risk was 4.2E-7 based on the 5 foot sample results, while the total estimated noncancer hazard index was

0.11. Using the 10 foot sample results, the total estimated future hypothetical residential cancer risk was 7.8E-7, while the total estimated noncancer hazard index was 0.21. The risk and hazard driver for both the 5 and 10 foot sampling intervals was trichloroethene. A future industrial risk evaluation for VI was not performed, as the residential risks and hazards were acceptable (i.e., total cancer risk was less than NMED's target risk threshold of 1E-5 and the total hazard index was below 1.0).

2.6 Cumulative Risk Screening Evaluation

To consider potential combined risks and hazards for all media, **Table 7** presents cumulative risks and hazards for a future hypothetical residential land use scenario. The total estimated cumulative cancer risk is 9.8E-6, which is below NMED's target cancer risk threshold of 1E-5. The total estimated cumulative noncancer hazard is 1.6, which slightly exceeds NMED's target noncancer hazard threshold of 1.0. Therefore, a further segregation of the estimated total hazard index by target organ was performed. As shown in the table, as only two COPCs affect the kidney (toluene and barium), the combined HI is 0.12. In addition, as only two COPCs affect the nervous system (aluminum and manganese), the combined HI is 0.37. All other hazard drivers in soil and soil vapor affect different target organs and thus adverse effects are not additive. Therefore, after discounting toluene and barium, and aluminum and manganese (that affect the kidney and nervous system, respectively), none of the remaining COPCs had an HQ that exceeded 1.0. Based on this evaluation of total hazards segregated by target organ, estimated future residential hazards are acceptable.

2.7 Risk Screening Evaluation for Potential Leaching for COPCs

An evaluation of potential leaching of COPCs from soil to groundwater was performed. As recommended in NMED (2012), leaching soil screening levels (SSLs) based on a dilution attenuation factor (DAF) of 20 were used. SSLs based on a DAF of 20 are default SSLs that should be applicable at most sites, to account for natural processes that reduce contaminant concentrations in the subsurface. As stated in NMED (2012), SSLs based on a DAF of 1 should only be considered at sites where little or no dilution or attenuation of soil leachate concentrations is expected (e.g., shallow water tables, karst topography), which is not the case for SWMU 127.

For the organic chemicals in soil, the maximum detected concentrations of nine COPCs exceeded SSLs protective of groundwater resources, including benzene, ethylbenzene, toluene, xylenes, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, 2-methylnaphthalene, and naphthalene (**Table 8**). The magnitude of exceedances ranged from a low of 3.2-fold for toluene to a high of 295-fold for naphthalene. For metals, the maximum detected concentrations of two COPCs exceeded SSLs protective of groundwater resources, including arsenic and cobalt (**Table 9**). The magnitude of exceedances ranged from a low of 1.9-fold for cobalt to a high of 12-fold for arsenic. However, as arsenic was determined to be related to background (the maximum detected concentration of 3.0 mg/kg was below the UTLs that ranged from 3.6 mg/kg to 4.3 mg/kg (**Table 9**), this metal is not a concern for leaching. For cobalt, the maximum detected concentration of 8 mg/kg exceeded the SSL of 4.2 mg/kg, as well as exceeded the background UTL range of 4.7 mg/kg to 6.6 mg/kg.

The depth to groundwater at the site is approximately 300 feet bgs, the nearest groundwater supply well is screened at 360-410 feet bgs, and evapotranspiration rates are very high in the area. The maximum detected concentrations of the nine organic COPCs exceeding SSLs protective of groundwater resources were all detected in surface soil (either 0 or 0-0.5 ft. bgs), which indicates these organics are unlikely to contribute to groundwater contamination. In addition, it should be noted that the depth of the single cobalt sample that exceeded the

background range was sample CAN127-2709-0000 collected from a depth of 0 to 0.5 feet bgs (**Table 1**). As cobalt only exceeded the SSL in surface soil, this is further evidence that this metal is unlikely to contribute to groundwater contamination.

Therefore, adverse impacts to groundwater from leaching of COPCs in soil are considered to be highly unlikely.

2.8 Risk Screening Evaluation Uncertainty Analysis

This subsection discusses some uncertainties associated with the risk screening evaluation, including the use of total soil samples, and not surface soil samples, for a future residential exposure scenario (Section 2.8.1) and the size of the site compared with a potential future residential lot (Section 2.8.2).

2.8.1 Use of Total Soil Samples Compared with Surface Soil Samples for Residential Scenario

As discussed in Section 2.3, it is possible that future residents may only be exposed to COPCs in surface soil, not total soil, assuming future home construction does not bring subsurface soils deeper than approximately 2 feet bgs to the surface. To address this uncertainty, the 95% UCL for ethylbenzene was estimated using just the 28 surface soil sample results from approximately 0-2 feet bgs. Note: other COPCs are not addressed in this subsection because maximum detected concentrations from 0-10 feet bgs were used. The 95% UCL for ethylbenzene in surface soil was 18,796 µg/kg, based on a 97.5 KM Chebyshev UCL statistic, as recommended by ProUCL (**Appendix A-3**). As this UCL is greater that the UCL of 6,271 µg/kg estimated for total soil (0-10 ft. bgs; Section 2.3) by a factor of 3-fold, the estimated ethylbenzene risk would increase if only surface soil data were used.

An estimation of future residential risk using the surface soil EPC for ethylbenzene is presented in this paragraph (following the approach used previously in Section 2.3). As the estimated residential cancer risk for ethylbenzene using the maximum detected concentration of 54,000 µg/kg was 7.9E-6 (**Table 2**), and the estimated cancer risk associated with a surface soil 95% UCL of 18,796 µg/kg was 2.7E-6 (18,796 µg/kg/54,000 µg/kg × 7.9E-6), the total estimated residential cancer risk (without the 15 background PAHs) may be reduced by 5.2E-6 (7.9E-6 – 2.7E-6). Therefore, the estimated residential cancer risk (without background PAHs, but with the 95% UCL in surface soil for ethylbenzene) is 1.1E-5 (1.6E-5 – 5.2E-6). Although 1.1E-5 is slightly greater than NMED's target risk threshold of 1E-5, when rounded to one significant figure (as recommended for cancer risks per EPA 1989 [Page 8-12 and Exhibit 8-2]), it is considered equal to the NMED risk threshold. However, to be conservative, additional future hypothetical residential risk evaluation, including ethylbenzene in surface soil, is provided in the following three paragraphs.

The surface soil ethylbenzene EPC of 18,796 µg/kg is based on the 97.5 KM Chebyshev UCL statistic (**Appendix A-3**). Occasionally, ProUCL recommends the 97.5 or 99 percent upper confidence limit on the arithmetic mean estimated by the Chebyshev method. In these cases, the UCL estimated by the Chebyshev method (95th percent) may be selected as the EPC because this is more consistent with the intent of the reasonable maximum exposure paradigm as defined by EPA (1989; 1991). The 95 KM Chebyshev UCL statistics for ethylbenzene in surface soil is 13,745 µg/kg (**Appendix A-3**). As 13,745 µg/kg is lower than 18,796 µg/kg, the estimated future residential risk may be reduced, as estimated in the following paragraph.

As the estimated residential cancer risk for ethylbenzene using the maximum detected concentration of 54,000 µg/kg was 7.9E-6 (**Table 2**), and the estimated cancer risk associated with a surface soil 95% UCL (using the 95

KM Chebyshev statistic) of 13,745 µg/kg was 2.0E-6 (13,745 µg/kg/54,000 µg/kg × 7.9E-6), the total estimated residential cancer risk (without the 15 background PAHs) may be reduced by 5.9E-6 (7.9E-6 – 2.0E-6). Therefore, the estimated residential cancer risk (without background PAHs, but with the 95% KM Chebyshev UCL in surface soil for ethylbenzene) is 1.0E-5 (1.6E-5 – 5.9E-6). As 1.0E-5 does not exceed NMED's target risk threshold of 1E-5, future hypothetical residential risk including ethylbenzene in surface soil (not total sol) is acceptable.

When this revised estimate of future residential risk for organics in soil (1.0E-5) is considered for the combined risk evaluation (previously presented in **Table 7**), the cumulative cancer risk increases from 9.8E-6 to 1.1E-5. As 1.1E-5 slightly exceeds NMED's target risk threshold of 1E-5, further evaluation is performed, as a conservative approach. As the soil vapor VOC contributing the most to the total estimated VI risk was trichloroethene, and the risk was conservatively based on the maximum detected concentration of 920 µg/m^3 from a 10 foot bgs sample (127-SV05), a 95% UCL EPC was estimated for this VOC. Using the 10 soil vapor samples collected from the western portion of the site (**Figure 1**), that are within a 100 m^2 hypothetical future residence footprint, the estimated trichloroethene 95% UCL was 501 µg/m^3 (using the 10 foot bgs samples, that had higher concentrations than the 5 foot samples; **Appendix A-4**). Substituting this trichloroethene EPC for the maximum detected concentration used in the VI Model (**Appendix B-2**), the revised total estimated cancer risk is 4.4E-7. Therefore, the cumulative cancer risk for the site is 1.0E-5, using the ethylbenzene EPC for surface soil (discussed previously; 95 KM Chebyshev UCL) and the trichloroethene EPC for soil, as well as the maximum detected concentrations of all other COPCs (excluding background PAHs and metals). As 1.0E-5 does not exceed NMED's target risk threshold of 1E-5, future hypothetical residential risk for all COPCs in all media is acceptable (**Table 10**).

2.8.2 Comparison of the Size of the Site with a Future Residential Lot

The approximate area of SWMU 127 represented by soil samples is slightly less than ¼ acre (**Figure 1**). As a future residential lot could be ¼ acre in size, calculation of the ethylbenzene EPC using soil samples collected from across the site is thus not expected to underestimate the estimated risk. However, if a future residential lot is smaller than ¼ in size and is centered on the ethylbenzene soil hotspot (i.e., around soil sample CAN127-2710-0000), risks associated with this VOC's EPC would be expected to increase. However, due to the historical collection date of the ethylbenzene hotspot in soil (December 1994), this uncertainty is not considered significant because substantial degradation of this VOC over the past 20 would be expected.

As 10 of the 11 soil vapor sample locations in 2014 from the western portion of the site were purposefully selected to be from an area less than approximately 100 m^2 in size (the default size of a residential home footprint recommended for use in the VI Model), modeled VI risks using trichloroethene's EPC are considered appropriate. The one soil vapor sample location in the eastern portion of the site (127-SV01) had trichloroethene concentrations of 120 µg/m^3 and 180 µg/m^3 from 5 and 10 feet bgs, respectively. As both of these trichloroethene concentrations are lower than the western portion of the site EPCs of 148 µg/m^3 and 501 µg/m^3 (**Appendix A-4**), use of the 127-SV01 sample results as EPCs would not alter risk evaluation conclusions.

Note: other soil vapor VOC compounds (besides trichloroethene) are not addressed in this subsection because maximum detected concentrations were used in the risk evaluation.

2.8.3 Use of Soil Vapor Sample Results from Different Locations for Cumulative VI Pathway

For the vapor intrusion risk evaluation, maximum detected VOC concentrations in soil vapor, regardless of horizontal sample location, were initially used in the cumulative risk and hazard calculations (note: for a refined assessment, trichloroethene results were replaced with a 95% UCL EPC, as discussed previously). This approach is considered conservative because it assumes simultaneous indoor air exposure to maximum concentrations that occur at different locations. This conservative approach was selected because the majority of the VOC contamination occurred within the western portion of the site where 10 separate 5 ft. and 10 ft. depth samples were collected (as compared with the two sample depth samples collected from the eastern portion of the site (sample SV01; **Figure 1**). As these 20 depth-specific samples from the western portion of the site were purposefully selected to be from an area less than approximately 100 m^2 in size (the default size of a residential home footprint recommended for use in the VI Model), modeled VI risks and hazards using maximum concentrations are considered potentially realistic because soil vapor from the western site area might migrate into a single future home.

While six (of the twenty) maximum detected concentrations used in the VI assessment were from the eastern sample location, cumulative risks (and hazards), based on all twenty of the detected VOCs, are not considered to be overly conservative due to the very low estimated risks and hazards for these sample results, as shown below (from **Appendix B-1**):

Soil Vapor VOC	MDC ($\mu g/m^3$)	Sample Location	Estimated Risk	Estimated Hazard
Carbon tetrachloride	0.76	SV01-5 ft	8.6E-10	0.0000033
Acetone	420	SV01-5 ft	NA	0.0000075
Chloromethane	1.6	SV01-5 ft	NA	0.0000063
2-Hexanone	4.8	SV01-5 ft	No toxicity data	No toxicity data
4-Methyl-2-pentanone	6.1	SV01-5 ft	NA	0.00000050
Chloroethane	1.0	SV01-5 ft	NA	0.00000033

3.0 Ecological Risk Evaluation

Using the Ecological Site Exclusion Criteria Decision Tree (Attachment B to Volume 2 of Risk Assessment Guidance for Investigations and Remediation; NMED, 2012), no sensitive areas exist at or adjacent to SWMU 127, the site does not contain other land areas which could be considered viable ecological habitat, and the site does not contain any perennial or ephemeral aquatic features. As no viable ecological habitat exists at the site and with the site's relative close proximity to the active flight line and other industrial facilities, no ecological receptors are expected to be present, and therefore, ecological risks are not a concern. Therefore, a detailed ecological assessment is not warranted.

4.0 References

Cannon Air Force Base, 1997, Cannon Air Force Base Background Study.

EPA, 2014. ProUCL Software, Version 5.0.00. http://www.epa.gov/osp/hstl/tsc/software.htm

EPA, 2013, Regional Screening Levels (RSL) Table. Developed by Oak Ridge National Laboratory under Interagency Agreement with USEPA, May. http://www.epa.gov/region9/superfund/prg/

EPA, 1991, Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual Supplemental Guidance, Standard Default Exposure Factors, Interim Final, Office of Solid Waste and Emergency Response, OSWER Directive: 9285.6-03.

EPA, 1989, Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A), Interim Final, Office of Emergency and Remedial Response, Washington, D.C., EPA/540/1-89/002.

New Mexico Environmental Department (NMED), 2012, Risk Assessment Guidance for Site Investigations and Remediation, Hazardous Waste Bureau and Ground Water Quality Bureau Voluntary Remediation Program, February.

5.0 Conclusions

For your review, we have attached backup files on a compact disk with the ProUCL input and output files (**Appendix A**), as well as the Johnson & Ettinger Model input and output files (**Appendix B**). 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,

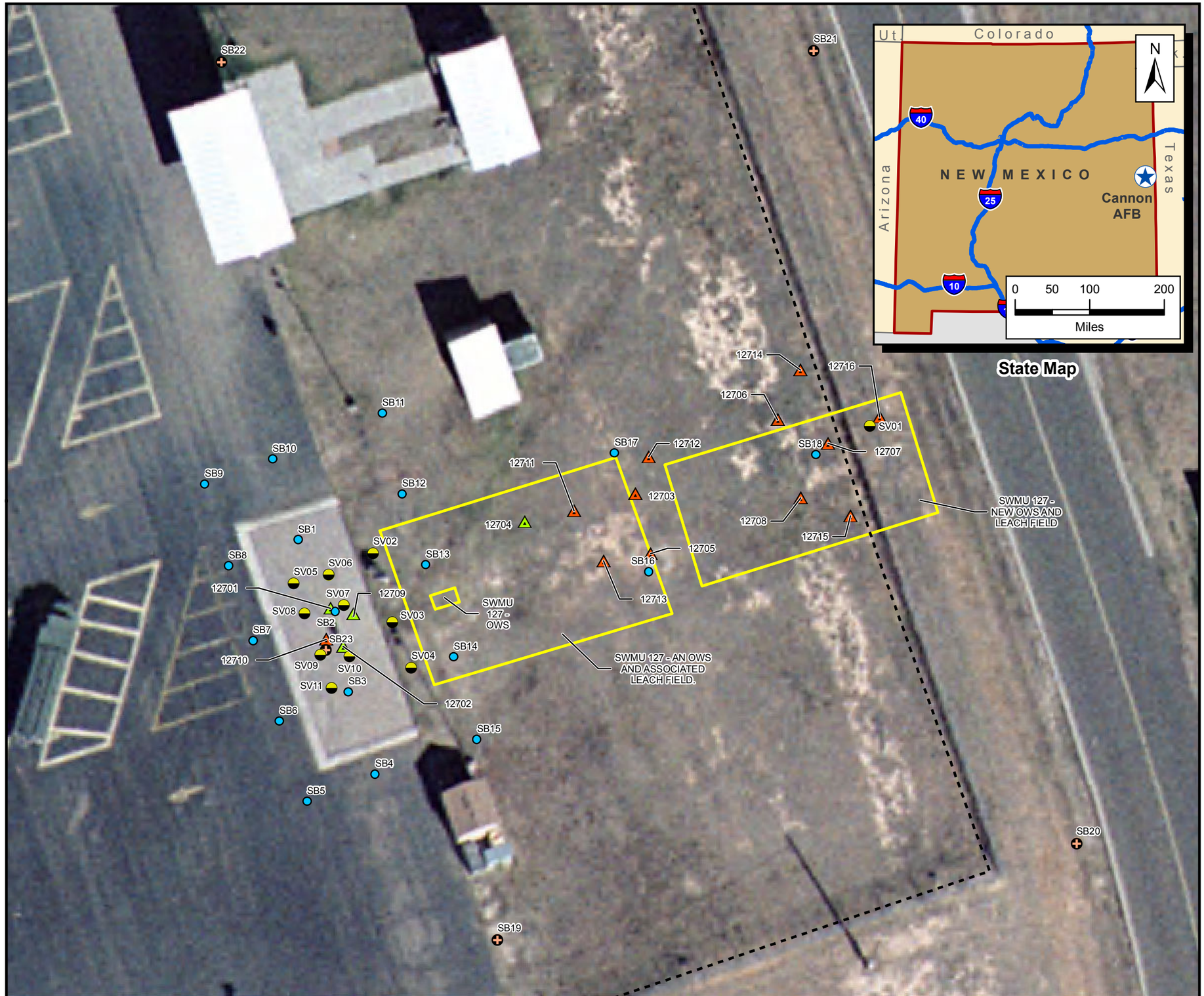
William A. Foss
CB&I Technical Lead – Cannon AFB, Midwest PBR

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

Attachments: Figure 1 – SWMU 127 Sampling Locations
Figure 2 – SWMU 127 Sample Locations with Exceedances

Table 1 – Summary of 1993, 1994, and 2008 Soil Analytical Results for SWMU 127
Table 2 – Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Table 3 – Background Upper Tolerance Limit Summary, PAHs in Surface Soil, SWMU 127
Table 4 – Comparison of Maximum Detected Concentrations of PAH Risk Drivers in Soil with Site-Specific Background Concentrations, SWMU 127
Table 5 – Cumulative Risk and Hazard Calculations for Metals in Soil, SWMU 127
Table 6 – Detected Soil Vapor Results, SWMU 127

Table 7 - Cumulative Risks and Hazards, Future Residential Land Use Scenario, All Media, SWMU 127
Table 8 - Soil Leaching Evaluation – Organics at SWMU 127
Table 9 - Soil Leaching Evaluation – Metals at SWMU 127
Table 10 - Cumulative Risks for Uncertainty Analysis, Future Residential Land Use Scenario, All Media, SWMU 127
Table 11 – Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127 (on CD)
Appendix A - Pro-UCL Input and Output Files (on CD)
Appendix B - Johnson & Ettinger Vapor Intrusion Model Input and Output Files (on CD)
Appendix C – 2014 Soil and Soil Vapor Sample Analytical Results (on CD)



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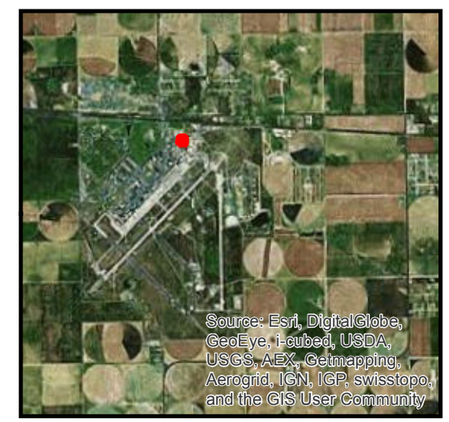
LEGEND

- Soil Sample Location
- Soil Vapor Sample Location
- Voluntary Corrective Measure Sample Location (2008)
- Remedial Investigation Sample Location (1993/1994) with Exceedance of NMED SSL
- Remedial Investigation Sample Location (1993/1994)
- Fence Line
- SWMU 127 OWS and Leachfield Boundary
- SB-19 through SB-22 are PAH Background Soil Sample Locations and SB-23 was collected for TPH confirmation analysis

OWS = Oil/Water Separator
SWMU = Solid Waste Management Unit



SITE LOCATION

N

0 12.5 25 50 Feet

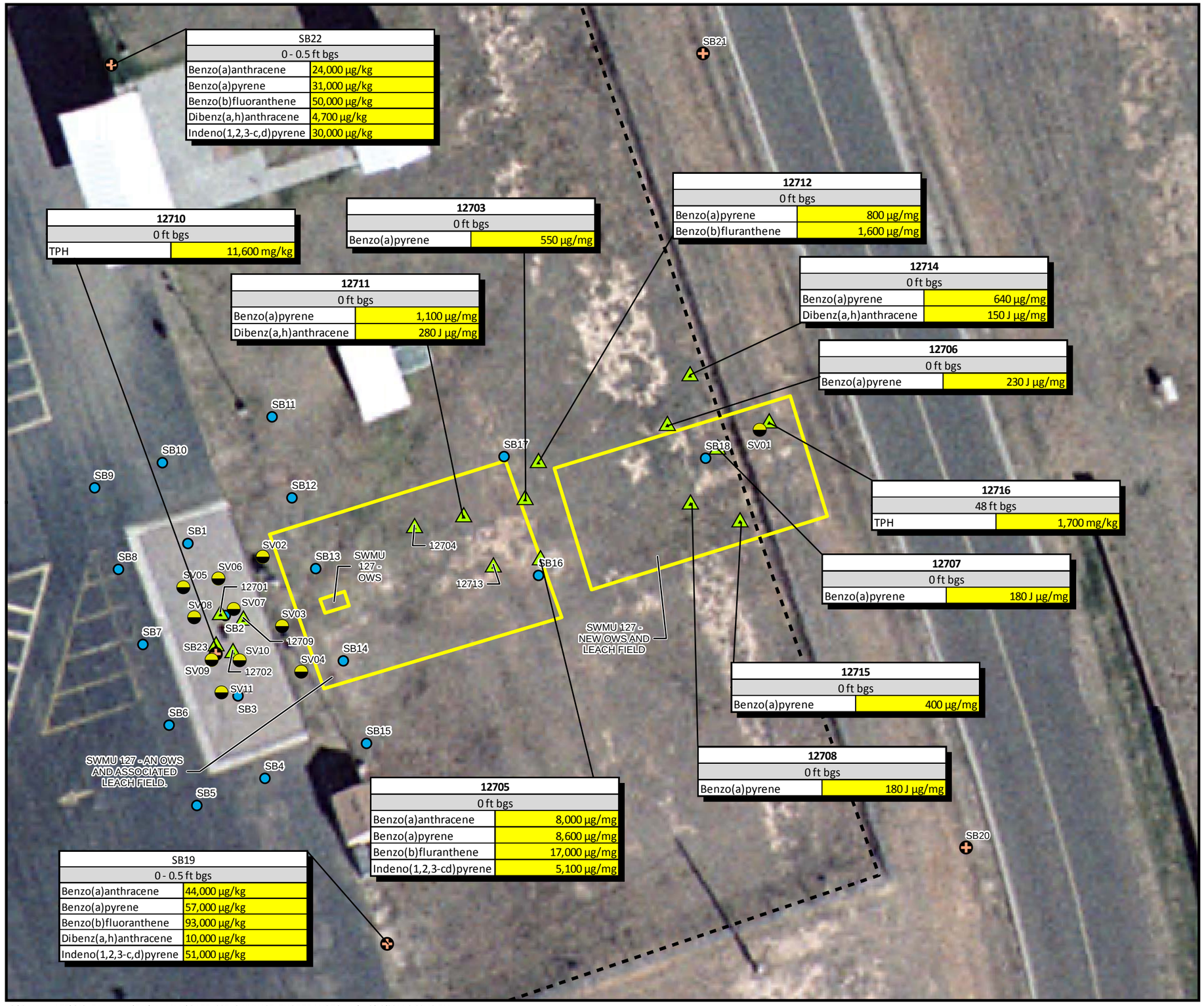
0 2.5 5 10 Meters

CANNON AIR FORCE BASE, NEW MEXICO

POL WASH PAD (SWMU 127)

FIGURE 1

SAMPLING LOCATIONS



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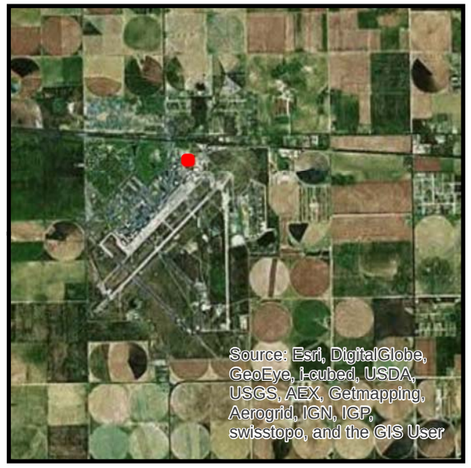
LEGEND

- Soil Sample Location
- Soil Vapor Sample Location
- Remedial Investigation Sample Location (1993/1994)
- Voluntary Corrective Measure Sample Location (2008)
- Fence Line
- SWMU 127 OWS and Leachfield Boundary
- Highlighted Result Indicates Exceedance of NMED Residential SSL

ft bgs = feet below ground surface
NMED = New Mexico Environment Department
OWS = Oil/Water Separator
PAH = Polyaromatic Hydrocarbon
SSL = Soil Screening Limit
SWMU = Solid Waste Management Unit
µg/mg = micrograms per milligram



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

SAMPLE LOCATIONS WITH EXCEEDANCES

Table 1
SWMU 127 POL Wash Pad
Summary of 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Analyte	Maximum Detected Concentration			NMED SSL Concentration [d]		Units	Frequency of Detection	Number of Samples that Exceed the NMED Residential SSL
	Result	RL	Qual	Residential	Industrial			
Acetone	7.50E+03	1.40E+04	J	6.66E+07	8.68E+08	ug/kg	31 of 141	NA
Benzene	3.80E+03	7.20E+03	J	1.54E+04	8.47E+04	ug/kg	2 of 141	NA
Bromodichloromethane	ND	--	--	5.41E+03	3.01E+04	ug/kg	0 of 141	NA
Bromoform [e]	ND	--	--	6.20E+04	2.20E+05	ug/kg	0 of 141	NA
Bromomethane	ND	--	--	1.65E+04	8.65E+04	ug/kg	0 of 141	NA
2-Butanone (MEK)	6.20E+01	1.10E+01	J	3.71E+07	3.75E+08	ug/kg	4 of 141	NA
Carbon disulfide	ND	--	--	1.53E+06	8.33E+06	ug/kg	0 of 141	NA
Carbon tetrachloride	2.70E+00	5.80E+00	J	1.08E+04	5.98E+04	ug/kg	1 of 141	NA
Chlorobenzene	1.30E+00	5.80E+00	J	3.76E+05	2.12E+06	ug/kg	2 of 141	NA
Chloroethane (ethyl chloride) [e]	ND	--	--	1.50E+07	6.10E+07	ug/kg	0 of 141	NA
Chloroform	ND	--	--	5.86E+03	3.27E+04	ug/kg	0 of 141	NA
Chloromethane	ND	--	--	2.75E+05	1.29E+06	ug/kg	0 of 141	NA
Dibromochloromethane	ND	--	--	1.21E+04	6.24E+04	ug/kg	0 of 141	NA
1,1-Dichloroethane	ND	--	--	6.45E+04	3.59E+05	ug/kg	0 of 141	NA
1,2-Dichloroethane	1.90E+00	5.20E+00	J	7.89E+03	4.35E+04	ug/kg	1 of 141	NA
1,1-Dichloroethene	1.90E+00	5.80E+00	J	4.49E+05	2.29E+06	ug/kg	1 of 141	NA
1,2-Dichloroethene (total)	1.30E+00	5.80E+00	J	NE	NE	ug/kg	1 of 141	NA
1,2-Dichloropropane	1.30E+01	5.40E+00		1.52E+04	8.44E+04	ug/kg	4 of 141	NA
cis-1,3-Dichloropropene	ND	--	--	NE	NE	ug/kg	0 of 141	NA
trans-1,3-Dichloropropene	ND	--	--	NE	NE	ug/kg	0 of 141	NA
Ethylbenzene	5.40E+04	7.20E+03		6.84E+04	3.78E+05	ug/kg	4 of 141	NA
2-Hexanone [e]	ND	--	--	2.10E+05	1.40E+06	ug/kg	0 of 141	NA
4-Methyl-2-pentanone (MIBK)	3.30E+00	1.10E+01	J	5.82E+06	7.38E+07	ug/kg	1 of 141	NA
Methylene chloride	9.10E+00	5.50E+00		4.09E+05	4.70E+06	ug/kg	47 of 141	NA
Styrene	ND	--	--	7.28E+06	5.00E+07	ug/kg	0 of 141	NA
1,1,2,2-Tetrachloroethane	ND	--	--	8.02E+03	4.35E+04	ug/kg	0 of 141	NA
Tetrachloroethene	2.90E+00	5.80E+00	J	7.02E+03	3.66E+04	ug/kg	1 of 141	NA
Toluene	8.20E+04	5.80E+00		5.27E+06	5.77E+07	ug/kg	30 of 141	NA
1,1,1-Trichloroethane	1.80E+00	5.80E+00	J	1.56E+07	7.89E+07	ug/kg	1 of 141	NA
1,1,2-Trichloroethane	ND	--	--	2.81E+03	1.33E+04	ug/kg	0 of 141	NA
Trichloroethene	2.30E+00	5.80E+00	J	8.77E+03	4.13E+04	ug/kg	1 of 141	NA
Vinyl acetate	ND	--	--	2.56E+06	1.23E+07	ug/kg	0 of 141	NA
Vinyl chloride	ND	--	--	7.28E+02	2.61E+04	ug/kg	0 of 141	NA
Xylenes (total)	2.60E+05	5.20E+00		8.14E+05	3.98E+06	ug/kg	8 of 141	NA
Acenaphthene	1.50E+02	1.40E+03	J	3.44E+06	3.67E+07	ug/kg	2 of 127	NA
Acenaphthylene	7.80E+01	2.20E+02	J	NE	NE	ug/kg	5 of 127	NA
Anthracene	1.00E+02	3.50E+02	J	1.72E+07	1.83E+08	ug/kg	7 of 127	NA
Benzo(a)anthracene	**8.00E+03**	1.40E+03		1.48E+03	2.34E+04	ug/kg	33 of 127	1
Benzo(a)pyrene	**8.60E+03**	1.40E+03		1.48E+02	2.34E+03	ug/kg	35 of 127	1
Benzo(b)fluoranthene	**1.70E+04**	1.40E+03		1.48E+03	2.34E+04	ug/kg	31 of 127	3
Benzo(g,h,i)perylene	5.10E+03	1.40E+03		NE	NE	ug/kg	29 of 127	NA
Benzo(k)fluoranthene	1.60E+03	1.10E+01		1.48E+04	2.34E+05	ug/kg	23 of 127	NA

Table 1
SWMU 127 POL Wash Pad
Summary of 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Analyte	Maximum Detected Concentration			NMED SSL Concentration [d]		Units	Frequency of Detection	Number of Samples that Exceed the NMED Residential SSL
	Result	RL	Qual	Residential	Industrial			
Benzoic acid [e]	4.80E+01	1.80E+03	J	2.40E+05	2.50E+06	ug/kg	1 of 90	NA
Benzyl alcohol [e]	ND	--	--	6.10E+06	6.20E+07	ug/kg	0 of 106	NA
bis(2-Chloroethoxy) methane [e]	ND	--	--	1.80E+05	1.80E+06	ug/kg	0 of 106	NA
bis(2-Chloroethyl) ether	ND	--	--	2.68E+03	1.42E+04	ug/kg	0 of 106	NA
bis(2-Chloroisopropyl) ether	ND	--	--	9.15E+04	4.54E+05	ug/kg	0 of 106	NA
bis(2-Ethylhexyl) phthalate	1.30E+04	1.40E+03		3.47E+05	1.37E+06	ug/kg	25 of 106	NA
4-Bromophenyl phenyl ether	ND	--	--	NE	NE	ug/kg	0 of 106	NA
Butyl benzyl phthalate	1.10E+02	3.80E+02	J	2.60E+05	9.10E+05	ug/kg	2 of 106	NA
Carbazole	1.50E+03	1.40E+03		NE	NE	ug/kg	8 of 106	NA
4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [e]	ND	--	--	6.10E+06	6.20E+07	ug/kg	0 of 106	NA
4-Chloroaniline [e]	ND	--	--	2.40E+03	8.60E+03	ug/kg	0 of 106	NA
2-Chloronaphthalene	ND	--	--	6.26E+06	9.08E+07	ug/kg	0 of 106	NA
2-Chlorophenol	ND	--	--	3.91E+05	5.68E+06	ug/kg	0 of 106	NA
4-Chlorophenyl phenyl ether	ND	--	--	NE	NE	ug/kg	0 of 106	NA
Chrysene	1.40E+04	1.40E+03		1.48E+05	2.34E+06	ug/kg	36 of 127	NA
Di-n-butyl phthalate [e]	1.90E+02	3.80E+02	J	6.10E+06	6.20E+07	ug/kg	10 of 106	NA
Di-n-octyl phthalate [e]	3.10E+02	3.70E+02	J	6.10E+05	6.20E+06	ug/kg	2 of 106	NA
Dibenz(a,h)anthracene	**3.10E+02**	2.20E+01		1.48E+02	2.34E+03	ug/kg	16 of 127	1
Dibenzofuran	ND	--	--	NE	NE	ug/kg	0 of 106	NA
1,2-Dichlorobenzene	ND	--	--	2.31E+06	1.40E+07	ug/kg	0 of 106	NA
1,3-Dichlorobenzene	ND	--	--	NE	NE	ug/kg	0 of 106	NA
1,4-Dichlorobenzene	ND	--	--	3.17E+04	1.77E+05	ug/kg	0 of 106	NA
2,4-Dichlorophenol	ND	--	--	1.83E+05	2.05E+06	ug/kg	0 of 106	NA
3,3'-Dichlorobenzidine	ND	--	--	1.08E+04	4.26E+04	ug/kg	0 of 106	NA
Diethyl phthalate	4.60E+01	3.60E+02	J	4.89E+07	5.47E+08	ug/kg	1 of 106	NA
2,4-Dimethylphenol	ND	--	--	1.22E+06	1.37E+07	ug/kg	0 of 106	NA
Dimethyl phthalate	ND	--	--	6.11E+08	6.84E+09	ug/kg	0 of 106	NA
4,6-Dinitro-2-methylphenol	ND	--	--	4.89E+03	5.47E+04	ug/kg	0 of 106	NA
2,4-Dinitrophenol	ND	--	--	1.22E+05	1.37E+06	ug/kg	0 of 106	NA
2,4-Dinitrotoluene	ND	--	--	1.57E+04	6.18E+04	ug/kg	0 of 106	NA
2,6-Dinitrotoluene	ND	--	--	6.11E+04	6.84E+05	ug/kg	0 of 106	NA
Fluoranthene	1.70E+04	1.40E+03		2.29E+06	2.44E+07	ug/kg	32 of 127	NA
Fluorene	2.90E+02	1.40E+03	J	2.29E+06	2.44E+07	ug/kg	2 of 127	NA
Hexachlorobenzene	ND	--	--	3.04E+03	1.20E+04	ug/kg	0 of 106	NA
Hexachlorobutadiene	ND	--	--	6.11E+04	2.46E+05	ug/kg	0 of 106	NA
Hexachlorocyclopentadiene	ND	--	--	3.67E+05	4.10E+06	ug/kg	0 of 106	NA
Hexachloroethane	ND	--	--	4.28E+04	4.79E+05	ug/kg	0 of 106	NA
Indeno(1,2,3-cd)pyrene	**5.10E+03**	1.40E+03		1.48E+03	2.34E+04	ug/kg	31 of 127	1
Isophorone	ND	--	--	5.12E+06	1.37E+08	ug/kg	0 of 106	NA
2-Methylnaphthalene [e]	4.00E+04	3.50E+02	J	2.30E+05	2.20E+06	ug/kg	3 of 106	NA
2-Methylphenol (o-cresol) [e]	ND	--	--	3.10E+06	3.10E+07	ug/kg	0 of 106	NA
3/4-Methylphenol	ND	--	--	NE	NE	ug/kg	0 of 106	NA
Naphthalene	2.10E+04	3.80E+04	J	4.30E+04	2.41E+05	ug/kg	1 of 127	NA
2-Nitroaniline [e]	ND	--	--	6.10E+05	6.00E+06	ug/kg	0 of 106	NA

Table 1
SWMU 127 POL Wash Pad
Summary of 1993[a], 1994[b], and 2008[c] Soil Analytical Results
Cannon Air Force Base, New Mexico

Analyte	Maximum Detected Concentration			NMED SSL Concentration [d]		Units	Frequency of Detection	Number of Samples that Exceed the NMED Residential SSL
	Result	RL	Qual	Residential	Industrial			
3-Nitroaniline	ND	--	--	NE	NE	ug/kg	0 of 106	NA
4-Nitroaniline [e]	ND	--	--	2.40E+04	8.60E+05	ug/kg	0 of 106	NA
Nitrobenzene	ND	--	--	5.35E+04	3.00E+05	ug/kg	0 of 106	NA
2-Nitrophenol	ND	--	--	NE	NE	ug/kg	0 of 106	NA
4-Nitrophenol	ND	--	--	NE	NE	ug/kg	0 of 106	NA
N-Nitroso-di-n-propylamine [e]	ND	--	--	6.90E+01	2.50E+02	ug/kg	0 of 106	NA
N-Nitrosodiphenylamine	ND	--	--	9.93E+05	3.91E+06	ug/kg	0 of 106	NA
Pentachlorophenol	ND	--	--	8.94E+03	3.00E+04	ug/kg	0 of 106	NA
Phenanthrene	8.10E+03	1.40E+03		1.83E+06	2.05E+07	ug/kg	31 of 127	NA
Phenol	ND	--	--	1.83E+07	2.05E+08	ug/kg	0 of 106	NA
Pyrene	1.70E+04	1.40E+03		1.72E+06	1.83E+07	ug/kg	34 of 127	NA
1,2,4-Trichlorobenzene	ND	--	--	7.30E+04	3.67E+05	ug/kg	0 of 106	NA
2,4,5-Trichlorophenol	ND	--	--	6.11E+06	6.84E+07	ug/kg	0 of 106	NA
2,4,6-Trichlorophenol	ND	--	--	6.11E+04	6.84E+05	ug/kg	0 of 106	NA
Total Petroleum Hydrocarbons	**1.16E+04**	8.39E+01		1.00E+03	1.00E+03	mg/kg	33 of 62	1
TPH-Diesel Range Organics [f]	2.60E+01	1.20E+01		1.00E+03	1.00E+03	mg/kg	1 of 21	NA
TPH-Oil Range Organics [f]	1.70E+01	2.40E+01	J	1.00E+03	1.00E+03	mg/kg	6 of 21	NA
TPH-Gasoline Range Organics [f]	ND	--	--	1.00E+03	1.00E+03	mg/kg	0 of 21	NA
Aluminum	1.47E+04			7.80E+04	1.13E+06	mg/kg	79 of 79	NA
Antimony	0.00E+00			3.13E+01	4.54E+02	mg/kg	1 of 79	NA
Arsenic	3.00E+00			3.90E+00	1.77E+01	mg/kg	79 of 79	NA
Barium	1.54E+03			1.56E+04	2.23E+05	mg/kg	79 of 79	NA
Beryllium	7.60E-01			1.56E+02	2.26E+03	mg/kg	74 of 79	NA
Cadmium	7.70E-01			7.03E+01	8.97E+02	mg/kg	2 of 79	NA
Calcium	1.80E+06			NE	NE	mg/kg	79 of 79	NA
Chromium	2.14E+01			1.17E+05	1.70E+06	mg/kg	77 of 79	NA
Cobalt	8.00E+00			NE	NE	mg/kg	72 of 79	NA
Copper	4.58E+01			3.13E+03	4.54E+04	mg/kg	77 of 79	NA
Iron	1.15E+04			5.48E+04	7.95E+05	mg/kg	79 of 79	NA
Lead	1.28E+02			4.00E+02	8.00E+02	mg/kg	79 of 79	NA
Magnesium	1.50E+04			NE	NE	mg/kg	79 of 79	NA
Manganese	3.40E+02			1.86E+03	2.67E+04	mg/kg	79 of 79	NA
Mercury	0.00E+00			1.56E+01	7.36E+01	mg/kg	0 of 79	NA
Nickel	1.36E+01			1.56E+03	2.25E+04	mg/kg	79 of 79	NA
Potassium	3.23E+03			NE	NE	mg/kg	79 of 162	NA
Selenium	2.50E-01			3.91E+02	5.68E+03	mg/kg	11 of 79	NA
Silver	0.00E+00			3.91E+02	5.68E+03	mg/kg	0 of 79	NA
Sodium	5.21E+02			NE	NE	mg/kg	2 of 79	NA
Thallium	3.80E-01			7.82E-01	1.14E+01	mg/kg	19 of 79	NA
Vanadium	2.32E+01			3.91E+02	5.68E+03	mg/kg	79 of 79	NA
Zinc	4.11E+01			2.35E+04	3.41E+05	mg/kg	79 of 79	NA

Table 1
SWMU 127 POL Wash Pad
Summary of 1993a, 1994b, and 2008c 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

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
Acetone	Result (ug/kg)	7.50E+03	6.66E+07	8.68E+08	N		0.0001		0.000009
	RL (ug/kg)	1.40E+04							
	Qual	J							
Benzene	Result (ug/kg)	3.80E+03	1.54E+04	8.47E+04	C	2.5E-06		4.5E-07	
	RL (ug/kg)	7.20E+03							
	Qual	J							
Bromodichloro-methane	Result (ug/kg)	ND	5.41E+03	3.01E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Bromoform [b]	Result (ug/kg)	ND	6.20E+05	2.20E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Bromomethane	Result (ug/kg)	ND	1.65E+04	8.65E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
2-Butanone (MEK)	Result (ug/kg)	6.20E+01	3.71E+07	3.75E+08	N		0.000002		0.0000002
	RL (ug/kg)	1.10E+01							
	Qual	J							
Carbon disulfide	Result (ug/kg)	ND	1.53E+06	8.33E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Carbon tetrachloride	Result (ug/kg)	2.70E+00	1.08E+04	5.98E+04	C	2.5E-09		4.5E-10	
	RL (ug/kg)	5.80E+00							
	Qual	J							
Chlorobenzene	Result (ug/kg)	1.30E+00	3.76E+05	2.12E+06	N		0.000003		0.0000006
	RL (ug/kg)	5.80E+00							
	Qual	J							

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
Chloroethane (ethyl chloride) [b]	Result (ug/kg)	ND	1.50E+07	6.10E+07	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Chloroform	Result (ug/kg)	ND	5.86E+03	3.27E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Chloromethane	Result (ug/kg)	ND	2.75E+05	1.29E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Dibromochloro-methane	Result (ug/kg)	ND	1.21E+04	6.24E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
1,1-Dichloroethane	Result (ug/kg)	ND	6.45E+04	3.59E+05	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
1,2-Dichloroethane	Result (ug/kg)	1.90E+00	7.89E+03	4.35E+04	C	2.4E-09		4.4E-10	
	RL (ug/kg)	5.20E+00							
	Qual	J							
1,1-Dichloroethene	Result (ug/kg)	1.90E+00	4.49E+05	2.29E+06	N		0.000004		0.0000008
	RL (ug/kg)	5.80E+00							
	Qual	J							
1,2-Dichloroethene (total) (assumed cis-1,2-DCE) [b]	Result (ug/kg)	1.30E+00	1.56E+05	2.27E+06	N		0.000008		0.0000006
	RL (ug/kg)	5.80E+00							
	Qual	J							
1,2-Dichloropropane	Result (ug/kg)	1.30E+01	1.52E+04	8.44E+04	C	8.6E-09		1.5E-09	
	RL (ug/kg)	5.40E+00							
	Qual								

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
cis-1,3-Dichloropropene	Result (ug/kg)	ND	NE	NE	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
trans-1,3-Dichloropropene	Result (ug/kg)	ND	NE	NE	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Ethylbenzene	Result (ug/kg)	5.40E+04	6.84E+04	3.78E+05	C	7.9E-06		1.4E-06	
	RL (ug/kg)	7.20E+03							
	Qual								
2-Hexanone [b]	Result (ug/kg)	ND	2.10E+05	1.40E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
4-Methyl-2-pentanone (MIBK)	Result (ug/kg)	3.30E+00	5.82E+06	7.38E+07	N		0.000001		0.00000004
	RL (ug/kg)	1.10E+01							
	Qual	J							
Methylene chloride	Result (ug/kg)	9.10E+00	4.09E+05	4.70E+06	N		0.00002		0.000002
	RL (ug/kg)	5.50E+00							
	Qual								
Styrene	Result (ug/kg)	ND	7.28E+06	5.00E+07	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
1,1,2,2-Tetrachloro-ethane	Result (ug/kg)	ND	8.02E+03	4.35E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Tetrachloro-ethene	Result (ug/kg)	2.90E+00	7.02E+03	3.66E+04	C	4.1E-09		7.9E-10	
	RL (ug/kg)	5.80E+00							
	Qual	J							

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
Toluene	Result (ug/kg)	8.20E+04	5.27E+06	5.77E+07	N		0.02		0.001
	RL (ug/kg)	5.80E+00							
	Qual								
1,1,1-Trichloroethane	Result (ug/kg)	1.80E+00	1.56E+07	7.89E+07	N		0.0000001		0.00000002
	RL (ug/kg)	5.80E+00							
	Qual	J							
1,1,2-Trichloroethane	Result (ug/kg)	ND	2.81E+03	1.33E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Trichloroethene	Result (ug/kg)	2.30E+00	8.77E+03	4.13E+04	N		0.0003		0.00006
	RL (ug/kg)	5.80E+00							
	Qual	J							
Vinyl acetate	Result (ug/kg)	ND	2.56E+06	1.23E+07	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Vinyl chloride	Result (ug/kg)	ND	7.28E+02	2.61E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Xylenes (total)	Result (ug/kg)	2.60E+05	8.14E+05	3.98E+06	N		0.32		0.07
	RL (ug/kg)	5.20E+00							
	Qual								
Acenaphthene	Result (ug/kg)	1.50E+02	3.44E+06	3.67E+07	N		0.00004		0.000004
	RL (ug/kg)	1.40E+03							
	Qual	J							
Acenaphthylene	Result (ug/kg)	7.80E+01	NE	NE	--	NE	NE	NE	NE
	RL (ug/kg)	2.20E+02							
	Qual	J							

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
Anthracene	Result (ug/kg)	1.00E+02	1.72E+07	1.83E+08	N		0.000006		0.0000005
	RL (ug/kg)	3.50E+02							
	Qual	J							
Benzo(a)-anthracene	Result (ug/kg)	8.00E+03	1.48E+03	2.34E+04	C	5.4E-05		3.4E-06	
	RL (ug/kg)	1.40E+03							
	Qual								
Benzo(a)pyrene	Result (ug/kg)	8.60E+03	1.48E+02	2.34E+03	C	5.8E-04		3.7E-05	
	RL (ug/kg)	1.40E+03							
	Qual								
Benzo(b)-fluoranthene	Result (ug/kg)	1.70E+04	1.48E+03	2.34E+04	C	1.1E-04		7.3E-06	
	RL (ug/kg)	1.40E+03							
	Qual								
Benzo(g,h,i)-perylene	Result (ug/kg)	5.10E+03	NE	NE	--	NE	NE	NE	NE
	RL (ug/kg)	1.40E+03							
	Qual								
Benzo(k)-fluoranthene	Result (ug/kg)	1.60E+03	1.48E+04	2.34E+05	C	1.1E-06		6.8E-08	
	RL (ug/kg)	1.10E+01							
	Qual								
Benzoic acid [b]	Result (ug/kg)	4.80E+01	2.40E+05	2.50E+06	N		0.0002		0.00002
	RL (ug/kg)	1.80E+03							
	Qual	J							
Benzyl alcohol [b]	Result (ug/kg)	ND	6.10E+06	6.20E+07	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
bis(2-Chloroethoxy) methane [b]	Result (ug/kg)	ND	1.80E+05	1.80E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
bis(2-Chloroethyl) ether	Result (ug/kg)	ND	2.68E+03	1.42E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
bis(2-Chloroisopropyl) ether	Result (ug/kg)	ND	9.15E+04	4.54E+05	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
bis(2-Ethylhexyl) phthalate	Result (ug/kg)	1.30E+04	3.47E+05	1.37E+06	C	3.7E-07		9.5E-08	
	RL (ug/kg)	1.40E+03							
	Qual								
4-Bromophenyl phenyl ether	Result (ug/kg)	ND	NE	NE	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Butyl benzyl phthalate [b]	Result (ug/kg)	1.10E+02	2.60E+06	9.10E+06	C	4.2E-10		1.2E-10	
	RL (ug/kg)	3.80E+02							
	Qual	J							
Carbazole	Result (ug/kg)	1.50E+03	NE	NE	--	NE	NE	NE	NE
	RL (ug/kg)	1.40E+03							
	Qual								
4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [b]	Result (ug/kg)	ND	6.10E+06	6.20E+07	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
4-Chloroaniline [b]	Result (ug/kg)	ND	2.40E+04	8.60E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
2-Chloro-naphthalene	Result (ug/kg)	ND	6.26E+06	9.08E+07	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
2-Chlorophenol	Result (ug/kg)	ND	3.91E+05	5.68E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
4-Chlorophenyl phenyl ether	Result (ug/kg)	ND	NE	NE	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Chrysene	Result (ug/kg)	1.40E+04	1.48E+05	2.34E+06	C	9.5E-07		6.0E-08	
	RL (ug/kg)	1.40E+03							
	Qual								
Di-n-butyl phthalate [b]	Result (ug/kg)	1.90E+02	6.10E+06	6.20E+07	N		0.00003		0.000003
	RL (ug/kg)	3.80E+02							
	Qual	J							
Di-n-octyl phthalate [b]	Result (ug/kg)	3.10E+02	6.10E+05	6.20E+06	N		0.0005		0.00005
	RL (ug/kg)	3.70E+02							
	Qual	J							
Dibenz(a,h)-anthracene	Result (ug/kg)	3.10E+02	1.48E+02	2.34E+03	C	2.1E-05		1.3E-06	
	RL (ug/kg)	2.20E+01							
	Qual								
Dibenzofuran [b]	Result (ug/kg)	ND	7.80E+04	1.00E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
1,2-Dichlorobenzene	Result (ug/kg)	ND	2.31E+06	1.40E+07	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
1,3-Dichlorobenzene	Result (ug/kg)	ND	NE	NE	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
1,4-Dichlorobenzene	Result (ug/kg)	ND	3.17E+04	1.77E+05	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
2,4-Dichlorophenol	Result (ug/kg)	ND	1.83E+05	2.05E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
3,3'-Dichlorobenzidine	Result (ug/kg)	ND	1.08E+04	4.26E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Diethyl phthalate	Result (ug/kg)	4.60E+01	4.89E+07	5.47E+08	N		0.000001		0.00000008
	RL (ug/kg)	3.60E+02							
	Qual	J							
2,4-Dimethylphenol	Result (ug/kg)	ND	1.22E+06	1.37E+07	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Dimethyl phthalate	Result (ug/kg)	ND	6.11E+08	6.84E+09	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
4,6-Dinitro-2-methylphenol	Result (ug/kg)	ND	4.89E+03	5.47E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
2,4-Dinitrophenol	Result (ug/kg)	ND	1.22E+05	1.37E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
2,4-Dinitrotoluene	Result (ug/kg)	ND	1.57E+04	6.18E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
2,6-Dinitrotoluene	Result (ug/kg)	ND	6.11E+04	6.84E+05	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Fluoranthene	Result (ug/kg)	1.70E+04	2.29E+06	2.44E+07	N		0.007		0.0007
	RL (ug/kg)	1.40E+03							
	Qual								
Fluorene	Result (ug/kg)	2.90E+02	2.29E+06	2.44E+07	N		0.0001		0.00001
	RL (ug/kg)	1.40E+03							
	Qual	J							
Hexachloro-benzene	Result (ug/kg)	ND	3.04E+03	1.20E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Hexachloro-butadiene	Result (ug/kg)	ND	6.11E+04	2.46E+05	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Hexachlorocyclo-pentadiene	Result (ug/kg)	ND	3.67E+05	4.10E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Hexachloro-ethane	Result (ug/kg)	ND	4.28E+04	4.79E+05	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Indeno(1,2,3-cd)pyrene	Result (ug/kg)	5.10E+03	1.48E+03	2.34E+04	C	3.4E-05		2.2E-06	
	RL (ug/kg)	1.40E+03							
	Qual								
Isophorone	Result (ug/kg)	ND	5.12E+06	1.37E+08	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
2-Methyl-naphthalene [b]	Result (ug/kg)	4.00E+04	2.30E+05	2.20E+06	N		0.17		0.02
	RL (ug/kg)	3.50E+02							
	Qual	J							
2-Methylphenol (o-cresol) [b]	Result (ug/kg)	ND	3.10E+06	3.10E+07	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
3/4-Methylphenol	Result (ug/kg)	ND	NE	NE	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Naphthalene	Result (ug/kg)	2.10E+04	4.30E+04	2.41E+05	C	4.9E-06		8.7E-07	
	RL (ug/kg)	3.80E+04							
	Qual	J							
2-Nitroaniline [b]	Result (ug/kg)	ND	6.10E+05	6.00E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
3-Nitroaniline	Result (ug/kg)	ND	NE	NE	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
4-Nitroaniline [b]	Result (ug/kg)	ND	2.40E+05	8.60E+05	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Nitrobenzene	Result (ug/kg)	ND	5.35E+04	3.00E+05	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
2-Nitrophenol	Result (ug/kg)	ND	NE	NE	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
4-Nitrophenol	Result (ug/kg)	ND	NE	NE	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
N-Nitroso-di-n-propylamine [b]	Result (ug/kg)	ND	6.90E+02	2.50E+03	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
N-Nitrosodi-phenylamine	Result (ug/kg)	ND	9.93E+05	3.91E+06	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Pentachloro-phenol	Result (ug/kg)	ND	8.94E+03	3.00E+04	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Phenanthrene	Result (ug/kg)	8.10E+03	1.83E+06	2.05E+07	N		0.004		0.0004
	RL (ug/kg)	1.40E+03							
	Qual								
Phenol	Result (ug/kg)	ND	1.83E+07	2.05E+08	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Pyrene	Result (ug/kg)	1.70E+04	1.72E+06	1.83E+07	N		0.01		0.0009
	RL (ug/kg)	1.40E+03							
	Qual								
1,2,4-Trichlorobenzene	Result (ug/kg)	ND	7.30E+04	3.67E+05	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
2,4,5-Trichlorophenol	Result (ug/kg)	ND	6.11E+06	6.84E+07	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	**Result Description**	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard
2,4,6-Trichlorophenol	Result (ug/kg)	ND	6.11E+04	6.84E+05	--	ND	ND	ND	ND
	RL (ug/kg)	--							
	Qual	--							
Total Petroleum Hydrocarbons [c]	Result (mg/kg)	1.16E+04	1.00E+03	1.00E+03	NA				
	RL	8.39E+01							
	Qual								
TPH-Diesel Range Organics [c]	Result (mg/kg)	2.60E+01	1.00E+03	1.00E+03	NA				
	RL (mg/kg)	1.20E+01							
	Qual								
TPH-Oil Range Organics [c]	Result (mg/kg)	1.70E+01	1.00E+03	1.00E+03	NA				
	RL (mg/kg)	2.40E+01							
	Qual	J							
TPH-Gasoline Range Organics [c]	Result (mg/kg)	ND	1.00E+03	1.00E+03	--	ND	ND	ND	ND
	RL (mg/kg)	--							
	Qual	--							
Estimated Total Cancer Risk or Total NonCancer Hazard:						8.23E-04	0.53	5.4E-05	0.09
Estimated Cancer Risk from 15 PAHs related to background [d] (see Report text and Table 3):						8.07E-04	--	5.11E-05	--
Estimated Total Cancer Risk without 15 PAHs related to background [d] :						1.6E-05		2.8E-06	

Table 2. Cumulative Risk and Hazard Calculations for Organics in Soil for SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Residential SSL Concentration [a]	NMED NonResidential SSL Concentration [a]	Carcinogenic or Non-Carcinogenic Endpoint?	Estimated Residential Cancer Risk	Estimated Residential Non-Cancer Hazard	Estimated Non-Residential Cancer Risk	Estimated Non-Residential Non-Cancer Hazard

Notes:

Cancer Risk estimated by dividing maximum detected concentration by carcinogenic SSL and multiplying by NMED target cancer risk of 1E-5.

Noncancer Hazard estimated by dividing maximum detected concentration by noncarcinogenic SSL and multiplying by NMED target hazard quotient of 1.0.

[a] 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.

[b] U.S. Environmental Protection Agency (EPA), 2013. Regions 3, 6, and 9 Regional Screening Levels for Chemical Contaminants at Superfund Sites, May. RSLc values adjusted to target cancer risk of 1E-5.

[c] 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.

[d] Site-specific background surface soil samples collected for PAHs in August 2014 (see Report text).

Yellow highlight indicates the concentration exceeds the NMED residential SSL (or exceeds EPA residential SSL for target cancer risk of 1E-5).

J = Result concentration is estimated
mg/kg = milligram per kilogram
ND = Result not detected
NE = Not established
NMED = New Mexico Environment Department
Qual = Qualifier
RL = Reporting limit
SSL = soil screening level
TPH = Total petroleum hydrocarbons
ug/kg = micrograms per kilogram
NA = not available

Table 3
Background Upper Tolerance Limit Summary, PAHs in Surface Soil, SWMU 127, Cannon AFB

PAH Compound	MDC (µg/kg) [a]	Data Distribution [b]	UTL (µg/kg) [c]	UTL Basis [d]	FOD [e]	Comments from ProUCL UTL Output
2-METHYLNAPHTHALENE	71	N, LN	175	KM 95% 95% N	3/4	This is not enough to compute meaningful or reliable statistics and estimates.
ACENAPHTHENE	580	N, G, LN	1,666	95% 95% N	4/4	
ACENAPHTHYLENE	1,100	N, G, LN	3,119	95% 95% N	4/4	
ANTHRACENE	4,400	N, G, LN	12,896	95% 95% N	4/4	
BENZO(A)ANTHRACENE	44,000	N, G, LN	126,259	95% 95% N	4/4	
BENZO(A)PYRENE	57,000	N, G, LN	163,450	95% 95% N	4/4	
BENZO(B)FLUORANTHENE	93,000	N, G, LN	266,199	95% 95% N	4/4	
BENZO(G,H,I)PERYLENE	39,000	N, G, LN	111,632	95% 95% N	4/4	
BENZO(K)FLUORANTHENE	27,000	N, G, LN	76,872	95% 95% N	4/4	
CHRYSENE	68,000	N, G, LN	195,006	95% 95% N	4/4	
DIBENZ(A,H)ANTHRACENE	10,000	N, G, LN	28,152	95% 95% N	4/4	
FLUORANTHENE	120,000	N	343,945	95% 95% N	4/4	
FLUORENE	770	U	770	95% 95% U	2/4	This is not enough to compute meaningful or reliable statistics and estimates.
INDENO(1,2,3-C,D)PYRENE	51,000	N, G, LN	148,172	95% 95% N	4/4	
NAPHTHALENE	150	N, G, LN	425	95% 95% N	4/4	
PHENANTHRENE	40,000	N, G, LN	114,917	95% 95% N	4/4	
PYRENE	99,000	N, G, LN	287,492	95% 95% N	4/4	

Results based on four site-specific background surface soil samples collected proximate to the site in August, 2014.

[a] MDC = maximum detected concentration.

[b] Data distribution, as determined by EPA ProUCL software, v.5.0.00. N = normal, LN = lognormal, G = gamma, U = undefined.

[c] UTL = Upper tolerance limit.

[d] Basis of the UTL concentration selected from ProUCL output (Appendix A).
KM 95% 95% N = Kaplan Meier 95% UTL for 95% coverage, for normal data distribution.
95% 95% N = 95% UTL for 95% coverage, for normal data distribution.
95% 95% U = 95% UTL for 95% coverage, for nonparametric data distribution.

[e] FOD = frequency of detection.

Table 4. Comparison of Maximum Detected Concentrations of PAHs in Soil with Site-Specific Background Concentrations, SWMU 127, Cannon AFB

PAH Compounds in Soil [a]	Maximum Concentration at SWMU 127 (µg/kg) [b]	SWMU 127 Frequency of Detection [a]	Background Concentrations (µg/kg) [c]		Related to Background?
			UTL	Maximum	
2-Methylnaphthalene	4.0E+04	3/106	1.8E+02	7.1E+01	No
Acenaphthene	1.5E+02	2/127	1.7E+03	5.8E+02	Yes
Acenapthylene	7.8E+01	5/127	3.1E+03	1.1E+03	Yes
Anthracene	1.0E+02	7/127	1.3E+04	4.4E+03	Yes
Benzo(a)anthracene	8.0E+03	33/127	1.3E+05	4.4E+04	Yes
Benzo(a)pyrene	8.6E+03	35/127	1.6E+05	5.7E+04	Yes
Benzo(b)fluoranthene	1.7E+04	31/127	2.7E+05	9.3E+04	Yes
Benzo(g,h,i)perylene	5.1E+03	29/127	1.1E+05	3.9E+04	Yes
Benzo(k)fluoranthene	1.6E+03	23/127	7.7E+04	2.7E+04	Yes
Chrysene	1.4E+04	36/127	2.0E+05	6.8E+04	Yes
Dibenzo(ah)anthracene	3.1E+02	16/127	2.8E+04	1.0E+04	Yes
Fluoranthene	1.7E+04	32/127	3.4E+05	1.2E+05	Yes
Fluorene	2.9E+02	2/127	7.7E+02	7.7E+02	Yes
Indeno(1,2,3-cd)pyrene	5.1E+03	31/127	1.5E+05	5.1E+04	Yes
Naphthalene	2.1E+04	1/127	4.3E+02	1.5E+02	No
Phenanthrene	8.1E+03	31/127	1.1E+05	4.0E+04	Yes
Pyrene	1.7E+04	34/127	2.9E+05	9.9E+04	Yes

[a] PAHs in soil, for the human health risk evaluation, residential scenario (Table 2).

[b] Total soil data base (Table 1).

[c] Site-specific background surface soil samples collected in August 2014 (n = 4). UTLs from Table 3.
UTL = Upper Tolerance Limit.

Table 5. Cumulative Risk and Hazard Calculations for Metals in Soil, SWMU 127
Cannon Air Force Base

Analyte	Maximum Detected Concentration	NMED SSL Concentrations [a]		Carcinogenic or Non-Carcinogenic Endpoint?	Background UTLs [b]	Related to Back-ground?	Without Background Metals				With Background Metals			
							Residential		Industrial		Residential		Industrial	
		Residential SSLs	Industrial SSLs				Estimated Cancer Risk	Estimated Non-Cancer Hazard	Estimated Cancer Risk	Estimated Non-Cancer Hazard	Estimated Cancer Risk	Estimated Non-Cancer Hazard	Estimated Cancer Risk	Estimated Non-Cancer Hazard
Aluminum	14700	78000	1130000	N	8950-12214	No		0.19		0.01		0.19		0.01
Antimony	ND (35.3)	31.3	454	--	3.15-16	--	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	3	3.9	17.7	C	3.6-4.3	**Yes**					7.7E-06		1.7E-06	
Barium	1540	15600	223000	N	670-890	No		0.10		0.007		0.10		0.007
Beryllium	0.76	156	2260	N	0.78-0.73	**Yes**						0.005		0.0003
Cadmium	0.77	70.3	897	N	0.435-1.3	**Yes**						0.01		0.0009
Calcium	1800000	NE	NE	NE	44800-237498	No								
Chromium	21.4	117000	1700000	N	10.5-13.3	No		0.0002		0.00001		0.0002		0.00001
Cobalt [c]	8	23	300	N	6.6-4.7	No		0.35		0.03		0.35		0.03
Copper	45.8	3130	45400	N	18.3-8.3	No		0.01		0.001		0.01		0.001
Iron	11500	54800	795000	N	10100-13148	**Yes**						0.21		0.01
Lead	128	400	800	IEUBK	12-8.7	No	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	15000	NE	NE	NE	1930-19300	**Yes**								
Manganese	340	1860	26700	N	307-333	No		0.18		0.01		0.18		0.01
Mercury	ND (0.11)	15.6	73.6	--	0.056-0.019	--	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	13.6	1560	22500	N	11-14.9	**Yes**						0.009		0.0006
Potassium	3230	NE	NE	NE	2691-2512	No								
Selenium	0.25	391	5680	N	0.26-1.1	**Yes**						0.0006		0.00004
Silver	ND (5.9)	391	5680	--	0.4-2.65	--	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	521	NE	NE	NE	102-1227	**Yes**								
Thallium	0.38	0.782	11.4	N	0.6-2.65	**Yes**						0.49		0.03
Vanadium	23.2	391	5680	N	23.3-32.8	**Yes**						0.06		0.004
Zinc	41.1	23500	341000	N	32.2-30.6	No		0.002		0.0001		0.002		0.0001
Estimated Total Cancer Risk or Total NonCancer Hazard:							**0.0E+00**	**0.83**	**0.0E+00**	**0.06**	**7.7E-06**	**1.6**	**1.7E-06**	**0.11**

Table 5. Cumulative Risk and Hazard Calculations for Metals in Soil, SWMU 127
Cannon Air Force Base

Notes:
All results in mg/kg.
Cancer Risk estimated by dividing maximum detected concentration by carcinogenic SSL and multiplying by NMED target cancer risk of 1E-5.
Noncancer Hazard estimated by dividing maximum detected concentration by noncarcinogenic SSL and multiplying by NMED target hazard quotient of 1.0.

[a] 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.

[b] Background Upper Tolerance Limits (UTLs) for surface and subsurface soil, Cannon Air Force Base, Cannon AFB Background Study (Cannon AFB, 1997).

[c] SSLs from U.S. Environmental Protection Agency (EPA), 2013. Regions 3, 6, and 9 Regional Screening Levels for Chemical Contaminants at Superfund Sites, May. RSLc values adjusted to target cancer risk of 1E-5.

mg/kg	= milligram per kilogram
ND	= Result not detected (value presented is reporting limit)
NE	= Not established
NMED	= New Mexico Environment Department
C	= Carcinogenic SSL health endpoint
N	= Noncarcinogenic SSL health endpoint
SSL	= soil screening level
NA	= not available
IEUBK	= Integrated Exposure Uptake Biokinetic Lead Model

Table 6. Detected Soil Vapor Results, SWMU 127, Cannon Air Force Base

FieldSampleID	ParameterName	Value	Reporting-Units	Flag-Code	Validation-Code	Reportable-Result
127-SV09-05	**1,2-Dichloropropane**	**1.1**	**ug/m3**	**j**	**J**	**Y**
127-SV07-10	1,2-Dichloropropane	1	ug/m3	j	J	Y
127-SV08-10	1,2-Dichloropropane	1	ug/m3	j	J	Y
127-SV11-10	1,2-Dichloropropane	1	ug/m3	j	J	Y
127-SV08-05	1,2-Dichloropropane	0.911	ug/m3	j	J	Y
127-SV10-10	1,2-Dichloropropane	0.91	ug/m3	j	J	Y
127-SV09-10	1,2-Dichloropropane	0.89	ug/m3	j	J	Y
127-SV11-05	1,2-Dichloropropane	0.85	ug/m3	j	J	Y
127-SV08-05	1,2-Dichloropropane	0.77	ug/m3	j	J	Y
127-SV07-05	1,2-Dichloropropane	0.71	ug/m3	j	J	Y
127-SV03-10	**2-Butanone**	**73**	**ug/m3**		**z**	**Y**
127-SV03-05	2-Butanone	52	ug/m3		z	Y
127-SV04-05	2-Butanone	43	ug/m3		z	Y
127-SV05-05	2-Butanone	41	ug/m3		z	Y
127-SV07-05	2-Butanone	40	ug/m3		z	Y
127-SV02-10	2-Butanone	37	ug/m3		z	Y
127-SV08-05	2-Butanone	33.6	ug/m3		z	Y
127-SV01-05	2-Butanone	33	ug/m3		z	Y
127-SV10-05-FD	2-Butanone	33	ug/m3		z	Y
127-SV08-05	2-Butanone	31	ug/m3		z	Y
127-SV10-05	2-Butanone	31	ug/m3		z	Y
127-SV11-05	2-Butanone	31	ug/m3		z	Y
127-SV06-10	2-Butanone	26	ug/m3		z	Y
127-SV01-10	2-Butanone	25	ug/m3		z	Y
127-SV04-10	2-Butanone	21.4	ug/m3	j	J	Y
127-SV04-10	2-Butanone	21	ug/m3	j	J	Y
127-SV05-10	2-Butanone	20	ug/m3	j	J	Y
127-SV07-10	2-Butanone	20	ug/m3	j	J	Y
127-SV09-05	2-Butanone	20	ug/m3	j	J	Y
127-SV02-05	2-Butanone	19	ug/m3	j	J	Y
127-SV09-10	2-Butanone	19	ug/m3	j	J	Y
127-SV08-10	2-Butanone	18	ug/m3	j	J	Y
127-SV06-05	2-Butanone	16	ug/m3	j	J	Y
127-SV11-10	2-Butanone	16	ug/m3	j	J	Y
127-SV10-10	2-Butanone	12	ug/m3	j	J	Y
127-SV01-05	**2-Hexanone**	**4.8**	**ug/m3**		**z**	**Y**
127-SV03-10	2-Hexanone	4.6	ug/m3		z	Y
127-SV05-05	2-Hexanone	3.3	ug/m3		z	Y
127-SV08-05	2-Hexanone	2.95	ug/m3		z	Y
127-SV03-05	2-Hexanone	2.9	ug/m3		z	Y
127-SV07-05	2-Hexanone	2.8	ug/m3		z	Y
127-SV08-05	2-Hexanone	2.8	ug/m3		z	Y

Table 6. Detected Soil Vapor Results, SWMU 127, Cannon Air Force Base

FieldSampleID	ParameterName	Value	Reporting-Units	Flag-Code	Validation-Code	Reportable-Result
127-SV06-10	2-Hexanone	2.4	ug/m3		z	Y
127-SV11-05	2-Hexanone	2.4	ug/m3		z	Y
127-SV08-10	2-Hexanone	2.2	ug/m3		z	Y
127-SV05-10	2-Hexanone	1.8	ug/m3	j	J	Y
127-SV04-05	2-Hexanone	1.7	ug/m3	j	J	Y
127-SV02-10	2-Hexanone	1.5	ug/m3	j	J	Y
127-SV10-10	2-Hexanone	1.3	ug/m3	j	J	Y
127-SV04-10	2-Hexanone	1.18	ug/m3	j	J	Y
127-SV02-05	2-Hexanone	0.92	ug/m3	j	J	Y
127-SV01-10	2-Hexanone	0.9	ug/m3	j	J	Y
127-SV01-05	**4-Methyl-2-pentanone**	**6.1**	**ug/m3**		**z**	**Y**
127-SV03-10	4-Methyl-2-pentanone	3.4	ug/m3		z	Y
127-SV03-05	4-Methyl-2-pentanone	2	ug/m3	j	J	Y
127-SV05-05	4-Methyl-2-pentanone	1.9	ug/m3	j	J	Y
127-SV10-05-FD	4-Methyl-2-pentanone	1.8	ug/m3	j	J	Y
127-SV08-05	4-Methyl-2-pentanone	1.78	ug/m3	j	J	Y
127-SV08-05	4-Methyl-2-pentanone	1.7	ug/m3	j	J	Y
127-SV07-05	4-Methyl-2-pentanone	1.6	ug/m3	j	J	Y
127-SV06-10	4-Methyl-2-pentanone	1.5	ug/m3	j	J	Y
127-SV07-10	4-Methyl-2-pentanone	1.5	ug/m3	j	J	Y
127-SV08-10	4-Methyl-2-pentanone	1.5	ug/m3	j	J	Y
127-SV10-05	4-Methyl-2-pentanone	1.5	ug/m3	j	J	Y
127-SV11-05	4-Methyl-2-pentanone	1.5	ug/m3	j	J	Y
127-SV09-05	4-Methyl-2-pentanone	1.4	ug/m3	j	J	Y
127-SV04-05	4-Methyl-2-pentanone	1.3	ug/m3	j	J	Y
127-SV05-10	4-Methyl-2-pentanone	1.3	ug/m3	j	J	Y
127-SV11-10	4-Methyl-2-pentanone	1.3	ug/m3	j	J	Y
127-SV02-10	4-Methyl-2-pentanone	1.2	ug/m3	j	J	Y
127-SV09-10	4-Methyl-2-pentanone	1.1	ug/m3	j	J	Y
127-SV01-10	4-Methyl-2-pentanone	0.89	ug/m3	j	J	Y
127-SV10-10	4-Methyl-2-pentanone	0.8	ug/m3	j	J	Y
127-SV02-05	4-Methyl-2-pentanone	0.77	ug/m3	j	J	Y
127-SV06-05	4-Methyl-2-pentanone	0.77	ug/m3	j	J	Y
127-SV01-05	**Acetone**	**420**	**ug/m3**	**b**	**z**	**Y**
127-SV03-10	Acetone	360	ug/m3	b	z	Y
127-SV03-05	Acetone	260	ug/m3	b	z	Y
127-SV08-05	Acetone	246	ug/m3		z	Y
127-SV08-05	Acetone	240	ug/m3		z	Y
127-SV04-05	Acetone	200	ug/m3	b	z	Y
127-SV07-10	Acetone	200	ug/m3	b	z	Y
127-SV10-05-FD	Acetone	200	ug/m3		z	Y
127-SV02-10	Acetone	190	ug/m3	b	z	Y

Table 6. Detected Soil Vapor Results, SWMU 127, Cannon Air Force Base

FieldSampleID	ParameterName	Value	Reporting-Units	Flag-Code	Validation-Code	Reportable-Result
127-SV08-10	Acetone	190	ug/m3		z	Y
127-SV05-05	Acetone	180	ug/m3	b	z	Y
127-SV10-05	Acetone	180	ug/m3		z	Y
127-SV07-05	Acetone	160	ug/m3	b	z	Y
127-SV11-05	Acetone	160	ug/m3		z	Y
127-SV09-05	Acetone	140	ug/m3		z	Y
127-SV05-10	Acetone	130	ug/m3	b	z	Y
127-SV09-10	Acetone	130	ug/m3		z	Y
127-SV11-10	Acetone	130	ug/m3		z	Y
127-SV06-10	Acetone	110	ug/m3	b	z	Y
127-SV10-10	Acetone	110	ug/m3		z	Y
127-SV04-10	Acetone	107	ug/m3	b	z	Y
127-SV01-10	Acetone	100	ug/m3	b	z	Y
127-SV04-10	Acetone	100	ug/m3	b	z	Y
127-SV02-05	Acetone	86	ug/m3	b	z	Y
127-SV06-05	Acetone	64	ug/m3	b	z	Y
127-SV03-10	**Benzene**	**6.7**	**ug/m3**		**z**	**Y**
127-SV10-05	Benzene	3.9	ug/m3		J	Y
127-SV07-05	Benzene	3.3	ug/m3		z	Y
127-SV06-05	Benzene	2.8	ug/m3		z	Y
127-SV11-10	Benzene	2.4	ug/m3		z	Y
127-SV04-05	Benzene	2	ug/m3	j	J	Y
127-SV07-10	Benzene	2	ug/m3	j	J	Y
127-SV08-05	Benzene	1.9	ug/m3	j	J	Y
127-SV08-05	Benzene	1.87	ug/m3	j	J	Y
127-SV01-05	Benzene	1.7	ug/m3	j	J	Y
127-SV01-10	Benzene	1.7	ug/m3	j	J	Y
127-SV09-05	Benzene	1.7	ug/m3	j	J	Y
127-SV11-05	Benzene	1.7	ug/m3	j	J	Y
127-SV08-10	Benzene	1.6	ug/m3	j	J	Y
127-SV09-10	Benzene	1.4	ug/m3	j	J	Y
127-SV10-05-FD	Benzene	1.4	ug/m3	j	J	Y
127-SV02-10	Benzene	1.3	ug/m3	j	J	Y
127-SV03-05	Benzene	1.1	ug/m3	j	J	Y
127-SV06-10	Benzene	1.1	ug/m3	j	J	Y
127-SV10-10	Benzene	1.1	ug/m3	j	J	Y
127-SV05-10	Benzene	0.96	ug/m3	j	J	Y
127-SV05-05	Benzene	0.95	ug/m3	j	J	Y
127-SV02-05	Benzene	0.94	ug/m3	j	J	Y
127-SV10-05-FD	**Bromoform**	**0.74**	**ug/m3**	**j**	**J**	**Y**
127-SV07-10	**C5 - C8 Aliphatics**	**1400**	**ug/m3**		**z**	**Y**
127-SV09-05	C5 - C8 Aliphatics	1400	ug/m3		z	Y

Table 6. Detected Soil Vapor Results, SWMU 127, Cannon Air Force Base

FieldSampleID	ParameterName	Value	Reporting-Units	Flag-Code	Validation-Code	Reportable-Result
127-SV10-05	C5 - C8 Aliphatics	1400	ug/m3		z	Y
127-SV10-05-FD	C5 - C8 Aliphatics	1400	ug/m3		z	Y
127-SV03-10	C5 - C8 Aliphatics	490	ug/m3		z	Y
127-SV08-05	C5 - C8 Aliphatics	477	ug/m3		z	Y
127-SV07-05	C5 - C8 Aliphatics	470	ug/m3		z	Y
127-SV08-05	C5 - C8 Aliphatics	450	ug/m3		z	Y
127-SV11-10	C5 - C8 Aliphatics	440	ug/m3		z	Y
127-SV08-10	C5 - C8 Aliphatics	390	ug/m3		z	Y
127-SV11-05	C5 - C8 Aliphatics	360	ug/m3		z	Y
127-SV05-05	C5 - C8 Aliphatics	270	ug/m3		z	Y
127-SV09-10	C5 - C8 Aliphatics	270	ug/m3		z	Y
127-SV05-10	C5 - C8 Aliphatics	250	ug/m3		z	Y
127-SV10-10	C5 - C8 Aliphatics	230	ug/m3		z	Y
127-SV02-10	C5 - C8 Aliphatics	220	ug/m3		z	Y
127-SV04-10	C5 - C8 Aliphatics	210	ug/m3		z	Y
127-SV06-05	C5 - C8 Aliphatics	210	ug/m3		z	Y
127-SV04-10	C5 - C8 Aliphatics	205	ug/m3		z	Y
127-SV01-10	C5 - C8 Aliphatics	200	ug/m3		z	Y
127-SV01-05	C5 - C8 Aliphatics	190	ug/m3		z	Y
127-SV04-05	C5 - C8 Aliphatics	180	ug/m3		z	Y
127-SV06-10	C5 - C8 Aliphatics	160	ug/m3		z	Y
127-SV03-05	C5 - C8 Aliphatics	150	ug/m3		z	Y
127-SV02-05	C5 - C8 Aliphatics	120	ug/m3		z	Y
127-SV07-10	**C9 - C10 Aromatics**	**230**	**ug/m3**		**z**	**Y**
127-SV10-05	C9 - C10 Aromatics	94	ug/m3		z	Y
127-SV10-05-FD	C9 - C10 Aromatics	90	ug/m3		z	Y
127-SV07-05	C9 - C10 Aromatics	66	ug/m3		z	Y
127-SV08-05	C9 - C10 Aromatics	57.8	ug/m3		z	Y
127-SV08-05	C9 - C10 Aromatics	55	ug/m3		z	Y
127-SV06-05	C9 - C10 Aromatics	38	ug/m3		z	Y
127-SV06-10	C9 - C10 Aromatics	36	ug/m3		z	Y
127-SV01-05	C9 - C10 Aromatics	29	ug/m3		z	Y
127-SV08-10	C9 - C10 Aromatics	24	ug/m3		z	Y
127-SV09-05	C9 - C10 Aromatics	18	ug/m3		z	Y
127-SV10-10	C9 - C10 Aromatics	18	ug/m3		z	Y
127-SV11-05	C9 - C10 Aromatics	16	ug/m3		z	Y
127-SV11-10	C9 - C10 Aromatics	15	ug/m3		z	Y
127-SV09-10	C9 - C10 Aromatics	13	ug/m3		z	Y
127-SV11-10	**C9 - C12 Aliphatics**	**5900**	**ug/m3**		**z**	**Y**
127-SV07-10	C9 - C12 Aliphatics	5300	ug/m3		z	Y
127-SV11-05	C9 - C12 Aliphatics	5100	ug/m3		z	Y
127-SV10-05	C9 - C12 Aliphatics	4300	ug/m3		z	Y

Table 6. Detected Soil Vapor Results, SWMU 127, Cannon Air Force Base

FieldSampleID	ParameterName	Value	Reporting-Units	Flag-Code	Validation-Code	Reportable-Result
127-SV10-05-FD	C9 - C12 Aliphatics	4300	ug/m3		z	Y
127-SV07-05	C9 - C12 Aliphatics	4000	ug/m3		z	Y
127-SV08-05	C9 - C12 Aliphatics	3610	ug/m3		z	Y
127-SV08-05	C9 - C12 Aliphatics	3500	ug/m3		z	Y
127-SV09-05	C9 - C12 Aliphatics	3500	ug/m3		z	Y
127-SV10-10	C9 - C12 Aliphatics	3100	ug/m3		z	Y
127-SV09-10	C9 - C12 Aliphatics	2800	ug/m3		z	Y
127-SV08-10	C9 - C12 Aliphatics	2400	ug/m3		z	Y
127-SV01-05	C9 - C12 Aliphatics	200	ug/m3		z	Y
127-SV06-10	C9 - C12 Aliphatics	91	ug/m3		z	Y
127-SV05-05	C9 - C12 Aliphatics	88	ug/m3		z	Y
127-SV04-10	C9 - C12 Aliphatics	68.2	ug/m3		z	Y
127-SV04-10	C9 - C12 Aliphatics	67	ug/m3		z	Y
127-SV04-05	C9 - C12 Aliphatics	66	ug/m3		z	Y
127-SV02-10	C9 - C12 Aliphatics	65	ug/m3		z	Y
127-SV03-10	C9 - C12 Aliphatics	53	ug/m3		z	Y
127-SV02-05	C9 - C12 Aliphatics	49	ug/m3		z	Y
127-SV01-10	C9 - C12 Aliphatics	43	ug/m3		z	Y
127-SV10-05-FD	**Carbon disulfide**	**76**	**ug/m3**		**J**	**Y**
127-SV04-05	Carbon disulfide	4.2	ug/m3	j	J	Y
127-SV01-05	Carbon disulfide	3.8	ug/m3	j	J	Y
127-SV09-10	Carbon disulfide	3.1	ug/m3	j	J	Y
127-SV03-05	Carbon disulfide	2.8	ug/m3	j	J	Y
127-SV03-10	Carbon disulfide	2.8	ug/m3	j	J	Y
127-SV07-05	Carbon disulfide	2.7	ug/m3	j	J	Y
127-SV10-05	Carbon disulfide	2.1	ug/m3	j	J	Y
127-SV05-05	Carbon disulfide	2	ug/m3	j	J	Y
127-SV09-05	Carbon disulfide	2	ug/m3	j	J	Y
127-SV11-05	Carbon disulfide	1.8	ug/m3	j	J	Y
127-SV08-05	Carbon disulfide	1.62	ug/m3	j	J	Y
127-SV01-10	Carbon disulfide	1.5	ug/m3	j	J	Y
127-SV08-05	Carbon disulfide	1.5	ug/m3	j	J	Y
127-SV08-10	Carbon disulfide	1.5	ug/m3	j	J	Y
127-SV04-10	Carbon disulfide	1.4	ug/m3	j	J	Y
127-SV04-10	Carbon disulfide	1.38	ug/m3	j	J	Y
127-SV07-10	Carbon disulfide	1.3	ug/m3	j	J	Y
127-SV10-10	Carbon disulfide	1.2	ug/m3	j	J	Y
127-SV02-10	Carbon disulfide	1.1	ug/m3	j	J	Y
127-SV06-10	Carbon disulfide	1	ug/m3	j	J	Y
127-SV02-05	Carbon disulfide	0.98	ug/m3	j	J	Y
127-SV11-10	Carbon disulfide	0.85	ug/m3	j	J	Y
127-SV05-10	Carbon disulfide	0.81	ug/m3	j	J	Y

Table 6. Detected Soil Vapor Results, SWMU 127, Cannon Air Force Base

FieldSampleID	ParameterName	Value	Reporting-Units	Flag-Code	Validation-Code	Reportable-Result
127-SV06-05	Carbon disulfide	0.81	ug/m3	j	J	Y
127-SV01-05	**Carbon tetrachloride**	**0.76**	**ug/m3**	**j**	**J**	**Y**
127-SV05-10	Carbon tetrachloride	0.74	ug/m3	j	J	Y
127-SV01-10	Carbon tetrachloride	0.63	ug/m3	j	J	Y
127-SV01-05	**Chloroethane**	**1**	**ug/m3**	**j**	**J**	**Y**
127-SV05-10	**Chloroform**	**3.5**	**ug/m3**		**z**	**Y**
127-SV04-10	Chloroform	2.4	ug/m3	j	J	Y
127-SV04-10	Chloroform	2.3	ug/m3	j	J	Y
127-SV06-10	Chloroform	1.6	ug/m3	j	J	Y
127-SV02-10	Chloroform	1.3	ug/m3	j	J	Y
127-SV03-10	Chloroform	1.1	ug/m3	j	J	Y
127-SV01-05	Chloroform	0.78	ug/m3	j	J	Y
127-SV08-10	Chloroform	0.71	ug/m3	j	J	Y
127-SV01-05	**Chloromethane**	**1.6**	**ug/m3**	**j**	**J**	**Y**
127-SV11-10	Chloromethane	0.87	ug/m3	j	J	Y
127-SV08-05	Chloromethane	0.781	ug/m3	j	J	Y
127-SV07-10	Chloromethane	0.78	ug/m3	j	J	Y
127-SV07-05	Chloromethane	0.75	ug/m3	j	J	Y
127-SV08-10	Chloromethane	0.74	ug/m3	j	J	Y
127-SV08-05	Chloromethane	0.65	ug/m3	j	J	Y
127-SV08-10	**cis-1,2-Dichloroethene**	**3.8**	**ug/m3**		**z**	**Y**
127-SV10-05	**Ethylbenzene**	**6.7**	**ug/m3**		**z**	**Y**
127-SV07-10	Ethylbenzene	6.6	ug/m3		z	Y
127-SV10-05-FD	Ethylbenzene	6.6	ug/m3		z	Y
127-SV08-10	Ethylbenzene	4.5	ug/m3		z	Y
127-SV08-05	Ethylbenzene	4.4	ug/m3		z	Y
127-SV09-05	Ethylbenzene	4.4	ug/m3		z	Y
127-SV08-05	Ethylbenzene	4.39	ug/m3		z	Y
127-SV07-05	Ethylbenzene	3.9	ug/m3		z	Y
127-SV11-10	Ethylbenzene	3.9	ug/m3		z	Y
127-SV10-10	Ethylbenzene	3.7	ug/m3		z	Y
127-SV11-05	Ethylbenzene	3.5	ug/m3		z	Y
127-SV09-10	Ethylbenzene	3.4	ug/m3		z	Y
127-SV03-10	Ethylbenzene	0.73	ug/m3	j	J	Y
127-SV01-10	Ethylbenzene	0.65	ug/m3	j	J	Y
127-SV10-05	**m,p-Xylene**	**25**	**ug/m3**		**z**	**Y**
127-SV10-05-FD	m,p-Xylene	25	ug/m3		z	Y
127-SV07-10	m,p-Xylene	22	ug/m3		z	Y
127-SV08-05	m,p-Xylene	14.6	ug/m3		z	Y
127-SV08-05	m,p-Xylene	14	ug/m3		z	Y
127-SV08-10	m,p-Xylene	13	ug/m3		z	Y
127-SV09-05	m,p-Xylene	13	ug/m3		z	Y

Table 6. Detected Soil Vapor Results, SWMU 127, Cannon Air Force Base

FieldSampleID	ParameterName	Value	Reporting-Units	Flag-Code	Validation-Code	Reportable-Result
127-SV07-05	m,p-Xylene	12	ug/m3		z	Y
127-SV10-10	m,p-Xylene	12	ug/m3		z	Y
127-SV11-05	m,p-Xylene	11	ug/m3		z	Y
127-SV11-10	m,p-Xylene	11	ug/m3		z	Y
127-SV09-10	m,p-Xylene	9.8	ug/m3		z	Y
127-SV01-10	m,p-Xylene	1.7	ug/m3	j	J	Y
127-SV03-10	m,p-Xylene	1.4	ug/m3	j	J	Y
127-SV06-05	**Methylene chloride**	**5.1**	**ug/m3**		**z**	**Y**
127-SV06-10	Methylene chloride	4.4	ug/m3		z	Y
127-SV01-10	Methylene chloride	3.6	ug/m3		z	Y
127-SV05-10	Methylene chloride	2.9	ug/m3		z	Y
127-SV09-10	Methylene chloride	2.9	ug/m3		z	Y
127-SV05-05	Methylene chloride	2.3	ug/m3		z	Y
127-SV04-10	Methylene chloride	1.37	ug/m3	j	J	Y
127-SV04-10	Methylene chloride	1.3	ug/m3	j	J	Y
127-SV04-05	Methylene chloride	1.2	ug/m3	j	J	Y
127-SV03-10	Methylene chloride	0.82	ug/m3	j	J	Y
127-SV01-05	Methylene chloride	0.75	ug/m3	j	J	Y
127-SV07-05	Methylene chloride	0.69	ug/m3	j	J	Y
127-SV07-10	**o-Xylene**	**11**	**ug/m3**		**z**	**Y**
127-SV10-05	o-Xylene	10	ug/m3		z	Y
127-SV10-05-FD	o-Xylene	10	ug/m3		z	Y
127-SV08-05	o-Xylene	4.97	ug/m3		z	Y
127-SV07-05	o-Xylene	4.8	ug/m3		z	Y
127-SV08-05	o-Xylene	4.8	ug/m3		z	Y
127-SV08-10	o-Xylene	4.5	ug/m3		z	Y
127-SV09-05	o-Xylene	4.1	ug/m3		z	Y
127-SV10-10	o-Xylene	3.9	ug/m3		z	Y
127-SV11-05	o-Xylene	3.6	ug/m3		z	Y
127-SV11-10	o-Xylene	3.6	ug/m3		z	Y
127-SV09-10	o-Xylene	3.2	ug/m3		z	Y
127-SV01-10	o-Xylene	0.89	ug/m3	j	J	Y
127-SV10-05	**Styrene**	**3.4**	**ug/m3**		**J**	**Y**
127-SV11-10	Styrene	2.7	ug/m3		z	Y
127-SV07-10	Styrene	2.4	ug/m3		z	Y
127-SV11-05	Styrene	2.4	ug/m3		z	Y
127-SV08-05	Styrene	2.36	ug/m3		z	Y
127-SV08-05	Styrene	2.3	ug/m3		z	Y
127-SV08-10	Styrene	2.2	ug/m3		z	Y
127-SV09-05	Styrene	2.2	ug/m3		z	Y
127-SV10-05-FD	Styrene	2.2	ug/m3	j	J	Y
127-SV07-05	Styrene	2.1	ug/m3		z	Y

Table 6. Detected Soil Vapor Results, SWMU 127, Cannon Air Force Base

FieldSampleID	ParameterName	Value	Reporting-Units	Flag-Code	Validation-Code	Reportable-Result
127-SV10-10	Styrene	2.1	ug/m3		z	Y
127-SV09-10	Styrene	1.9	ug/m3	j	J	Y
127-SV01-05	Styrene	0.8	ug/m3	j	J	Y
127-SV05-10	**Tetrachloroethene**	**34**	**ug/m3**		**z**	**Y**
127-SV05-05	Tetrachloroethene	29	ug/m3		z	Y
127-SV11-05	Tetrachloroethene	28	ug/m3		z	Y
127-SV04-10	Tetrachloroethene	24.6	ug/m3		z	Y
127-SV04-10	Tetrachloroethene	24	ug/m3		z	Y
127-SV06-10	Tetrachloroethene	19	ug/m3		z	Y
127-SV10-10	Tetrachloroethene	16	ug/m3		z	Y
127-SV09-10	Tetrachloroethene	14	ug/m3		z	Y
127-SV02-05	Tetrachloroethene	12	ug/m3		z	Y
127-SV03-10	Tetrachloroethene	9.8	ug/m3		z	Y
127-SV04-05	Tetrachloroethene	9.5	ug/m3		z	Y
127-SV02-10	Tetrachloroethene	8.8	ug/m3		z	Y
127-SV10-05	Tetrachloroethene	7.6	ug/m3		z	Y
127-SV10-05-FD	Tetrachloroethene	7.1	ug/m3		z	Y
127-SV01-10	Tetrachloroethene	6	ug/m3		z	Y
127-SV01-05	Tetrachloroethene	5	ug/m3		z	Y
127-SV08-10	Tetrachloroethene	4.1	ug/m3		z	Y
127-SV09-05	Tetrachloroethene	3.3	ug/m3		z	Y
127-SV03-05	Tetrachloroethene	1.9	ug/m3	j	J	Y
127-SV07-10	Tetrachloroethene	0.97	ug/m3	j	J	Y
127-SV07-05	Tetrachloroethene	0.96	ug/m3	j	J	Y
127-SV08-05	Tetrachloroethene	0.781	ug/m3	j	J	Y
127-SV08-05	Tetrachloroethene	0.74	ug/m3	j	J	Y
127-SV07-05	**Toluene**	**38**	**ug/m3**		**z**	**Y**
127-SV08-10	Toluene	34	ug/m3		z	Y
127-SV09-05	Toluene	34	ug/m3		z	Y
127-SV11-10	Toluene	34	ug/m3		z	Y
127-SV07-10	Toluene	33	ug/m3		z	Y
127-SV08-05	Toluene	31.5	ug/m3		z	Y
127-SV08-05	Toluene	31	ug/m3		z	Y
127-SV09-10	Toluene	30	ug/m3		z	Y
127-SV10-10	Toluene	29	ug/m3		z	Y
127-SV11-05	Toluene	28	ug/m3		z	Y
127-SV10-05	Toluene	26	ug/m3		z	Y
127-SV10-05-FD	Toluene	26	ug/m3		z	Y
127-SV01-10	Toluene	6.9	ug/m3		z	Y
127-SV03-10	Toluene	6.3	ug/m3		z	Y
127-SV06-05	Toluene	2.9	ug/m3		z	Y
127-SV06-10	Toluene	2.2	ug/m3		z	Y

Table 6. Detected Soil Vapor Results, SWMU 127, Cannon Air Force Base

FieldSampleID	ParameterName	Value	Reporting-Units	Flag-Code	Validation-Code	Reportable-Result
127-SV04-05	Toluene	1.8	ug/m3	j	J	Y
127-SV02-10	Toluene	1.7	ug/m3	j	J	Y
127-SV01-05	Toluene	1.4	ug/m3	j	J	Y
127-SV02-05	Toluene	1.3	ug/m3	j	J	Y
127-SV03-05	Toluene	1.2	ug/m3	j	J	Y
127-SV05-05	Toluene	1	ug/m3	j	J	Y
127-SV10-05	**TPH as Gasoline**	**8.4**	**mg/m3**	**j**	**J**	**Y**
127-SV11-10	TPH as Gasoline	8.2	mg/m3	j	J	Y
127-SV07-10	TPH as Gasoline	7.7	mg/m3	j	J	Y
127-SV10-05-FD	TPH as Gasoline	7.5	mg/m3	j	J	Y
127-SV11-05	TPH as Gasoline	6.7	mg/m3	j	J	Y
127-SV10-10	TPH as Gasoline	5.6	mg/m3	j	J	Y
127-SV07-05	TPH as Gasoline	5.5	mg/m3	j	J	Y
127-SV09-05	TPH as Gasoline	5	mg/m3	j	J	Y
127-SV08-05	TPH as Gasoline	4.6	mg/m3	j	J	Y
127-SV01-05	TPH as Gasoline	4.1	mg/m3	j	J	Y
127-SV08-10	TPH as Gasoline	2.7	mg/m3	j	J	Y
127-SV09-10	TPH as Gasoline	2.7	mg/m3	j	J	Y
127-SV03-05	TPH as Gasoline	2.6	mg/m3	j	J	Y
127-SV05-10	**Trichloroethene**	**920**	**ug/m3**	**d**	**z**	**Y**
127-SV04-10	Trichloroethene	537	ug/m3		z	Y
127-SV04-10	Trichloroethene	520	ug/m3		z	Y
127-SV06-10	Trichloroethene	450	ug/m3		z	Y
127-SV10-10	Trichloroethene	440	ug/m3		z	Y
127-SV09-10	Trichloroethene	390	ug/m3		z	Y
127-SV03-10	Trichloroethene	310	ug/m3		z	Y
127-SV02-10	Trichloroethene	290	ug/m3		z	Y
127-SV05-05	Trichloroethene	280	ug/m3		z	Y
127-SV11-05	Trichloroethene	240	ug/m3		z	Y
127-SV01-10	Trichloroethene	180	ug/m3		z	Y
127-SV02-05	Trichloroethene	160	ug/m3		z	Y
127-SV01-05	Trichloroethene	120	ug/m3		z	Y
127-SV10-05	Trichloroethene	82	ug/m3		z	Y
127-SV10-05-FD	Trichloroethene	81	ug/m3		z	Y
127-SV04-05	Trichloroethene	60	ug/m3		z	Y
127-SV09-05	Trichloroethene	32	ug/m3		z	Y
127-SV03-05	Trichloroethene	26	ug/m3		z	Y
127-SV07-05	Trichloroethene	5.6	ug/m3		z	Y
127-SV08-05	Trichloroethene	4.71	ug/m3		z	Y
127-SV08-05	Trichloroethene	4.4	ug/m3		z	Y
127-SV08-10	Trichloroethene	3.3	ug/m3		z	Y
127-SV11-10	Trichloroethene	1.8	ug/m3	j	J	Y

Table 6. Detected Soil Vapor Results, SWMU 127, Cannon Air Force Base

FieldSampleID	ParameterName	Value	Reporting-Units	Flag-Code	Validation-Code	Reportable-Result
127-SV07-10	Trichloroethene	1.6	ug/m3	j	J	Y
127-SV06-05	Trichloroethene	0.72	ug/m3	j	J	Y
127-SV10-05-FD	**Vinylacetate**	**58**	**ug/m3**		**J**	**Y**
127-SV09-05	Vinylacetate	44	ug/m3		z	Y
127-SV05-05	Vinylacetate	39	ug/m3		z	Y
127-SV03-10	Vinylacetate	33	ug/m3		z	Y
127-SV08-05	Vinylacetate	25.5	ug/m3		z	Y
127-SV06-10	Vinylacetate	25	ug/m3		z	Y
127-SV07-05	Vinylacetate	24	ug/m3		z	Y
127-SV05-10	Vinylacetate	23	ug/m3		z	Y
127-SV08-05	Vinylacetate	22	ug/m3		z	Y
127-SV04-05	Vinylacetate	21	ug/m3	j	J	Y
127-SV09-10	Vinylacetate	21	ug/m3	j	J	Y
127-SV01-05	Vinylacetate	18	ug/m3	j	J	Y
127-SV11-05	Vinylacetate	18	ug/m3	j	J	Y
127-SV04-10	Vinylacetate	15.8	ug/m3	j	J	Y
127-SV01-10	Vinylacetate	15	ug/m3	j	J	Y
127-SV10-05	Vinylacetate	15	ug/m3	j	J	Y
127-SV02-10	Vinylacetate	14	ug/m3	j	J	Y
127-SV03-05	Vinylacetate	14	ug/m3	j	J	Y
127-SV04-10	Vinylacetate	14	ug/m3	j	J	Y
127-SV06-05	Vinylacetate	11	ug/m3	j	J	Y
127-SV11-10	Vinylacetate	10	ug/m3	j	J	Y
127-SV08-10	Vinylacetate	9.4	ug/m3	j	J	Y
127-SV02-05	Vinylacetate	9	ug/m3	j	J	Y
127-SV07-10	Vinylacetate	8.9	ug/m3	j	J	Y
127-SV10-10	Vinylacetate	8.3	ug/m3	j	J	Y

Soil Vapor Results (detects only) ranked from highest to lowest, with maximum bolded.

Table 7. Cumulative Risks and Hazards, Future Residential Land Use Scenario, All Media, SWMU 127
Cannon Air Force Base

Media/ Chemical Class	Estimated Total Cancer Risk	Estimated Total Noncancer Hazard Index	Notes
Soil Organics	9.0E-06	0.53	Maximum detected concentrations used, except for ethylbenzene 95% UCL, and 7 background-related PAHs excluded.
Soil Metals	0.0E+00	0.83	Maximum detected concentrations used; 10 background-related metals excluded.
Soil Vapor	7.80E-07	0.21	Maximum detected concentrations used, from soil vapor samples collected from 10 feet bgs (that had a greater estimated total risk and hazard than the 5 foot samples).
Total	**9.8E-06**	**1.57**	See table below, for hazard segregation by target organ

Soil Hazard Drivers	**HQ**	**RfD (mg/kg-day)**	**Basis**	**Target Organ**
Toluene	0.02	0.08	IRIS	Kidney
Xylenes	0.32	0.2	IRIS	< Body weight, > mortality
2-Methylnaphthalene	0.17	0.004	IRIS	Lung
Aluminum	0.19	1.0	PPRTV	Neurotoxicity
Barium	0.10	0.2	IRIS	Kidney
Cobalt	0.35	0.0003	PPRTV	Thyroid (iodine uptake)
Manganese	0.18	0.024	IRIS	Neurotoxicity
Soil Vapor Hazard Driver	**HQ**	**RfC $(mg/m)^3$**	**Basis**	**Health Endpoint**
Trichloroethylene	0.21	0.002	IRIS	Thymus and fetal cardiac malformations

Combined HI for Kidney Effects: 0.02 + 0.1 = 0.12
Combined HI for Neurotoxicity Effects: 0.19 + 0.18 = 0.37
All other Health Endpoint-Specific HQs less than 1.0

Notes:

HQ = hazard quotient
RfD = reference dose
mg/kg-day = milligram per kilogram body weight per day
IRIS = EPA's Integrated Risk Information System
PPRTV = EPA's Provisional Peer Reviewed Toxicity Values
RfC = reference concentration
HI = hazard index

Table 8. Soil Leaching Evaluation - Organics at SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Soil Leaching Screening Concentration [a]	Exceedance?	Exceedance Magnitude
Acetone	Result (ug/kg)	7.50E+03	7.71E+04	No	--
	RL (ug/kg)	1.40E+04			
	Qual	J			
Benzene	Result (ug/kg)	3.80E+03	3.24E+01	Yes	117
	RL (ug/kg)	7.20E+03			
	Qual	J			
Bromodichloro-methane	Result (ug/kg)	ND	1.16E+01	--	--
	RL (ug/kg)	--			
	Qual	--			
Bromoform [b]	Result (ug/kg)	ND	21 (420)	--	--
	RL (ug/kg)	--			
	Qual	--			
Bromomethane	Result (ug/kg)	ND	3.60E+01	--	--
	RL (ug/kg)	--			
	Qual	--			
2-Butanone (MEK)	Result (ug/kg)	6.20E+01	5.21E+04	No	--
	RL (ug/kg)	1.10E+01			
	Qual	J			
Carbon disulfide	Result (ug/kg)	ND	4.33E+03	--	--
	RL (ug/kg)	--			
	Qual	--			
Carbon tetrachloride	Result (ug/kg)	2.70E+00	2.10E+01	No	--
	RL (ug/kg)	5.80E+00			
	Qual	J			
Chlorobenzene	Result (ug/kg)	1.30E+00	9.84E+02	No	--
	RL (ug/kg)	5.80E+00			
	Qual	J			
Chloroethane (ethyl chloride) [b]	Result (ug/kg)	ND	5900 (118000)	--	--
	RL (ug/kg)	--			
	Qual	--			
Chloroform	Result (ug/kg)	ND	9.18E+00	--	--
	RL (ug/kg)	--			
	Qual	--			
Chloromethane	Result (ug/kg)	ND	8.79E+02	--	--
	RL (ug/kg)	--			
	Qual	--			
Dibromochloro-methane	Result (ug/kg)	ND	6.61E+00	--	--
	RL (ug/kg)	--			
	Qual	--			

Table 8. Soil Leaching Evaluation - Organics at SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Soil Leaching Screening Concentration [a]	Exceedance?	Exceedance Magnitude
1,1-Dichloroethane	Result (ug/kg)	ND	1.20E+02	--	--
	RL (ug/kg)	--			
	Qual	--			
1,2-Dichloroethane	Result (ug/kg)	1.90E+00	7.11E+00	No	--
	RL (ug/kg)	5.20E+00			
	Qual	J			
1,1-Dichloroethene	Result (ug/kg)	1.90E+00	2.32E+00	No	--
	RL (ug/kg)	5.80E+00			
	Qual	J			
1,2-Dichloroethene (total) (assumed cis-1,2-DCE) [b]	Result (ug/kg)	1.30E+00	8.2 (164)	No	--
	RL (ug/kg)	5.80E+00			
	Qual	J			
1,2-Dichloropropane	Result (ug/kg)	1.30E+01	2.14E+01	No	--
	RL (ug/kg)	5.40E+00			
	Qual				
cis-1,3-Dichloropropene	Result (ug/kg)	ND	NE	--	--
	RL (ug/kg)	--			
	Qual	--			
trans-1,3-Dichloropropene	Result (ug/kg)	ND	NE	--	--
	RL (ug/kg)	--			
	Qual	--			
Ethylbenzene	Result (ug/kg)	5.40E+04	2.60E+02	Yes	208
	RL (ug/kg)	7.20E+03			
	Qual				
2-Hexanone [b]	Result (ug/kg)	ND	7.9 (158)	--	--
	RL (ug/kg)	--			
	Qual	--			
4-Methyl-2-pentanone (MIBK)	Result (ug/kg)	3.30E+00	7.68E+03	No	--
	RL (ug/kg)	1.10E+01			
	Qual	J			
Methylene chloride	Result (ug/kg)	9.10E+00	8.24E+02	No	--
	RL (ug/kg)	5.50E+00			
	Qual				
Styrene	Result (ug/kg)	ND	2.77E+04	--	--
	RL (ug/kg)	--			
	Qual	--			
1,1,2,2-Tetrachloro-ethane	Result (ug/kg)	ND	4.26E+00	--	--
	RL (ug/kg)	--			
	Qual	--			

Table 8. Soil Leaching Evaluation - Organics at SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Soil Leaching Screening Concentration [a]	Exceedance?	Exceedance Magnitude
Tetrachloro-ethene	Result (ug/kg)	2.90E+00	8.61E+00	No	--
	RL (ug/kg)	5.80E+00			
	Qual	J			
Toluene	Result (ug/kg)	8.20E+04	2.53E+04	Yes	3.2
	RL (ug/kg)	5.80E+00			
	Qual				
1,1,1-Trichloroethane	Result (ug/kg)	1.80E+00	5.82E+04	No	--
	RL (ug/kg)	5.80E+00			
	Qual	J			
1,1,2-Trichloroethane	Result (ug/kg)	ND	2.23E+00	--	--
	RL (ug/kg)	--			
	Qual	--			
Trichloroethene	Result (ug/kg)	2.30E+00	2.11E+01	No	--
	RL (ug/kg)	5.80E+00			
	Qual	J			
Vinyl acetate	Result (ug/kg)	ND	1.52E+03	--	--
	RL (ug/kg)	--			
	Qual	--			
Vinyl chloride	Result (ug/kg)	ND	1.08E+00	--	--
	RL (ug/kg)	--			
	Qual	--			
Xylenes (total)	Result (ug/kg)	2.60E+05	3.13E+03	Yes	83
	RL (ug/kg)	5.20E+00			
	Qual				
Acenaphthene	Result (ug/kg)	1.50E+02	3.43E+05	No	--
	RL (ug/kg)	1.40E+03			
	Qual	J			
Acenaphthylene	Result (ug/kg)	7.80E+01	NE	--	--
	RL (ug/kg)	2.20E+02			
	Qual	J			
Anthracene	Result (ug/kg)	1.00E+02	5.41E+06	No	--
	RL (ug/kg)	3.50E+02			
	Qual	J			
Benzo(a)-anthracene	Result (ug/kg)	8.00E+03	1.57E+03	Yes	5.1
	RL (ug/kg)	1.40E+03			
	Qual				
Benzo(a)pyrene	Result (ug/kg)	8.60E+03	5.20E+02	Yes	17
	RL (ug/kg)	1.40E+03			
	Qual				

Table 8. Soil Leaching Evaluation - Organics at SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Soil Leaching Screening Concentration [a]	Exceedance?	Exceedance Magnitude
Benzo(b)-fluoranthene	Result (ug/kg)	1.70E+04	5.31E+03	Yes	3.2
	RL (ug/kg)	1.40E+03			
	Qual				
Benzo(g,h,i)-perylene	Result (ug/kg)	5.10E+03	NE	--	--
	RL (ug/kg)	1.40E+03			
	Qual				
Benzo(k)-fluoranthene	Result (ug/kg)	1.60E+03	5.20E+04	No	--
	RL (ug/kg)	1.10E+01			
	Qual				
Benzoic acid [b]	Result (ug/kg)	4.80E+01	14000 (2800000)	No	--
	RL (ug/kg)	1.80E+03			
	Qual	J			
Benzyl alcohol [b]	Result (ug/kg)	ND	370 (7400)	--	--
	RL (ug/kg)	--			
	Qual	--			
bis(2-Chloroethoxy) methane [b]	Result (ug/kg)	ND	11 (220)	--	--
	RL (ug/kg)	--			
	Qual	--			
bis(2-Chloroethyl) ether	Result (ug/kg)	ND	6.81E-01	--	--
	RL (ug/kg)	--			
	Qual	--			
bis(2-Chloroisopropyl) ether	Result (ug/kg)	ND	7.06E+01	--	--
	RL (ug/kg)	--			
	Qual	--			
bis(2-Ethylhexyl) phthalate	Result (ug/kg)	1.30E+04	1.72E+05	No	--
	RL (ug/kg)	1.40E+03			
	Qual				
4-Bromophenyl phenyl ether	Result (ug/kg)	ND	NE	--	--
	RL (ug/kg)	--			
	Qual	--			
Butyl benzyl phthalate [b]	Result (ug/kg)	1.10E+02	200 (4000)	No	--
	RL (ug/kg)	3.80E+02			
	Qual	J			
Carbazole	Result (ug/kg)	1.50E+03	NE	--	--
	RL (ug/kg)	1.40E+03			
	Qual				
4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [b]	Result (ug/kg)	ND	1300 (26000)	--	--
	RL (ug/kg)	--			
	Qual	--			

Table 8. Soil Leaching Evaluation - Organics at SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Soil Leaching Screening Concentration [a]	Exceedance?	Exceedance Magnitude
4-Chloroaniline [b]	Result (ug/kg)	ND	0.13 (2.6)	--	--
	RL (ug/kg)	--			
	Qual	--			
2-Chloro-naphthalene	Result (ug/kg)	ND	2.27E+05	--	--
	RL (ug/kg)	--			
	Qual	--			
2-Chlorophenol	Result (ug/kg)	ND	2.31E+03	--	--
	RL (ug/kg)	--			
	Qual	--			
4-Chlorophenyl phenyl ether	Result (ug/kg)	ND	NE	--	--
	RL (ug/kg)	--			
	Qual	--			
Chrysene	Result (ug/kg)	1.40E+04	1.60E+05	No	--
	RL (ug/kg)	1.40E+03			
	Qual				
Di-n-butyl phthalate [b]	Result (ug/kg)	1.90E+02	1700 (34000)	No	--
	RL (ug/kg)	3.80E+02			
	Qual	J			
Di-n-octyl phthalate [b]	Result (ug/kg)	3.10E+02	44000 (880000)	No	--
	RL (ug/kg)	3.70E+02			
	Qual	J			
Dibenz(a,h)-anthracene	Result (ug/kg)	3.10E+02	1.69E+03	No	--
	RL (ug/kg)	2.20E+01			
	Qual				
Dibenzofuran [b]	Result (ug/kg)	ND	110 (2200)	--	--
	RL (ug/kg)	--			
	Qual	--			
1,2-Dichlorobenzene	Result (ug/kg)	ND	5.60E+03	--	--
	RL (ug/kg)	--			
	Qual	--			
1,3-Dichlorobenzene	Result (ug/kg)	ND	NE	--	--
	RL (ug/kg)	--			
	Qual	--			
1,4-Dichlorobenzene	Result (ug/kg)	ND	6.30E+01	--	--
	RL (ug/kg)	--			
	Qual	--			
2,4-Dichlorophenol	Result (ug/kg)	ND	1.33E+04	--	--
	RL (ug/kg)	--			
	Qual	--			

Table 8. Soil Leaching Evaluation - Organics at SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Soil Leaching Screening Concentration [a]	Exceedance?	Exceedance Magnitude
3,3'-Dichlorobenzidine	Result (ug/kg)	ND	1.48E+02	--	--
	RL (ug/kg)	--			
	Qual	--			
Diethyl phthalate	Result (ug/kg)	4.60E+01	1.93E+05	No	--
	RL (ug/kg)	3.60E+02			
	Qual	J			
2,4-Dimethylphenol	Result (ug/kg)	ND	1.33E+04	--	--
	RL (ug/kg)	--			
	Qual	--			
Dimethyl phthalate	Result (ug/kg)	ND	1.61E+06	--	--
	RL (ug/kg)	--			
	Qual	--			
4,6-Dinitro-2-methylphenol	Result (ug/kg)	ND	7.62E+01	--	--
	RL (ug/kg)	--			
	Qual	--			
2,4-Dinitrophenol	Result (ug/kg)	ND	1.26E+03	--	--
	RL (ug/kg)	--			
	Qual	--			
2,4-Dinitrotoluene	Result (ug/kg)	ND	4.49E+01	--	--
	RL (ug/kg)	--			
	Qual	--			
2,6-Dinitrotoluene	Result (ug/kg)	ND	7.70E+02	--	--
	RL (ug/kg)	--			
	Qual	--			
Fluoranthene	Result (ug/kg)	1.70E+04	2.43E+06	No	--
	RL (ug/kg)	1.40E+03			
	Qual				
Fluorene	Result (ug/kg)	2.90E+02	4.06E+05	No	--
	RL (ug/kg)	1.40E+03			
	Qual	J			
Hexachloro-benzene	Result (ug/kg)	ND	7.96E+01	--	--
	RL (ug/kg)	--			
	Qual	--			
Hexachloro-butadiene	Result (ug/kg)	ND	2.57E+02	--	--
	RL (ug/kg)	--			
	Qual	--			
Hexachlorocyclo-pentadiene	Result (ug/kg)	ND	1.05E+04	--	--
	RL (ug/kg)	--			
	Qual	--			

Table 8. Soil Leaching Evaluation - Organics at SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Soil Leaching Screening Concentration [a]	Exceedance?	Exceedance Magnitude
Hexachloro-ethane	Result (ug/kg)	ND	1.64E+02	--	--
	RL (ug/kg)	--			
	Qual	--			
Indeno(1,2,3-cd)pyrene	Result (ug/kg)	5.10E+03	1.73E+04	No	--
	RL (ug/kg)	1.40E+03			
	Qual				
Isophorone	Result (ug/kg)	ND	3.84E+03	--	--
	RL (ug/kg)	--			
	Qual	--			
2-Methyl-naphthalene [b]	Result (ug/kg)	4.00E+04	140 (2800)	Yes	14
	RL (ug/kg)	3.50E+02			
	Qual	J			
2-Methylphenol (o-cresol) [b]	Result (ug/kg)	ND	580 (11600)	--	--
	RL (ug/kg)	--			
	Qual	--			
3/4-Methylphenol	Result (ug/kg)	ND	NE	--	--
	RL (ug/kg)	--			
	Qual	--			
Naphthalene	Result (ug/kg)	2.10E+04	7.13E+01	Yes	295
	RL (ug/kg)	3.80E+04			
	Qual	J			
2-Nitroaniline [b]	Result (ug/kg)	ND	62 (1240)	--	--
	RL (ug/kg)	--			
	Qual	--			
3-Nitroaniline	Result (ug/kg)	ND	NE	--	--
	RL (ug/kg)	--			
	Qual	--			
4-Nitroaniline [b]	Result (ug/kg)	ND	14 (280)	--	--
	RL (ug/kg)	--			
	Qual	--			
Nitrobenzene	Result (ug/kg)	ND	1.25E+01	--	--
	RL (ug/kg)	--			
	Qual	--			
2-Nitrophenol	Result (ug/kg)	ND	NE	--	--
	RL (ug/kg)	--			
	Qual	--			
4-Nitrophenol	Result (ug/kg)	ND	NE	--	--
	RL (ug/kg)	--			
	Qual	--			

Table 8. Soil Leaching Evaluation - Organics at SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Soil Leaching Screening Concentration [a]	Exceedance?	Exceedance Magnitude
N-Nitroso-di-n-propylamine [b]	Result (ug/kg)	ND	0.07 (1.4)	--	--
	RL (ug/kg)	--			
	Qual	--			
N-Nitrosodi-phenylamine	Result (ug/kg)	ND	1.13E+04	--	--
	RL (ug/kg)	--			
	Qual	--			
Pentachloro-phenol	Result (ug/kg)	ND	2.56E+02	--	--
	RL (ug/kg)	--			
	Qual	--			
Phenanthrene	Result (ug/kg)	8.10E+03	5.71E+05	No	--
	RL (ug/kg)	1.40E+03			
	Qual				
Phenol	Result (ug/kg)	ND	9.95E+04	--	--
	RL (ug/kg)	--			
	Qual	--			
Pyrene	Result (ug/kg)	1.70E+04	1.79E+06	No	--
	RL (ug/kg)	1.40E+03			
	Qual				
1,2,4-Trichlorobenzene	Result (ug/kg)	ND	1.83E+02	--	--
	RL (ug/kg)	--			
	Qual	--			
2,4,5-Trichlorophenol	Result (ug/kg)	ND	2.07E+05	--	--
	RL (ug/kg)	--			
	Qual	--			
2,4,6-Trichlorophenol	Result (ug/kg)	ND	2.07E+03	--	--
	RL (ug/kg)	--			
	Qual	--			
Total Petroleum Hydrocarbons [c]	Result (mg/kg)	1.16E+04	NE	--	--
	RL	8.39E+01			
	Qual				
TPH-Diesel Range Organics [c]	Result (mg/kg)	2.60E+01	NE	--	--
	RL (mg/kg)	1.20E+01			
	Qual				
TPH-Oil Range Organics [c]	Result (mg/kg)	1.70E+01	NE	--	--
	RL (mg/kg)	2.40E+01			
	Qual	J			
TPH-Gasoline Range Organics [c]	Result (mg/kg)	ND	NE	--	--
	RL (mg/kg)	--			
	Qual	--			

Table 8. Soil Leaching Evaluation - Organics at SWMU 127
Cannon Air Force Base

Analyte	Result Description	Maximum Result (ug/kg)	NMED Soil Leaching Screening Concentration [a]	Exceedance?	Exceedance Magnitude

Notes:

[a] New Mexico Environment Department (NMED), 2012. Table A-1: NMED Soil Screening Levels, DAF = 20, 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.

[b] U.S. Environmental Protection Agency (EPA), 2013. Regions 3, 6, and 9 Regional Screening Levels for Chemical Contaminants at Superfund Sites, May. RSLc values adjusted to target cancer risk of 1E-5 (Risk-Based Screening Level)

[c] 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. SSLs based on DAF of 1 used to estimate SSLs for DAF = 20 (in parentheses).

J	= Result concentration is estimated
mg/kg	= milligram per kilogram
ND	= Result not detected
NE	= Not established
NMED	= New Mexico Environment Department
Qual	= Qualifier
RL	= Reporting limit
SSL	= soil screening level
TPH	= Total petroleum hydrocarbons
ug/kg	= micrograms per kilogram
NA	= not available

Table 9. Soil Leaching Evaluation - Metals at SWMU 127
Cannon Air Force Base

Analyte	Maximum Detected Concentration	NMED Soil Leaching Screening Concentration [a]	Exceedance?	Exceedance Magnitude	Background UTLs [b]	Related to Back-ground?	Potential Leaching Concern?
Aluminum	14700	1100000	No	--	8950-12214	No	No
Antimony	ND (35.3)	13.2	--	--	3.15-16	--	No
Arsenic	3	0.26	**Yes**	12	3.6-4.3	Yes	No
Barium	1540	6010	No	--	670-890	No	No
Beryllium	0.76	1150	No	--	0.78-0.73	Yes	No
Cadmium	0.77	27.5	No	--	0.435-1.3	Yes	No
Calcium	1800000	NE	--	--	44800-237498	No	No
Chromium	21.4	>1000000	No	--	10.5-13.3	No	No
Cobalt [c]	8	0.21 (4.2)	**Yes**	1.9	6.6-4.7	No	**Yes**
Copper	45.8	1030	No	--	18.3-8.3	No	No
Iron	11500	12900	No	--	10100-13148	Yes	No
Lead	128	NE	--	--	12-8.7	No	No
Magnesium	15000	NE	--	--	1930-19300	Yes	No
Manganese	340	1140	No	--	307-333	No	No
Mercury	ND (0.11)	11.5	--	--	0.056-0.019	--	No
Nickel	13.6	953	No	--	11-14.9	Yes	No
Potassium	3230	NE	--	--	2691-2512	No	No
Selenium	0.25	19.3	No	--	0.26-1.1	Yes	No
Silver	ND (5.9)	31.3	--	--	0.4-2.65	--	No
Sodium	521	NE	--	--	102-1227	Yes	No
Thallium	0.38	0.52	No	--	0.6-2.65	Yes	No
Vanadium	23.2	3650	No	--	23.3-32.8	Yes	No
Zinc	41.1	13600	No	--	32.2-30.6	No	No

Notes:
All results in mg/kg.

[a] New Mexico Environment Department (NMED), 2012. Table A-1: NMED Soil Screening Levels, DAF = 20, 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.

[b] Background Upper Tolerance Limits (UTLs) for surface and subsurface soil, Cannon Air Force Base, Cannon AFB Background Study (Cannon AFB, 1997).

[b] U.S. Environmental Protection Agency (EPA), 2013. Regions 3, 6, and 9 Regional Screening Levels for Chemical Contaminants at Superfund Sites, May. RSLc values adjusted to target cancer risk of 1E-5 (Risk-Based Screening Level). DAF = 1 (only SSL available). DAF = 20 estimated (in parentheses).

mg/kg = milligram per kilogram
ND = Result not detected (value presented is reporting limit)
NE = Not established
NMED = New Mexico Environment Department
SSL = soil screening level

Table 10. Cumulative Risks for Uncertainty Analysis, Future Residential Land Use Scenario, All Media SWMU 127, Cannon Air Force Base

Media/ Chemical Class	Estimated Total Cancer Risk	Notes
Soil Organics	1.0E-05	Maximum detected concentrations used, except for ethylbenzene 95% UCL for surface soil, and 15 background-related PAHs excluded.
Soil Metals	0.0E+00	Maximum detected concentrations used; 10 background-related metals excluded.
Soil Vapor	4.40E-07	Except for TCE, maximum detected concentrations used, from soil vapor samples collected from 10 feet bgs (that had a greater estimated total risk than the 5 foot samples). For TCE, 95% UCL used for 10 samples collected from western part of site (historic soil VOC hot spot area).
Total	**1.0E-05**	

Notes: See Section 2.8 for discussion of risk screening uncertainties.

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acetone			Benzene			Bromodichloromethane			Bromoform [e]			Bromomethane		
					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	--	--
NMED Residential SSL Concentration [d]					6.66E+07			1.54E+04			5.41E+03			6.20E+04			1.65E+04		
NMED Industrial SSL Concentration [d]					8.68E+08			8.47E+04			3.01E+04			2.20E+05			8.65E+04		
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
	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
	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
	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
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
	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
	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
	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
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
	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
	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
	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
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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
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
	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
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
	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
	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
	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
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
	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
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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acetone			Benzene			Bromodichloromethane			Bromoform [e]			Bromomethane		
					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	--	--
NMED Residential SSL Concentration [d]					6.66E+07			1.54E+04			5.41E+03			6.20E+04			1.65E+04		
NMED Industrial SSL Concentration [d]					8.68E+08			8.47E+04			3.01E+04			2.20E+05			8.65E+04		
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
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
	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
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
	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
	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
	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
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
	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
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
	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
	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
	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
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
	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
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
	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
	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
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
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
	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
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
	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
	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
	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
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
	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
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
	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
	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
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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acetone			Benzene			Bromodichloromethane			Bromoform [e]			Bromomethane		
					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	--	--
NMED Residential SSL Concentration [d]					6.66E+07			1.54E+04			5.41E+03			6.20E+04			1.65E+04		
NMED Industrial SSL Concentration [d]					8.68E+08			8.47E+04			3.01E+04			2.20E+05			8.65E+04		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*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
	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
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*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*		
	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
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*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
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*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
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*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
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*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
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*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
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*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
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*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
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acetone			Benzene			Bromodichloromethane			Bromoform [e]			Bromomethane		
					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	--	--
NMED Residential SSL Concentration [d]					6.66E+07			1.54E+04			5.41E+03			6.20E+04			1.65E+04		
NMED Industrial SSL Concentration [d]					8.68E+08			8.47E+04			3.01E+04			2.20E+05			8.65E+04		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acetone			Benzene			Bromodichloromethane			Bromoform [e]			Bromomethane		
					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	--	--
NMED Residential SSL Concentration [d]					6.66E+07			1.54E+04			5.41E+03			6.20E+04			1.65E+04		
NMED Industrial SSL Concentration [d]					8.68E+08			8.47E+04			3.01E+04			2.20E+05			8.65E+04		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*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*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*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*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*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*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*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*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*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*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*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*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*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*	

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2-Butanone (MEK)			Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane (ethyl chloride) [e]		
					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					6.20E+01	1.10E+01	J	ND	--	--	2.70E+00	5.80E+00	J	1.30E+00	5.80E+00	J	ND	--	--
NMED Residential SSL Concentration [d]					3.71E+07			1.53E+06			1.08E+04			3.76E+05			1.50E+07		
NMED Industrial SSL Concentration [d]					3.75E+08			8.33E+06			5.98E+04			2.12E+06			6.10E+07		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	12	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	12	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	12	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	12	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	12	U	ND	6.0	U	ND	6.0	U	ND	6.0	U	ND	12	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	12	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	12	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	10	U	ND	5.2	U	ND	5.2	U	ND	5.2	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
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1273-0038	38	0312160007SA	9/13/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1273-0058	58	0312160009SA	9/13/1993	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	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
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U
	CAN127-1274-0038	38	0312770008SA	9/14/1993	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	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
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	10	U	ND	5.2	U	ND	5.2	U	ND	5.2	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
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	12	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	ND	12	U	ND	5.8	U	2.7	5.8	J	1.3	5.8	J	ND	12	U
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U
	CAN127-1275-0058	58	0312770019SA	9/14/1993	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2-Butanone (MEK)			Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane (ethyl chloride) [e]		
					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					6.20E+01	1.10E+01	J	ND	--	--	2.70E+00	5.80E+00	J	1.30E+00	5.80E+00	J	ND	--	--
NMED Residential SSL Concentration [d]					3.71E+07			1.53E+06			1.08E+04			3.76E+05			1.50E+07		
NMED Industrial SSL Concentration [d]					3.75E+08			8.33E+06			5.98E+04			2.12E+06			6.10E+07		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	10	U	ND	5.2	U	ND	5.2	U	ND	5.2	U	ND	10	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U	ND	11	U
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1276-0038	38	0312150013SA	9/13/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	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	UJ	ND	11	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	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
	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
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	ND	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	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
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	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
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
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	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
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	6.6	11	J	ND	5.6	U	ND	5.6	U	ND	5.6	J	ND	11	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	ND	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U
	CAN127-1278-0028	28	0311840007SA	9/12/1993	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U
	CAN127-1278-0058	58	0312160011SA	9/13/1993	7.1	11	J	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	14,000	U	ND	7,000	U	ND	7,000	U	ND	7,000	U	ND	14,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	12	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	14,000	U	ND	7,200	U	ND	7,200	U	ND	7,200	U	ND	14,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	12	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	12	U	ND	5.9	U	ND	5.9	U	ND	5.9	U	ND	12	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2-Butanone (MEK)			Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane (ethyl chloride) [e]		
					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					6.20E+01	1.10E+01	J	ND	--	--	2.70E+00	5.80E+00	J	1.30E+00	5.80E+00	J	ND	--	--
NMED Residential SSL Concentration [d]					3.71E+07			1.53E+06			1.08E+04			3.76E+05			1.50E+07		
NMED Industrial SSL Concentration [d]					3.75E+08			8.33E+06			5.98E+04			2.12E+06			6.10E+07		
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
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	11	U	ND	5.3	U	ND	5.3	U	ND	5.3	U	ND	11	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	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
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	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
	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
	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
	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
	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
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	U	ND	11	U
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
	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
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	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
	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
	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
	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
	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
	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
	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
	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
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
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*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
	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
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*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*		
	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
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*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
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*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
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*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
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*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
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	12	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	11	U	ND	5.7	U	ND	5.7	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*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	62	11	J	ND	5.6	U	ND	5.6	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*		
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2-Butanone (MEK)			Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane (ethyl chloride) [e]		
					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					6.20E+01	1.10E+01	J	ND	--	--	2.70E+00	5.80E+00	J	1.30E+00	5.80E+00	J	ND	--	--
NMED Residential SSL Concentration [d]					3.71E+07			1.53E+06			1.08E+04			3.76E+05			1.50E+07		
NMED Industrial SSL Concentration [d]					3.75E+08			8.33E+06			5.98E+04			2.12E+06			6.10E+07		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	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
	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
	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
	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
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	1.3	11	J	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	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
	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	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
	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
	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
	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
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
	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
	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
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	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
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U	ND	11	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	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
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	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
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	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
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	12	U	ND	5.8	U	ND	5.8	U	ND	5.8	U	ND	12	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	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
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	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
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U	ND	11	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2-Butanone (MEK)			Carbon disulfide			Carbon tetrachloride			Chlorobenzene			Chloroethane (ethyl chloride) [e]		
					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					6.20E+01	1.10E+01	J	ND	--	--	2.70E+00	5.80E+00	J	1.30E+00	5.80E+00	J	ND	--	--
NMED Residential SSL Concentration [d]					3.71E+07			1.53E+06			1.08E+04			3.76E+05			1.50E+07		
NMED Industrial SSL Concentration [d]					3.75E+08			8.33E+06			5.98E+04			2.12E+06			6.10E+07		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*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*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*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*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*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*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*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*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*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*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*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*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*4*	*of 141*		*0*	*of 141*		*1*	*of 141*		*2*	*of 141*		*0*	*of 141*	

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Chloroform			Chloromethane			Dibromochloromethane			1,1-Dichloroethane			1,2-Dichloroethane		
					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	--	--	1.90E+00	5.20E+00	J
NMED Residential SSL Concentration [d]					5.86E+03			2.75E+05			1.21E+04			6.45E+04			7.89E+03		
NMED Industrial SSL Concentration [d]					3.27E+04			1.29E+06			6.24E+04			3.59E+05			4.35E+04		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	5.8	U	ND	12	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	12	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	12	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	11	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	12	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	12	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	12	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	12	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	10	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	5.4	U	ND	11	U	ND	5.4	U	ND	5.4	U	ND	5.4	U
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	5.2	U	ND	10	U	ND	5.2	U	ND	5.2	U	ND	5.2	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	5.8	U	ND	12	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	11	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	12	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	12	U	ND	5.8	U	ND	5.8	U	ND	5.8	U
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	5.6	U	ND	11	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	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	5.6	U	ND	11	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	11	U	ND	5.6	U	ND	5.6	U	ND	5.6	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Chloroform			Chloromethane			Dibromochloromethane			1,1-Dichloroethane			1,2-Dichloroethane		
					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	--	--	1.90E+00	5.20E+00	J
NMED Residential SSL Concentration [d]					5.86E+03			2.75E+05			1.21E+04			6.45E+04			7.89E+03		
NMED Industrial SSL Concentration [d]					3.27E+04			1.29E+06			6.24E+04			3.59E+05			4.35E+04		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	5.2	U	ND	10	U	ND	5.2	U	ND	5.2	U	1.9	5.2	J
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	5.4	U	ND	11	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	11	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	11	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	11	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	11	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	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	5.5	U	ND	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	14,000	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	12	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	11	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	14,000	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	12	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	11	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	12	U	ND	5.9	U	ND	5.9	U	ND	5.9	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Chloroform			Chloromethane			Dibromochloromethane			1,1-Dichloroethane			1,2-Dichloroethane		
					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	--	--	1.90E+00	5.20E+00	J
NMED Residential SSL Concentration [d]					5.86E+03			2.75E+05			1.21E+04			6.45E+04			7.89E+03		
NMED Industrial SSL Concentration [d]					3.27E+04			1.29E+06			6.24E+04			3.59E+05			4.35E+04		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	5.4	U	ND	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	U	ND	5.7	U	ND	5.7	U	ND	5.7	U
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	5.5	U	ND	11	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	11	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	11	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	11	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	11	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	11	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	11	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	12	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	11	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	11	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	11	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	11	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*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	5.5	U	ND	11	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	11	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*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*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	11	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*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	5.5	U	ND	11	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*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	5.8	U	ND	12	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*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	5.6	U	ND	11	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*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	5.7	U	ND	11	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*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	5.6	U	ND	11	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*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	5.7	U	ND	11	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*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	5.6	U	ND	11	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*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	5.5	U	ND	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Chloroform			Chloromethane			Dibromochloromethane			1,1-Dichloroethane			1,2-Dichloroethane		
					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	--	--	1.90E+00	5.20E+00	J
NMED Residential SSL Concentration [d]					5.86E+03			2.75E+05			1.21E+04			6.45E+04			7.89E+03		
NMED Industrial SSL Concentration [d]					3.27E+04			1.29E+06			6.24E+04			3.59E+05			4.35E+04		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	5.6	U	ND	11	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	11	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	11	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	11	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	11	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	11	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	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U
	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	5.5	U	ND	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	11	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	12	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	11	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	11	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	11	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	13	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	11	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	11	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	11	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	11	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	11	U	ND	5.5	U	ND	5.5	U	ND	5.5	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Chloroform			Chloromethane			Dibromochloromethane			1,1-Dichloroethane			1,2-Dichloroethane		
					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	--	--	1.90E+00	5.20E+00	J
NMED Residential SSL Concentration [d]					5.86E+03			2.75E+05			1.21E+04			6.45E+04			7.89E+03		
NMED Industrial SSL Concentration [d]					3.27E+04			1.29E+06			6.24E+04			3.59E+05			4.35E+04		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*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*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*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*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*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*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*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*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*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*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*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*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of*	*141*	*0*	*of*	*141*	*0*	*of*	*141*	*0*	*of*	*141*	*1*	*of*	*141*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	1,1-Dichloroethene			1,2-Dichloroethene (total)			1,2-Dichloropropane			cis-1,3-Dichloropropene			trans-1,3-Dichloropropene		
					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					1.90E+00	5.80E+00	J	1.30E+00	5.80E+00	J	1.30E+01	5.40E+00		ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.49E+05			NE			1.52E+04			NE			NE		
NMED Industrial SSL Concentration [d]					2.29E+06			NE			8.44E+04			NE			NE		
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
	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
	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
	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
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
	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
	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
	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
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
	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
	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
	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
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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	5.5	U	ND	5.5	U	5.7	5.5		ND	5.5	U	ND	5.5	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	5.4	U	ND	5.4	U	13	5.4		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	4.6	5.2	J	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
	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
	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
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	1.9	5.8	J	1.3	5.8	J	ND	5.8	U	ND	5.8	U	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
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	5.5	U	ND	5.5	U	7.7	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	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	1,1-Dichloroethene			1,2-Dichloroethene (total)			1,2-Dichloropropane			cis-1,3-Dichloropropene			trans-1,3-Dichloropropene		
					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					1.90E+00	5.80E+00	J	1.30E+00	5.80E+00	J	1.30E+01	5.40E+00		ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.49E+05			NE			1.52E+04			NE			NE		
NMED Industrial SSL Concentration [d]					2.29E+06			NE			8.44E+04			NE			NE		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	5.2	U	ND	5.2	U	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
	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
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
	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
	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
	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
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
	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
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
	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
	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
	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
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
	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
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
	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
	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
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
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
	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
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
	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
	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
	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
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
	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
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
	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
	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
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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	1,1-Dichloroethene			1,2-Dichloroethene (total)			1,2-Dichloropropane			cis-1,3-Dichloropropene			trans-1,3-Dichloropropene		
					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					1.90E+00	5.80E+00	J	1.30E+00	5.80E+00	J	1.30E+01	5.40E+00		ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.49E+05			NE			1.52E+04			NE			NE		
NMED Industrial SSL Concentration [d]					2.29E+06			NE			8.44E+04			NE			NE		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*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
	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
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*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*		
	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
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*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
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*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
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*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
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*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
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*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
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*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
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*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
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	1,1-Dichloroethene			1,2-Dichloroethene (total)			1,2-Dichloropropane			cis-1,3-Dichloropropene			trans-1,3-Dichloropropene		
					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					1.90E+00	5.80E+00	J	1.30E+00	5.80E+00	J	1.30E+01	5.40E+00		ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.49E+05			NE			1.52E+04			NE			NE		
NMED Industrial SSL Concentration [d]					2.29E+06			NE			8.44E+04			NE			NE		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	1,1-Dichloroethene			1,2-Dichloroethene (total)			1,2-Dichloropropane			cis-1,3-Dichloropropene			trans-1,3-Dichloropropene		
					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					1.90E+00	5.80E+00	J	1.30E+00	5.80E+00	J	1.30E+01	5.40E+00		ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					4.49E+05			NE			1.52E+04			NE			NE		
NMED Industrial SSL Concentration [d]					2.29E+06			NE			8.44E+04			NE			NE		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*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*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*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*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*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*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*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*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*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*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*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*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*1*	*of*	*141*	*1*	*of*	*141*	*4*	*of*	*141*	*0*	*of*	*141*	*0*	*of*	*141*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Ethylbenzene			2-Hexanone [e]			4-Methyl-2-pentanone (MIBK)			Methylene chloride			Styrene		
					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					5.40E+04	7.20E+03		ND	--	--	3.30E+00	1.10E+01	J	9.10E+00	5.50E+00		ND	--	--
NMED Residential SSL Concentration [d]					6.84E+04			2.10E+05			5.82E+06			4.09E+05			7.28E+06		
NMED Industrial SSL Concentration [d]					3.78E+05			1.40E+06			7.38E+07			4.70E+06			5.00E+07		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	5.8	U	ND	12	U	ND	12	U	3.2	5.8	J	ND	5.8	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	5.8	U	ND	12	U	ND	12	U	2.7	5.8	J	ND	5.8	U
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	5.8	U	ND	12	U	ND	12	U	2.5	5.8	J	ND	5.8	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	5.7	U	ND	11	U	ND	11	U	3.5	5.7	J	ND	5.7	U
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	5.8	U	ND	12	U	ND	12	U	2.6	5.8	J	ND	5.8	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	6.0	U	ND	12	U	ND	12	U	3.1	6.0	J	ND	6.0	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	5.9	U	ND	12	U	ND	12	U	2.8	5.9	J	ND	5.9	U
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	5.9	U	ND	12	U	ND	12	U	3.4	5.9	J	ND	5.9	U
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	5.2	U	ND	10	U	ND	10	U	ND	5.2	U	ND	5.2	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	5.6	U
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0038	38	0312160007SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
	CAN127-1273-0058	58	0312160009SA	9/13/1993	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	5.4	U
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	9.1	5.5		ND	5.5	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	9.0	5.5		ND	5.5	U
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	5.1	5.5	J	ND	5.5	U
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	5.7	U	ND	11	U	ND	11	U	5.6	5.7	J	ND	5.7	U
	CAN127-1274-0018	18	0312770005SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	5.1	5.5	J	ND	5.5	U
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	5.6	U
	CAN127-1274-0038	38	0312770008SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	5.6	U
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	ND	5.4	U
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	5.2	U	ND	10	U	ND	10	U	6.5	5.2		ND	5.2	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	ND	5.8	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	ND	5.7	U
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	5.8	U	ND	12	U	ND	12	U	1.7	5.8	J	ND	5.8	U
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	1.3	5.8	J	ND	12	U	ND	12	U	1.8	5.8	J	ND	5.8	U
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	1.9	5.6	J	ND	5.6	U
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	7.2	5.5		ND	5.5	U
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	7.8	5.6		ND	5.6	U
	CAN127-1275-0058	58	0312770019SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	5.2	5.6	J	ND	5.6	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Ethylbenzene			2-Hexanone [e]			4-Methyl-2-pentanone (MIBK)			Methylene chloride			Styrene		
					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					5.40E+04	7.20E+03		ND	--	--	3.30E+00	1.10E+01	J	9.10E+00	5.50E+00		ND	--	--
NMED Residential SSL Concentration [d]					6.84E+04			2.10E+05			5.82E+06			4.09E+05			7.28E+06		
NMED Industrial SSL Concentration [d]					3.78E+05			1.40E+06			7.38E+07			4.70E+06			5.00E+07		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	5.2	U	ND	10	U	ND	10	U	2.1	5.2	J	ND	5.2	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	5.4	U	ND	11	U	ND	11	U	6.8	5.4		ND	5.4	U
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	5.4	U	ND	11	U	ND	11	U	3.7	5.4	J	ND	5.4	U
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	3.5	5.5	J	ND	5.5	U
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	3.6	5.5	J	ND	5.5	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	3.4	5.5	J	ND	5.5	U
	CAN127-1276-0038	38	0312150013SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	2.9	5.5	J	ND	5.5	U
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	1.1	5.5	J	ND	5.5	U
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	5.4	U	ND	11	U	ND	11	U	1.4	5.4	J	ND	5.4	U
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	5.3	UJ	ND	11	UJ	ND	11	U	2.9	5.3	J	ND	5.3	UJ
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	5.4	U	ND	11	U	ND	11	U	2.2	5.4	J	ND	5.4	U
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	ND	5.7	U
	CAN127-1277-0028	28	0311840014SA	9/12/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	5.6	U
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
	CAN127-1277-0058	58	0311840017SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	ND	5.5	U
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	5.3	U	ND	11	U	ND	11	U	3.0	5.3	J	ND	5.3	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	5.4	U	ND	11	U	ND	11	U	3.4	5.4	J	ND	5.4	U
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	1.2	5.5	J	ND	5.5	U
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	5.6	J	ND	11	U	ND	11	U	4.4	5.6	J	ND	5.6	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	ND	5.7	U	ND	11	U	ND	11	U	4.1	5.7	J	ND	5.7	U
	CAN127-1278-0028	28	0311840007SA	9/12/1993	ND	5.6	U	ND	11	U	ND	11	U	3.9	5.6	J	ND	5.6	U
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	2.5	5.5	J	ND	5.5	U
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	ND	5.6	U	ND	11	U	ND	11	U	2.0	5.6	J	ND	5.6	U
	CAN127-1278-0058	58	0312160011SA	9/13/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	ND	5.6	U
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	3,900	7,000	J	ND	14,000	U	ND	14,000	U	ND	7,000	U	ND	7,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	ND	5.8	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	5.7	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	54,000	7,200		ND	14,000	U	ND	14,000	U	ND	7,200	U	ND	7,200	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	5.9	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	5.5	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	5.9	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Ethylbenzene			2-Hexanone [e]			4-Methyl-2-pentanone (MIBK)			Methylene chloride			Styrene		
					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					5.40E+04	7.20E+03		ND	--	--	3.30E+00	1.10E+01	J	9.10E+00	5.50E+00		ND	--	--
NMED Residential SSL Concentration [d]					6.84E+04			2.10E+05			5.82E+06			4.09E+05			7.28E+06		
NMED Industrial SSL Concentration [d]					3.78E+05			1.40E+06			7.38E+07			4.70E+06			5.00E+07		
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	5.4	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	5.3	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	5.7	U	ND	11	U	ND	11	U	1.3	5.7	J	ND	5.7	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	5.5	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	1.2	5.6	J	ND	5.6	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	5.6	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	5.6	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	1.6	5.6	UJ	ND	5.6	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	5.5	U	ND	11	U	ND	11	U	1.2	5.5	UJ	ND	5.5	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	1.5	5.6	UJ	ND	5.6	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	1.6	5.6	UJ	ND	5.6	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	ND	5.4	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	ND	5.7	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	5.7	U	ND	11	U	3.3	11	J	ND	5.7	U	ND	5.7	U
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	6	U	ND	5.5	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	6.1	U	ND	5.5	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	5.7	U	ND	5.4	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	5.5	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	6.9	U	ND	5.6	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	6	U	ND	5.6	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	6.7	U	ND	5.6	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	5.8	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	6	U	ND	5.6	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	6	U	ND	5.6	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	5.6	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	5.5	U	ND	11	U	ND	11	U	6.7	6.7		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*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	6.5	U	ND	5.5	U
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	7	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*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*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	11	U	ND	11	U	ND	6.3	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*		
	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	5.5	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*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	12	U	ND	12	U	ND	6.3	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*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	5.6	U	ND	11	U	ND	11	U	ND	5.7	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*		
	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	5.7	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*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	12	U	ND	12	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*		
	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	5.7	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*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	11	U	ND	11	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*		
	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	5.5	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Ethylbenzene			2-Hexanone [e]			4-Methyl-2-pentanone (MIBK)			Methylene chloride			Styrene		
					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					5.40E+04	7.20E+03		ND	--	--	3.30E+00	1.10E+01	J	9.10E+00	5.50E+00		ND	--	--
NMED Residential SSL Concentration [d]					6.84E+04			2.10E+05			5.82E+06			4.09E+05			7.28E+06		
NMED Industrial SSL Concentration [d]					3.78E+05			1.40E+06			7.38E+07			4.70E+06			5.00E+07		
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	5.6	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	5.4	U	ND	11	U	ND	11	U	4.4	5.4		ND	5.4	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	5.4	U	ND	11	U	ND	11	U	ND	8	U	ND	5.4	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	5.4	U	ND	11	U	ND	11	U	4.2	5.4	J	ND	5.4	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	5.5	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	J	ND	5.5	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	5.5	U
	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	5.5	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	5.4	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	5.4	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	5.4	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	5.6	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	5.5	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	5.3	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	5.5	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	4.4	5.5	J	ND	5.5	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	5.6	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	5.6	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	5.6	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	5.5	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	5.5	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	5.5	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	5.5	U	ND	11	U	ND	11	U	4.6	5.5	J	ND	5.5	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	5.4	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	5.6	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	5.8	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	5.5	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	5.5	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	5.6	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	6.4	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	5.5	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	5.6	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	5.4	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	5.5	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	5.5	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Ethylbenzene			2-Hexanone [e]			4-Methyl-2-pentanone (MIBK)			Methylene chloride			Styrene		
					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					5.40E+04	7.20E+03		ND	--	--	3.30E+00	1.10E+01	J	9.10E+00	5.50E+00		ND	--	--
NMED Residential SSL Concentration [d]					6.84E+04			2.10E+05			5.82E+06			4.09E+05			7.28E+06		
NMED Industrial SSL Concentration [d]					3.78E+05			1.40E+06			7.38E+07			4.70E+06			5.00E+07		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*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*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*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*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*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*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*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*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*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*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*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*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*4*	*of 141*		*0*	*of 141*		*1*	*of 141*		*47*	*of 141*		*0*	*of 141*	

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					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]					8.02E+03			7.02E+03			5.27E+06			1.56E+07			2.81E+03		
NMED Industrial SSL Concentration [d]					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
	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
	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
	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
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
	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
	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
	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
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	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
	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
	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
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	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
	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
	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
	CAN127-1273-0058	58	0312160009SA	9/13/1993	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	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	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
	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
	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
	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
	CAN127-1274-0038	38	0312770008SA	9/14/1993	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	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	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	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
	CAN127-1275-0004	4	0312770013SA	9/14/1993	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	18	5.8		ND	5.8	U	ND	5.8	U
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	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
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	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	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					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]					8.02E+03			7.02E+03			5.27E+06			1.56E+07			2.81E+03		
NMED Industrial SSL Concentration [d]					4.35E+04			3.66E+04			5.77E+07			7.89E+07			1.33E+04		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	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
	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
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
	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
	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
	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
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
	CAN127-1276-0058	58	0312150015SA	9/13/1993	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	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	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	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
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
	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
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	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	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	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
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
	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
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
	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
	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
	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
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
	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
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	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
	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
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					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]					8.02E+03			7.02E+03			5.27E+06			1.56E+07			2.81E+03		
NMED Industrial SSL Concentration [d]					4.35E+04			3.66E+04			5.77E+07			7.89E+07			1.33E+04		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	5.7	U	ND	5.7	U	1.3	5.7	J	ND	5.7	U	ND	5.7	U
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	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*		
	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
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	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*		
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*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
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*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
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*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
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*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	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*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	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*		
	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
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*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
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*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
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					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]					8.02E+03			7.02E+03			5.27E+06			1.56E+07			2.81E+03		
NMED Industrial SSL Concentration [d]					4.35E+04			3.66E+04			5.77E+07			7.89E+07			1.33E+04		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					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]					8.02E+03			7.02E+03			5.27E+06			1.56E+07			2.81E+03		
NMED Industrial SSL Concentration [d]					4.35E+04			3.66E+04			5.77E+07			7.89E+07			1.33E+04		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*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*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*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*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*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*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*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*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*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*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*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*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of 141*		*1*	*of 141*		*30*	*of 141*		*1*	*of 141*		*0*	*of 141*	

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Trichloroethene			Vinyl acetate			Vinyl chloride			Xylenes (total)			Acenaphthene		
					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
NMED Residential SSL Concentration [d]					8.77E+03			2.56E+06			7.28E+02			8.14E+05			3.44E+06		
NMED Industrial SSL Concentration [d]					4.13E+04			1.23E+07			2.61E+04			3.98E+06			3.67E+07		
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
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	5.8	U	ND	12	U	ND	12	U	ND	5.8	U	*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
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	*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
	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
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	5.9	U	ND	12	U	ND	12	U	ND	5.9	U	*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*		
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
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*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*		
	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
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*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*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*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*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*		
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
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*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*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	*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*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*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*		
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
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	*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
	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
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	*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*		
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*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*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*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*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*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Trichloroethene			Vinyl acetate			Vinyl chloride			Xylenes (total)			Acenaphthene		
					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
NMED Residential SSL Concentration [d]					8.77E+03			2.56E+06			7.28E+02			8.14E+05			3.44E+06		
NMED Industrial SSL Concentration [d]					4.13E+04			1.23E+07			2.61E+04			3.98E+06			3.67E+07		
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
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*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	*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*		
	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
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*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*		
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*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	5.4	U	ND	11	U	ND	11	U	ND	5.4	U	*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
	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*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*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
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*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*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*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*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*		
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
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*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*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
	CAN127-1278-0018	18	0311840006SA	9/12/1993	ND	5.7	U	ND	11	U	ND	11	U	ND	5.7	U	*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*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	5.5	U	ND	11	U	ND	11	U	ND	5.5	U	*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*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	ND	5.6	U	ND	11	U	ND	11	U	ND	5.6	U	*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
	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
	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
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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Trichloroethene			Vinyl acetate			Vinyl chloride			Xylenes (total)			Acenaphthene		
					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
NMED Residential SSL Concentration [d]					8.77E+03			2.56E+06			7.28E+02			8.14E+05			3.44E+06		
NMED Industrial SSL Concentration [d]					4.13E+04			1.23E+07			2.61E+04			3.98E+06			3.67E+07		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			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
	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
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	370	U
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			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
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			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
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			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
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			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
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			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
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			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
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			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
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			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
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*			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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Trichloroethene			Vinyl acetate			Vinyl chloride			Xylenes (total)			Acenaphthene		
					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
NMED Residential SSL Concentration [d]					8.77E+03			2.56E+06			7.28E+02			8.14E+05			3.44E+06		
NMED Industrial SSL Concentration [d]					4.13E+04			1.23E+07			2.61E+04			3.98E+06			3.67E+07		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Trichloroethene			Vinyl acetate			Vinyl chloride			Xylenes (total)			Acenaphthene		
					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
NMED Residential SSL Concentration [d]					8.77E+03			2.56E+06			7.28E+02			8.14E+05			3.44E+06		
NMED Industrial SSL Concentration [d]					4.13E+04			1.23E+07			2.61E+04			3.98E+06			3.67E+07		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
Frequency of Detection					*1*	*of 141*		*0*	*of 141*		*0*	*of 141*		*8*	*of 141*		*2*	*of 127*	

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)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
Maximum Detected Concentration					7.80E+01	2.20E+02	J	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	
NMED Residential SSL Concentration [d]					NE			1.72E+07			1.48E+03			1.48E+02			1.48E+03		
NMED Industrial SSL Concentration [d]					NE			1.83E+08			2.34E+04			2.34E+03			2.34E+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
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*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
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*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
	CAN127-1272-0002	2	0313740008SA	9/23/1993	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*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	350	U	48	350	J	510	350		550	350		960	350	
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*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*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	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*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*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*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*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*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	ND	370	U	83	370	J	120	370	J	270	370	J
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*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*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*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*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*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*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	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*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	1,400	U	ND	1,400	U	8,000	1,400		8,600	1,400		17,000	1,400	
	CAN127-1275-0002	2	0312770012SA	9/14/1993	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*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*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*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*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*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*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*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)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
Maximum Detected Concentration					7.80E+01	2.20E+02	J	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	
NMED Residential SSL Concentration [d]					NE			1.72E+07			1.48E+03			1.48E+02			1.48E+03		
NMED Industrial SSL Concentration [d]					NE			1.83E+08			2.34E+04			2.34E+03			2.34E+04		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	340	U	ND	340	U	160	340	J	230	340	J	410	340	
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*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*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*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
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*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*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	ND	350	U	190	350	J	180	350	J	390	350	
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*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*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	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*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*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*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*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*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	ND	1,400	U	150	1,400	J	180	1,400	J	380	1,400	J
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*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*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	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*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*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*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*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*		
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
	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
	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
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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)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
Maximum Detected Concentration					7.80E+01	2.20E+02	J	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	
NMED Residential SSL Concentration [d]					NE			1.72E+07			1.48E+03			1.48E+02			1.48E+03		
NMED Industrial SSL Concentration [d]					NE			1.83E+08			2.34E+04			2.34E+03			2.34E+04		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	360	U	68	360	J	910	360		1100	360		1,100	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	UJ
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ
	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
	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
	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
	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
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	360	U	100	360	J	1,100	360		1300	360		2,000	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
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	ND	370	UJ
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	360	U	56	360	J	660	360		800	360		1,600	360	
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	ND	360	U	95	360	J	130	360	J	310	360	J
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	360	UJ	ND	360	UJ	89	360	J	110	360	J	230	360	J
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	360	UJ	ND	360	UJ	91	360	J	100	360	J	250	360	J
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)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
Maximum Detected Concentration					7.80E+01	2.20E+02	J	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	
NMED Residential SSL Concentration [d]					NE			1.72E+07			1.48E+03			1.48E+02			1.48E+03		
NMED Industrial SSL Concentration [d]					NE			1.83E+08			2.34E+04			2.34E+03			2.34E+04		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	370	U	52	370	J	450	370		640	370		750	370	
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	ND	360	U	96	360	J	140	360	J	150	360	J
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	37	360	J
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	370	U	44	370	J	370	370		580	370		640	370	
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	ND	360	U	260	360	J	400	360		420	360	
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	350	U	ND	350	U	ND	350	U	43	350	J	74	350	J
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	ND	370	U	84	370	J	110	370	J	100	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Acenaphthylene			Anthracene			Benzo(a)anthracene			Benzo(a)pyrene			Benzo(b)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
Maximum Detected Concentration					7.80E+01	2.20E+02	J	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	
NMED Residential SSL Concentration [d]					NE			1.72E+07			1.48E+03			1.48E+02			1.48E+03		
NMED Industrial SSL Concentration [d]					NE			1.83E+08			2.34E+04			2.34E+03			2.34E+04		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	ND	230	U	ND	12	U	2.0	12	J	3.7	12	J	ND	23	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	ND	240	U	ND	12	U	7.0	12	J	25	12		42	24	
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	ND	230	U	ND	11	U	2.4	11	J	7.3	11	J	ND	23	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	ND	230	U	ND	12	U	ND	12	U	ND	12	U	ND	23	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	ND	230	U	ND	11	U	ND	11	U	ND	11	U	ND	23	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	ND	230	U	ND	11	U	6.3	11	J	5.0	11	J	ND	23	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	ND	230	U	ND	12	U	ND	12	U	ND	12	U	ND	23	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	ND	230	U	ND	12	U	ND	12	U	ND	12	U	ND	23	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	ND	240	U	ND	12	U	6.3	12	J	6.7	12	J	8.6	24	J
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	ND	230	U	ND	12	U	9.5	12	J	9.5	12	J	13	23	J
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	25	220	J	ND	11	U	53	11		68	11		84	22	
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	36	220	J	ND	11	U	2.6	11	J	3.6	11	J	ND	22	U
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	ND	220	U	ND	11	U	82	11		130	11		170	22	
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	ND	210	U	ND	11	U	110	11		140	11		170	21	
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	ND	220	U	ND	11	U	120	11		190	11		230	22	
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	ND	220	U	ND	11	U	5.8	11	J	9.1	11	J	11	22	J
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	27	230	J	ND	12	U	29	12		44	12		56	23	
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	47	210	J	ND	11	U	40	11		67	11		81	21	
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	ND	210	U	ND	11	U	28	11		51	11		63	21	
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	78	220	J	3.6	11	J	61	11		110	11		140	22	
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	ND	220	U	ND	11	U	ND	11	U	2.6	11	J	ND	22	U
Frequency of Detection					*5*	*of*	*127*	*7*	*of*	*127*	*33*	*of*	*127*	*35*	*of*	*127*	*31*	*of*	*127*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Benzoic acid [e]			Benzyl alcohol [e]			bis(2-Chloroethoxy) methane [e]		
					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					5.10E+03	1.40E+03		1.60E+03	1.10E+01		4.80E+01	1.80E+03	J	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			1.48E+04			2.40E+05			6.10E+06			1.80E+05		
NMED Industrial SSL Concentration [d]					NE			2.34E+05			2.50E+06			6.20E+07			1.80E+06		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	380	U	ND	380	U	*not sampled*			ND	380	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	380	U	ND	380	U	*not sampled*			ND	380	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*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	*not sampled*			ND	380	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	400	U	ND	400	U	*not sampled*			ND	400	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*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*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	470	350		ND	350	U	*not sampled*			ND	350	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*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*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	360	U	ND	360	U	*not sampled*			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*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*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*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*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*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	72	370	J	ND	370	U	*not sampled*			ND	370	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*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*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*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*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*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*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	360	U	ND	360	U	*not sampled*			ND	360	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	5,100	1,400		ND	1,400	U	*not sampled*			ND	1,400	U	ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	380	U	ND	380	U	*not sampled*			ND	380	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*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*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*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*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*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*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Benzoic acid [e]			Benzyl alcohol [e]			bis(2-Chloroethoxy) methane [e]		
					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					5.10E+03	1.40E+03		1.60E+03	1.10E+01		4.80E+01	1.80E+03	J	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			1.48E+04			2.40E+05			6.10E+06			1.80E+05		
NMED Industrial SSL Concentration [d]					NE			2.34E+05			2.50E+06			6.20E+07			1.80E+06		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	190	340	J	ND	340	U	*not sampled*			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*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*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*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	360	U	ND	360	U	*not sampled*			ND	360	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*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*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	91	350	J	ND	350	U	*not sampled*			ND	350	U	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*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*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	360	U	ND	360	U	*not sampled*			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*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*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*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*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*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	ND	1,400	U	*not sampled*			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*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*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	*not sampled*			ND	370	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*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*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*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*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*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	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	380	U	ND	1800	U	ND	380	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	380	U	ND	380	U	ND	1800	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	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	390	U	ND	1900	U	ND	390	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	360	U	ND	360	U	ND	1800	U	ND	360	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	390	U	ND	390	U	ND	1900	U	ND	390	U	ND	390	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Benzoic acid [e]			Benzyl alcohol [e]			bis(2-Chloroethoxy) methane [e]		
					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					5.10E+03	1.40E+03		1.60E+03	1.10E+01		4.80E+01	1.80E+03	J	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			1.48E+04			2.40E+05			6.10E+06			1.80E+05		
NMED Industrial SSL Concentration [d]					NE			2.34E+05			2.50E+06			6.20E+07			1.80E+06		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	700	360		1600	360		ND	1700	U	ND	360	U	ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	350	U	ND	350	U	ND	1700	U	ND	350	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	370	U	ND	370	U	ND	1800	U	ND	370	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	370	U	ND	370	U	ND	1800	U	ND	370	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	370	U	ND	370	U	ND	1800	U	ND	370	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	370	U	ND	370	U	ND	1800	U	ND	370	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	370	U	ND	370	U	ND	1800	U	ND	370	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	370	U	ND	370	U	ND	1800	U	ND	370	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	360	U	ND	360	U	ND	1800	U	ND	360	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	370	U	ND	370	U	ND	1800	U	ND	370	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	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	780	360		ND	360	U	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	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	370	U	ND	370	U	ND	1,800	U	ND	370	U	ND	370	U
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	640	360		ND	360	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	370	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	360	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	360	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	370	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	370	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	370	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	380	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	370	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	370	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	370	U	ND	1,800	U	ND	370	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	100	360	J	ND	360	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	360	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	360	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	370	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	370	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	380	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	380	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	360	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	360	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	380	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	380	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	370	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	370	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	380	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	380	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	370	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	370	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	370	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	370	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	370	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	370	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	360	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	360	U	ND	1,800	U	ND	360	U	ND	360	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Benzoic acid [e]			Benzyl alcohol [e]			bis(2-Chloroethoxy) methane [e]		
					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					5.10E+03	1.40E+03		1.60E+03	1.10E+01		4.80E+01	1.80E+03	J	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			1.48E+04			2.40E+05			6.10E+06			1.80E+05		
NMED Industrial SSL Concentration [d]					NE			2.34E+05			2.50E+06			6.20E+07			1.80E+06		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	340	370	J	800	370		ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	90	360	J	170	360	J	ND	1,700	U	ND	360	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	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	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	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	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	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	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	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	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	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	340	370	J	720	370		ND	1,800	U	ND	370	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	270	360	J	470	360		48	1,800	J	ND	360	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	350	U	ND	350	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	360	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	360	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	370	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	370	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	370	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	360	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	360	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	360	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	370	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	360	U	ND	1,700	U	ND	360	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	88	370	J	190	370	J	ND	1,800	U	ND	370	U	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	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	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	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	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	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	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	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	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	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	360	U	ND	360	U	ND	1,800	U	ND	360	U	ND	360	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzo(g,h,i)perylene			Benzo(k)fluoranthene			Benzoic acid [e]			Benzyl alcohol [e]			bis(2-Chloroethoxy) methane [e]		
					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					5.10E+03	1.40E+03		1.60E+03	1.10E+01		4.80E+01	1.80E+03	J	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			1.48E+04			2.40E+05			6.10E+06			1.80E+05		
NMED Industrial SSL Concentration [d]					NE			2.34E+05			2.50E+06			6.20E+07			1.80E+06		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	2.5	23	J	2.3	12	J	*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	65	24		18	12		*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	9.0	23	J	4.1	11	J	*not sampled*			*not sampled*			*not sampled*		
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	ND	23	U	ND	12	U	*not sampled*			*not sampled*			*not sampled*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	ND	23	U	ND	11	U	*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	3.4	23	J	3.3	11	J	*not sampled*			*not sampled*			*not sampled*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	ND	23	U	ND	12	U	*not sampled*			*not sampled*			*not sampled*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	ND	23	U	ND	12	U	*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	5.0	24	J	3.4	12	J	*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	7.5	23	J	5	12	J	*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	83	22		33	11		*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	4.0	22	J	2.2	11	J	*not sampled*			*not sampled*			*not sampled*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	170	22		78	11		*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	170	21		65	11		*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	230	22		88	11		*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	ND	22	U	4.5	11	J	*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	59	23		31	12		*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	81	21		31	11		*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	66	21		39	11		*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	160	22		47	11		*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	ND	22	U	2	11	J	*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*29*	*of*	*127*	*23*	*of*	*127*	*1*	*of*	*90*	*0*	*of*	*106*	*0*	*of*	*106*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	bis(2-Chloroethyl) ether			bis(2-Chloroisopropyl) ether			bis(2-Ethylhexyl) phthalate			4-Bromophenyl phenyl ether			Butyl benzyl phthalate [e]		
					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	--	--	1.30E+04	1.40E+03		ND	--	--	1.10E+02	3.80E+02	J
NMED Residential SSL Concentration [d]					2.68E+03			9.15E+04			3.47E+05			NE			2.60E+05		
NMED Industrial SSL Concentration [d]					1.42E+04			4.54E+05			1.37E+06			NE			9.10E+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
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*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	110	380	J
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*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
	CAN127-1272-0002	2	0313740008SA	9/23/1993	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*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*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	80	350	J	ND	350	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*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*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	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*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*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*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*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*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	ND	370	U	40	370	UJ	ND	370	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*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*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*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*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*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*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	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*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	1,400	U	ND	1,400	U	140	1,400	UJ	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
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*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*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*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*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*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*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	bis(2-Chloroethyl) ether			bis(2-Chloroisopropyl) ether			bis(2-Ethylhexyl) phthalate			4-Bromophenyl phenyl ether			Butyl benzyl phthalate [e]		
					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	--	--	1.30E+04	1.40E+03		ND	--	--	1.10E+02	3.80E+02	J
NMED Residential SSL Concentration [d]					2.68E+03			9.15E+04			3.47E+05			NE			2.60E+05		
NMED Industrial SSL Concentration [d]					1.42E+04			4.54E+05			1.37E+06			NE			9.10E+05		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	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*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*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*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	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*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	ND	350	U	37	350	J	ND	350	U	ND	350	J
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*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*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	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*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*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*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*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*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	ND	1,400	U	13000	1,400		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*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*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
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*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*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*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*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*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
	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
	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
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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	bis(2-Chloroethyl) ether			bis(2-Chloroisopropyl) ether			bis(2-Ethylhexyl) phthalate			4-Bromophenyl phenyl ether			Butyl benzyl phthalate [e]		
					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	--	--	1.30E+04	1.40E+03		ND	--	--	1.10E+02	3.80E+02	J
NMED Residential SSL Concentration [d]					2.68E+03			9.15E+04			3.47E+05			NE			2.60E+05		
NMED Industrial SSL Concentration [d]					1.42E+04			4.54E+05			1.37E+06			NE			9.10E+05		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	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
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	360	U	ND	360	U	68	360	J	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	ND	360	U	ND	780	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
	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
	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
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	370	UJ	ND	370	UJ	ND	410	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
	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
	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
	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
	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
	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
	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
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	370	U	ND	370	U	ND	950	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
	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
	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
	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
	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
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	370	U	ND	370	U	ND	600	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
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	370	U	ND	370	U	ND	590	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
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	360	U	ND	360	U	ND	540	U	ND	360	U	ND	360	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	bis(2-Chloroethyl) ether			bis(2-Chloroisopropyl) ether			bis(2-Ethylhexyl) phthalate			4-Bromophenyl phenyl ether			Butyl benzyl phthalate [e]		
					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	--	--	1.30E+04	1.40E+03		ND	--	--	1.10E+02	3.80E+02	J
NMED Residential SSL Concentration [d]					2.68E+03			9.15E+04			3.47E+05			NE			2.60E+05		
NMED Industrial SSL Concentration [d]					1.42E+04			4.54E+05			1.37E+06			NE			9.10E+05		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	370	U	ND	370	U	450	370		ND	370	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	ND	360	U	300	360	J	ND	360	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	360	U	ND	360	U	290	360	J	ND	360	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	360	U	ND	360	U	290	360	J	ND	360	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	360	U	ND	360	U	310	360	J	ND	360	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	360	U	ND	360	U	550	360		ND	360	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	360	U	ND	360	U	270	360	J	ND	360	U	ND	360	U
	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	360	U	ND	360	U	710	360		ND	360	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	360	U	ND	360	U	550	360		ND	360	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	360	U	ND	360	U	830	360		ND	360	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	350	U	ND	350	U	640	350		ND	350	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	370	U	ND	370	U	350	370	J	ND	370	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	ND	360	U	44	360	J	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
	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
	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
	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
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	370	U	ND	370	U	170	370	J	ND	370	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	370	U	ND	370	U	40	370	J	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
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	360	U	ND	360	U	190	360	J	ND	360	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	360	U	ND	360	U	54	360	J	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
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	360	U	ND	360	U	44	360	J	ND	360	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	ND	370	U	41	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	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
	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
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	370	U	ND	370	U	4700	370		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
	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
	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
	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
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	360	U	ND	360	U	90	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	ND	360	U	ND	360	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	bis(2-Chloroethyl) ether			bis(2-Chloroisopropyl) ether			bis(2-Ethylhexyl) phthalate			4-Bromophenyl phenyl ether			Butyl benzyl phthalate [e]		
					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	--	--	1.30E+04	1.40E+03		ND	--	--	1.10E+02	3.80E+02	J
NMED Residential SSL Concentration [d]					2.68E+03			9.15E+04			3.47E+05			NE			2.60E+05		
NMED Industrial SSL Concentration [d]					1.42E+04			4.54E+05			1.37E+06			NE			9.10E+05		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*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*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*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*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*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*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*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*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*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*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*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*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of*	*106*	*0*	*of*	*106*	*25*	*of*	*106*	*0*	*of*	*106*	*2*	*of*	*106*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Carbazole			4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [e]			4-Chloroaniline [e]			2-Chloronaphthalene			2-Chlorophenol		
					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					1.50E+03	1.40E+03		ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			6.10E+06			2.40E+03			6.26E+06			3.91E+05		
NMED Industrial SSL Concentration [d]					NE			6.20E+07			8.60E+03			9.08E+07			5.68E+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
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*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
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*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
	CAN127-1272-0002	2	0313740008SA	9/23/1993	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*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	46	350	J	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*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*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
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*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*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*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*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*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
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*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*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*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*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*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*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	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*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	1500	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
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*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*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*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*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*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*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Carbazole			4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [e]			4-Chloroaniline [e]			2-Chloronaphthalene			2-Chlorophenol		
					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					1.50E+03	1.40E+03		ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			6.10E+06			2.40E+03			6.26E+06			3.91E+05		
NMED Industrial SSL Concentration [d]					NE			6.20E+07			8.60E+03			9.08E+07			5.68E+06		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	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*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*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*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	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*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	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*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*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
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*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*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*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*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*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
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*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*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	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*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*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*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*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*		
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
	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
	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
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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Carbazole			4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [e]			4-Chloroaniline [e]			2-Chloronaphthalene			2-Chlorophenol		
					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					1.50E+03	1.40E+03		ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			6.10E+06			2.40E+03			6.26E+06			3.91E+05		
NMED Industrial SSL Concentration [d]					NE			6.20E+07			8.60E+03			9.08E+07			5.68E+06		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	170	360	J	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	170	360	J	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
	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
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	120	360	J	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Carbazole			4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [e]			4-Chloroaniline [e]			2-Chloronaphthalene			2-Chlorophenol		
					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					1.50E+03	1.40E+03		ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			6.10E+06			2.40E+03			6.26E+06			3.91E+05		
NMED Industrial SSL Concentration [d]					NE			6.20E+07			8.60E+03			9.08E+07			5.68E+06		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	100	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	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
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	98	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	45	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Carbazole			4-Chloro-3-methylphenol (Cresol, p-chloro-m-) [e]			4-Chloroaniline [e]			2-Chloronaphthalene			2-Chlorophenol		
					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					1.50E+03	1.40E+03		ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					NE			6.10E+06			2.40E+03			6.26E+06			3.91E+05		
NMED Industrial SSL Concentration [d]					NE			6.20E+07			8.60E+03			9.08E+07			5.68E+06		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*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*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*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*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*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*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*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*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*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*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*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*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*8*	*of 106*		*0*	*of 106*		*0*	*of 106*		*0*	*of 106*		*0*	*of 106*	

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					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]					NE			1.48E+05			6.10E+06			6.10E+05			1.48E+02		
NMED Industrial SSL Concentration [d]					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
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	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*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	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
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*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*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	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*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*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
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*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*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*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*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	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*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*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*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*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*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*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
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	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
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*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*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*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*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*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*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					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]					NE			1.48E+05			6.10E+06			6.10E+05			1.48E+02		
NMED Industrial SSL Concentration [d]					NE			2.34E+06			6.20E+07			6.20E+06			2.34E+03		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	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*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*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*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	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*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	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*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*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
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*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*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*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*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	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*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*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
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*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*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*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*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*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
	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
	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
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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					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]					NE			1.48E+05			6.10E+06			6.10E+05			1.48E+02		
NMED Industrial SSL Concentration [d]					NE			2.34E+06			6.20E+07			6.20E+06			2.34E+03		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	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
	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
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	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	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	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
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	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
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					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]					NE			1.48E+05			6.10E+06			6.10E+05			1.48E+02		
NMED Industrial SSL Concentration [d]					NE			2.34E+06			6.20E+07			6.20E+06			2.34E+03		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	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	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
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	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	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	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	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	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
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	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	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
	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
	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
	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
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	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	160	360	J	ND	360	U	ND	360	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					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]					NE			1.48E+05			6.10E+06			6.10E+05			1.48E+02		
NMED Industrial SSL Concentration [d]					NE			2.34E+06			6.20E+07			6.20E+06			2.34E+03		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*			29	12		*not sampled*			*not sampled*			41	24	
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*			ND	12	U	*not sampled*			*not sampled*			ND	23	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*			8.4	11	J	*not sampled*			*not sampled*			ND	23	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			ND	12	U	*not sampled*			*not sampled*			ND	23	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			ND	12	U	*not sampled*			*not sampled*			ND	23	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*			15	12		*not sampled*			*not sampled*			ND	23	U
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			89	11		*not sampled*			*not sampled*			45	22	
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			5.0	11	J	*not sampled*			*not sampled*			ND	22	U
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			150	11		*not sampled*			*not sampled*			98	22	
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			180	11		*not sampled*			*not sampled*			94	21	
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			210	11		*not sampled*			*not sampled*			140	22	
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			10	11	J	*not sampled*			*not sampled*			ND	22	U
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			54	12		*not sampled*			*not sampled*			31	23	
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			77	11		*not sampled*			*not sampled*			47	21	
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			53	11		*not sampled*			*not sampled*			36	21	
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			110	11		*not sampled*			*not sampled*			110	22	
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			3.0	11	J	*not sampled*			*not sampled*			ND	22	U
Frequency of Detection					*0*	*of*	*106*	*36*	*of*	*127*	*10*	*of*	*106*	*2*	*of*	*106*	*16*	*of*	*127*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibenzofuran [e]			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,4-Dichlorophenol		
					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	--	--
NMED Residential SSL Concentration [d]					NE			2.31E+06			NE			3.17E+04			1.83E+05		
NMED Industrial SSL Concentration [d]					NE			1.40E+07			NE			1.77E+05			2.05E+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
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*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
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*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
	CAN127-1272-0002	2	0313740008SA	9/23/1993	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*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*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
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*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*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	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*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*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*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*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*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	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*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*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*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*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*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*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
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*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
	CAN127-1275-0002	2	0312770012SA	9/14/1993	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*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*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*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*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*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*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*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibenzofuran [e]			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,4-Dichlorophenol		
					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	--	--
NMED Residential SSL Concentration [d]					NE			2.31E+06			NE			3.17E+04			1.83E+05		
NMED Industrial SSL Concentration [d]					NE			1.40E+07			NE			1.77E+05			2.05E+06		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	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*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*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*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	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*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	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*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*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
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*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*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*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*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*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
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*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*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	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*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*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*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*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*		
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
	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
	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
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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibenzofuran [e]			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,4-Dichlorophenol		
					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	--	--
NMED Residential SSL Concentration [d]					NE			2.31E+06			NE			3.17E+04			1.83E+05		
NMED Industrial SSL Concentration [d]					NE			1.40E+07			NE			1.77E+05			2.05E+06		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibenzofuran [e]			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,4-Dichlorophenol		
					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	--	--
NMED Residential SSL Concentration [d]					NE			2.31E+06			NE			3.17E+04			1.83E+05		
NMED Industrial SSL Concentration [d]					NE			1.40E+07			NE			1.77E+05			2.05E+06		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Dibenzofuran [e]			1,2-Dichlorobenzene			1,3-Dichlorobenzene			1,4-Dichlorobenzene			2,4-Dichlorophenol		
					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	--	--
NMED Residential SSL Concentration [d]					NE			2.31E+06			NE			3.17E+04			1.83E+05		
NMED Industrial SSL Concentration [d]					NE			1.40E+07			NE			1.77E+05			2.05E+06		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*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*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*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*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*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*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*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*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*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*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*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*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*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*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	3,3'-Dichlorobenzidine			Diethyl phthalate			2,4-Dimethylphenol			Dimethyl phthalate			4,6-Dinitro-2-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
Maximum Detected Concentration					ND	--	--	4.60E+01	3.60E+02	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.08E+04			4.89E+07			1.22E+06			6.11E+08			4.89E+03		
NMED Industrial SSL Concentration [d]					4.26E+04			5.47E+08			1.37E+07			6.84E+09			5.47E+04		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	760	U	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	760	U	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	760	U	ND	380	U	ND	380	U	ND	380	U	ND	1,900	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	800	U	ND	400	U	ND	400	U	ND	400	U	ND	1,900	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*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*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	690	U	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*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*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*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*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*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*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*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*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*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*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*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*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	2,800	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	6,700	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	760	U	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*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*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*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*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*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*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	3,3'-Dichlorobenzidine			Diethyl phthalate			2,4-Dimethylphenol			Dimethyl phthalate			4,6-Dinitro-2-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
Maximum Detected Concentration					ND	--	--	4.60E+01	3.60E+02	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.08E+04			4.89E+07			1.22E+06			6.11E+08			4.89E+03		
NMED Industrial SSL Concentration [d]					4.26E+04			5.47E+08			1.37E+07			6.84E+09			5.47E+04		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	690	U	ND	340	U	ND	340	U	ND	340	U	ND	1,700	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*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*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*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*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	690	U	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*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*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*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*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*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*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	2,800	U	ND	1,400	U	ND	1,400	U	ND	1,400	U	ND	6,800	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*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*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*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*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*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*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	74,000	U	ND	37,000	U	ND	37,000	U	ND	37,000	U	ND	180,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	760	U	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	750	U	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	76,000	U	ND	38,000	U	ND	38,000	U	ND	38,000	U	ND	180,000	U
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	780	U	ND	390	U	ND	390	U	ND	390	U	ND	1,900	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	780	U	ND	390	U	ND	390	U	ND	390	U	ND	1,900	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	3,3'-Dichlorobenzidine			Diethyl phthalate			2,4-Dimethylphenol			Dimethyl phthalate			4,6-Dinitro-2-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
Maximum Detected Concentration					ND	--	--	4.60E+01	3.60E+02	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.08E+04			4.89E+07			1.22E+06			6.11E+08			4.89E+03		
NMED Industrial SSL Concentration [d]					4.26E+04			5.47E+08			1.37E+07			6.84E+09			5.47E+04		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	710	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	700	U	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	750	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	750	U	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	750	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	750	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	760	U	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	720	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	720	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	ND	740	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	ND	750	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	1,800	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	750	U	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	ND	730	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	ND	770	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	1,900	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	770	U	ND	380	U	ND	380	U	ND	380	U	ND	1,900	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	ND	740	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	ND	760	UJ	ND	380	UJ	ND	380	UJ	ND	380	UJ	ND	1,800	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	760	U	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	ND	730	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	ND	750	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	750	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	ND	730	UJ	ND	370	UJ	ND	370	UJ	ND	370	UJ	ND	1,800	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	ND	730	UJ	ND	360	UJ	ND	360	UJ	ND	360	UJ	ND	1,800	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	3,3'-Dichlorobenzidine			Diethyl phthalate			2,4-Dimethylphenol			Dimethyl phthalate			4,6-Dinitro-2-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
Maximum Detected Concentration					ND	--	--	4.60E+01	3.60E+02	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.08E+04			4.89E+07			1.22E+06			6.11E+08			4.89E+03		
NMED Industrial SSL Concentration [d]					4.26E+04			5.47E+08			1.37E+07			6.84E+09			5.47E+04		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	710	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	710	U	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	700	U	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	710	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	760	U	ND	380	U	ND	380	U	ND	380	U	ND	1,800	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	740	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	840	U	ND	420	U	ND	420	U	ND	420	U	ND	2,000	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	720	U	ND	360	U	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	730	U	ND	370	U	ND	370	U	ND	370	U	ND	1,800	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	710	U	ND	350	U	ND	350	U	ND	350	U	ND	1,700	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	720	U	46	360	J	ND	360	U	ND	360	U	ND	1,700	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	730	U	ND	360	U	ND	360	U	ND	360	U	ND	1,800	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	3,3'-Dichlorobenzidine			Diethyl phthalate			2,4-Dimethylphenol			Dimethyl phthalate			4,6-Dinitro-2-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
Maximum Detected Concentration					ND	--	--	4.60E+01	3.60E+02	J	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.08E+04			4.89E+07			1.22E+06			6.11E+08			4.89E+03		
NMED Industrial SSL Concentration [d]					4.26E+04			5.47E+08			1.37E+07			6.84E+09			5.47E+04		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*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*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*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*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*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*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*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*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*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*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*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*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of*	*106*	*1*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			Fluoranthene			Fluorene		
					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	--	--	1.70E+04	1.40E+03		2.90E+02	1.40E+03	J
NMED Residential SSL Concentration [d]					1.22E+05			1.57E+04			6.11E+04			2.29E+06			2.29E+06		
NMED Industrial SSL Concentration [d]					1.37E+06			6.18E+04			6.84E+05			2.44E+07			2.44E+07		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	1,800	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*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	1,800	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*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	1,900	U	ND	380	U	ND	380	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	400	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*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*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	1,700	U	ND	350	U	ND	350	U	1500	350		ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*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*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	1,800	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*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*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*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*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*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	1,800	U	ND	370	U	ND	370	U	300	370	J	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*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*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*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*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*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*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	1,800	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*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	6,700	U	ND	1,400	U	ND	1,400	U	17,000	1,400		290	1,400	J
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	1,800	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*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*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*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*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*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*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*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			Fluoranthene			Fluorene		
					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	--	--	1.70E+04	1.40E+03		2.90E+02	1.40E+03	J
NMED Residential SSL Concentration [d]					1.22E+05			1.57E+04			6.11E+04			2.29E+06			2.29E+06		
NMED Industrial SSL Concentration [d]					1.37E+06			6.18E+04			6.84E+05			2.44E+07			2.44E+07		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	1,700	U	ND	340	U	ND	340	U	570	340		ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*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*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*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	360	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*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*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	1,700	U	ND	350	U	ND	350	U	470	350		ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*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*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	1,800	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*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*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*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*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*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	6,800	U	ND	1,400	U	ND	1,400	U	440	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*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*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	370	U	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*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*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*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*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*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
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	1,800	U	ND	380	U	ND	380	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	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
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	1,900	U	ND	390	U	ND	390	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	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	390	U	ND	390	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			Fluoranthene			Fluorene		
					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	--	--	1.70E+04	1.40E+03		2.90E+02	1.40E+03	J
NMED Residential SSL Concentration [d]					1.22E+05			1.57E+04			6.11E+04			2.29E+06			2.29E+06		
NMED Industrial SSL Concentration [d]					1.37E+06			6.18E+04			6.84E+05			2.44E+07			2.44E+07		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	1,700	U	ND	360	U	ND	360	U	2,800	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	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	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	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	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	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	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	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	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	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
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	1,700	U	ND	360	U	ND	360	U	3,000	360		44	360	J
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	1,800	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
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	1,800	U	ND	360	U	ND	360	U	1800	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	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
	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
	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
	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
	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
	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
	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
	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
	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
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	1,800	U	ND	360	U	ND	360	U	310	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	310	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	310	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	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			Fluoranthene			Fluorene		
					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	--	--	1.70E+04	1.40E+03		2.90E+02	1.40E+03	J
NMED Residential SSL Concentration [d]					1.22E+05			1.57E+04			6.11E+04			2.29E+06			2.29E+06		
NMED Industrial SSL Concentration [d]					1.37E+06			6.18E+04			6.84E+05			2.44E+07			2.44E+07		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	1,400	370		ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	1,700	U	ND	360	U	ND	360	U	330	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	50	360	J	ND	360	U
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	1,800	U	ND	370	U	ND	370	U	1,200	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	860	360		ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	1,700	U	ND	350	U	ND	350	U	110	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	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
	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
	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
	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
	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
	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
	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
	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
	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
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	1,800	U	ND	370	U	ND	370	U	270	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	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	2,4-Dinitrophenol			2,4-Dinitrotoluene			2,6-Dinitrotoluene			Fluoranthene			Fluorene		
					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	--	--	1.70E+04	1.40E+03		2.90E+02	1.40E+03	J
NMED Residential SSL Concentration [d]					1.22E+05			1.57E+04			6.11E+04			2.29E+06			2.29E+06		
NMED Industrial SSL Concentration [d]					1.37E+06			6.18E+04			6.84E+05			2.44E+07			2.44E+07		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			ND	23	U	ND	23	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			58	24		ND	24	U
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			ND	23	U	ND	23	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			ND	23	U	ND	23	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			ND	23	U	ND	23	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			33	23		ND	23	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			ND	23	U	ND	23	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			ND	23	U	ND	23	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			32	24		ND	24	U
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			42	23		ND	23	U
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			250	22		ND	22	U
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			14	22	J	ND	22	U
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			470	22		ND	22	U
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			510	21		ND	21	U
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			650	22E		ND	22	U
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			30	22		ND	22	U
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			160	23		ND	23	U
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			200	21		ND	21	U
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			170	21		ND	21	U
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			ND	22	U	ND	22	U
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			ND	22	U	ND	22	U
Frequency of Detection					*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*32*	*of*	*127*	*2*	*of*	*127*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene			Hexachloroethane			Indeno(1,2,3-cd)pyrene		
					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	--	--	5.10E+03	1.40E+03	
NMED Residential SSL Concentration [d]					3.04E+03			6.11E+04			3.67E+05			4.28E+04			1.48E+03		
NMED Industrial SSL Concentration [d]					1.20E+04			2.46E+05			4.10E+06			4.79E+05			2.34E+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
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*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
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*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
	CAN127-1272-0002	2	0313740008SA	9/23/1993	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*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*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	390	350	
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*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*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	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*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*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*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*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*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	ND	370	U	ND	370	U	ND	370	U	68	370	J
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*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*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*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*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*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*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	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*		
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	5,100	1,400	
	CAN127-1275-0002	2	0312770012SA	9/14/1993	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*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*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*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*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*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*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*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene			Hexachloroethane			Indeno(1,2,3-cd)pyrene		
					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	--	--	5.10E+03	1.40E+03	
NMED Residential SSL Concentration [d]					3.04E+03			6.11E+04			3.67E+05			4.28E+04			1.48E+03		
NMED Industrial SSL Concentration [d]					1.20E+04			2.46E+05			4.10E+06			4.79E+05			2.34E+04		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	340	U	ND	340	U	ND	340	U	ND	340	U	160	340	J
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*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*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*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
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*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*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	ND	350	U	ND	350	U	ND	350	U	93	350	J
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*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*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	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*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*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*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*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*		
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
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*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*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	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*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*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*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*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*		
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
	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
	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
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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene			Hexachloroethane			Indeno(1,2,3-cd)pyrene		
					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	--	--	5.10E+03	1.40E+03	
NMED Residential SSL Concentration [d]					3.04E+03			6.11E+04			3.67E+05			4.28E+04			1.48E+03		
NMED Industrial SSL Concentration [d]					1.20E+04			2.46E+05			4.10E+06			4.79E+05			2.34E+04		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	700	360	
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	800	360	
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	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
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	570	360	
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	88	360	J
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene			Hexachloroethane			Indeno(1,2,3-cd)pyrene		
					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	--	--	5.10E+03	1.40E+03	
NMED Residential SSL Concentration [d]					3.04E+03			6.11E+04			3.67E+05			4.28E+04			1.48E+03		
NMED Industrial SSL Concentration [d]					1.20E+04			2.46E+05			4.10E+06			4.79E+05			2.34E+04		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	360	370	J
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	94	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
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	340	370	J
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	ND	360	U	ND	360	U	ND	360	U	260	360	J
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	ND	370	U	ND	370	U	ND	370	U	83	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Hexachlorobenzene			Hexachlorobutadiene			Hexachlorocyclopentadiene			Hexachloroethane			Indeno(1,2,3-cd)pyrene		
					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	--	--	5.10E+03	1.40E+03	
NMED Residential SSL Concentration [d]					3.04E+03			6.11E+04			3.67E+05			4.28E+04			1.48E+03		
NMED Industrial SSL Concentration [d]					1.20E+04			2.46E+05			4.10E+06			4.79E+05			2.34E+04		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			3.1	12	J
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			62	12	
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			9.9	11	J
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			4.2	11	J
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			6.2	12	J
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			12	12	
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			78	11	
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			4.3	11	J
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			160	11	
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			160	11	
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			220	11	
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			11	11	
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			52	12	
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			79	11	
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			60	11	
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			160	11	
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			7	11	J
Frequency of Detection					*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*31*	*of*	*127*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Isophorone			2-Methylnaphthalene [e]			2-Methylphenol (o-cresol) [e]			3/4-Methylphenol			Naphthalene		
					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	--	--	4.00E+04	3.50E+02	J	ND	--	--	ND	--	--	2.10E+04	3.80E+04	J
NMED Residential SSL Concentration [d]					5.12E+06			2.30E+05			3.10E+06			NE			4.30E+04		
NMED Industrial SSL Concentration [d]					1.37E+08			2.20E+06			3.10E+07			NE			2.41E+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
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*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
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*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
	CAN127-1272-0002	2	0313740008SA	9/23/1993	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*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*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
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*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*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	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*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*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*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*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*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	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*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*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*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*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*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*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
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*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
	CAN127-1275-0002	2	0312770012SA	9/14/1993	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*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*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*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*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*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*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*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Isophorone			2-Methylnaphthalene [e]			2-Methylphenol (o-cresol) [e]			3/4-Methylphenol			Naphthalene		
					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	--	--	4.00E+04	3.50E+02	J	ND	--	--	ND	--	--	2.10E+04	3.80E+04	J
NMED Residential SSL Concentration [d]					5.12E+06			2.30E+05			3.10E+06			NE			4.30E+04		
NMED Industrial SSL Concentration [d]					1.37E+08			2.20E+06			3.10E+07			NE			2.41E+05		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	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*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*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*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	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*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	250	350	J	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*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*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
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*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*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*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*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*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
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*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*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	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*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*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*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*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*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	37,000	U	4,900	37,000	J	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
	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
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	ND	38,000	U	40,000	38,000		ND	38,000	U	ND	38,000	U	21,000	38,000	J
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Isophorone			2-Methylnaphthalene [e]			2-Methylphenol (o-cresol) [e]			3/4-Methylphenol			Naphthalene		
					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	--	--	4.00E+04	3.50E+02	J	ND	--	--	ND	--	--	2.10E+04	3.80E+04	J
NMED Residential SSL Concentration [d]					5.12E+06			2.30E+05			3.10E+06			NE			4.30E+04		
NMED Industrial SSL Concentration [d]					1.37E+08			2.20E+06			3.10E+07			NE			2.41E+05		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Isophorone			2-Methylnaphthalene [e]			2-Methylphenol (o-cresol) [e]			3/4-Methylphenol			Naphthalene		
					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	--	--	4.00E+04	3.50E+02	J	ND	--	--	ND	--	--	2.10E+04	3.80E+04	J
NMED Residential SSL Concentration [d]					5.12E+06			2.30E+05			3.10E+06			NE			4.30E+04		
NMED Industrial SSL Concentration [d]					1.37E+08			2.20E+06			3.10E+07			NE			2.41E+05		
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Isophorone			2-Methylnaphthalene [e]			2-Methylphenol (o-cresol) [e]			3/4-Methylphenol			Naphthalene		
					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	--	--	4.00E+04	3.50E+02	J	ND	--	--	ND	--	--	2.10E+04	3.80E+04	J
NMED Residential SSL Concentration [d]					5.12E+06			2.30E+05			3.10E+06			NE			4.30E+04		
NMED Industrial SSL Concentration [d]					1.37E+08			2.20E+06			3.10E+07			NE			2.41E+05		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	120	U
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	110	U
Frequency of Detection					*0*	*of 106*		*3*	*of 106*		*0*	*of 106*		*0*	*of 106*		*1*	*of 127*	

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					6.10E+05			NE			2.40E+04			5.35E+04			NE		
NMED Industrial SSL Concentration [d]					6.00E+06			NE			8.60E+05			3.00E+05			NE		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	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*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	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*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	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	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*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	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*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	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*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	*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*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	*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*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	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*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*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*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*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*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	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*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	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	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*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	*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*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	*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*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	*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*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					6.10E+05			NE			2.40E+04			5.35E+04			NE		
NMED Industrial SSL Concentration [d]					6.00E+06			NE			8.60E+05			3.00E+05			NE		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	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*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*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*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	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*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	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*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	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*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	*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*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	*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*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	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*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	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*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	*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*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	*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*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	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	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	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	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	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	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	1,900	U	ND	1,900	U	ND	1,900	U	ND	390	U	ND	390	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					6.10E+05			NE			2.40E+04			5.35E+04			NE		
NMED Industrial SSL Concentration [d]					6.00E+06			NE			8.60E+05			3.00E+05			NE		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	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	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	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	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	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	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	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	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	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	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	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	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	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	1,800	U	ND	1,800	U	ND	1,800	U	ND	370	U	ND	370	U
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					6.10E+05			NE			2.40E+04			5.35E+04			NE		
NMED Industrial SSL Concentration [d]					6.00E+06			NE			8.60E+05			3.00E+05			NE		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	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	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	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	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	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	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	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U
	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1,800	U	ND	1,800	U	ND	1,800	U	ND	360	U	ND	360	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	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
Maximum Detected Concentration					ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					6.10E+05			NE			2.40E+04			5.35E+04			NE		
NMED Industrial SSL Concentration [d]					6.00E+06			NE			8.60E+05			3.00E+05			NE		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*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*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*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*		
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*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*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*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*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*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*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*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*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*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*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*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*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*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*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*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*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Nitrophenol			N-Nitroso-di-n-propylamine [e]			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene		
					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	
NMED Residential SSL Concentration [d]					NE			6.90E+01			9.93E+05			8.94E+03			1.83E+06		
NMED Industrial SSL Concentration [d]					NE			2.50E+02			3.91E+06			3.00E+04			2.05E+07		
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
	CAN127-1271-0002	2	0313740004SA	9/23/1993	*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
	CAN127-1271-0008	8	0313740006SA	9/23/1993	*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
	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
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*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*		
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	
	CAN127-1273-0002	2	0312160002SA	9/13/1993	*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*		
	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
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*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*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*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*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*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
	CAN127-1274-0002	2	0312770002SA	9/14/1993	*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*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	*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*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	*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*		
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
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*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	
	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
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*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*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*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*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*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*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Nitrophenol			N-Nitroso-di-n-propylamine [e]			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene		
					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	
NMED Residential SSL Concentration [d]					NE			6.90E+01			9.93E+05			8.94E+03			1.83E+06		
NMED Industrial SSL Concentration [d]					NE			2.50E+02			3.91E+06			3.00E+04			2.05E+07		
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
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	*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*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	*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
	CAN127-1276-0028	28	0312150012SA	9/13/1993	*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*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
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
	CAN127-1277-0002	2	0311840010SA	9/12/1993	*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*		
	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
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*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*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*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*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*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
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	*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*		
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
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*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*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*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*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*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
	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
	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
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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Nitrophenol			N-Nitroso-di-n-propylamine [e]			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene		
					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	
NMED Residential SSL Concentration [d]					NE			6.90E+01			9.93E+05			8.94E+03			1.83E+06		
NMED Industrial SSL Concentration [d]					NE			2.50E+02			3.91E+06			3.00E+04			2.05E+07		
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	
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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	
	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
	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
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	
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Nitrophenol			N-Nitroso-di-n-propylamine [e]			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene		
					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	
NMED Residential SSL Concentration [d]					NE			6.90E+01			9.93E+05			8.94E+03			1.83E+06		
NMED Industrial SSL Concentration [d]					NE			2.50E+02			3.91E+06			3.00E+04			2.05E+07		
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	
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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	
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	
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
	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
	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
	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
	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

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	4-Nitrophenol			N-Nitroso-di-n-propylamine [e]			N-Nitrosodiphenylamine			Pentachlorophenol			Phenanthrene		
					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	
NMED Residential SSL Concentration [d]					NE			6.90E+01			9.93E+05			8.94E+03			1.83E+06		
NMED Industrial SSL Concentration [d]					NE			2.50E+02			3.91E+06			3.00E+04			2.05E+07		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			9.6	12	J
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			16	11	
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	12	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			2.9	12	J
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			8.8	12	J
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			8.9	12	J
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			52	11	
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			91	11	
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			120	11	
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			120	11	
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			9.2	11	J
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			40	12	
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			62	11	
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			39	11	
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			*not sampled*			*not sampled*			ND	11	U
Frequency of Detection					*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*0*	*of*	*106*	*31*	*of*	*127*

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Phenol			Pyrene			1,2,4-Trichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol		
					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		ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.83E+07			1.72E+06			7.30E+04			6.11E+06			6.11E+04		
NMED Industrial SSL Concentration [d]					2.05E+08			1.83E+07			3.67E+05			6.84E+07			6.84E+05		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	380	U	ND	380	U	ND	380	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*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	380	U	ND	380	U	ND	380	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*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	380	U	ND	380	U	ND	380	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	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	*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*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	350	U	1400	350		ND	350	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*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	*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	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	*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*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	*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*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	370	U	230	370	J	ND	370	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*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	*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*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	*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*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	*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	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	*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		ND	1,400	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	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	*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*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	*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*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	*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*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Phenol			Pyrene			1,2,4-Trichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol		
					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		ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.83E+07			1.72E+06			7.30E+04			6.11E+06			6.11E+04		
NMED Industrial SSL Concentration [d]					2.05E+08			1.83E+07			3.67E+05			6.84E+07			6.84E+05		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	340	U	550	340		ND	340	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*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	*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*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	360	U	ND	360	U	ND	360	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*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	*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*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	350	U	440	350		ND	350	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*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	*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	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	*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*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	*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*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	*not sampled*			*not sampled*			*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	1,400	U	360	1,400	J	ND	1,400	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*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	*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	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	*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*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	*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*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	*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	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	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	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	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	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	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	390	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Phenol			Pyrene			1,2,4-Trichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol		
					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		ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.83E+07			1.72E+06			7.30E+04			6.11E+06			6.11E+04		
NMED Industrial SSL Concentration [d]					2.05E+08			1.83E+07			3.67E+05			6.84E+07			6.84E+05		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	360	U	2,300	360		ND	360	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	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	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	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	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	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	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	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	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	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	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	360	U	2,200	360		ND	360	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	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	370	U
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	360	U	1900	360		ND	360	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	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	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	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	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	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	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	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	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	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	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	360	U	260	360	J	ND	360	UJ	ND	1,800	U	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	ND	360	UJ	260	360	J	ND	360	UJ	ND	1,800	UJ	ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	360	UJ	250	360	J	ND	360	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	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	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	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	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	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	360	U	ND	360	U	ND	360	UJ	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	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	380	U	ND	380	U	ND	380	UJ	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	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	370	U	ND	370	U	ND	370	UJ	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	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	380	U	ND	380	U	ND	380	UJ	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	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	370	U	ND	370	U	ND	370	UJ	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	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	370	U	ND	370	U	ND	370	UJ	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	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	370	U	ND	370	U	ND	370	UJ	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	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	360	U	ND	360	U	ND	360	UJ	ND	1,800	U	ND	360	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Phenol			Pyrene			1,2,4-Trichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol		
					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		ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.83E+07			1.72E+06			7.30E+04			6.11E+06			6.11E+04		
NMED Industrial SSL Concentration [d]					2.05E+08			1.83E+07			3.67E+05			6.84E+07			6.84E+05		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	370	U	1,300	370		ND	370	U	ND	1,800	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	360	U	290	360	J	ND	360	U	ND	1,700	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	360	U	41	360	J	ND	360	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	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	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	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	360	U
	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	360	U	ND	360	U	ND	360	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	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	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	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	370	U	1,000	370		ND	370	U	ND	1,800	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	360	U	710	360		ND	360	U	ND	1,800	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	350	U	77	350	J	ND	350	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	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	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	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	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	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	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	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	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	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	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	370	U	260	370	J	ND	370	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	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	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	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	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	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	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	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	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	360	U	ND	360	U	ND	360	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	360	U

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Phenol			Pyrene			1,2,4-Trichlorobenzene			2,4,5-Trichlorophenol			2,4,6-Trichlorophenol		
					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		ND	--	--	ND	--	--	ND	--	--
NMED Residential SSL Concentration [d]					1.83E+07			1.72E+06			7.30E+04			6.11E+06			6.11E+04		
NMED Industrial SSL Concentration [d]					2.05E+08			1.83E+07			3.67E+05			6.84E+07			6.84E+05		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			ND	12	U	*not sampled*			*not sampled*			*not sampled*		
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			57	12		*not sampled*			*not sampled*			*not sampled*		
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			5.4	11	J	*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*		
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			ND	11	U	*not sampled*			*not sampled*			*not sampled*		
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			25	11		*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*		
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			ND	12	U	*not sampled*			*not sampled*			*not sampled*		
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			17	12		*not sampled*			*not sampled*			*not sampled*		
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			32	12		*not sampled*			*not sampled*			*not sampled*		
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			170	11		*not sampled*			*not sampled*			*not sampled*		
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			6.8	11	J	*not sampled*			*not sampled*			*not sampled*		
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			330	11E		*not sampled*			*not sampled*			*not sampled*		
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			350	11E		*not sampled*			*not sampled*			*not sampled*		
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			450	11E		*not sampled*			*not sampled*			*not sampled*		
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			25	11		*not sampled*			*not sampled*			*not sampled*		
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			120	12		*not sampled*			*not sampled*			*not sampled*		
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			170	11		*not sampled*			*not sampled*			*not sampled*		
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			120	11		*not sampled*			*not sampled*			*not sampled*		
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			260	11		*not sampled*			*not sampled*			*not sampled*		
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			ND	11	U	*not sampled*			*not sampled*			*not sampled*		
Frequency of Detection					*0*	*of 106*		*34*	*of 127*		*0*	*of 106*		*0*	*of 106*		*0*	*of 106*	

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Total Petroleum Hydrocarbons [f]			TPH-Diesel Range Organics [f]			TPH-Oil Range Organics [f]			TPH-Gasoline Range Organics [f]		
					Result (mg/kg)	RL	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					1.16E+04	8.39E+01		2.60E+01	1.20E+01		1.70E+01	2.40E+01	J	ND	--	--
NMED Residential SSL Concentration [d]					1.00E+03			1.00E+03			1.00E+03			1.00E+03		
NMED Industrial SSL Concentration [d]					1.00E+03			1.00E+03			1.00E+03			1.00E+03		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	46.1	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	46.1	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	46.6	46.2		*not sampled*			*not sampled*			*not sampled*		
	CAN127-1271-0008	8	0313740006SA	9/23/1993	48.6	45.7		*not sampled*			*not sampled*			*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	93.2	46.3		*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0002	2	0313740008SA	9/23/1993	48.7	48.4		*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0004	4	0313740009SA	9/23/1993	50.1	47.1		*not sampled*			*not sampled*			*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	47.5	U	*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	66.8	41.9		*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	43.6	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	43.7	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	43.9	U	*not sampled*			*not sampled*			*not sampled*		
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	ND	44.8	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	44.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	ND	44.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	43.9	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	ND	42.8	U	*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	253	44.3		*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	44	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	44.1	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	45.3	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	ND	44	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	44.7	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	ND	44.9	U	*not sampled*			*not sampled*			*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	43.9	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	43.1	U	*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	344	83.9		*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	46.1	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	45.8	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	46.6	U	*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	ND	46.1	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	44.9	U	*not sampled*			*not sampled*			*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	44.3	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	44.5	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	ND	44.7	U	*not sampled*			*not sampled*			*not sampled*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Total Petroleum Hydrocarbons [f]			TPH-Diesel Range Organics [f]			TPH-Oil Range Organics [f]			TPH-Gasoline Range Organics [f]		
					Result (mg/kg)	RL	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					1.16E+04	8.39E+01		2.60E+01	1.20E+01		1.70E+01	2.40E+01	J	ND	--	--
NMED Residential SSL Concentration [d]					1.00E+03			1.00E+03			1.00E+03			1.00E+03		
NMED Industrial SSL Concentration [d]					1.00E+03			1.00E+03			1.00E+03			1.00E+03		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	80.5	41.6		*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	43.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	43.3	U	*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	44.1	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	43.9	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	43.7	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	ND	44.1	U	*not sampled*			*not sampled*			*not sampled*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	43.9	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	43.2	U	*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	44.1	42.1		*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	43.1	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	43.6	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	44.2	U	*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	ND	45.4	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	ND	44.6	U	*not sampled*			*not sampled*			*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	ND	44.1	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	44.0	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	ND	44.2	U	*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	42.2	U	*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	43.6	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	43.6	U	*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	170	44.4		*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0018	18	0311840006SA	9/12/1993	55.9	45.7		*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	ND	44.9	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	44.2	U	*not sampled*			*not sampled*			*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	ND	44.4	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	ND	45.1	U	*not sampled*			*not sampled*			*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	44.8	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	46.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	45.5	U	*not sampled*			*not sampled*			*not sampled*		
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	11,600	1,150		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	47	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	44	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	47.1	U	*not sampled*			*not sampled*			*not sampled*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Total Petroleum Hydrocarbons [f]			TPH-Diesel Range Organics [f]			TPH-Oil Range Organics [f]			TPH-Gasoline Range Organics [f]		
					Result (mg/kg)	RL	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					1.16E+04	8.39E+01		2.60E+01	1.20E+01		1.70E+01	2.40E+01	J	ND	--	--
NMED Residential SSL Concentration [d]					1.00E+03			1.00E+03			1.00E+03			1.00E+03		
NMED Industrial SSL Concentration [d]					1.00E+03			1.00E+03			1.00E+03			1.00E+03		
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	130	43.3		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	42.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	45.3	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	44.3	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	44.7	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	44.6	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	45.1	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	44.7	UJ	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	43.8	UJ	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	44.6	UJ	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	44.4	UJ	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	128	43.4		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	45.7	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	45.4	U	*not sampled*			*not sampled*			*not sampled*		
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	168	43.9		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	44.3	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	43.4	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	48	44.1		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	293	45.1		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	44.5	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	45.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	46	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	67.4	44.4		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	45.1	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	44.6	U	*not sampled*			*not sampled*			*not sampled*		
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	66.5	43.9		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	52.3	43.8		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	44.8	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*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*		
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	45.6	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	44.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	46.5	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	47.1	44.8		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	45.9	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	44.5	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	47.9	45.3		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	44.4	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			*not sampled*			*not sampled*		
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	44.1	U	*not sampled*			*not sampled*			*not sampled*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Total Petroleum Hydrocarbons [f]			TPH-Diesel Range Organics [f]			TPH-Oil Range Organics [f]			TPH-Gasoline Range Organics [f]		
					Result (mg/kg)	RL	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					1.16E+04	8.39E+01		2.60E+01	1.20E+01		1.70E+01	2.40E+01	J	ND	--	--
NMED Residential SSL Concentration [d]					1.00E+03			1.00E+03			1.00E+03			1.00E+03		
NMED Industrial SSL Concentration [d]					1.00E+03			1.00E+03			1.00E+03			1.00E+03		
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	44.8	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	69.4	43.4		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	43.6	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	43.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	44.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	44.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	44.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	182	44.2		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	50.9	43.6		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	83.6	43.6		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	43	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	44.9	U	*not sampled*			*not sampled*			*not sampled*		
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	80.8	44		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	42.5	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	43.6	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	44.2	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	44.9	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	44.4	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	44.7	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	171	43.6		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	43.7	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	43.7	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	44.3	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	43.2	U	*not sampled*			*not sampled*			*not sampled*		
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	45.7	45		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	46.1	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	43.9	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	44	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	60.7	44.9		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	51	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	43.7	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	44.4	U	*not sampled*			*not sampled*			*not sampled*		
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	53.9	43		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	1,700	436		*not sampled*			*not sampled*			*not sampled*		
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	44.2	U	*not sampled*			*not sampled*			*not sampled*		

Table 11
Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Total Petroleum Hydrocarbons [f]			TPH-Diesel Range Organics [f]			TPH-Oil Range Organics [f]			TPH-Gasoline Range Organics [f]		
					Result (mg/kg)	RL	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					1.16E+04	8.39E+01		2.60E+01	1.20E+01		1.70E+01	2.40E+01	J	ND	--	--
NMED Residential SSL Concentration [d]					1.00E+03			1.00E+03			1.00E+03			1.00E+03		
NMED Industrial SSL Concentration [d]					1.00E+03			1.00E+03			1.00E+03			1.00E+03		
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			ND	12	U	ND	23	U	ND	1.2	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			26	12		17	24	J	ND	1.2	U
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			ND	11	U	ND	23	U	ND	1.1	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			ND	12	U	ND	23	U	ND	1.2	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			ND	11	U	ND	23	U	ND	1.1	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			ND	11	U	ND	23	U	ND	1.1	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			ND	12	U	ND	23	U	ND	1.2	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			ND	12	U	ND	23	U	ND	1.2	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			ND	12	U	ND	24	U	ND	1.2	U
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			ND	12	U	ND	23	U	ND	1.2	U
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			ND	11	U	ND	22	U	ND	1.1	U
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			ND	11	U	ND	22	U	ND	1.1	U
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			ND	11	U	ND	22	U	ND	1.1	U
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			ND	11	U	9.5	21	J	ND	1.1	U
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			ND	11	U	11	22	J	ND	1.1	U
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			ND	11	U	ND	22	U	ND	1.1	U
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			ND	12	U	ND	23	U	ND	1.2	U
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			ND	11	U	5.4	21	J	ND	1.1	U
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			ND	11	U	9.8	21	J	ND	1.1	U
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			ND	11	U	16	22	J	ND	1.1	U
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			ND	11	U	ND	22	U	ND	1.1	U
Frequency of Detection					*33*	*of 62*		*1*	*of 21*		*6*	*of 21*		*0*	*of 21*	

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	Indicates the value exceeds the NMED residential SSL.
	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

Background Statistics for Data Sets with Non-Detects

User Selected Options

Date/Time of Computation	9/22/2014 9:54:04 AM
From File	PAH Soil BG ProUCL Input and Output.xls
Full Precision	OFF
Confidence Coefficient	95%
Coverage	95%
Different or Future K Observations	1
Number of Bootstrap Operations	2000

2-METHYLNAPHTHALENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Missing Observations	0
Number of Distinct Observations	4		
Number of Detects	3	Number of Non-Detects	1
Number of Distinct Detects	3	Number of Distinct Non-Detects	1
Minimum Detect	2.9	Minimum Non-Detect	1.5
Maximum Detect	71	Maximum Non-Detect	1.5
Variance Detected	1159	Percent Non-Detects	25%
Mean Detected	36.97	SD Detected	34.05
Mean of Detected Logged Data	2.979	SD of Detected Logged Data	1.69

Warning: Data set has only 3 Detected Values.
This is not enough to compute meaningful or reliable statistics and estimates.

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	1	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.767	Detected Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.175	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.512	Detected Data appear Normal at 5% Significance Level	

Detected Data appear Normal at 5% Significance Level

Kaplan Meier (KM) Background Statistics Assuming Normal Distribution

Mean	28.1	SD	28.56
95% UTL95% Coverage	175	95% KM UPL (t)	103.2
90% KM Percentile (z)	64.7	95% KM Percentile (z)	75.07
99% KM Percentile (z)	94.54	95% KM USL	69.87

DL/2 Substitution Background Statistics Assuming Normal Distribution

Mean	27.91	SD	33.18
95% UTL95% Coverage	198.6	95% UPL (t)	115.2
90% Percentile (z)	70.43	95% Percentile (z)	82.49
99% Percentile (z)	105.1	95% USL	76.44

DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons

Gamma GOF Tests on Detected Observations Only

Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	0.924	k star (bias corrected MLE)	N/A
Theta hat (MLE)	40	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	5.544	nu star (bias corrected)	N/A
MLE Mean (bias corrected)	N/A		
MLE Sd (bias corrected)	N/A	95% Percentile of Chisquare (2k)	N/A

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs
GROS may not be used when kstar of detected data is small such as < 0.1
For such situations, GROS method tends to yield inflated values of UCLs and BTVs
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	27.73
Maximum	71	Median	19.95
SD	33.38	CV	1.204
k hat (MLE)	0.307	k star (bias corrected MLE)	0.243

Theta hat (MLE)	90.37	Theta star (bias corrected MLE)	113.9
nu hat (MLE)	2.455	nu star (bias corrected)	1.947
MLE Mean (bias corrected)	27.73	MLE Sd (bias corrected)	56.2
95% Percentile of Chisquare (2k)	2.375	90% Percentile	83.38
95% Percentile	135.3	99% Percentile	274

The following statistics are computed using Gamma ROS Statistics on Imputed Data

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	1506	3622	95% Approx. Gamma UPL	339.5	540.6
95% Gamma USL	116.9	142.7			

The following statistics are computed using gamma distribution and KM estimates

Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

k hat (KM)	0.968		nu hat (KM)	7.745
	WH	HW	WH	HW
95% Approx. Gamma UTL with 95% Coverage	730.1	1169	95% Approx. Gamma UPL 198.4	241.2
95% Gamma USL	82.72	87.05		

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.895	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.767	Detected Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.312	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.512	Detected Data appear Lognormal at 5% Significance Level

Detected Data appear Lognormal at 5% Significance Level

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects

Mean in Original Scale	27.78	Mean in Log Scale	1.854
SD in Original Scale	33.32	SD in Log Scale	2.639
95% UTL95% Coverage	5034116	95% BCA UTL95% Coverage	N/A
95% Bootstrap (%) UTL95% Coverage	N/A	95% UPL (t)	6629
90% Percentile (z)	188.1	95% Percentile (z)	490.7
99% Percentile (z)	2965	95% USL	303.3

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean of Logged Data	2.336	95% KM UTL (Lognormal)95% Coverage	46238
KM SD of Logged Data	1.634	95% KM UPL (Lognormal)	761.6
95% KM Percentile Lognormal (z)	152	95% KM USL (Lognormal)	112.8

Background DL/2 Statistics Assuming Lognormal Distribution

Mean in Original Scale	27.91	Mean in Log Scale	2.163
SD in Original Scale	33.18	SD in Log Scale	2.138
95% UTL95% Coverage	520300	95% UPL (t)	2414
90% Percentile (z)	134.7	95% Percentile (z)	292.9
99% Percentile (z)	1258	95% USL	198.3

DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.

Nonparametric Distribution Free Background Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)

Order of Statistic, r	4	95% UTL with95% Coverage	71
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185
95% UPL	71	95% USL	71
95% KM Chebyshev UPL	167.3		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

ACENAPHTHENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	0.77	First Quartile	1.168
Second Largest	320	Median	160.7
Maximum	580	Third Quartile	385
Mean	225.5	SD	280.1
Coefficient of Variation	1.242	Skewness	0.691

Mean of logged Data	3.033	SD of logged Data	3.517

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.866	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.288	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	1666	90% Percentile (z)	584.5
95% UPL (t)	962.5	95% Percentile (z)	686.2
95% USL	635.2	99% Percentile (z)	877.1

Gamma GOF Test

A-D Test Statistic	0.526	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.707	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.326	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.419	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.291	k star (bias corrected MLE)	0.239
Theta hat (MLE)	776.1	Theta star (bias corrected MLE)	942.3
nu hat (MLE)	2.325	nu star (bias corrected)	1.915
MLE Mean (bias corrected)	225.5	MLE Sd (bias corrected)	461

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	3006	90% Percentile	678.8
95% Hawkins Wixley (HW) Approx. Gamma UPL	4640	95% Percentile	1106
95% WH Approx. Gamma UTL with 95% Coverage	14017	99% Percentile	2249
95% HW Approx. Gamma UTL with 95% Coverage	32974		
95% WH USL	979.2	95% HW USL	1151

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.808	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.285	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with 95% Coverage	1.491E+9	90% Percentile (z)	1882
95% UPL (t)	216613	95% Percentile (z)	6751
95% USL	3555	99% Percentile (z)	74163

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with 95% Coverage	580
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185
95% Percentile Bootstrap UTL with 95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	580	90% Percentile	502
90% Chebyshev UPL	1165	95% Percentile	541
95% Chebyshev UPL	1591	99% Percentile	572.2
95% USL	580		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

ACENAPHTHYLENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	1.1	First Quartile	1.175
Second Largest	550	Median	275.6
Maximum	1100	Third Quartile	687.5
Mean	413.1	SD	526
Coefficient of Variation	1.273	Skewness	0.856
Mean of logged Data	3.398	SD of logged Data	3.774

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.865	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.283	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	3119	90% Percentile (z)	1087
95% UPL (t)	1797	95% Percentile (z)	1278
95% USL	1182	99% Percentile (z)	1637

Gamma GOF Test

A-D Test Statistic	0.552	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.713	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.337	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.42	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.268	k star (bias corrected MLE)	0.234
Theta hat (MLE)	1544	Theta star (bias corrected MLE)	1769
nu hat (MLE)	2.14	nu star (bias corrected)	1.868
MLE Mean (bias corrected)	413.1	MLE Sd (bias corrected)	854.7

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	5672	90% Percentile	1245
95% Hawkins Wixley (HW) Approx. Gamma UPL	8934	95% Percentile	2040
95% WH Approx. Gamma UTL with 95% Coverage	26849	99% Percentile	4176
95% HW Approx. Gamma UTL with 95% Coverage	65235		
95% WH USL	1816	95% HW USL	2152

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.78	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.303	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with 95% Coverage	8.058E+9	90% Percentile (z)	3767
95% UPL (t)	613529	95% Percentile (z)	14838
95% USL	7456	99% Percentile (z)	194224

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with 95% Coverage	1100
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185
95% Percentile Bootstrap UTL with 95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	1100	90% Percentile	935
90% Chebyshev UPL	2177	95% Percentile	1018
95% Chebyshev UPL	2976	99% Percentile	1084
95% USL	1100		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations.

The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

ANTHRACENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	4.3	First Quartile	4.45
Second Largest	2700	Median	1352
Maximum	4400	Third Quartile	3125
Mean	1777	SD	2162
Coefficient of Variation	1.216	Skewness	0.507
Mean of logged Data	4.813	SD of logged Data	3.853

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.86	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.294	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	12896	90% Percentile (z)	4547
95% UPL (t)	7464	95% Percentile (z)	5333
95% USL	4938	99% Percentile (z)	6806

Gamma GOF Test

A-D Test Statistic	0.601	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.714	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.339	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.421	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.264	k star (bias corrected MLE)	0.233
Theta hat (MLE)	6738	Theta star (bias corrected MLE)	7640
nu hat (MLE)	2.11	nu star (bias corrected)	1.861
MLE Mean (bias corrected)	1777	MLE Sd (bias corrected)	3685

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	24643	90% Percentile	5357
95% Hawkins Wixley (HW) Approx. Gamma UPL	39266	95% Percentile	8786
95% WH Approx. Gamma UTL with 95% Coverage	116735	99% Percentile	18007
95% HW Approx. Gamma UTL with 95% Coverage	287890		
95% WH USL	7886	95% HW USL	9417

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.765	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.305	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with 95% Coverage	4.978E+10	90% Percentile (z)	17163
95% UPL (t)	3109369	95% Percentile (z)	69577
95% USL	34463	99% Percentile (z)	960966

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with 95% Coverage	4400
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185
95% Percentile Bootstrap UTL with 95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	4400	90% Percentile	3890

90% Chebyshev UPL	9027	95% Percentile	4145
95% Chebyshev UPL	12311	99% Percentile	4349
95% USL	4400		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

BENZO(A)ANTHRACENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	44	First Quartile	47.75
Second Largest	24000	Median	12025
Maximum	44000	Third Quartile	29000
Mean	17023	SD	21236
Coefficient of Variation	1.247	Skewness	0.709
Mean of logged Data	7.113	SD of logged Data	3.79

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.866	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.288	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	126259	90% Percentile (z)	44238
95% UPL (t)	72897	95% Percentile (z)	51953
95% USL	48080	99% Percentile (z)	66424

Gamma GOF Test

A-D Test Statistic	0.568	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.713	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.337	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.42	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.267	k star (bias corrected MLE)	0.233
Theta hat (MLE)	63691	Theta star (bias corrected MLE)	72909
nu hat (MLE)	2.138	nu star (bias corrected)	1.868
MLE Mean (bias corrected)	17023	MLE Sd (bias corrected)	35230

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	234317	90% Percentile	51307
95% Hawkins Wixley (HW) Approx. Gamma UPL	370467	95% Percentile	84066
95% WH Approx. Gamma UTL with 95% Coverage	1108597	99% Percentile	172123
95% HW Approx. Gamma UTL with 95% Coverage	2705481		
95% WH USL	75094	95% HW USL	89228

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.777	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.302	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with 95% Coverage	3.608E+11	90% Percentile (z)	158126
95% UPL (t)	26343943	95% Percentile (z)	626711
95% USL	313963	99% Percentile (z)	8297266

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with 95% Coverage	44000
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185
95% Percentile Bootstrap UTL with 95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	44000	90% Percentile	38000
90% Chebyshev UPL	88249	95% Percentile	41000
95% Chebyshev UPL	120512	99% Percentile	43400
95% USL	44000		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations.
The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

BENZO(A)PYRENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	74	First Quartile	79.25
Second Largest	31000	Median	15541
Maximum	57000	Third Quartile	37500
Mean	22039	SD	27491
Coefficient of Variation	1.247	Skewness	0.715
Mean of logged Data	7.498	SD of logged Data	3.644

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.866	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.288	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	163450	90% Percentile (z)	57269
95% UPL (t)	94370	95% Percentile (z)	67257
95% USL	62244	99% Percentile (z)	85991

Gamma GOF Test

A-D Test Statistic	0.564	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.71	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.337	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.42	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.279	k star (bias corrected MLE)	0.236
Theta hat (MLE)	79042	Theta star (bias corrected MLE)	93237
nu hat (MLE)	2.231	nu star (bias corrected)	1.891
MLE Mean (bias corrected)	22039	MLE Sd (bias corrected)	45330

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	298574	90% Percentile	66382
95% Hawkins Wixley (HW) Approx. Gamma UPL	466162	95% Percentile	108449
95% WH Approx. Gamma UTL with 95% Coverage	1402854	99% Percentile	221325
95% HW Approx. Gamma UTL with 95% Coverage	3359036		
95% WH USL	96444	95% HW USL	113924

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.777	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.303	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with	95% Coverage	2.498E+11	90% Percentile (z)	192544
	95% UPL (t)	26333096	95% Percentile (z)	723639
	95% USL	372318	99% Percentile (z)	8671852

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r		4	95% UTL with	95% Coverage	57000
Approximate f		0.211	Confidence Coefficient (CC) achieved by UTL		0.185
95% Percentile Bootstrap UTL with	95% Coverage	N/A	95% BCA Bootstrap UTL with	95% Coverage	N/A
	95% UPL	57000		90% Percentile	49200
	90% Chebyshev UPL	114245		95% Percentile	53100
	95% Chebyshev UPL	156011		99% Percentile	56220
	95% USL	57000			

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

BENZO(B)FLUORANTHENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	130	First Quartile	137.5
Second Largest	50000	Median	25070
Maximum	93000	Third Quartile	60750
Mean	35818	SD	44786
Coefficient of Variation	1.25	Skewness	0.734
Mean of logged Data	8.017	SD of logged Data	3.603

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.866	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.287	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with	95% Coverage	266199	90% Percentile (z)	93214
	95% UPL (t)	153657	95% Percentile (z)	109485
	95% USL	101318	99% Percentile (z)	140006

Gamma GOF Test

A-D Test Statistic	0.561	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.709	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.337	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.419	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.282	k star (bias corrected MLE)	0.237
Theta hat (MLE)	126960	Theta star (bias corrected MLE)	151004
nu hat (MLE)	2.257	nu star (bias corrected)	1.898
MLE Mean (bias corrected)	35818	MLE Sd (bias corrected)	73543

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL		482927	90% Percentile	107864
95% Hawkins Wixley (HW) Approx. Gamma UPL		751068	95% Percentile	176074
95% WH Approx. Gamma UTL with	95% Coverage	2264742	99% Percentile	359008
95% HW Approx. Gamma UTL with	95% Coverage	5391550		
	95% WH USL	156329	95% HW USL	184305

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.777	**Shapiro Wilk Lognormal GOF Test**

5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.303	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level	

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with 95% Coverage	3.402E+11	90% Percentile (z)	307176
95% UPL (t)	39752548	95% Percentile (z)	1137419
95% USL	589596	99% Percentile (z)	13255431

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with 95% Coverage	93000
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185
95% Percentile Bootstrap UTL with 95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	93000	90% Percentile	80100
90% Chebyshev UPL	186036	95% Percentile	86550
95% Chebyshev UPL	254079	99% Percentile	91710
95% USL	93000		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

BENZO(G,H,I)PERYLENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	62	First Quartile	71
Second Largest	21000	Median	10537
Maximum	39000	Third Quartile	25500
Mean	15034	SD	18779
Coefficient of Variation	1.249	Skewness	0.732
Mean of logged Data	7.239	SD of logged Data	3.501

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.866	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level	
Lilliefors Test Statistic	0.287	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level	

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	111632	90% Percentile (z)	39100
95% UPL (t)	64444	95% Percentile (z)	45922
95% USL	42498	99% Percentile (z)	58720

Gamma GOF Test

A-D Test Statistic	0.549	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.707	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.335	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.419	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.291	k star (bias corrected MLE)	0.239
Theta hat (MLE)	51625	Theta star (bias corrected MLE)	62780
nu hat (MLE)	2.33	nu star (bias corrected)	1.916
MLE Mean (bias corrected)	15034	MLE Sd (bias corrected)	30722

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	200186	90% Percentile	45250
95% Hawkins Wixley (HW) Approx. Gamma UPL	308475	95% Percentile	73700

95% WH Approx. Gamma UTL with	95% Coverage	933598	99% Percentile	149895
95% HW Approx. Gamma UTL with	95% Coverage	2191331		
95% WH USL	65211		95% HW USL	76556

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.786	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.299	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with	95% Coverage	9.209E+10	90% Percentile (z) 123620
	95% UPL (t)	13928027	95% Percentile (z) 440984
	95% USL	232910	99% Percentile (z) 4791914

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with	95% Coverage	39000
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL		0.185
95% Percentile Bootstrap UTL with	95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	39000		90% Percentile	33600
90% Chebyshev UPL	78020		95% Percentile	36300
95% Chebyshev UPL	106550		99% Percentile	38460
95% USL	39000			

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

BENZO(K)FLUORANTHENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	45	First Quartile	46.5
Second Largest	14000	Median	7024
Maximum	27000	Third Quartile	17250
Mean	10273	SD	12947
Coefficient of Variation	1.26	Skewness	0.796
Mean of logged Data	6.852	SD of logged Data	3.501

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.866	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.285	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with	95% Coverage	76872	90% Percentile (z) 26865
	95% UPL (t)	44338	95% Percentile (z) 31569
	95% USL	29208	99% Percentile (z) 40392

Gamma GOF Test

A-D Test Statistic	0.552	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.707	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.338	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.419	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.291	k star (bias corrected MLE)	0.239
Theta hat (MLE)	35354	Theta star (bias corrected MLE)	42927

nu hat (MLE)	2.325	nu star (bias corrected)	1.914
MLE Mean (bias corrected)	10273	MLE Sd (bias corrected)	21000

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	136792	90% Percentile	30922
95% Hawkins Wixley (HW) Approx. Gamma UPL	210609	95% Percentile	50371
95% WH Approx. Gamma UTL with 95% Coverage	638411	99% Percentile	102464
95% HW Approx. Gamma UTL with 95% Coverage	1497297		
95% WH USL	44524	95% HW USL	52224

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.779	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.304	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with 95% Coverage	6.280E+10	90% Percentile (z)	84043
95% UPL (t)	9479108	95% Percentile (z)	299890
95% USL	158367	99% Percentile (z)	3260485

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with 95% Coverage	27000
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185
95% Percentile Bootstrap UTL with 95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	27000	90% Percentile	23100
90% Chebyshev UPL	53698	95% Percentile	25050
95% Chebyshev UPL	73368	99% Percentile	26610
95% USL	27000		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

CHRYSENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	90	First Quartile	94.5
Second Largest	37000	Median	18548
Maximum	68000	Third Quartile	44750
Mean	26297	SD	32797
Coefficient of Variation	1.247	Skewness	0.714
Mean of logged Data	7.678	SD of logged Data	3.641

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.866	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.288	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	195006	90% Percentile (z)	68328
95% UPL (t)	112591	95% Percentile (z)	80243
95% USL	74263	99% Percentile (z)	102594

Gamma GOF Test

A-D Test Statistic	0.566	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.71	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.338	**Kolmogrov-Smirnoff Gamma GOF Test**

5% K-S Critical Value	0.42	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.279	k star (bias corrected MLE)	0.236
Theta hat (MLE)	94211	Theta star (bias corrected MLE)	111215
nu hat (MLE)	2.233	nu star (bias corrected)	1.892
MLE Mean (bias corrected)	26297	MLE Sd (bias corrected)	54079

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	356116	90% Percentile	79205
95% Hawkins Wixley (HW) Approx. Gamma UPL	555836	95% Percentile	129389
95% WH Approx. Gamma UTL with 95% Coverage	1672917	99% Percentile	264038
95% HW Approx. Gamma UTL with 95% Coverage	4003830		
95% WH USL	115054	95% HW USL	135890

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.775	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.304	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with 95% Coverage	2.934E+11	90% Percentile (z)	229390
95% UPL (t)	31218822	95% Percentile (z)	860980
95% USL	443275	99% Percentile (z)	10292184

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with 95% Coverage	68000
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185
95% Percentile Bootstrap UTL with 95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	68000	90% Percentile	58700
90% Chebyshev UPL	136302	95% Percentile	63350
95% Chebyshev UPL	186131	99% Percentile	67070
95% USL	68000		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

DIBENZ(A,H)ANTHRACENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	11	First Quartile	12.5
Second Largest	4700	Median	2357
Maximum	10000	Third Quartile	6025
Mean	3681	SD	4757
Coefficient of Variation	1.292	Skewness	0.957
Mean of logged Data	5.657	SD of logged Data	3.681

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.862	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.28	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	28152	90% Percentile (z)	9778
95% UPL (t)	16198	95% Percentile (z)	11506

95% USL	10638	99% Percentile (z)	14748

Gamma GOF Test

A-D Test Statistic	0.53	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.711	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.334	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.42	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.274	k star (bias corrected MLE)	0.235
Theta hat (MLE)	13433	Theta star (bias corrected MLE)	15652
nu hat (MLE)	2.192	nu star (bias corrected)	1.881
MLE Mean (bias corrected)	3681	MLE Sd (bias corrected)	7591

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	50007	90% Percentile	11090
95% Hawkins Wixley (HW) Approx. Gamma UPL	78012	95% Percentile	18140
95% WH Approx. Gamma UTL with 95% Coverage	235939	99% Percentile	37071
95% HW Approx. Gamma UTL with 95% Coverage	565363		
95% WH USL	16077	95% HW USL	18947

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.791	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.3	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with 95% Coverage	4.778E+10	90% Percentile (z)	32014
95% UPL (t)	4598174	95% Percentile (z)	121917
95% USL	62313	99% Percentile (z)	1497587

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with 95% Coverage	10000
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185
95% Percentile Bootstrap UTL with 95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	10000	90% Percentile	8410
90% Chebyshev UPL	19637	95% Percentile	9205
95% Chebyshev UPL	26864	99% Percentile	9841
95% USL	10000		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

FLUORANTHENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	130	First Quartile	145
Second Largest	65000	Median	32575
Maximum	120000	Third Quartile	78750
Mean	46320	SD	57859
Coefficient of Variation	1.249	Skewness	0.721
Mean of logged Data	8.164	SD of logged Data	3.733

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.866	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.288	**Lilliefors GOF Test**

5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with	95% Coverage	343945	90% Percentile (z)	120469
	95% UPL (t)	198554	95% Percentile (z)	141489
	95% USL	130938	99% Percentile (z)	180919

Gamma GOF Test

A-D Test Statistic	0.562	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.712	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.336	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.42	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.272	k star (bias corrected MLE)	0.235
Theta hat (MLE)	170493	Theta star (bias corrected MLE)	197453
nu hat (MLE)	2.173	nu star (bias corrected)	1.877
MLE Mean (bias corrected)	46320	MLE Sd (bias corrected)	95635

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	633628	90% Percentile	139573
95% Hawkins Wixley (HW) Approx. Gamma UPL	996731	95% Percentile	228432
95% WH Approx. Gamma UTL with 95% Coverage	2990023	99% Percentile	467127
95% HW Approx. Gamma UTL with 95% Coverage	7241791		
95% WH USL	203667	95% HW USL	241411

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.78	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.301	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with	95% Coverage	7.657E+11	90% Percentile (z)	419718
	95% UPL (t)	64665406	95% Percentile (z)	1628840
	95% USL	824667	99% Percentile (z)	20729861

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with	95% Coverage	120000
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL		0.185
95% Percentile Bootstrap UTL with	95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	120000		90% Percentile	103500
90% Chebyshev UPL	240384		95% Percentile	111750
95% Chebyshev UPL	328288		99% Percentile	118350
95% USL	120000			

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

FLUORENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Missing Observations	0
Number of Distinct Observations	4		
Number of Detects	2	Number of Non-Detects	2
Number of Distinct Detects	2	Number of Distinct Non-Detects	2
Minimum Detect	460	Minimum Non-Detect	0.76
Maximum Detect	770	Maximum Non-Detect	1.2
Variance Detected	48050	Percent Non-Detects	50%
Mean Detected	615	SD Detected	219.2
Mean of Detected Logged Data	6.389	SD of Detected Logged Data	0.364

Warning: Data set has only 2 Detected Values.
This is not enough to compute meaningful or reliable statistics and estimates.

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test on Detects Only
Not Enough Data to Perform GOF Test

Kaplan Meier (KM) Background Statistics Assuming Normal Distribution

Mean	307.9	SD	326.1
95% UTL95% Coverage	1985	95% KM UPL (t)	1166
90% KM Percentile (z)	725.8	95% KM Percentile (z)	844.3
99% KM Percentile (z)	1066	95% KM USL	784.8

DL/2 Substitution Background Statistics Assuming Normal Distribution

Mean	307.7	SD	376.7
95% UTL95% Coverage	2245	95% UPL (t)	1299
90% Percentile (z)	790.5	95% Percentile (z)	927.3
99% Percentile (z)	1184	95% USL	858.6

DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons

Gamma GOF Tests on Detected Observations Only
Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	15.4	k star (bias corrected MLE)	N/A
Theta hat (MLE)	39.93	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	61.61	nu star (bias corrected)	N/A
MLE Mean (bias corrected)	N/A		
MLE Sd (bias corrected)	N/A	95% Percentile of Chisquare (2k)	N/A

The following statistics are computed using gamma distribution and KM estimates
Upper Limits using Wilson Hilferty (WH) and Hawkins Wixley (HW) Methods

k hat (KM)	0.891		nu hat (KM)	7.131	
	WH	HW		WH	HW
95% Approx. Gamma UTL with 95% Coverage	14212	31618	95% Approx. Gamma UPL	3160	4650
95% Gamma USL	1072	1209			

Lognormal GOF Test on Detected Observations Only
Not Enough Data to Perform GOF Test

Background Lognormal ROS Statistics Assuming Lognormal Distribution Using Imputed Non-Detects

Mean in Original Scale	387.1	Mean in Log Scale	5.73
SD in Original Scale	292	SD in Log Scale	0.79
95% UTL95% Coverage	17889	95% BCA UTL95% Coverage	N/A
95% Bootstrap (%) UTL95% Coverage	N/A	95% UPL (t)	2459
90% Percentile (z)	847	95% Percentile (z)	1128
99% Percentile (z)	1933	95% USL	977.1

Background DL/2 Statistics Assuming Lognormal Distribution

Mean in Original Scale	307.7	Mean in Log Scale	2.825
SD in Original Scale	376.7	SD in Log Scale	4.125
95% UTL95% Coverage	2.767E+10	95% UPL (t)	871628
90% Percentile (z)	3331	95% Percentile (z)	14909
99% Percentile (z)	247921	95% USL	7027

DL/2 is not a Recommended Method. DL/2 provided for comparisons and historical reasons.

Nonparametric Distribution Free Background Statistics
Data do not follow a Discernible Distribution (0.05)

Nonparametric Upper Limits for BTVs(no distinction made between detects and nondetects)

Order of Statistic, r	4	95% UTL with95% Coverage	770
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185
95% UPL	770	95% USL	770
95% KM Chebyshev UPL	1897		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

INDENO(1,2,3-C,D)PYRENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	75	First Quartile	86.25
Second Largest	30000	Median	15045
Maximum	51000	Third Quartile	35250
Mean	20291	SD	24860
Coefficient of Variation	1.225	Skewness	0.58
Mean of logged Data	7.491	SD of logged Data	3.567

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.863	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.292	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with	95% Coverage 148172	90% Percentile (z)	52151
	95% UPL (t) 85702	95% Percentile (z)	61182
	95% USL 56649	99% Percentile (z)	78125

Gamma GOF Test

A-D Test Statistic	0.57	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.708	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.335	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.419	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.286	k star (bias corrected MLE)	0.238
Theta hat (MLE)	70862	Theta star (bias corrected MLE)	85167
nu hat (MLE)	2.291	nu star (bias corrected)	1.906
MLE Mean (bias corrected)	20291	MLE Sd (bias corrected)	41571

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	272540	90% Percentile	61092
95% Hawkins Wixley (HW) Approx. Gamma UPL	423370	95% Percentile	99620
95% WH Approx. Gamma UTL with	95% Coverage 1273957	99% Percentile	202884
95% HW Approx. Gamma UTL with	95% Coverage 3024139		
95% WH USL	88550	95% HW USL	104449

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.78	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.299	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with	95% Coverage 1.669E+11	90% Percentile (z)	173314
	95% UPL (t) 21358369	95% Percentile (z)	633356
	95% USL 330485	99% Percentile (z)	7201027

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with 95% Coverage	51000
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185

95% Percentile Bootstrap UTL with	95% Coverage	N/A	95% BCA Bootstrap UTL with	95% Coverage	N/A
	95% UPL	51000		90% Percentile	44700
	90% Chebyshev UPL	103675		95% Percentile	47850
	95% Chebyshev UPL	141444		99% Percentile	50370
	95% USL	51000			

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

NAPHTHALENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	1.4	First Quartile	1.85
Second Largest	79	Median	40.5
Maximum	150	Third Quartile	96.75
Mean	58.1	SD	71.28
Coefficient of Variation	1.227	Skewness	0.785
Mean of logged Data	2.602	SD of logged Data	2.429

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.868	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.284	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with	95% Coverage	424.8	90% Percentile (z)	149.5
	95% UPL (t)	245.7	95% Percentile (z)	175.4
	95% USL	162.4	99% Percentile (z)	223.9

Gamma GOF Test

A-D Test Statistic	0.474	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.687	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.324	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.412	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.443	k star (bias corrected MLE)	0.278
Theta hat (MLE)	131	Theta star (bias corrected MLE)	209.4
nu hat (MLE)	3.547	nu star (bias corrected)	2.22
MLE Mean (bias corrected)	58.1	MLE Sd (bias corrected)	110.3

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL		634.9	90% Percentile	172.8
95% Hawkins Wixley (HW) Approx. Gamma UPL		871	95% Percentile	272.4
95% WH Approx. Gamma UTL with	95% Coverage	2710	99% Percentile	533.8
95% HW Approx. Gamma UTL with	95% Coverage	5294		
	95% WH USL	227.9	95% HW USL	254

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.828	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.284	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with	95% Coverage	3604771	90% Percentile (z)	303.5
	95% UPL (t)	8053	95% Percentile (z)	733.6
	95% USL	471.1	99% Percentile (z)	3841

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with 95% Coverage	150
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL	0.185
95% Percentile Bootstrap UTL with 95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	150	90% Percentile	128.7
90% Chebyshev UPL	297.2	95% Percentile	139.4
95% Chebyshev UPL	405.5	99% Percentile	147.9
95% USL	150		

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

PHENANTHRENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	43	First Quartile	50.5
Second Largest	22000	Median	11027
Maximum	40000	Third Quartile	26500
Mean	15524	SD	19322
Coefficient of Variation	1.245	Skewness	0.695
Mean of logged Data	7.082	SD of logged Data	3.722

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.866	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.288	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with 95% Coverage	114917	90% Percentile (z)	40286
95% UPL (t)	66363	95% Percentile (z)	47306
95% USL	43783	99% Percentile (z)	60474

Gamma GOF Test

A-D Test Statistic	0.56	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.712	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.335	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.42	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.273	k star (bias corrected MLE)	0.235
Theta hat (MLE)	56930	Theta star (bias corrected MLE)	66105
nu hat (MLE)	2.181	nu star (bias corrected)	1.879
MLE Mean (bias corrected)	15524	MLE Sd (bias corrected)	32035

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	212134	90% Percentile	46775
95% Hawkins Wixley (HW) Approx. Gamma UPL	333528	95% Percentile	76535
95% WH Approx. Gamma UTL with 95% Coverage	1000291	99% Percentile	156463
95% HW Approx. Gamma UTL with 95% Coverage	2420326		
95% WH USL	68244	95% HW USL	80888

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.784	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.298	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with	95% Coverage	2.464E+11	90% Percentile (z)	140406
	95% UPL (t)	21340681	95% Percentile (z)	542901
	95% USL	275371	99% Percentile (z)	6862201

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

Order of Statistic, r	4	95% UTL with	95% Coverage	40000
Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL		0.185
95% Percentile Bootstrap UTL with	95% Coverage	N/A	95% BCA Bootstrap UTL with 95% Coverage	N/A
95% UPL	40000		90% Percentile	34600
90% Chebyshev UPL	80332		95% Percentile	37300
95% Chebyshev UPL	109688		99% Percentile	39460
95% USL	40000			

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

PYRENE (ug/kg)

General Statistics

Total Number of Observations	4	Number of Distinct Observations	4
Minimum	110	First Quartile	132.5
Second Largest	58000	Median	29070
Maximum	99000	Third Quartile	68250
Mean	39313	SD	48246
Coefficient of Variation	1.227	Skewness	0.587
Mean of logged Data	8.028	SD of logged Data	3.711

Critical Values for Background Threshold Values (BTVs)

Tolerance Factor K (For UTL)	5.144	d2max (for USL)	1.462

Normal GOF Test

Shapiro Wilk Test Statistic	0.864	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.292	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Normal at 5% Significance Level

Data appear Normal at 5% Significance Level

Background Statistics Assuming Normal Distribution

95% UTL with	95% Coverage	287492	90% Percentile (z)	101143
	95% UPL (t)	166256	95% Percentile (z)	118671
	95% USL	109873	99% Percentile (z)	151550

Gamma GOF Test

A-D Test Statistic	0.57	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.711	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.334	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.42	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.274	k star (bias corrected MLE)	0.235
Theta hat (MLE)	143326	Theta star (bias corrected MLE)	167118
nu hat (MLE)	2.194	nu star (bias corrected)	1.882
MLE Mean (bias corrected)	39313	MLE Sd (bias corrected)	81054

Background Statistics Assuming Gamma Distribution

95% Wilson Hilferty (WH) Approx. Gamma UPL	536765	90% Percentile	118441
95% Hawkins Wixley (HW) Approx. Gamma UPL	844324	95% Percentile	193719
95% WH Approx. Gamma UTL with 95% Coverage	2527379	99% Percentile	395850
95% HW Approx. Gamma UTL with 95% Coverage	6115143		
95% WH USL	172964	95% HW USL	205201

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.782	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.748	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.297	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.443	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Background Statistics assuming Lognormal Distribution

95% UTL with	95% Coverage	5.989E+11	90% Percentile (z)	356577
	95% UPL (t)	53372665	95% Percentile (z)	1373083
	95% USL	697899	99% Percentile (z)	17221759

Nonparametric Distribution Free Background Statistics

Data appear Normal at 5% Significance Level

Nonparametric Upper Limits for Background Threshold Values

	Order of Statistic, r	4	95% UTL with	95% Coverage	99000
	Approximate f	0.211	Confidence Coefficient (CC) achieved by UTL		0.185
95% Percentile Bootstrap UTL with	95% Coverage	N/A	95% BCA Bootstrap UTL with	95% Coverage	N/A
	95% UPL	99000		90% Percentile	86700
	90% Chebyshev UPL	201136		95% Percentile	92850
	95% Chebyshev UPL	274436		99% Percentile	97770
	95% USL	99000			

Note: The use of USL to estimate a BTV is recommended only when the data set represents a background data set free of outliers and consists of observations collected from clean unimpacted locations. The use of USL tends to provide a balance between false positives and false negatives provided the data represents a background data set and when many onsite observations need to be compared with the BTV.

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	9/8/2014 10:44:13 AM
From File	Apdx B ProUCL input and output for 3 PAHs in soil.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Benzene (ug/kg)

General Statistics

Total Number of Observations	62	Number of Distinct Observations	11
		Number of Missing Observations	24
Number of Detects	1	Number of Non-Detects	61
Number of Distinct Detects	1	Number of Distinct Non-Detects	10

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 Benzene (ug/kg) was not processed!

Ethylbenzene (ug/kg)

General Statistics

Total Number of Observations	62	Number of Distinct Observations	11
		Number of Missing Observations	24
Number of Detects	2	Number of Non-Detects	60
Number of Distinct Detects	2	Number of Distinct Non-Detects	9
Minimum Detect	3900	Minimum Non-Detect	5.2
Maximum Detect	54000	Maximum Non-Detect	6
Variance Detects	1.255E+9	Percent Non-Detects	96.77%
Mean Detects	28950	SD Detects	35426
Median Detects	28950	CV Detects	1.224
Skewness Detects	N/A	Kurtosis Detects	N/A
Mean of Logged Detects	9.583	SD of Logged Detects	1.858

Warning: Data set has only 2 Detected Values.
This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only
Not Enough Data to Perform GOF Test

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	938.9	Standard Error of Mean	1223
SD	6811	95% KM (BCA) UCL	N/A
95% KM (t) UCL	2982	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	2951	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	4609	95% KM Chebyshev UCL	6271
97.5% KM Chebyshev UCL	8579	99% KM Chebyshev UCL	13111

Gamma GOF Tests on Detected Observations Only
Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	0.852	k star (bias corrected MLE)	N/A
Theta hat (MLE)	33965	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	3.409	nu star (bias corrected)	N/A
MLE Mean (bias corrected)	N/A	MLE Sd (bias corrected)	N/A

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.019	nu hat (KM)	2.356
		Adjusted Level of Significance (β)	0.0461
Approximate Chi Square Value (2.36, α)	0.21	Adjusted Chi Square Value (2.36, β)	0.2
95% Gamma Approximate KM-UCL (use when n>=50)	10515	95% Gamma Adjusted KM-UCL (use when n<50)	11056

Gamma (KM) may not be used when k hat (KM) is < 0.1

Lognormal GOF Test on Detected Observations Only

Not Enough Data to Perform GOF Test

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	934.1	Mean in Log Scale	-10.88
SD in Original Scale	6868	SD in Log Scale	7.784
95% t UCL (assumes normality of ROS data)	2391	95% Percentile Bootstrap UCL	2676
95% BCA Bootstrap UCL	4418	95% Bootstrap t UCL	4941584
95% H-UCL (Log ROS)	4.368E+13		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	936.6	Mean in Log Scale	1.298
SD in Original Scale	6867	SD in Log Scale	1.544
95% t UCL (Assumes normality)	2393	95% H-Stat UCL	20

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL	6271

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Naphthalene (ug/kg)

General Statistics

Total Number of Observations	68	Number of Distinct Observations	12
		Number of Missing Observations	18
Number of Detects	1	Number of Non-Detects	67
Number of Distinct Detects	1	Number of Distinct Non-Detects	11

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 Naphthalene (ug/kg) was not processed!

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzene (ug/kg)	D_Benzene (ug/kg)	Ethylbenzene (ug/kg)	d_Ethylbenzene (ug/kg)	Naphthalene (ug/kg)	d_Naphthalene (ug/kg)
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	5.8	0	5.8	0	380	0
	CAN127-1271-0002	2	0313740004SA	9/23/1993	5.8	0	5.8	0	*1E+31*	0
	CAN127-1271-0004	4	0313740005SA	9/23/1993	5.8	0	5.8	0	380	0
	CAN127-1271-0008	8	0313740006SA	9/23/1993	5.7	0	5.7	0	*1E+31*	0
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	5.8	0	5.8	0	380	0
	CAN127-1272-0002	2	0313740008SA	9/23/1993	6.0	0	6.0	0	400	0
	CAN127-1272-0004	4	0313740009SA	9/23/1993	5.9	0	5.9	0	*1E+31*	0
	CAN127-1272-0008	8	0313740010SA	9/23/1993	5.9	0	5.9	0	*1E+31*	0
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	5.2	0	5.2	0	350	0
	CAN127-1273-0002	2	0312160002SA	9/13/1993	5.5	0	5.5	0	*1E+31*	0
	CAN127-1273-0004	4	0312160004SA	9/13/1993	5.5	0	5.5	0	*1E+31*	0
	CAN127-1273-0008	8	0312160003SA	9/13/1993	5.5	0	5.5	0	360	0
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	5.5	0	5.5	0	370	0
	CAN127-1274-0002	2	0312770002SA	9/14/1993	5.5	0	5.5	0	*1E+31*	0
	CAN127-1274-0004	4	0312770003SA	9/14/1993	5.5	0	5.5	0	*1E+31*	0
	CAN127-1274-0008	8	0312770004SA	9/14/1993	5.7	0	5.7	0	*1E+31*	0
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	5.2	0	5.2	0	1,400	0
	CAN127-1275-0002	2	0312770012SA	9/14/1993	5.8	0	5.8	0	380	0
	CAN127-1275-0004	4	0312770013SA	9/14/1993	5.7	0	5.7	0	*1E+31*	0
	CAN127-1275-0008	8	0312770014SA	9/14/1993	5.8	0	5.8	0	*1E+31*	0
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	5.2	0	5.2	0	340	0
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	5.4	0	5.4	0	*1E+31*	0
	CAN127-1276-0004	4	0312150009SA	9/13/1993	5.4	0	5.4	0	*1E+31*	0
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	5.5	0	5.5	0	*1E+31*	0
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	5.3	0	5.3	0	350	0
	CAN127-1277-0002	2	0311840010SA	9/12/1993	5.4	0	5.4	0	*1E+31*	0
	CAN127-1277-0004	4	0311840011SA	9/12/1993	5.5	0	5.5	0	*1E+31*	0
	CAN127-1277-0008	8	0311840012SA	9/12/1993	5.5	0	5.5	0	360	0
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	5.3	0	5.3	0	1,400	0
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	5.4	0	5.4	0	*1E+31*	0
	CAN127-1278-0004	4	0311840004SA	9/12/1993	5.5	0	5.5	0	*1E+31*	0
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	5.6	0	5.6	0	370	0
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	7,000	0	3,900	1	37,000	0
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	5.8	0	5.8	0	380	0
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	5.7	0	5.7	0	380	0
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	3,800	1	54,000	1	21,000	1
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	5.9	0	5.9	0	390	0
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	5.5	0	5.5	0	360	0
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	5.9	0	5.9	0	390	0
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	5.4	0	5.4	0	360	0
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	5.3	0	5.3	0	350	0
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	5.7	0	5.7	0	370	0
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	5.4	0	5.4	0	360	0
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	5.7	0	5.7	0	380	0

2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	5.5	0	5.5	0	360	0
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	5.5	0	5.5	0	370	0
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	5.4	0	5.4	0	360	0
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	5.5	0	5.5	0	360	0
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*1E+31*	0	*1E+31*	0	360	0
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	5.5	0	5.5	0	360	0
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	5.6	0	5.6	0	370	0
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*1E+31*	0	*1E+31*	0	370	0
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*1E+31*	0	*1E+31*	0	360	0
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	5.5	0	5.5	0	360	0
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	5.6	0	5.6	0	370	0
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	5.4	0	5.4	0	360	0
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	5.4	0	5.4	0	360	0
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	5.6	0	5.6	0	370	0
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	5.5	0	5.5	0	360	0
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	5.3	0	5.3	0	350	0
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	5.5	0	5.5	0	360	0
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	5.4	0	5.4	0	360	0
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	5.6	0	5.6	0	370	0
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	5.8	0	5.8	0	380	0
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	5.5	0	5.5	0	360	0
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*1E+31*	0	*1E+31*	0	120	0
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*1E+31*	0	*1E+31*	0	120	0
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*1E+31*	0	*1E+31*	0	110	0
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*1E+31*	0	*1E+31*	0	120	0
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*1E+31*	0	*1E+31*	0	110	0
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*1E+31*	0	*1E+31*	0	110	0
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*1E+31*	0	*1E+31*	0	120	0
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*1E+31*	0	*1E+31*	0	120	0
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*1E+31*	0	*1E+31*	0	120	0
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*1E+31*	0	*1E+31*	0	120	0
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*1E+31*	0	*1E+31*	0	110	0
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*1E+31*	0	*1E+31*	0	110	0
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*1E+31*	0	*1E+31*	0	110	0
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*1E+31*	0	*1E+31*	0	110	0
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*1E+31*	0	*1E+31*	0	110	0
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*1E+31*	0	*1E+31*	0	110	0
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*1E+31*	0	*1E+31*	0	120	0
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*1E+31*	0	*1E+31*	0	110	0
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*1E+31*	0	*1E+31*	0	110	0
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*1E+31*	0	*1E+31*	0	110	0
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*1E+31*	0	*1E+31*	0	110	0

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzene			Ethylbenzene			Naphthalene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	5.8	U	ND	5.8	U	*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	6.0	U	ND	6.0	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	5.9	U	ND	5.9	U	*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	5.9	U	ND	5.9	U	*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	5.2	U	ND	5.2	U	ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	5.8	U	ND	5.8	U	*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	1.2	5.8	J	1.3	5.8	J	*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	5.3	U	ND	5.3	UJ	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	360	U
1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		

	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	5.3	U	ND	5.3	U	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	5.6	U	ND	5.6	J	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	7,000	U	3,900	7,000	J	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	5.7	U	ND	5.7	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	3,800	7,200	J	54,000	7,200		21,000	38,000	J
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	5.3	U	ND	5.3	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	370	U
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			ND	370	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			ND	380	UJ

	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	370	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	5.3	U	ND	5.3	U	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	6.4	U	ND	6.4	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	5.4	U	ND	5.4	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			ND	110	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			ND	110	U

127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			ND	110	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			ND	110	U

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzene			Ethylbenzene			Naphthalene		
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	5.8	U	ND	5.8	U	*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	6.0	U	ND	6.0	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	5.9	U	ND	5.9	U	*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	5.9	U	ND	5.9	U	*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	360	U
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	5.2	U	ND	5.2	U	ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	5.8	U	ND	5.8	U	*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	5.3	U	ND	5.3	UJ	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	360	U
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	5.3	U	ND	5.3	U	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	5.6	U	ND	5.6	J	ND	370	U
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	7,000	U	3,900	7,000	J	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	5.7	U	ND	5.7	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	3,800	7,200	J	54,000	7,200		21,000	38,000	J
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	5.3	U	ND	5.3	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	380	U
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	5.4	U	ND	5.4	U	ND	360	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			ND	370	UJ

	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	5.3	U	ND	5.3	U	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			ND	110	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			ND	110	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			ND	110	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			ND	110	U

Appendix A-3
ProUCL Output for Ethylbenzene in Surface Soil (0-2 ft Soil), SWMU 127, Cannon AFB

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	9/24/2014 11:01:38 AM
From File	Apdx A-3 ProUCL input and output for EB in surfce soil.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Ethylbenzene (ug/kg)

General Statistics

Total Number of Observations	28	Number of Distinct Observations	10
		Number of Missing Observations	23
Number of Detects	2	Number of Non-Detects	26
Number of Distinct Detects	2	Number of Distinct Non-Detects	8
Minimum Detect	3900	Minimum Non-Detect	5.2
Maximum Detect	54000	Maximum Non-Detect	6
Variance Detects	1.255E+9	Percent Non-Detects	92.86%
Mean Detects	28950	SD Detects	35426
Median Detects	28950	CV Detects	1.224
Skewness Detects	N/A	Kurtosis Detects	N/A
Mean of Logged Detects	9.583	SD of Logged Detects	1.858

Warning: Data set has only 2 Detected Values.

This is not enough to compute meaningful or reliable statistics and estimates.

Normal GOF Test on Detects Only

Not Enough Data to Perform GOF Test

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

Mean	2073	Standard Error of Mean	2678
SD	10019	95% KM (BCA) UCL	N/A
95% KM (t) UCL	6634	95% KM (Percentile Bootstrap) UCL	N/A
95% KM (z) UCL	6477	95% KM Bootstrap t UCL	N/A
90% KM Chebyshev UCL	10106	95% KM Chebyshev UCL	13745
97.5% KM Chebyshev UCL	18796	99% KM Chebyshev UCL	28717

Gamma GOF Tests on Detected Observations Only

Not Enough Data to Perform GOF Test

Gamma Statistics on Detected Data Only

k hat (MLE)	0.852	k star (bias corrected MLE)	N/A
Theta hat (MLE)	33965	Theta star (bias corrected MLE)	N/A
nu hat (MLE)	3.409	nu star (bias corrected)	N/A

MLE Mean (bias corrected)	N/A	MLE Sd (bias corrected)	N/A

Gamma Kaplan-Meier (KM) Statistics

k hat (KM)	0.0428	nu hat (KM)	2.396
		Adjusted Level of Significance (β)	0.0404
Approximate Chi Square Value (2.40, α)	0.219	Adjusted Chi Square Value (2.40, β)	0.192
95% Gamma Approximate KM-UCL (use when n>=50)	22717	95% Gamma Adjusted KM-UCL (use when n<50)	25893

Gamma (KM) may not be used when k hat (KM) is < 0.1

Lognormal GOF Test on Detected Observations Only

Not Enough Data to Perform GOF Test

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2068	Mean in Log Scale	-5.502
SD in Original Scale	10204	SD in Log Scale	6.305
95% t UCL (assumes normality of ROS data)	5353	95% Percentile Bootstrap UCL	5925
95% BCA Bootstrap UCL	9643	95% Bootstrap t UCL	20578428
95% H-UCL (Log ROS)	1.288E+12		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	2070	Mean in Log Scale	1.626
SD in Original Scale	10204	SD in Log Scale	2.276
95% t UCL (Assumes normality)	5355	95% H-Stat UCL	449.6

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

97.5% KM (Chebyshev) UCL	18796

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness.
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Ethylbenzene (ug/kg)	d_Ethylbenzene (ug/kg)
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	5.8	0
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	5.8	0
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	5.2	0
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	5.5	0
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	5.2	0
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	5.2	0
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	5.3	0
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	5.3	0
	CAN127-1271-0002	2	0313740004SA	9/23/1993	5.8	0
	CAN127-1272-0002	2	0313740008SA	9/23/1993	6.0	0
	CAN127-1273-0002	2	0312160002SA	9/13/1993	5.5	0
	CAN127-1274-0002	2	0312770002SA	9/14/1993	5.5	0
	CAN127-1275-0002	2	0312770012SA	9/14/1993	5.8	0
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	5.4	0
	CAN127-1277-0002	2	0311840010SA	9/12/1993	5.4	0
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	5.4	0
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	3,900	1
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	54,000	1
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	5.4	0
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	5.4	0
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	5.5	0
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	5.5	0
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*1E+31*	0
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*1E+31*	0
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	5.5	0
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	5.6	0
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	5.6	0
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	5.5	0
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	5.6	0
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*1E+31*	0
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*1E+31*	0
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*1E+31*	0

127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*1E+31*	0
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*1E+31*	0
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*1E+31*	0
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*1E+31*	0
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*1E+31*	0
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*1E+31*	0
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*1E+31*	0
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*1E+31*	0
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*1E+31*	0
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*1E+31*	0
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*1E+31*	0
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*1E+31*	0
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*1E+31*	0
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*1E+31*	0
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*1E+31*	0
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*1E+31*	0
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*1E+31*	0
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*1E+31*	0
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	5.7	0

Location	Sample Number	Depth (feet bgs)	Laboratory Sample Number	Sample Date	Benzene			Ethylbenzene			Naphthalene		
					Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual	Result (ug/kg)	RL (ug/kg)	Qual
1271	CAN127-1271-0000	0	0313740003SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1271-0002	2	0313740004SA	9/23/1993	ND	5.8	U	ND	5.8	U	*not sampled*		
	CAN127-1271-0004	4	0313740005SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1271-0008	8	0313740006SA	9/23/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
1272	CAN127-1272-0000	0	0313740007SA	9/23/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1272-0002	2	0313740008SA	9/23/1993	ND	6.0	U	ND	6.0	U	ND	400	U
	CAN127-1272-0004	4	0313740009SA	9/23/1993	ND	5.9	U	ND	5.9	U	*not sampled*		
	CAN127-1272-0008	8	0313740010SA	9/23/1993	ND	5.9	U	ND	5.9	U	*not sampled*		
1273	CAN127-1273-0000	0	0312160001SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	350	U
	CAN127-1273-0002	2	0312160002SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0004	4	0312160004SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0008	8	0312160003SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	360	U
1273	CAN127-1273-0018	18	0312160005SA	9/13/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
	CAN127-1273-0028	28	0312160006SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0038	38	0312160007SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0048	48	0312160008SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1273-0058	58	0312160009SA	9/13/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
1274	CAN127-1274-0000	0	0312770001SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	370	U
	CAN127-1274-0002	2	0312770002SA	9/14/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1274-0004	4	0312770003SA	9/14/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1274-0008	8	0312770004SA	9/14/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
	CAN127-1274-0018	18	0312770005SA	9/14/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1274-0028	28	0312770007SA	9/14/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
	CAN127-1274-0038	38	0312770008SA	9/14/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
1274	CAN127-1274-0048	48	0312770009SA	9/14/1993	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-1274-0058	58	0312770010SA	9/14/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
1275	CAN127-1275-0000	0	0312770011SA	9/14/1993	ND	5.2	U	ND	5.2	U	ND	1,400	U
	CAN127-1275-0002	2	0312770012SA	9/14/1993	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-1275-0004	4	0312770013SA	9/14/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
	CAN127-1275-0008	8	0312770014SA	9/14/1993	ND	5.8	U	ND	5.8	U	*not sampled*		
1275	CAN127-1275-0018	18	0312770015SA	9/14/1993	1.2	5.8	J	1.3	5.8	J	*not sampled*		
	CAN127-1275-0028	28	0312770016SA	9/14/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
1275	CAN127-1275-0038	38	0312770017SA	9/14/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1275-0048	48	0312770018SA	9/14/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
	CAN127-1275-0058	58	0312770019SA	9/14/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
1276	CAN127-1276-0000	0	0312160012SA	9/13/1993	ND	5.2	U	ND	5.2	U	ND	340	U
1276	CAN127-1276-0002	2	0312160013SA	9/13/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
	CAN127-1276-0004	4	0312150009SA	9/13/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
1276	CAN127-1276-0008	8	0312150010SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1276-0018	18	0312150011SA	9/13/1993	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-1276-0028	28	0312150012SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1276-0038	38	0312150013SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
1276	CAN127-1276-0048	48	0312150014SA	9/13/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1276-0058	58	0312150015SA	9/13/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
1277	CAN127-1277-0000	0	0311840009SA	9/12/1993	ND	5.3	U	ND	5.3	UJ	ND	350	U
	CAN127-1277-0002	2	0311840010SA	9/12/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
	CAN127-1277-0004	4	0311840011SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1277-0008	8	0311840012SA	9/12/1993	ND	5.5	U	ND	5.5	U	ND	360	U

1277	CAN127-1277-0018	18	0311840013SA	9/12/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
	CAN127-1277-0028	28	0311840014SA	9/12/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
1277	CAN127-1277-0038	38	0311840015SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1277-0048	48	0311840016SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
	CAN127-1277-0058	58	0311840017SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
1278	CAN127-1278-0000	0	0311840001SA	9/12/1993	ND	5.3	U	ND	5.3	U	ND	1,400	U
1278	CAN127-1278-0002	2	0311840002SA	9/12/1993	ND	5.4	U	ND	5.4	U	*not sampled*		
	CAN127-1278-0004	4	0311840004SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
1278	CAN127-1278-0008	8	0311840005SA	9/12/1993	ND	5.6	U	ND	5.6	J	ND	370	U
	CAN127-1278-0018	18	0311840006SA	9/12/1993	ND	5.7	U	ND	5.7	U	*not sampled*		
	CAN127-1278-0028	28	0311840007SA	9/12/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
	CAN127-1278-0038	38	0311840008SA	9/12/1993	ND	5.5	U	ND	5.5	U	*not sampled*		
1278	CAN127-1278-0048	48	0312160010SA	9/13/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
	CAN127-1278-0058	58	0312160011SA	9/13/1993	ND	5.6	U	ND	5.6	U	*not sampled*		
2709	CAN127-2709-0000	0 to 0.5	0398710011SA	12/13/1994	ND	7,000	U	3,900	7,000	J	ND	37,000	U
	CAN127-2709-0005	3 to 5	0398710009SA	12/13/1994	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-2709-0010	8 to 10	0398710008SA	12/13/1994	ND	5.7	U	ND	5.7	U	ND	380	U
2710	CAN127-2710-0000	0 to 0.5	0398710005SA	12/13/1994	3,800	7,200	J	54,000	7,200		21,000	38,000	J
	CAN127-2710-0005	3 to 5	0398710003SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	390	U
	CAN127-2710-0010	8 to 10	0398710007SA	12/13/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2710-2766	3 to 5	0398710001SA	12/13/1994	ND	5.9	U	ND	5.9	U	ND	390	U
2711	CAN127-2711-0000	0 to 0.5	0397370007SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2711-0005	3 to 5	0397370008SA	12/9/1994	ND	5.3	U	ND	5.3	U	ND	350	U
	CAN127-2711-0010	8 to 10	0397370009SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	370	U
	CAN127-2711-0015	13 to 15	0397370010SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	370	U
	CAN127-2711-0020	18 to 20	0397370011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-0025	23 to 25	0397370012SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-0030	28 to 30	0397370013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-0035	33 to 35	0397740013SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-0040	38 to 40	0397740014SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2711-0050	48 to 50	0397740015SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-0060	58 to 60	0397740016SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2711-2764	0 to 0.5	0397370014SA	12/9/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2711-2765	NR	0397370015SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	380	U
	CAN127-2711-6030	28 to 30	0397370016SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	370	U
2712	CAN127-2712-0000	0 to 0.5	0397130001SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2712-0005	3 to 5	0397130002SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	370	U
	CAN127-2712-0010	8 to 10	0397130003SA	12/8/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2712-0015	13 to 15	0397130004SA	12/8/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2712-0020	18 to 20	0397130005SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2712-0025	23 to 25	0397130006SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2712-0030	28 to 30	0397130007SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2712-0035	33 to 35	0397130008SA	12/8/1994	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-2712-0040	38 to 40	0397130009SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2712-0050	48 to 50	0397130010SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2712-0060	58 to 60	0397130011SA	12/8/1994	ND	5.6	U	ND	5.6	U	ND	370	U
2713	CAN127-2713-0000	0 to 0.5	0397380001SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2713-0000	0 to 0.5	0397380013SA	12/9/1994	*not sampled*			*not sampled*			ND	360	UJ
	CAN127-2713-0005	3 to 5	0397380002SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	UJ
	CAN127-2713-0010	8 to 10	0397380003SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U

	CAN127-2713-0010	8 to 10	0397380003RA	12/9/1994	*not sampled*			*not sampled*			ND	370	UJ
	CAN127-2713-0015	13 to 15	0397380004RA	12/9/1994	*not sampled*			*not sampled*			ND	380	UJ
	CAN127-2713-0015	13 to 15	0397380004SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	380	U
	CAN127-2713-0020	18 to 20	0397380005RA	12/9/1994	*not sampled*			*not sampled*			ND	360	UJ
	CAN127-2713-0020	18 to 20	0397380005SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2713-0025	23 to 25	0397380006RA	12/9/1994	*not sampled*			*not sampled*			ND	380	UJ
	CAN127-2713-0025	23 to 25	0397380006SA	12/9/1994	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-2713-0030	28 to 30	0397380007RA	12/9/1994	*not sampled*			*not sampled*			ND	370	UJ
	CAN127-2713-0030	28 to 30	0397380007SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2713-0035	33 to 35	0397380008RA	12/9/1994	*not sampled*			*not sampled*			ND	380	UJ
	CAN127-2713-0035	33 to 35	0397380008SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	380	U
	CAN127-2713-0040	38 to 40	0397380009RA	12/9/1994	*not sampled*			*not sampled*			ND	370	UJ
	CAN127-2713-0040	38 to 40	0397380009SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2713-0050	48 to 50	0397380010RA	12/9/1994	*not sampled*			*not sampled*			ND	370	UJ
	CAN127-2713-0050	48 to 50	0397380010SA	12/9/1994	ND	5.7	U	ND	5.7	U	ND	370	U
	CAN127-2713-0060	58 to 60	0397380011RA	12/9/1994	*not sampled*			*not sampled*			ND	370	UJ
	CAN127-2713-0060	58 to 60	0397380011SA	12/9/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2713-2763	0 to 0.5	0397380012RA	12/9/1994	*not sampled*			*not sampled*			ND	360	UJ
	CAN127-2713-2763	0 to 0.5	0397380012SA	12/9/1994	ND	5.5	U	ND	5.5	U	ND	360	U
2714	CAN127-2714-0000	0 to 0.5	0396880006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2714-0005	3 to 5	0396880008SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-0010	8 to 10	0396880009SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-0015	13 to 15	0396880010SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-0020	18 to 20	0396880011SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2714-0025	23 to 25	0396880012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2714-0030	28 to 30	0396880013SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2714-0035	33 to 35	0396880014SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2714-0040	38 to 40	0396880015SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-0050	48 to 50	0396880016SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
	CAN127-2714-0060	58 to 60	0396880017SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	350	U
	CAN127-2714-2761	0 to 0.5	0396880007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
2715	CAN127-2715-0000	0 to 0.5	0396860001SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0005	3 to 5	0396860002SA	12/7/1994	ND	5.3	U	ND	5.3	U	ND	350	U
	CAN127-2715-0010	8 to 10	0396860003SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0015	13 to 15	0396860004SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0020	18 to 20	0396860005SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2715-0025	23 to 25	0396860006SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2715-0030	28 to 30	0396860007SA	12/7/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2715-0035	33 to 35	0396860008SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0040	38 to 40	0396860009SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0050	48 to 50	0396860010SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2715-0060	58 to 60	0397130012SA	12/7/1994	ND	5.5	U	ND	5.5	U	ND	370	U
	CAN127-2715-2762	8 to 10	0396860011SA	12/7/1994	ND	5.4	U	ND	5.4	U	ND	360	U
2716	CAN127-2716-0000	0 to 0.5	0396550007SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2716-0005	3 to 5	0396550008SA	12/6/1994	ND	5.8	U	ND	5.8	U	ND	380	U
	CAN127-2716-0010	8 to 10	0396550009SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2716-0015	13 to 15	0396550010SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2716-0020	18 to 20	0396550011SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2716-0025	23 to 25	0396550012SA	12/6/1994	ND	6.4	U	ND	6.4	U	ND	420	U
	CAN127-2716-0030	28 to 30	0396550013SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	360	U

	CAN127-2716-0035	33 to 35	0396550003SA	12/6/1994	ND	5.6	U	ND	5.6	U	ND	370	U
	CAN127-2716-0040	38 to 40	0396550004SA	12/6/1994	ND	5.4	U	ND	5.4	U	ND	350	U
	CAN127-2716-0050	48 to 50	0396550005SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	360	U
	CAN127-2716-0060	58 to 60	0396550006SA	12/6/1994	ND	5.5	U	ND	5.5	U	ND	360	U
127SB01	127SB0100	0 to 3	B141-01	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB02	127SB0200	0 to 2.5	B141-02	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB03	127SB0300	0 to 2.5	B141-03	2/13/2008	*not sampled*			*not sampled*			ND	110	U
127SB04	127SB0400	0 to 2.5	B141-04	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB05	127SB0500	0 to 3	B141-05	2/13/2008	*not sampled*			*not sampled*			ND	110	U
127SB06	127SB0600	0 to 3	B141-06	2/13/2008	*not sampled*			*not sampled*			ND	110	U
127SB07	127SB0700	0 to 3	B141-07	2/13/2008	*not sampled*			*not sampled*			ND	120	U
127SB08	127SB0800	0 to 3	B175-01	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB09	127SB0900	0 to 3	B175-02	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB10	127SB1000	0 to 3	B175-03	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB11	127SB1100	0 to 3	B175-04	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB12	127SB1200	0 to 3	B175-05	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB13	127SB1300	0 to 3	B175-06	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB13M	127SB1300M	0 to 3	B175-07	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB13D	127SB1300D	0 to 3	B175-08	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB14	127SB1400	0 to 3	B175-09	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB15	127SB1500	0 to 3	B175-10	2/14/2008	*not sampled*			*not sampled*			ND	120	U
127SB16	127SB1600	0 to 3	B175-11	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB17	127SB1700	0 to 3	B175-12	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB18	127SB1800	0 to 3	B175-13	2/14/2008	*not sampled*			*not sampled*			ND	110	U
127SB1810	127SB1810	0 to 3	B175-14	2/14/2008	*not sampled*			*not sampled*			ND	110	U

Appendix A-4
ProUCL Output for Trichloroethylene in Soil Vapor (5 and 10 ft bgs), SWMU 127, Cannon AFB

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	9/24/2014 2:12:05 PM
From File	Apdx A-4 ProUCL input and output for TCE in soil vapor (5 and 10 ft bgs).xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Trichloroethene (ug/m^3) (5 ft, West Area)

General Statistics

Total Number of Observations	10	Number of Distinct Observations	10
		Number of Missing Observations	0
Minimum	0.72	Mean	89.1
Maximum	280	Median	46
SD	102.4	Std. Error of Mean	32.37
Coefficient of Variation	1.149	Skewness	1.09

Normal GOF Test

Shapiro Wilk Test Statistic	0.824	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.842	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.228	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.28	Data appear Normal at 5% Significance Level

Data appear Approximate Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	148.4	95% Adjusted-CLT UCL (Chen-1995)	154.3
		95% Modified-t UCL (Johnson-1978)	150.3

Gamma GOF Test

A-D Test Statistic	0.208	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.77	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.141	**Kolmogrov-Smirnoff Gamma GOF Test**
5% K-S Critical Value	0.279	Detected data appear Gamma Distributed at 5% Significance Level

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.588	k star (bias corrected MLE)	0.478
Theta hat (MLE)	151.5	Theta star (bias corrected MLE)	186.3
nu hat (MLE)	11.76	nu star (bias corrected)	9.566
MLE Mean (bias corrected)	89.1	MLE Sd (bias corrected)	128.8
		Approximate Chi Square Value (0.05)	3.672
Adjusted Level of Significance	0.0267	Adjusted Chi Square Value	3.065

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	232.1	95% Adjusted Gamma UCL (use when n<50)	278.1

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.928	**Shapiro Wilk Lognormal GOF Test**
5% Shapiro Wilk Critical Value	0.842	Data appear Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.163	**Lilliefors Lognormal GOF Test**
5% Lilliefors Critical Value	0.28	Data appear Lognormal at 5% Significance Level

Data appear Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	-0.329	Mean of logged Data	3.436
Maximum of Logged Data	5.635	SD of logged Data	1.937

Assuming Lognormal Distribution

95% H-UCL	5994	90% Chebyshev (MVUE) UCL	400.5
95% Chebyshev (MVUE) UCL	519.4	97.5% Chebyshev (MVUE) UCL	684.3
99% Chebyshev (MVUE) UCL	1008		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	142.3	95% Jackknife UCL	148.4
95% Standard Bootstrap UCL	138	95% Bootstrap-t UCL	182.7
95% Hall's Bootstrap UCL	155.8	95% Percentile Bootstrap UCL	141.4
95% BCA Bootstrap UCL	157.2		
90% Chebyshev(Mean, Sd) UCL	186.2	95% Chebyshev(Mean, Sd) UCL	230.2
97.5% Chebyshev(Mean, Sd) UCL	291.2	99% Chebyshev(Mean, Sd) UCL	411.1

Suggested UCL to Use

95% Student's-t UCL	148.4

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, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

Trichloroethene (ug/m^3) (10 ft, West Area)

General Statistics

Total Number of Observations	10	Number of Distinct Observations	10
		Number of Missing Observations	0
Minimum	1.6	Mean	334.4
Maximum	920	Median	350
SD	287.7	Std. Error of Mean	90.99
Coefficient of Variation	0.861	Skewness	0.595

Normal GOF Test

Shapiro Wilk Test Statistic	0.903	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.842	Data appear Normal at 5% Significance Level
Lilliefors Test Statistic	0.175	**Lilliefors GOF Test**

5% Lilliefors Critical Value	0.28	Data appear Normal at 5% Significance Level	

Data appear Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	501.2	95% Adjusted-CLT UCL (Chen-1995)	502.3
		95% Modified-t UCL (Johnson-1978)	504

Gamma GOF Test

A-D Test Statistic	1.223	**Anderson-Darling Gamma GOF Test**	
5% A-D Critical Value	0.78	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.352	**Kolmogrov-Smirnoff Gamma GOF Test**	
5% K-S Critical Value	0.281	Data Not Gamma Distributed at 5% Significance Level	

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.484	k star (bias corrected MLE)	0.405
Theta hat (MLE)	690.9	Theta star (bias corrected MLE)	824.7
nu hat (MLE)	9.679	nu star (bias corrected)	8.109
MLE Mean (bias corrected)	334.4	MLE Sd (bias corrected)	525.1
		Approximate Chi Square Value (0.05)	2.798
Adjusted Level of Significance	0.0267	Adjusted Chi Square Value	2.285

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	969	95% Adjusted Gamma UCL (use when n<50)	1186

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.719	**Shapiro Wilk Lognormal GOF Test**	
5% Shapiro Wilk Critical Value	0.842	Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.374	**Lilliefors Lognormal GOF Test**	
5% Lilliefors Critical Value	0.28	Data Not Lognormal at 5% Significance Level	

Data Not Lognormal at 5% Significance Level

Lognormal Statistics

Minimum of Logged Data	0.47	Mean of logged Data	4.493
Maximum of Logged Data	6.824	SD of logged Data	2.608

Assuming Lognormal Distribution

95% H-UCL	1069917	90% Chebyshev (MVUE) UCL	3722
95% Chebyshev (MVUE) UCL	4907	97.5% Chebyshev (MVUE) UCL	6552
99% Chebyshev (MVUE) UCL	9783		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution at 5% Significance Level

Nonparametric Distribution Free UCLs

95% CLT UCL	484	95% Jackknife UCL	501.2
95% Standard Bootstrap UCL	475.3	95% Bootstrap-t UCL	512.4
95% Hall's Bootstrap UCL	543.4	95% Percentile Bootstrap UCL	481
95% BCA Bootstrap UCL	481.7		

90% Chebyshev(Mean, Sd) UCL	607.3	95% Chebyshev(Mean, Sd) UCL	731
97.5% Chebyshev(Mean, Sd) UCL	902.6	99% Chebyshev(Mean, Sd) UCL	1240

Suggested UCL to Use

95% Student's-t UCL	501.2

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, Singh, and Iaci (2002)
and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.
For additional insight the user may want to consult a statistician.

Trichloroethene (ug/m^3) (5 ft, East Area)

General Statistics

Total Number of Observations	1	Number of Distinct Observations	1
		Number of Missing Observations	0
Minimum	120	Mean	120
Maximum	120	Median	120

Warning: This data set only has 1 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Trichloroethene (ug/m^3) (5 ft, East Area) was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Trichloroethene (ug/m^3) (10 ft, East Area)

General Statistics

Total Number of Observations	1	Number of Distinct Observations	1
		Number of Missing Observations	0
Minimum	180	Mean	180
Maximum	180	Median	180

Warning: This data set only has 1 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Trichloroethene (ug/m^3) (10 ft, East Area) was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Max of sample and sample dup used.
SV01 in from separate subsite area (to east), while other 10 results are from future residential house "footprint" at former soil VOC hot spot (to west).

Sample ID (a)	Trichloroethene (ug/m^3) (5 ft, West Area)	d_Trichloroethene (ug/m^3) (5 ft, West Area)	Sample ID (b)	Trichloroethene (ug/m^3) (10 ft, West Area)	d_Trichloroethene (ug/m^3) (10 ft, West Area)	Sample ID (c)	Trichloroethene (ug/m^3) (5 ft, East Area)	d_Trichloroethene (ug/m^3) (5 ft, East Area)	Sample ID (d)	Trichloroethene (ug/m^3) (10 ft, East Area)	d_Trichloroethene (ug/m^3) (10 ft, East Area)
127-SV02-05	160	1	127-SV02-10	290	1	127-SV01-05	120	1	127-SV01-10	180	1
127-SV03-05	26	1	127-SV03-10	310	1						
127-SV04-05	60	1	127-SV04-10	537	1						
127-SV05-05	**280**	1	127-SV05-10	**920**	1						
127-SV06-05	0.72	1	127-SV06-10	450	1						
127-SV07-05	5.6	1	127-SV07-10	1.6	1						
127-SV08-05	4.71	1	127-SV08-10	3.3	1						
127-SV09-05	32	1	127-SV09-10	390	1						
127-SV10-05	82	1	127-SV10-10	440	1						
127-SV11-05	240	1	127-SV11-10	1.8	1						

SG-ADV
Version 2.0; 02/03

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
78875	1.10E+00			1,2-Dichloropropane
78933	5.20E+01			Methylethylketone (2-butanone)
108101	6.10E+00			Methylisobutylketone (4-methyl-2-pentanone)
67641	4.20E+02			Acetone
71432	3.90E+00			Benzene
75252	7.40E-01			Bromoform
75150	7.60E+01			Carbon disulfide
56235	7.60E-01			Carbon tetrachloride
75003	1.00E+00			Chloroethane (ethyl chloride)
67663	7.80E-01			Chloroform
74873	1.60E+00			Methyl chloride (chloromethane)
156592	2.30E+00			cis-1,2-Dichloroethylene
100414	6.70E+00			Ethylbenzene
95476	3.50E+01			o-Xylene
75092	5.10E+00			Methylene chloride
100425	3.40E+00			Styrene
127184	2.90E+01			Tetrachloroethylene
108883	3.80E+01			Toluene
79016	2.80E+02			Trichloroethylene
108054	5.80E+01			Vinyl acetate

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	#N/A Soil gas sampling depth below grade, L_s (cm)	#N/A Average soil temperature, T_S (°C)	#N/A Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	152.4			S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.66	0.422	0.155		1.5	0.403	0.31		1.5	0.375	0.054

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.5	5

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)
70	30	30	350

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 a the normal boiling point $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Molecular weight, MW (g/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Compound
7.82E-02	8.73E-06	2.79E-03	25	7,590	369.52	572.00	112.99	1.0E-05	4.0E-03	1,2-Dichloropropane
8.08E-02	9.80E-06	5.58E-05	25	7,481	352.50	536.78	72.11	0.0E+00	5.0E+00	Methylethylketone (2-butanone)
7.50E-02	7.80E-06	1.38E-04	25	8,243	389.50	571.00	100.16	0.0E+00	3.0E+00	Methylisobutylketone (4-methyl-2-pentanone)
1.24E-01	1.14E-05	3.87E-05	25	6,955	329.20	508.10	58.08	0.0E+00	3.1E+01	Acetone
8.80E-02	9.80E-06	5.54E-03	25	7,342	353.24	562.16	78.11	7.8E-06	3.0E-02	Benzene
1.49E-02	1.03E-05	5.88E-04	25	9,479	422.35	696.00	252.75	1.1E-06	0.0E+00	Bromoform
1.04E-01	1.00E-05	3.02E-02	25	6,391	319.00	552.00	76.13	0.0E+00	7.0E-01	Carbon disulfide
7.80E-02	8.80E-06	3.03E-02	25	7,127	349.90	556.60	153.82	6.0E-06	1.0E-01	Carbon tetrachloride
2.71E-01	1.15E-05	8.80E-03	25	5,879	285.30	460.40	64.51	0.0E+00	1.0E+01	Chloroethane (ethyl chloride)
1.04E-01	1.00E-05	3.66E-03	25	6,988	334.32	536.40	119.38	2.3E-05	9.8E-02	Chloroform
1.26E-01	6.50E-06	8.80E-03	25	5,115	249.00	416.25	50.49	0.0E+00	9.0E-02	Methyl chloride (chloromethane)
7.36E-02	1.13E-05	4.07E-03	25	7,192	333.65	544.00	96.94	0.0E+00	0.0E+00	cis-1,2-Dichloroethylene
7.50E-02	7.80E-06	7.86E-03	25	8,501	409.34	617.20	106.17	2.5E-06	1.0E+00	Ethylbenzene
8.70E-02	1.00E-05	5.18E-03	25	8,661	417.60	630.30	106.17	0.0E+00	2.0E-01	o-Xylene
1.01E-01	1.17E-05	2.18E-03	25	6,706	313.00	510.00	84.93	1.0E-08	6.0E-01	Methylene chloride
7.10E-02	8.00E-06	2.74E-03	25	8,737	418.31	636.00	104.15	0.0E+00	1.0E+00	Styrene
7.20E-02	8.20E-06	1.84E-02	25	8,288	394.40	620.20	165.83	2.6E-07	4.0E-02	Tetrachloroethylene
8.70E-02	8.60E-06	6.62E-03	25	7,930	383.78	591.79	92.14	0.0E+00	5.0E+00	Toluene
7.90E-02	9.10E-06	1.03E-02	25	7,505	360.36	544.20	131.39	4.1E-06	2.0E-03	Trichloroethylene
8.50E-02	9.20E-06	5.10E-04	25	7,800	345.65	519.13	86.09	0.0E+00	2.0E-01	Vinyl acetate

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.267	0.093	0.321	0.276	1.02E-07	0.677	6.89E-08	4,000	1.10E+00	3.39E+04
										5.20E+01	
										6.10E+00	
										4.20E+02	
										3.90E+00	
										7.40E-01	
										7.60E+01	
										7.60E-01	
										1.00E+00	
										7.80E-01	
										1.60E+00	
										2.30E+00	
										6.70E+00	
										3.50E+01	
										5.10E+00	
										3.40E+00	
										2.90E+01	
										3.80E+01	
										2.80E+02	
										5.80E+01	

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)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	8,478	2.66E-03	1.09E-01	1.80E-04	5.41E-03	0.00E+00	0.00E+00	5.41E-03	137.4
			8,244	5.32E-05	2.18E-03	1.80E-04	5.64E-03	0.00E+00	0.00E+00	5.64E-03	
			9,673	1.30E-04	5.34E-03	1.80E-04	5.20E-03	0.00E+00	0.00E+00	5.20E-03	
			7,384	3.71E-05	1.52E-03	1.80E-04	8.66E-03	0.00E+00	0.00E+00	8.66E-03	
			7,977	5.29E-03	2.17E-01	1.80E-04	6.08E-03	0.00E+00	0.00E+00	6.08E-03	
			10,746	5.53E-04	2.27E-02	1.80E-04	1.04E-03	0.00E+00	0.00E+00	1.04E-03	
			6,572	2.91E-02	1.19E+00	1.80E-04	7.19E-03	0.00E+00	0.00E+00	7.19E-03	
			7,716	2.90E-02	1.19E+00	1.80E-04	5.39E-03	0.00E+00	0.00E+00	5.39E-03	
			5,740	8.52E-03	3.49E-01	1.80E-04	1.87E-02	0.00E+00	0.00E+00	1.87E-02	
			7,407	3.51E-03	1.44E-01	1.80E-04	7.19E-03	0.00E+00	0.00E+00	7.19E-03	
			4,578	8.57E-03	3.52E-01	1.80E-04	8.71E-03	0.00E+00	0.00E+00	8.71E-03	
			7,592	3.90E-03	1.60E-01	1.80E-04	5.09E-03	0.00E+00	0.00E+00	5.09E-03	
			9,994	7.43E-03	3.05E-01	1.80E-04	5.18E-03	0.00E+00	0.00E+00	5.18E-03	
			10,245	4.88E-03	2.00E-01	1.80E-04	6.01E-03	0.00E+00	0.00E+00	6.01E-03	
			6,884	2.10E-03	8.62E-02	1.80E-04	6.98E-03	0.00E+00	0.00E+00	6.98E-03	
			10,294	2.59E-03	1.06E-01	1.80E-04	4.91E-03	0.00E+00	0.00E+00	4.91E-03	
			9,410	1.74E-02	7.14E-01	1.80E-04	4.98E-03	0.00E+00	0.00E+00	4.98E-03	
			9,001	6.29E-03	2.58E-01	1.80E-04	6.01E-03	0.00E+00	0.00E+00	6.01E-03	
			8,382	9.80E-03	4.02E-01	1.80E-04	5.46E-03	0.00E+00	0.00E+00	5.46E-03	
			8,559	4.86E-04	1.99E-02	1.80E-04	5.88E-03	0.00E+00	0.00E+00	5.88E-03	

INTERMEDIATE CALCULATIONS SHEET

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	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., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Compound	
15	1.10E+00	1.33	8.33E+01	5.41E-03	5.30E+03	4.26E+12	8.20E-04	9.02E-04	1.0E-05	4.0E-03	1,2-Dichloropropane	8.20E-04
	5.20E+01			5.64E-03		1.30E+12	8.43E-04	4.38E-02	NA	5.0E+00	Methylethylketone (2-butanone	8.43E-04
	6.10E+00			5.20E-03		1.35E+13	7.99E-04	4.88E-03	NA	3.0E+00	Methylisobutylketone (4-methy	7.99E-04
	4.20E+02			8.66E-03		7.73E+07	1.09E-03	4.59E-01	NA	3.1E+01	Acetone	1.09E-03
	3.90E+00			6.08E-03		1.68E+11	8.86E-04	3.46E-03	7.8E-06	3.0E-02	Benzene	8.86E-04
	7.40E-01			1.04E-03		9.26E+65	2.15E-04	1.59E-04	1.1E-06	NA	Bromoform	2.15E-04
	7.60E+01			7.19E-03		3.15E+09	9.83E-04	7.47E-02	NA	7.0E-01	Carbon disulfide	9.83E-04
	7.60E-01			5.39E-03		4.61E+12	8.19E-04	6.22E-04	6.0E-06	1.0E-01	Carbon tetrachloride	8.19E-04
	1.00E+00			1.87E-02		4.42E+03	1.56E-03	1.56E-03	NA	1.0E+01	Chloroethane (ethyl chloride)	1.56E-03
	7.80E-01			7.19E-03		3.14E+09	9.83E-04	7.67E-04	2.3E-05	9.8E-02	Chloroform	9.83E-04
	1.60E+00			8.71E-03		6.91E+07	1.10E-03	1.76E-03	NA	9.0E-02	Methyl chloride (chloromethan	1.10E-03
	2.30E+00			5.09E-03		2.62E+13	7.87E-04	1.81E-03	NA	NA	cis-1,2-Dichloroethylene	7.87E-04
	6.70E+00			5.18E-03		1.48E+13	7.98E-04	5.34E-03	2.5E-06	1.0E+00	Ethylbenzene	7.98E-04
	3.50E+01			6.01E-03		2.25E+11	8.80E-04	3.08E-02	NA	2.0E-01	o-Xylene	8.80E-04
	5.10E+00			6.98E-03		6.00E+09	9.66E-04	4.92E-03	1.0E-08	6.0E-01	Methylene chloride	9.66E-04
	3.40E+00			4.91E-03		8.13E+13	7.68E-04	2.61E-03	NA	1.0E+00	Styrene	7.68E-04
	2.90E+01			4.98E-03		5.24E+13	7.76E-04	2.25E-02	2.6E-07	4.0E-02	Tetrachloroethylene	7.76E-04
	3.80E+01			6.01E-03		2.26E+11	8.79E-04	3.34E-02	NA	5.0E+00	Toluene	8.79E-04
	2.80E+02			5.46E-03		3.19E+12	8.26E-04	2.31E-01	4.1E-06	2.0E-03	Trichloroethylene	8.26E-04
	5.80E+01			5.88E-03		4.08E+11	8.67E-04	5.03E-02	NA	2.0E-01	Vinyl acetate	8.67E-04

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

	Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)	Compound
	3.7E-09	2.2E-04	1,2-Dichloropropane
	NA	8.4E-06	Methylethylketone (2-butanone)
	NA	1.6E-06	Methylisobutylketone (4-methyl-2-pentanone)
	NA	1.4E-05	Acetone
	1.1E-08	1.1E-04	Benzene
	7.2E-11	NA	Bromoform
	NA	1.0E-04	Carbon disulfide
	1.5E-09	6.0E-06	Carbon tetrachloride
	NA	1.5E-07	Chloroethane (ethyl chloride)
	7.2E-09	7.5E-06	Chloroform
	NA	1.9E-05	Methyl chloride (chloromethane)
	NA	NA	cis-1,2-Dichloroethylene
	5.5E-09	5.1E-06	Ethylbenzene
	NA	1.5E-04	o-Xylene
	2.0E-11	7.9E-06	Methylene chloride
	NA	2.5E-06	Styrene
	2.4E-09	5.4E-04	Tetrachloroethylene
	NA	6.4E-06	Toluene
	3.9E-07	1.1E-01	Trichloroethylene
	NA	2.4E-04	Vinyl acetate
Sum	**4.2E-07**	**0.11**	

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

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

												CalEPA Toxicity Criteria in bold (last updated 1/21/05 DTSC/HERD)					Original EPA Values				CalEPA / USEPA Potency Ratio
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 ($atm\text{-}m^3/mol$)	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)	Molecular weight, MW (g/mol)	URF extrapolated (X)	RfC extrapolated (X)	Unit risk factor, URF ($\mu g/m^3$)$^{-1}$	Reference conc., RfC (mg/m^3)	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	**6.0E-06**	**1.0E-01**	1.54E+02			1.5E-05	0.0E+00			**0.40**
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	**3.4E-04**	7.0E-04	4.10E+02			1.0E-04	7.0E-04			**3.40**
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	**3.1E-04**	1.1E-03	2.91E+02	?	X	3.7E-04	1.1E-03	X	X	**0.84**
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	7.41E+01		X	0.0E+00	7.0E-01		X	NC
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	3.81E+02		X	4.6E-03	1.8E-04		X	**1.00**
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	3.1E+01	5.81E+01		X	0.0E+00	3.5E-01		X	NC
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**	**9.8E-02**	1.19E+02			2.3E-05	0.0E+00			**1.00**
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	**1.1E-05**	3.5E-03	2.37E+02		X	4.0E-06	3.5E-03		X	**2.75**
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	7.81E+01			7.8E-06	0.0E+00			**1.00**
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	**1.0E+00**	1.33E+02			0.0E+00	2.2E+00			NC
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	3.46E+02		X	0.0E+00	1.8E-02		X	NC
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	3.18E+02	?		9.7E-05	0.0E+00	X		**1.00**
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**	9.49E+01			0.0E+00	5.0E-03			NC
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	0.0E+00	9.0E-02	5.05E+01			1.0E-06	9.0E-02			0.00
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	2.70E+01			0.0E+00	3.0E-03			NC
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	1.74E+02		X	0.0E+00	3.5E-02		X	NC
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	0.0E+00	1.0E+01	6.45E+01	X		8.3E-07	1.0E+01	X		0.00
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	**7.8E-05**	1.0E-01	6.25E+01			8.8E-06	1.0E-01			**8.86**
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	4.11E+01			0.0E+00	6.0E-02			NC
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	**2.7E-06**	**9.0E-03**	4.41E+01			2.2E-06	9.0E-03			**1.23**
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	**1.0E-08**	**6.0E-01**	8.49E+01			4.7E-07	3.0E+00			**0.02**
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	7.61E+01			0.0E+00	7.0E-01			NC
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	**8.8E-05**	**3.0E-02**	4.41E+01			1.0E-04	0.0E+00			**0.88**
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	0.0E+00	2.53E+02		X	1.1E-06	7.0E-02		X	1.00
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	**3.7E-05**	7.0E-02	1.64E+02	?	X	1.8E-05	7.0E-02	X	X	**2.09**
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	7.85E+01			0.0E+00	1.0E-01			NC
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	**1.6E-06**	5.0E-01	9.90E+01			0.0E+00	5.0E-01			**CalEPA only**
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	**7.0E-02**	9.69E+01			0.0E+00	2.0E-01			NC
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	8.65E+01			0.0E+00	5.0E+01			NC
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	1.37E+02			0.0E+00	7.0E-01			NC
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	1.21E+02			0.0E+00	2.0E-01			NC
76131	1,1,2-Trichloro-1,2,2-trifluoroethan	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	1.87E+02			0.0E+00	3.0E+01			NC
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	**1.6E-03**	1.8E-03	3.73E+02		X	1.3E-03	1.8E-03		X	**1.23**
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	2.73E+02			0.0E+00	2.0E-04			NC
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	7.41E+01		X	0.0E+00	1.1E+00		X	NC
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	**1.0E-05**	4.0E-03	1.13E+02	?		1.9E-05	4.0E-03	X		**0.52**
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	7.21E+01			0.0E+00	1.0E+00			NC
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	1.33E+02		X	1.6E-05	1.4E-02		X	**1.00**
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	**4.1E-06**	**2.0E-03**	1.31E+02	?		1.1E-04	4.0E-02	X		**0.04**
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	7.41E+01		X	0.0E+00	3.5E+00		X	NC
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	1.68E+02		X	5.8E-05	2.1E-01		X	**1.00**
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	8.91E+01			2.7E-03	2.0E-02			1.00
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	1.00E+02			0.0E+00	7.0E-01			NC
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	1.54E+02		X	0.0E+00	2.1E-01		X	NC
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	1.66E+02		X	0.0E+00	1.4E-01		X	NC
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	2.61E+02		X	2.2E-05	7.0E-04		X	1.00
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	1.37E+02		X	0.0E+00	3.5E-02		X	NC
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	**3.4E-05**	3.0E-03	1.28E+02			0.0E+00	3.0E-03			NC
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	1.42E+02		X	0.0E+00	7.0E-02		X	NC
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	1.54E+02		X	0.0E+00	1.8E-01		X	NC
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	2.0E-01	1.06E+02		?	0.0E+00	1.0E-01			NC
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	1.47E+02			0.0E+00	2.0E-01			NC
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	1.29E+02		X	0.0E+00	1.8E-02		X	NC
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	1.20E+02			0.0E+00	6.0E-03			NC
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	1.47E+02	X		5.7E-04	4.9E-03	X		1.00
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	8.61E+01		X	0.0E+00	1.1E-01		X	NC
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	1.14E+02		X	0.0E+00	3.2E-01		X	NC
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	1.34E+02		X	0.0E+00	1.4E-01		X	NC
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.16E+00	25	425.56	631.10	10,335	0.0E+00	4.0E-01	1.20E+02			0.0E+00	4.0E-01			NC
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	1.20E+02		X	0.0E+00	3.5E-01		X	NC
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	1.23E+02			0.0E+00	2.0E-03			NC
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	1.06E+02			0.0E+00	1.0E+00			NC
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**	1.04E+02			0.0E+00	1.0E+00			NC
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	1.27E+02	?		4.9E-05	0.0E+00	X		**1.00**
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	1.06E+02		X	0.0E+00	3.5E-01		X	NC
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	1.20E+02		X	0.0E+00	1.4E-01		X	NC
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	1.34E+02		X	0.0E+00	1.4E-01		X	NC
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	1.06E+02		?	0.0E+00	1.0E-01			NC
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	**1.1E-05**	**8.0E-01**	1.47E+02			0.0E+00	8.0E-01			**CalEPA only**
106934	1,2-Dibromoethane (ethylene dibro	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	**7.1E-05**	**8.0E-04**	1.88E+02			6.0E-04	9.0E-03			**0.12**
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	**1.7E-04**	2.0E-03	5.41E+01			3.0E-05	0.0E+00			**5.67**
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	5.61E+01			0.0E+00	2.0E-05			NC
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	**2.1E-05**	**4.0E-01**	9.90E+01			2.6E-05	0.0E+00			**0.81**
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	**2.9E-04**	2.0E-03	5.31E+01			6.8E-05	2.0E-03			**4.26**
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**	8.61E+01			0.0E+00	2.0E-01			NC
108101	Methylisobutylketone (4-methyl-2-p	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	1.00E+02			0.0E+00	8.0E-02			NC
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	1.06E+02		?	0.0E+00	1.0E-01			NC
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	1.20E+02			0.0E+00	6.0E-03			NC
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	9.82E+01			0.0E+00	3.0E+00			NC
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**	9.21E+01			0.0E+00	4.0E-01			NC
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	**1.0E+00**	1.13E+02			0.0E+00	6.0E-02			NC
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	9.26E+01		X	0.0E+00	1.4E+00		X	NC
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	6.81E+01		X	0.0E+00	3.5E-03		X	NC
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	8.62E+01			0.0E+00	2.0E-01			NC
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	**7.1E-04**	0.0E+00	1.43E+02			3.3E-04	0.0E+00			**2.15**
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	4.07E+02		X	0.0E+00	2.1E-02		X	NC
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	**5.1E-04**	2.8E-03	2.85E+02		X	4.6E-04	2.8E-03		X	**1.11**
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	2.0E-01	1.81E+02			0.0E+00	2.0E-01			NC
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	7.01E+01	X		5.4E-04	0.0E+00	X		1.00
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	**2.7E-05**	7.0E-02	2.08E+02	?	X	2.4E-05	7.0E-02	X	X	**1.13**
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	6.71E+01			0.0E+00	7.0E-04			NC
126998	2-Chloro-1,3-butadiene (chloropre	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	8.85E+01			0.0E+00	7.0E-03			NC
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**	1.66E+02			3.0E-06	0.0E+00			**0.09**
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	2.02E+02		X	0.0E+00	1.1E-01		X	NC
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	1.68E+02		X	0.0E+00	1.4E-02		X	NC
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	1.34E+02		X	0.0E+00	1.4E-01		X	NC
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	8.81E+01		X	0.0E+00	3.2E+00		X	NC
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	0.0E+00	9.69E+01		X	0.0E+00	3.5E-02		X	NC
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	9.69E+01		X	0.0E+00	7.0E-02		X	NC
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	**1.1E-04**	0.0E+00	2.52E+02	?		2.1E-04	0.0E+00	X		**0.53**
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	**1.1E-05**	0.0E+00	2.28E+02	?		2.1E-06	0.0E+00	X		**5.26**
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	3.65E+02		X	4.9E-03	1.1E-04		X	**1.00**
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	**7.7E-04**	0.0E+00	2.91E+02			1.8E-03	0.0E+00			**0.43**
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	1.47E+02		X	0.0E+00	1.1E-01		X	NC
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	**1.6E-05**	2.0E-02	1.11E+02			4.0E-06	2.0E-02			**4.00**
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	1.68E+02		X	7.4E-06	1.1E-01		X	1.00
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	**2.6E-07**	3.0E+00	8.82E+01			0.0E+00	3.0E+00			**CalEPA only**
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	**9.0E-05**	2.01E+02			0.0E+00	3.0E-04			NC

SG-ADV
Version 2.0; 02/03

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
78875	1.00E+00			1,2-Dichloropropane
78933	7.30E+01			Methylethylketone (2-butanone)
108101	3.40E+00			Methylisobutylketone (4-methyl-2-pentanone)
67641	3.60E+02			Acetone
71432	6.70E+00			Benzene
75252	3.10E+00			Bromoform
75150	3.10E+00			Carbon disulfide
56235	7.40E-01			Carbon tetrachloride
75003	3.10E+00			Chloroethane (ethyl chloride)
67663	3.50E+00			Chloroform
74873	8.70E-01			Methyl chloride (chloromethane)
156592	3.80E+00			cis-1,2-Dichloroethylene
100414	6.60E+00			Ethylbenzene
95476	3.30E+01			o-Xylene
75092	4.40E+00			Methylene chloride
100425	2.70E+00			Styrene
127184	3.40E+01			Tetrachloroethylene
108883	3.40E+01			Toluene
79016	9.20E+02			Trichloroethylene
108054	3.30E+01			Vinyl acetate

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	#N/A Soil gas sampling depth below grade, L_s (cm)	#N/A Average soil temperature, T_S (°C)	#N/A Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	304.8	24	304.8			S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.66	0.422	0.155		1.5	0.403	0.31		1.5	0.375	0.054

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.5	5

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)
70	30	30	350

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 a the normal boiling point $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Molecular weight, MW (g/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Compound
7.82E-02	8.73E-06	2.79E-03	25	7,590	369.52	572.00	112.99	1.0E-05	4.0E-03	1,2-Dichloropropane
8.08E-02	9.80E-06	5.58E-05	25	7,481	352.50	536.78	72.11	0.0E+00	5.0E+00	Methylethylketone (2-butanone)
7.50E-02	7.80E-06	1.38E-04	25	8,243	389.50	571.00	100.16	0.0E+00	3.0E+00	Methylisobutylketone (4-methyl-2-pentanone)
1.24E-01	1.14E-05	3.87E-05	25	6,955	329.20	508.10	58.08	0.0E+00	3.1E+01	Acetone
8.80E-02	9.80E-06	5.54E-03	25	7,342	353.24	562.16	78.11	7.8E-06	3.0E-02	Benzene
1.49E-02	1.03E-05	5.88E-04	25	9,479	422.35	696.00	252.75	1.1E-06	0.0E+00	Bromoform
1.04E-01	1.00E-05	3.02E-02	25	6,391	319.00	552.00	76.13	0.0E+00	7.0E-01	Carbon disulfide
7.80E-02	8.80E-06	3.03E-02	25	7,127	349.90	556.60	153.82	6.0E-06	1.0E-01	Carbon tetrachloride
2.71E-01	1.15E-05	8.80E-03	25	5,879	285.30	460.40	64.51	0.0E+00	1.0E+01	Chloroethane (ethyl chloride)
1.04E-01	1.00E-05	3.66E-03	25	6,988	334.32	536.40	119.38	2.3E-05	9.8E-02	Chloroform
1.26E-01	6.50E-06	8.80E-03	25	5,115	249.00	416.25	50.49	0.0E+00	9.0E-02	Methyl chloride (chloromethane)
7.36E-02	1.13E-05	4.07E-03	25	7,192	333.65	544.00	96.94	0.0E+00	0.0E+00	cis-1,2-Dichloroethylene
7.50E-02	7.80E-06	7.86E-03	25	8,501	409.34	617.20	106.17	2.5E-06	1.0E+00	Ethylbenzene
8.70E-02	1.00E-05	5.18E-03	25	8,661	417.60	630.30	106.17	0.0E+00	2.0E-01	o-Xylene
1.01E-01	1.17E-05	2.18E-03	25	6,706	313.00	510.00	84.93	1.0E-08	6.0E-01	Methylene chloride
7.10E-02	8.00E-06	2.74E-03	25	8,737	418.31	636.00	104.15	0.0E+00	1.0E+00	Styrene
7.20E-02	8.20E-06	1.84E-02	25	8,288	394.40	620.20	165.83	2.6E-07	4.0E-02	Tetrachloroethylene
8.70E-02	8.60E-06	6.62E-03	25	7,930	383.78	591.79	92.14	0.0E+00	5.0E+00	Toluene
7.90E-02	9.10E-06	1.03E-02	25	7,505	360.36	544.20	131.39	4.1E-06	2.0E-03	Trichloroethylene
8.50E-02	9.20E-06	5.10E-04	25	7,800	345.65	519.13	86.09	0.0E+00	2.0E-01	Vinyl acetate

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	289.8	0.267	0.093	0.321	0.276	1.02E-07	0.677	6.89E-08	4,000	1.00E+00	3.39E+04
										7.30E+01	
										3.40E+00	
										3.60E+02	
										6.70E+00	
										3.10E+00	
										3.10E+00	
										7.40E-01	
										3.10E+00	
										3.50E+00	
										8.70E-01	
										3.80E+00	
										6.60E+00	
										3.30E+01	
										4.40E+00	
										2.70E+00	
										3.40E+01	
										3.40E+01	
										9.20E+02	
										3.30E+01	

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)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	8,478	2.66E-03	1.09E-01	1.80E-04	5.41E-03	0.00E+00	0.00E+00	5.41E-03	289.8
			8,244	5.32E-05	2.18E-03	1.80E-04	5.64E-03	0.00E+00	0.00E+00	5.64E-03	
			9,673	1.30E-04	5.34E-03	1.80E-04	5.20E-03	0.00E+00	0.00E+00	5.20E-03	
			7,384	3.71E-05	1.52E-03	1.80E-04	8.66E-03	0.00E+00	0.00E+00	8.66E-03	
			7,977	5.29E-03	2.17E-01	1.80E-04	6.08E-03	0.00E+00	0.00E+00	6.08E-03	
			10,746	5.53E-04	2.27E-02	1.80E-04	1.04E-03	0.00E+00	0.00E+00	1.04E-03	
			6,572	2.91E-02	1.19E+00	1.80E-04	7.19E-03	0.00E+00	0.00E+00	7.19E-03	
			7,716	2.90E-02	1.19E+00	1.80E-04	5.39E-03	0.00E+00	0.00E+00	5.39E-03	
			5,740	8.52E-03	3.49E-01	1.80E-04	1.87E-02	0.00E+00	0.00E+00	1.87E-02	
			7,407	3.51E-03	1.44E-01	1.80E-04	7.19E-03	0.00E+00	0.00E+00	7.19E-03	
			4,578	8.57E-03	3.52E-01	1.80E-04	8.71E-03	0.00E+00	0.00E+00	8.71E-03	
			7,592	3.90E-03	1.60E-01	1.80E-04	5.09E-03	0.00E+00	0.00E+00	5.09E-03	
			9,994	7.43E-03	3.05E-01	1.80E-04	5.18E-03	0.00E+00	0.00E+00	5.18E-03	
			10,245	4.88E-03	2.00E-01	1.80E-04	6.01E-03	0.00E+00	0.00E+00	6.01E-03	
			6,884	2.10E-03	8.62E-02	1.80E-04	6.98E-03	0.00E+00	0.00E+00	6.98E-03	
			10,294	2.59E-03	1.06E-01	1.80E-04	4.91E-03	0.00E+00	0.00E+00	4.91E-03	
			9,410	1.74E-02	7.14E-01	1.80E-04	4.98E-03	0.00E+00	0.00E+00	4.98E-03	
			9,001	6.29E-03	2.58E-01	1.80E-04	6.01E-03	0.00E+00	0.00E+00	6.01E-03	
			8,382	9.80E-03	4.02E-01	1.80E-04	5.46E-03	0.00E+00	0.00E+00	5.46E-03	
			8,559	4.86E-04	1.99E-02	1.80E-04	5.88E-03	0.00E+00	0.00E+00	5.88E-03	

INTERMEDIATE CALCULATIONS SHEET

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	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., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Compound	
15	1.00E+00	1.33	8.33E+01	5.41E-03	5.30E+03	4.26E+12	4.72E-04	4.72E-04	1.0E-05	4.0E-03	1,2-Dichloropropane	4.72E-04
	7.30E+01			5.64E-03		1.30E+12	4.88E-04	3.56E-02	NA	5.0E+00	Methylethylketone (2-butanone	4.88E-04
	3.40E+00			5.20E-03		1.35E+13	4.57E-04	1.55E-03	NA	3.0E+00	Methylisobutylketone (4-methy	4.57E-04
	3.60E+02			8.66E-03		7.73E+07	6.77E-04	2.44E-01	NA	3.1E+01	Acetone	6.77E-04
	6.70E+00			6.08E-03		1.68E+11	5.18E-04	3.47E-03	7.8E-06	3.0E-02	Benzene	5.18E-04
	3.10E+00			1.04E-03		9.26E+65	1.07E-04	3.31E-04	1.1E-06	NA	Bromoform	1.07E-04
	3.10E+00			7.19E-03		3.15E+09	5.90E-04	1.83E-03	NA	7.0E-01	Carbon disulfide	5.90E-04
	7.40E-01			5.39E-03		4.61E+12	4.71E-04	3.48E-04	6.0E-06	1.0E-01	Carbon tetrachloride	4.71E-04
	3.10E+00			1.87E-02		4.42E+03	1.11E-03	3.44E-03	NA	1.0E+01	Chloroethane (ethyl chloride)	1.11E-03
	3.50E+00			7.19E-03		3.14E+09	5.90E-04	2.06E-03	2.3E-05	9.8E-02	Chloroform	5.90E-04
	8.70E-01			8.71E-03		6.91E+07	6.80E-04	5.92E-04	NA	9.0E-02	Methyl chloride (chloromethan	6.80E-04
	3.80E+00			5.09E-03		2.62E+13	4.49E-04	1.71E-03	NA	NA	cis-1,2-Dichloroethylene	4.49E-04
	6.60E+00			5.18E-03		1.48E+13	4.56E-04	3.01E-03	2.5E-06	1.0E+00	Ethylbenzene	4.56E-04
	3.30E+01			6.01E-03		2.25E+11	5.14E-04	1.69E-02	NA	2.0E-01	o-Xylene	5.14E-04
	4.40E+00			6.98E-03		6.00E+09	5.77E-04	2.54E-03	1.0E-08	6.0E-01	Methylene chloride	5.77E-04
	2.70E+00			4.91E-03		8.13E+13	4.36E-04	1.18E-03	NA	1.0E+00	Styrene	4.36E-04
	3.40E+01			4.98E-03		5.24E+13	4.41E-04	1.50E-02	2.6E-07	4.0E-02	Tetrachloroethylene	4.41E-04
	3.40E+01			6.01E-03		2.26E+11	5.14E-04	1.75E-02	NA	5.0E+00	Toluene	5.14E-04
	9.20E+02			5.46E-03		3.19E+12	4.75E-04	4.37E-01	4.1E-06	2.0E-03	Trichloroethylene	4.75E-04
	3.30E+01			5.88E-03		4.08E+11	5.05E-04	1.66E-02	NA	2.0E-01	Vinyl acetate	5.05E-04

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

	Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)	Compound
	1.9E-09	1.1E-04	1,2-Dichloropropane
	NA	6.8E-06	Methylethylketone (2-butanone)
	NA	5.0E-07	Methylisobutylketone (4-methyl-2-pentanone)
	NA	7.5E-06	Acetone
	1.1E-08	1.1E-04	Benzene
	1.5E-10	NA	Bromoform
	NA	2.5E-06	Carbon disulfide
	8.6E-10	3.3E-06	Carbon tetrachloride
	NA	3.3E-07	Chloroethane (ethyl chloride)
	2.0E-08	2.0E-05	Chloroform
	NA	6.3E-06	Methyl chloride (chloromethane)
	NA	NA	cis-1,2-Dichloroethylene
	3.1E-09	2.9E-06	Ethylbenzene
	NA	8.1E-05	o-Xylene
	1.0E-11	4.1E-06	Methylene chloride
	NA	1.1E-06	Styrene
	1.6E-09	3.6E-04	Tetrachloroethylene
	NA	3.3E-06	Toluene
	7.4E-07	2.1E-01	Trichloroethylene
	NA	8.0E-05	Vinyl acetate
Sum	**7.8E-07**	**0.21**	

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

SCS Soil Type	[illegible]	[illegible]	N (unitless)	M (unitless)	[illegible]	[illegible]	Mean Grain Diameter (cm)	Bulk Density [illegible]	[illegible]	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 — CalEPA Toxicity Criteria in bold (last updated 1/21/05 DTSC/HERD) — Original EPA Values — CalEPA / USEPA Potency Ratio

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 ($atm\text{-}m^3/mol$)	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)	Molecular weight, MW (g/mol)	URF extrapolated (X)	RfC extrapolated (X)	Original EPA Unit risk factor, URF $(\mu g/m^3)^{-1}$	Original EPA Reference conc., RfC (mg/m^3)	URF extrapolated (X)	RfC extrapolated (X)	CalEPA / USEPA Potency Ratio
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	**6.0E-06**	**1.0E-01**	1.54E+02			1.5E-05	0.0E+00			**0.40**
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	**3.4E-04**	7.0E-04	4.10E+02			1.0E-04	7.0E-04			**3.40**
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	**3.1E-04**	1.1E-03	2.91E+02	?	X	3.7E-04	1.1E-03	X	X	**0.84**
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	7.41E+01		X	0.0E+00	7.0E-01		X	NC
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	3.81E+02		X	4.6E-03	1.8E-04		X	**1.00**
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	3.1E+01	5.81E+01		X	0.0E+00	3.5E-01		X	NC
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**	**9.8E-02**	1.19E+02			2.3E-05	0.0E+00			**1.00**
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	**1.1E-05**	3.5E-03	2.37E+02		X	4.0E-06	3.5E-03		X	**2.75**
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	7.81E+01			7.8E-06	0.0E+00			**1.00**
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	**1.0E+00**	1.33E+02			0.0E+00	2.2E+00			NC
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	3.46E+02		X	0.0E+00	1.8E-02		X	NC
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	3.18E+02	?		9.7E-05	0.0E+00	X		**1.00**
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**	9.49E+01			0.0E+00	5.0E-03			NC
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	0.0E+00	9.0E-02	5.05E+01			1.0E-06	9.0E-02			0.00
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	2.70E+01			0.0E+00	3.0E-03			NC
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	1.74E+02		X	0.0E+00	3.5E-02		X	NC
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	0.0E+00	1.0E+01	6.45E+01	X		8.3E-07	1.0E+01	X		0.00
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	**7.8E-05**	1.0E-01	6.25E+01			8.8E-06	1.0E-01			**8.86**
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	4.11E+01			0.0E+00	6.0E-02			NC
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	**2.7E-06**	**9.0E-03**	4.41E+01			2.2E-06	9.0E-03			**1.23**
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	**1.0E-08**	**6.0E-01**	8.49E+01			4.7E-07	3.0E+00			**0.02**
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	7.61E+01			0.0E+00	7.0E-01			NC
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	**8.8E-05**	**3.0E-02**	4.41E+01			1.0E-04	0.0E+00			**0.88**
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	0.0E+00	2.53E+02		X	1.1E-06	7.0E-02		X	1.00
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	**3.7E-05**	7.0E-02	1.64E+02	?	X	1.8E-05	7.0E-02	X	X	**2.09**
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	7.85E+01			0.0E+00	1.0E-01			NC
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	**1.6E-06**	5.0E-01	9.90E+01			0.0E+00	5.0E-01			**CalEPA only**
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	**7.0E-02**	9.69E+01			0.0E+00	2.0E-01			NC
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	8.65E+01			0.0E+00	5.0E+01			NC
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	1.37E+02			0.0E+00	7.0E-01			NC
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	1.21E+02			0.0E+00	2.0E-01			NC
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	1.87E+02			0.0E+00	3.0E+01			NC
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	**1.6E-03**	1.8E-03	3.73E+02		X	1.3E-03	1.8E-03		X	**1.23**
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	2.73E+02			0.0E+00	2.0E-04			NC
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	7.41E+01		X	0.0E+00	1.1E+00		X	NC
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	**1.0E-05**	4.0E-03	1.13E+02	?		1.9E-05	4.0E-03	X		**0.52**
78933	Methylethylketone (2-butanone)	2.30E+00	8.08E-02	9.80E-06	2.23E+05	2.29E-03	5.59E-05	25	352.50	536.78	7,481	0.0E+00	5.0E+00	7.21E+01			0.0E+00	1.0E+00			NC
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	1.33E+02		X	1.6E-05	1.4E-02		X	**1.00**
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	**4.1E-06**	**2.0E-03**	1.31E+02	?		1.1E-04	4.0E-02	X		**0.04**
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	7.41E+01		X	0.0E+00	3.5E+00		X	NC
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	1.68E+02		X	5.8E-05	2.1E-01		X	**1.00**
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	8.91E+01			2.7E-03	2.0E-02			1.00
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	1.00E+02			0.0E+00	7.0E-01			NC
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	1.54E+02		X	0.0E+00	2.1E-01		X	NC
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	1.66E+02		X	0.0E+00	1.4E-01		X	NC
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	2.61E+02		X	2.2E-05	7.0E-04		X	1.00
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	1.37E+02		X	0.0E+00	3.5E-02		X	NC
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	**3.4E-05**	3.0E-03	1.28E+02			0.0E+00	3.0E-03			NC
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	1.42E+02		X	0.0E+00	7.0E-02		X	NC
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	1.54E+02		X	0.0E+00	1.8E-01		X	NC
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	2.0E-01	1.06E+02		?	0.0E+00	1.0E-01			NC
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	1.47E+02			0.0E+00	2.0E-01			NC
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	1.29E+02		X	0.0E+00	1.8E-02		X	NC
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	1.20E+02			0.0E+00	6.0E-03			NC
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	1.47E+02	X		5.7E-04	4.9E-03	X		1.00
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	8.61E+01		X	0.0E+00	1.1E-01		X	NC
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	1.14E+02		X	0.0E+00	3.2E-01		X	NC
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	1.34E+02		X	0.0E+00	1.4E-01		X	NC
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.16E+00	25	425.56	631.10	10,335	0.0E+00	4.0E-01	1.20E+02			0.0E+00	4.0E-01			NC
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	1.20E+02		X	0.0E+00	3.5E-01		X	NC
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	1.23E+02			0.0E+00	2.0E-03			NC
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	1.06E+02			0.0E+00	1.0E+00			NC
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**	1.04E+02			0.0E+00	1.0E+00			NC
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	1.27E+02	?		4.9E-05	0.0E+00	X		**1.00**
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	1.06E+02		X	0.0E+00	3.5E-01		X	NC
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	1.20E+02		X	0.0E+00	1.4E-01		X	NC
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	1.34E+02		X	0.0E+00	1.4E-01		X	NC
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	1.06E+02		?	0.0E+00	1.0E-01			NC
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	**1.1E-05**	**8.0E-01**	1.47E+02			0.0E+00	8.0E-01			**CalEPA only**
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	**7.1E-05**	**8.0E-04**	1.88E+02			6.0E-04	9.0E-03			**0.12**
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	**1.7E-04**	2.0E-03	5.41E+01			3.0E-05	0.0E+00			**5.67**
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	5.61E+01			0.0E+00	2.0E-05			NC
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	**2.1E-05**	**4.0E-01**	9.90E+01			2.6E-05	0.0E+00			**0.81**
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	**2.9E-04**	2.0E-03	5.31E+01			6.8E-05	2.0E-03			**4.26**
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**	8.61E+01			0.0E+00	2.0E-01			NC
108101	Methylisobutylketone (4-methyl-	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	1.00E+02			0.0E+00	8.0E-02			NC
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	1.06E+02		?	0.0E+00	1.0E-01			NC
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	1.20E+02			0.0E+00	6.0E-03			NC
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	9.82E+01			0.0E+00	3.0E+00			NC
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**	9.21E+01			0.0E+00	4.0E-01			NC
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	**1.0E+00**	1.13E+02			0.0E+00	6.0E-02			NC
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	9.26E+01		X	0.0E+00	1.4E+00		X	NC
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	6.81E+01		X	0.0E+00	3.5E-03		X	NC
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	8.62E+01			0.0E+00	2.0E-01			NC
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	**7.1E-04**	0.0E+00	1.43E+02			3.3E-04	0.0E+00			**2.15**
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	4.07E+02		X	0.0E+00	2.1E-02		X	NC
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	**5.1E-04**	2.8E-03	2.85E+02		X	4.6E-04	2.8E-03		X	**1.11**
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	2.0E-01	1.81E+02			0.0E+00	2.0E-01			NC
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	7.01E+01	X		5.4E-04	0.0E+00	X		1.00
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	**2.7E-05**	7.0E-02	2.08E+02	?	X	2.4E-05	7.0E-02	X	X	**1.13**
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	6.71E+01			0.0E+00	7.0E-04			NC
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	8.85E+01			0.0E+00	7.0E-03			NC
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**	1.66E+02			3.0E-06	0.0E+00			**0.09**
129000	Pyrene	1.05E+05	2.72E-02	7.24E-06	1.35E-01	4.50E-04	1.10E-05	25	667.95	936	14370	0.0E+00	1.1E-01	2.02E+02		X	0.0E+00	1.1E-01		X	NC
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	1.68E+02		X	0.0E+00	1.4E-02		X	NC
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	1.34E+02		X	0.0E+00	1.4E-01		X	NC
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	8.81E+01		X	0.0E+00	3.2E+00		X	NC
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	0.0E+00	9.69E+01		X	0.0E+00	3.5E-02		X	NC
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	9.69E+01		X	0.0E+00	7.0E-02		X	NC
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	**1.1E-04**	0.0E+00	2.52E+02	?		2.1E-04	0.0E+00	X		**0.53**
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	**1.1E-05**	0.0E+00	2.28E+02	?		2.1E-06	0.0E+00	X		**5.26**
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	3.65E+02		X	4.9E-03	1.1E-04		X	**1.00**
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	**7.7E-04**	0.0E+00	2.91E+02			1.8E-03	0.0E+00			**0.43**
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	1.47E+02		X	0.0E+00	1.1E-01		X	NC
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	**1.6E-05**	2.0E-02	1.11E+02			4.0E-06	2.0E-02			**4.00**
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	1.68E+02		X	7.4E-06	1.1E-01		X	1.00
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	**2.6E-07**	3.0E+00	8.82E+01			0.0E+00	3.0E+00			**CalEPA only**
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	**9.0E-05**	2.01E+02			0.0E+00	3.0E-04			NC

SG-ADV
Version 2.0; 02/03

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
78875	1.10E+00			1,2-Dichloropropane
78933	5.20E+01			Methylethylketone (2-butanone)
108101	6.10E+00			Methylisobutylketone (4-methyl-2-pentanone)
67641	4.20E+02			Acetone
71432	3.90E+00			Benzene
75252	7.40E-01			Bromoform
75150	7.60E+01			Carbon disulfide
56235	7.60E-01			Carbon tetrachloride
75003	1.00E+00			Chloroethane (ethyl chloride)
67663	7.80E-01			Chloroform
74873	1.60E+00			Methyl chloride (chloromethane)
156592	2.30E+00			cis-1,2-Dichloroethylene
100414	6.70E+00			Ethylbenzene
95476	3.50E+01			o-Xylene
75092	5.10E+00			Methylene chloride
100425	3.40E+00			Styrene
127184	2.90E+01			Tetrachloroethylene
108883	3.80E+01			Toluene
79016	1.48E+02			Trichloroethylene
108054	5.80E+01			Vinyl acetate

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	#N/A Soil gas sampling depth below grade, L_s (cm)	#N/A Average soil temperature, T_S (°C)	#N/A Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	152.4			S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.66	0.422	0.155		1.5	0.403	0.31		1.5	0.375	0.054

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.5	5

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)
70	30	30	350

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 ($atm\text{-}m^3/mol$)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization a the normal boiling point $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Molecular weight, MW (g/mol)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Compound
7.82E-02	8.73E-06	2.79E-03	25	7,590	369.52	572.00	112.99	1.0E-05	4.0E-03	1,2-Dichloropropane
8.08E-02	9.80E-06	5.58E-05	25	7,481	352.50	536.78	72.11	0.0E+00	5.0E+00	Methylethylketone (2-butanone)
7.50E-02	7.80E-06	1.38E-04	25	8,243	389.50	571.00	100.16	0.0E+00	3.0E+00	Methylisobutylketone (4-methyl-2-pentanone)
1.24E-01	1.14E-05	3.87E-05	25	6,955	329.20	508.10	58.08	0.0E+00	3.1E+01	Acetone
8.80E-02	9.80E-06	5.54E-03	25	7,342	353.24	562.16	78.11	7.8E-06	3.0E-02	Benzene
1.49E-02	1.03E-05	5.88E-04	25	9,479	422.35	696.00	252.75	1.1E-06	0.0E+00	Bromoform
1.04E-01	1.00E-05	3.02E-02	25	6,391	319.00	552.00	76.13	0.0E+00	7.0E-01	Carbon disulfide
7.80E-02	8.80E-06	3.03E-02	25	7,127	349.90	556.60	153.82	6.0E-06	1.0E-01	Carbon tetrachloride
2.71E-01	1.15E-05	8.80E-03	25	5,879	285.30	460.40	64.51	0.0E+00	1.0E+01	Chloroethane (ethyl chloride)
1.04E-01	1.00E-05	3.66E-03	25	6,988	334.32	536.40	119.38	2.3E-05	9.8E-02	Chloroform
1.26E-01	6.50E-06	8.80E-03	25	5,115	249.00	416.25	50.49	0.0E+00	9.0E-02	Methyl chloride (chloromethane)
7.36E-02	1.13E-05	4.07E-03	25	7,192	333.65	544.00	96.94	0.0E+00	0.0E+00	cis-1,2-Dichloroethylene
7.50E-02	7.80E-06	7.86E-03	25	8,501	409.34	617.20	106.17	2.5E-06	1.0E+00	Ethylbenzene
8.70E-02	1.00E-05	5.18E-03	25	8,661	417.60	630.30	106.17	0.0E+00	2.0E-01	o-Xylene
1.01E-01	1.17E-05	2.18E-03	25	6,706	313.00	510.00	84.93	1.0E-08	6.0E-01	Methylene chloride
7.10E-02	8.00E-06	2.74E-03	25	8,737	418.31	636.00	104.15	0.0E+00	1.0E+00	Styrene
7.20E-02	8.20E-06	1.84E-02	25	8,288	394.40	620.20	165.83	2.6E-07	4.0E-02	Tetrachloroethylene
8.70E-02	8.60E-06	6.62E-03	25	7,930	383.78	591.79	92.14	0.0E+00	5.0E+00	Toluene
7.90E-02	9.10E-06	1.03E-02	25	7,505	360.36	544.20	131.39	4.1E-06	2.0E-03	Trichloroethylene
8.50E-02	9.20E-06	5.10E-04	25	7,800	345.65	519.13	86.09	0.0E+00	2.0E-01	Vinyl acetate

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.267	0.093	0.321	0.276	1.02E-07	0.677	6.89E-08	4,000	1.10E+00	3.39E+04
										5.20E+01	
										6.10E+00	
										4.20E+02	
										3.90E+00	
										7.40E-01	
										7.60E+01	
										7.60E-01	
										1.00E+00	
										7.80E-01	
										1.60E+00	
										2.30E+00	
										6.70E+00	
										3.50E+01	
										5.10E+00	
										3.40E+00	
										2.90E+01	
										3.80E+01	
										1.48E+02	
										5.80E+01	

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)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	8,478	2.66E-03	1.09E-01	1.80E-04	5.41E-03	0.00E+00	0.00E+00	5.41E-03	137.4
			8,244	5.32E-05	2.18E-03	1.80E-04	5.64E-03	0.00E+00	0.00E+00	5.64E-03	
			9,673	1.30E-04	5.34E-03	1.80E-04	5.20E-03	0.00E+00	0.00E+00	5.20E-03	
			7,384	3.71E-05	1.52E-03	1.80E-04	8.66E-03	0.00E+00	0.00E+00	8.66E-03	
			7,977	5.29E-03	2.17E-01	1.80E-04	6.08E-03	0.00E+00	0.00E+00	6.08E-03	
			10,746	5.53E-04	2.27E-02	1.80E-04	1.04E-03	0.00E+00	0.00E+00	1.04E-03	
			6,572	2.91E-02	1.19E+00	1.80E-04	7.19E-03	0.00E+00	0.00E+00	7.19E-03	
			7,716	2.90E-02	1.19E+00	1.80E-04	5.39E-03	0.00E+00	0.00E+00	5.39E-03	
			5,740	8.52E-03	3.49E-01	1.80E-04	1.87E-02	0.00E+00	0.00E+00	1.87E-02	
			7,407	3.51E-03	1.44E-01	1.80E-04	7.19E-03	0.00E+00	0.00E+00	7.19E-03	
			4,578	8.57E-03	3.52E-01	1.80E-04	8.71E-03	0.00E+00	0.00E+00	8.71E-03	
			7,592	3.90E-03	1.60E-01	1.80E-04	5.09E-03	0.00E+00	0.00E+00	5.09E-03	
			9,994	7.43E-03	3.05E-01	1.80E-04	5.18E-03	0.00E+00	0.00E+00	5.18E-03	
			10,245	4.88E-03	2.00E-01	1.80E-04	6.01E-03	0.00E+00	0.00E+00	6.01E-03	
			6,884	2.10E-03	8.62E-02	1.80E-04	6.98E-03	0.00E+00	0.00E+00	6.98E-03	
			10,294	2.59E-03	1.06E-01	1.80E-04	4.91E-03	0.00E+00	0.00E+00	4.91E-03	
			9,410	1.74E-02	7.14E-01	1.80E-04	4.98E-03	0.00E+00	0.00E+00	4.98E-03	
			9,001	6.29E-03	2.58E-01	1.80E-04	6.01E-03	0.00E+00	0.00E+00	6.01E-03	
			8,382	9.80E-03	4.02E-01	1.80E-04	5.46E-03	0.00E+00	0.00E+00	5.46E-03	
			8,559	4.86E-04	1.99E-02	1.80E-04	5.88E-03	0.00E+00	0.00E+00	5.88E-03	

INTERMEDIATE CALCULATIONS SHEET

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	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., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Compound	
15	1.10E+00	1.33	8.33E+01	5.41E-03	5.30E+03	4.26E+12	8.20E-04	9.02E-04	1.0E-05	4.0E-03	1,2-Dichloropropane	8.20E-04
	5.20E+01			5.64E-03		1.30E+12	8.43E-04	4.38E-02	NA	5.0E+00	Methylethylketone (2-butanone	8.43E-04
	6.10E+00			5.20E-03		1.35E+13	7.99E-04	4.88E-03	NA	3.0E+00	Methylisobutylketone (4-methy	7.99E-04
	4.20E+02			8.66E-03		7.73E+07	1.09E-03	4.59E-01	NA	3.1E+01	Acetone	1.09E-03
	3.90E+00			6.08E-03		1.68E+11	8.86E-04	3.46E-03	7.8E-06	3.0E-02	Benzene	8.86E-04
	7.40E-01			1.04E-03		9.26E+65	2.15E-04	1.59E-04	1.1E-06	NA	Bromoform	2.15E-04
	7.60E+01			7.19E-03		3.15E+09	9.83E-04	7.47E-02	NA	7.0E-01	Carbon disulfide	9.83E-04
	7.60E-01			5.39E-03		4.61E+12	8.19E-04	6.22E-04	6.0E-06	1.0E-01	Carbon tetrachloride	8.19E-04
	1.00E+00			1.87E-02		4.42E+03	1.56E-03	1.56E-03	NA	1.0E+01	Chloroethane (ethyl chloride)	1.56E-03
	7.80E-01			7.19E-03		3.14E+09	9.83E-04	7.67E-04	2.3E-05	9.8E-02	Chloroform	9.83E-04
	1.60E+00			8.71E-03		6.91E+07	1.10E-03	1.76E-03	NA	9.0E-02	Methyl chloride (chloromethan	1.10E-03
	2.30E+00			5.09E-03		2.62E+13	7.87E-04	1.81E-03	NA	NA	cis-1,2-Dichloroethylene	7.87E-04
	6.70E+00			5.18E-03		1.48E+13	7.98E-04	5.34E-03	2.5E-06	1.0E+00	Ethylbenzene	7.98E-04
	3.50E+01			6.01E-03		2.25E+11	8.80E-04	3.08E-02	NA	2.0E-01	o-Xylene	8.80E-04
	5.10E+00			6.98E-03		6.00E+09	9.66E-04	4.92E-03	1.0E-08	6.0E-01	Methylene chloride	9.66E-04
	3.40E+00			4.91E-03		8.13E+13	7.68E-04	2.61E-03	NA	1.0E+00	Styrene	7.68E-04
	2.90E+01			4.98E-03		5.24E+13	7.76E-04	2.25E-02	2.6E-07	4.0E-02	Tetrachloroethylene	7.76E-04
	3.80E+01			6.01E-03		2.26E+11	8.79E-04	3.34E-02	NA	5.0E+00	Toluene	8.79E-04
	1.48E+02			5.46E-03		3.19E+12	8.26E-04	1.22E-01	4.1E-06	2.0E-03	Trichloroethylene	8.26E-04
	5.80E+01			5.88E-03		4.08E+11	8.67E-04	5.03E-02	NA	2.0E-01	Vinyl acetate	8.67E-04

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

	Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)	Compound
	3.7E-09	2.2E-04	1,2-Dichloropropane
	NA	8.4E-06	Methylethylketone (2-butanone)
	NA	1.6E-06	Methylisobutylketone (4-methyl-2-pentanone)
	NA	1.4E-05	Acetone
	1.1E-08	1.1E-04	Benzene
	7.2E-11	NA	Bromoform
	NA	1.0E-04	Carbon disulfide
	1.5E-09	6.0E-06	Carbon tetrachloride
	NA	1.5E-07	Chloroethane (ethyl chloride)
	7.2E-09	7.5E-06	Chloroform
	NA	1.9E-05	Methyl chloride (chloromethane)
	NA	NA	cis-1,2-Dichloroethylene
	5.5E-09	5.1E-06	Ethylbenzene
	NA	1.5E-04	o-Xylene
	2.0E-11	7.9E-06	Methylene chloride
	NA	2.5E-06	Styrene
	2.4E-09	5.4E-04	Tetrachloroethylene
	NA	6.4E-06	Toluene
	2.1E-07	5.9E-02	Trichloroethylene
	NA	2.4E-04	Vinyl acetate
Sum	**2.4E-07**	**0.06**	

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

Bulk Density (g/cm^3)	θ_w (cm^3/cm^3)	SCS Soil Name
1.43	0.215	Clay
1.48	0.168	Clay Loam
1.59	0.148	Loam
1.62	0.076	Loamy Sand
1.66	0.054	Sand
1.63	0.197	Sandy Clay
1.63	0.146	Sandy Clay Loam
1.35	0.167	Silt
1.38	0.216	Silty Clay
1.37	0.198	Silty Clay Loam
1.49	0.180	Silt Loam
1.62	0.103	Sandy Loam

				CalEPA Toxicity Criteria in bold (last updated 1/21/05 DTSC/HERD)					Original EPA Values				CalEPA / USEPA Potency Ratio
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)	Molecular weight, MW (g/mol)	URF extrapolated (X)	RfC extrapolated (X)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	URF extrapolated (X)	RfC extrapolated (X)	
25	349.90	556.60	7,127	**6.0E-06**	**1.0E-01**	1.54E+02			1.5E-05	0.0E+00			**0.40**
25	624.24	885.73	14,000	**3.4E-04**	7.0E-04	4.10E+02			1.0E-04	7.0E-04			**3.40**
25	596.55	839.36	15,000	**3.1E-04**	1.1E-03	2.91E+02	?	X	3.7E-04	1.1E-03	X	X	**0.84**
25	307.50	466.74	6,338	0.0E+00	7.0E-01	7.41E+01		X	0.0E+00	7.0E-01		X	NC
25	613.32	842.25	17,000	**4.6E-03**	1.8E-04	3.81E+02		X	4.6E-03	1.8E-04		X	**1.00**
25	329.20	508.10	6,955	0.0E+00	3.1E+01	5.81E+01		X	0.0E+00	3.5E-01		X	NC
25	334.32	536.40	6,988	**2.3E-05**	**9.8E-02**	1.19E+02			2.3E-05	0.0E+00			**1.00**
25	458.00	695.00	9,510	**1.1E-05**	3.5E-03	2.37E+02		X	4.0E-06	3.5E-03		X	**2.75**
25	353.24	562.16	7,342	**7.8E-06**	3.0E-02	7.81E+01			7.8E-06	0.0E+00			**1.00**
25	347.24	545.00	7,136	0.0E+00	**1.0E+00**	1.33E+02			0.0E+00	2.2E+00			NC
25	651.02	848.49	16,000	0.0E+00	1.8E-02	3.46E+02		X	0.0E+00	1.8E-02		X	NC
25	636.44	860.38	15,000	**9.7E-05**	0.0E+00	3.18E+02	?		9.7E-05	0.0E+00	X		**1.00**
25	276.71	467.00	5,714	0.0E+00	**5.0E-03**	9.49E+01			0.0E+00	5.0E-03			NC
25	249.00	416.25	5,115	0.0E+00	9.0E-02	5.05E+01			1.0E-06	9.0E-02			0.00
25	299.00	456.70	6,676	0.0E+00	3.0E-03	2.70E+01			0.0E+00	3.0E-03			NC
25	370.00	583.00	7,868	0.0E+00	3.5E-02	1.74E+02		X	0.0E+00	3.5E-02		X	NC
25	285.30	460.40	5,879	0.0E+00	1.0E+01	6.45E+01	X		8.3E-07	1.0E+01	X		0.00
25	259.25	432.00	5,250	**7.8E-05**	1.0E-01	6.25E+01			8.8E-06	1.0E-01			**8.86**
25	354.60	545.50	7,110	0.0E+00	6.0E-02	4.11E+01			0.0E+00	6.0E-02			NC
25	293.10	466.00	6,157	**2.7E-06**	**9.0E-03**	4.41E+01			2.2E-06	9.0E-03			**1.23**
25	313.00	510.00	6,706	**1.0E-08**	**6.0E-01**	8.49E+01			4.7E-07	3.0E+00			**0.02**
25	319.00	552.00	6,391	0.0E+00	7.0E-01	7.61E+01			0.0E+00	7.0E-01			NC
25	283.60	469.00	6,104	**8.8E-05**	**3.0E-02**	4.41E+01			1.0E-04	0.0E+00			**0.88**
25	422.35	696.00	9,479	1.1E-06	0.0E+00	2.53E+02		X	1.1E-06	7.0E-02		X	1.00
25	363.15	585.85	7,800	**3.7E-05**	7.0E-02	1.64E+02	?	X	1.8E-05	7.0E-02	X	X	**2.09**
25	308.70	485.00	6,286	0.0E+00	1.0E-01	7.85E+01			0.0E+00	1.0E-01			NC
25	330.55	523.00	6,895	**1.6E-06**	5.0E-01	9.90E+01			0.0E+00	5.0E-01			**CalEPA only**
25	304.75	576.05	6,247	0.0E+00	**7.0E-02**	9.69E+01			0.0E+00	2.0E-01			NC
25	232.40	369.30	4,836	0.0E+00	5.0E+01	8.65E+01			0.0E+00	5.0E+01			NC
25	296.70	471.00	5,999	0.0E+00	7.0E-01	1.37E+02			0.0E+00	7.0E-01			NC
25	243.20	384.95	9,421	0.0E+00	2.0E-01	1.21E+02			0.0E+00	2.0E-01			NC
25	320.70	487.30	6,463	0.0E+00	3.0E+01	1.87E+02			0.0E+00	3.0E+01			NC
25	603.69	846.31	13,000	**1.6E-03**	1.8E-03	3.73E+02		X	1.3E-03	1.8E-03		X	**1.23**
25	512.15	746.00	10,931	0.0E+00	2.0E-04	2.73E+02			0.0E+00	2.0E-04			NC
25	381.04	547.78	10,936	0.0E+00	1.1E+00	7.41E+01		X	0.0E+00	1.1E+00		X	NC
25	369.52	572.00	7,590	**1.0E-05**	4.0E-03	1.13E+02	?		1.9E-05	4.0E-03	X		**0.52**
25	352.50	536.78	7,481	0.0E+00	5.0E+00	7.21E+01			0.0E+00	1.0E+00			NC
25	386.15	602.00	8,322	**1.6E-05**	1.4E-02	1.33E+02		X	1.6E-05	1.4E-02		X	**1.00**
25	360.36	544.20	7,505	**4.1E-06**	**2.0E-03**	1.31E+02	?		1.1E-04	4.0E-02	X		**0.04**
25	329.80	506.70	7,260	0.0E+00	3.5E+00	7.41E+01		X	0.0E+00	3.5E+00		X	NC
25	419.60	661.15	8,996	**5.8E-05**	2.1E-01	1.68E+02		X	5.8E-05	2.1E-01		X	**1.00**
25	393.20	594.00	8,383	2.7E-03	2.0E-02	8.91E+01			2.7E-03	2.0E-02			1.00
25	373.50	567.00	8,975	0.0E+00	7.0E-01	1.00E+02			0.0E+00	7.0E-01			NC
25	550.54	803.15	12,155	0.0E+00	2.1E-01	1.54E+02		X	0.0E+00	2.1E-01		X	NC
25	570.44	870.00	12,666	0.0E+00	1.4E-01	1.66E+02		X	0.0E+00	1.4E-01		X	NC
25	486.15	738.00	10,206	2.2E-05	7.0E-04	2.61E+02		X	2.2E-05	7.0E-04		X	1.00

25	495.00	720.00	12,239	0.0E+00	3.5E-02	1.37E+02		X	0.0E+00	3.5E-02		X	NC
25	491.14	748.40	10,373	**3.4E-05**	3.0E-03	1.28E+02			0.0E+00	3.0E-03			NC
25	514.26	761.00	12,600	0.0E+00	7.0E-02	1.42E+02		X	0.0E+00	7.0E-02		X	NC
25	529.10	789.00	10,890	0.0E+00	1.8E-01	1.54E+02		X	0.0E+00	1.8E-01		X	NC
25	417.60	630.30	8,661	0.0E+00	2.0E-01	1.06E+02		?	0.0E+00	1.0E-01			NC
25	453.57	705.00	9,700	0.0E+00	2.0E-01	1.47E+02			0.0E+00	2.0E-01			NC
25	447.53	675.00	9,572	0.0E+00	1.8E-02	1.29E+02		X	0.0E+00	1.8E-02		X	NC
25	442.30	649.17	9,369	0.0E+00	6.0E-03	1.20E+02			0.0E+00	6.0E-03			NC
25	430.00	652.00	9,171	5.7E-04	4.9E-03	1.47E+02	X		5.7E-04	4.9E-03	X		1.00
25	353.70	536.00	7,749	0.0E+00	1.1E-01	8.61E+01		X	0.0E+00	1.1E-01		X	NC
25	390.00	571.00	10,957	0.0E+00	3.2E-01	1.14E+02		X	0.0E+00	3.2E-01		X	NC
25	442.10	1220.00	8,980	0.0E+00	1.4E-01	1.34E+02		X	0.0E+00	1.4E-01		X	NC
25	425.56	631.10	10,335	0.0E+00	4.0E-01	1.20E+02			0.0E+00	4.0E-01			NC
25	475.00	709.50	11,732	0.0E+00	3.5E-01	1.20E+02		X	0.0E+00	3.5E-01		X	NC
25	483.95	719.00	10,566	0.0E+00	2.0E-03	1.23E+02			0.0E+00	2.0E-03			NC
25	409.34	617.20	8,501	2.5E-06	1.0E+00	1.06E+02			0.0E+00	1.0E+00			NC
25	418.31	636.00	8,737	0.0E+00	**1.0E+00**	1.04E+02			0.0E+00	1.0E+00			NC
25	452.00	685.00	8,773	**4.9E-05**	0.0E+00	1.27E+02	?		4.9E-05	0.0E+00	X		**1.00**
25	452.00	695.00	11,658	0.0E+00	3.5E-01	1.06E+02		X	0.0E+00	3.5E-01		X	NC
25	432.20	630.00	9,123	0.0E+00	1.4E-01	1.20E+02		X	0.0E+00	1.4E-01		X	NC
25	456.46	660.50	9,290	0.0E+00	1.4E-01	1.34E+02		X	0.0E+00	1.4E-01		X	NC
25	411.52	616.20	8,525	0.0E+00	1.0E-01	1.06E+02		?	0.0E+00	1.0E-01			NC
25	447.21	684.75	9,271	**1.1E-05**	**8.0E-01**	1.47E+02			0.0E+00	8.0E-01			**CalEPA only**
25	404.60	583.00	8,310	**7.1E-05**	**8.0E-04**	1.88E+02			6.0E-04	9.0E-03			**0.12**
25	268.60	425.00	5,370	**1.7E-04**	2.0E-03	5.41E+01			3.0E-05	0.0E+00			**5.67**
25	325.60	506.00	6,731	0.0E+00	2.0E-05	5.61E+01			0.0E+00	2.0E-05			NC
25	356.65	561.00	7,643	**2.1E-05**	**4.0E-01**	9.90E+01			2.6E-05	0.0E+00			**0.81**
25	350.30	519.00	7,786	**2.9E-04**	2.0E-03	5.31E+01			6.8E-05	2.0E-03			**4.26**
25	345.65	519.13	7,800	0.0E+00	**2.0E-01**	8.61E+01			0.0E+00	2.0E-01			NC
25	389.50	571.00	8,243	0.0E+00	3.0E+00	1.00E+02			0.0E+00	8.0E-02			NC
25	412.27	617.05	8,523	0.0E+00	1.0E-01	1.06E+02		?	0.0E+00	1.0E-01			NC
25	437.89	637.25	9,321	0.0E+00	6.0E-03	1.20E+02			0.0E+00	6.0E-03			NC
25	373.90	572.20	7,474	0.0E+00	3.0E+00	9.82E+01			0.0E+00	3.0E+00			NC
25	383.78	591.79	7,930	0.0E+00	**5.0E+00**	9.21E+01			0.0E+00	4.0E-01			NC
25	404.87	632.40	8,410	0.0E+00	**1.0E+00**	1.13E+02			0.0E+00	6.0E-02			NC
25	351.60	542.00	7,263	0.0E+00	1.4E+00	9.26E+01		X	0.0E+00	1.4E+00		X	NC
25	304.60	490.20	6,477	0.0E+00	3.5E-03	6.81E+01		X	0.0E+00	3.5E-03		X	NC
25	341.70	508.00	6,895	0.0E+00	2.0E-01	8.62E+01			0.0E+00	2.0E-01			NC
25	451.15	659.79	10,803	**7.1E-04**	0.0E+00	1.43E+02			3.3E-04	0.0E+00			**2.15**
25	674.43	942.94	14,000	0.0E+00	2.1E-02	4.07E+02		X	0.0E+00	2.1E-02		X	NC
25	582.55	825.00	14,447	**5.1E-04**	2.8E-03	2.85E+02		X	4.6E-04	2.8E-03		X	**1.11**
25	486.15	725.00	10,471	0.0E+00	2.0E-01	1.81E+02			0.0E+00	2.0E-01			NC
25	375.20	568.00	9	5.4E-04	0.0E+00	7.01E+01	X		5.4E-04	0.0E+00	X		1.00
25	416.14	678.20	5,900	**2.7E-05**	7.0E-02	2.08E+02	?	X	2.4E-05	7.0E-02	X	X	**1.13**
25	363.30	554.00	7,600	0.0E+00	7.0E-04	6.71E+01			0.0E+00	7.0E-04			NC
25	332.40	525.00	8,075	0.0E+00	7.0E-03	8.85E+01			0.0E+00	7.0E-03			NC
25	394.40	620.20	8,288	**2.6E-07**	**4.0E-02**	1.66E+02			3.0E-06	0.0E+00			**0.09**
25	667.95	936	14370	0.0E+00	1.1E-01	2.02E+02		X	0.0E+00	1.1E-01		X	NC
25	560	824	66400	0.0E+00	1.4E-02	1.68E+02		X	0.0E+00	1.4E-02		X	NC
25	446.5	679	88730	0.0E+00	1.4E-01	1.34E+02		X	0.0E+00	1.4E-01		X	NC
25	350.26	523.3	7633.66	0.0E+00	3.2E+00	8.81E+01		X	0.0E+00	3.2E+00		X	NC
25	333.65	544	7192	0.0E+00	0.0E+00	9.69E+01		X	0.0E+00	3.5E-02		X	NC
25	320.85	516.5	6717	0.0E+00	7.0E-02	9.69E+01		X	0.0E+00	7.0E-02		X	NC
25	715.9	969.27	17000	**1.1E-04**	0.0E+00	2.52E+02	?		2.1E-04	0.0E+00	X		**0.53**
25	714.15	979	16455	**1.1E-05**	0.0E+00	2.28E+02	?		2.1E-06	0.0E+00	X		**5.26**
25	603.01	839.37	15000	**4.9E-03**	1.1E-04	3.65E+02		X	4.9E-03	1.1E-04		X	**1.00**
25	596.55	839.36	15000	**7.7E-04**	0.0E+00	2.91E+02			1.8E-03	0.0E+00			**0.43**
25	446	684	9230.18	0.0E+00	1.1E-01	1.47E+02		X	0.0E+00	1.1E-01		X	NC
25	381.15	587.38	7900	**1.6E-05**	2.0E-02	1.11E+02			4.0E-06	2.0E-02			**4.00**
25	403.5	624	9768.282525	7.4E-06	1.1E-01	1.68E+02		X	7.4E-06	1.1E-01		X	1.00
25	328.3	497.1	6677.66	**2.6E-07**	3.0E+00	8.82E+01			0.0E+00	3.0E+00			**CalEPA only**
25	629.88	1750	14127	0.0E+00	**9.0E-05**	2.01E+02			0.0E+00	3.0E-04			NC

SG-ADV
Version 2.0; 02/03

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
78875	1.00E+00			1,2-Dichloropropane
78933	7.30E+01			Methylethylketone (2-butanone)
108101	3.40E+00			Methylisobutylketone (4-methyl-2-pentanone)
67641	3.60E+02			Acetone
71432	6.70E+00			Benzene
75252	3.10E+00			Bromoform
75150	3.10E+00			Carbon disulfide
56235	7.40E-01			Carbon tetrachloride
75003	3.10E+00			Chloroethane (ethyl chloride)
67663	3.50E+00			Chloroform
74873	8.70E-01			Methyl chloride (chloromethane)
156592	3.80E+00			cis-1,2-Dichloroethylene
100414	6.60E+00			Ethylbenzene
95476	3.30E+01			o-Xylene
75092	4.40E+00			Methylene chloride
100425	2.70E+00			Styrene
127184	3.40E+01			Tetrachloroethylene
108883	3.40E+01			Toluene
79016	5.01E+02			Trichloroethylene
108054	3.30E+01			Vinyl acetate

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	#N/A Soil gas sampling depth below grade, L_s (cm)	#N/A Average soil temperature, T_S (°C)	#N/A Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	304.8	24	304.8			S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.66	0.422	0.155		1.5	0.403	0.31		1.5	0.375	0.054

MORE ↓

ENTER Enclosed space floor thickness, L_{crack} (cm)	ENTER Soil-bldg. pressure differential, ΔP ($g/cm\text{-}s^2$)	ENTER Enclosed space floor length, L_B (cm)	ENTER Enclosed space floor width, W_B (cm)	ENTER Enclosed space height, H_B (cm)	ENTER Floor-wall seam crack width, w (cm)	ENTER Indoor air exchange rate, ER (1/h)	ENTER Average vapor flow rate into bldg. OR Leave blank to calculate Q_{soil} (L/m)
10	40	1000	1000	244	0.1	0.5	5

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)
70	30	30	350

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 a the normal boiling point $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Molecular weight, MW (g/mol)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Compound
7.82E-02	8.73E-06	2.79E-03	25	7,590	369.52	572.00	112.99	1.0E-05	4.0E-03	1,2-Dichloropropane
8.08E-02	9.80E-06	5.58E-05	25	7,481	352.50	536.78	72.11	0.0E+00	5.0E+00	Methylethylketone (2-butanone)
7.50E-02	7.80E-06	1.38E-04	25	8,243	389.50	571.00	100.16	0.0E+00	3.0E+00	Methylisobutylketone (4-methyl-2-pentanone)
1.24E-01	1.14E-05	3.87E-05	25	6,955	329.20	508.10	58.08	0.0E+00	3.1E+01	Acetone
8.80E-02	9.80E-06	5.54E-03	25	7,342	353.24	562.16	78.11	7.8E-06	3.0E-02	Benzene
1.49E-02	1.03E-05	5.88E-04	25	9,479	422.35	696.00	252.75	1.1E-06	0.0E+00	Bromoform
1.04E-01	1.00E-05	3.02E-02	25	6,391	319.00	552.00	76.13	0.0E+00	7.0E-01	Carbon disulfide
7.80E-02	8.80E-06	3.03E-02	25	7,127	349.90	556.60	153.82	6.0E-06	1.0E-01	Carbon tetrachloride
2.71E-01	1.15E-05	8.80E-03	25	5,879	285.30	460.40	64.51	0.0E+00	1.0E+01	Chloroethane (ethyl chloride)
1.04E-01	1.00E-05	3.66E-03	25	6,988	334.32	536.40	119.38	2.3E-05	9.8E-02	Chloroform
1.26E-01	6.50E-06	8.80E-03	25	5,115	249.00	416.25	50.49	0.0E+00	9.0E-02	Methyl chloride (chloromethane)
7.36E-02	1.13E-05	4.07E-03	25	7,192	333.65	544.00	96.94	0.0E+00	0.0E+00	cis-1,2-Dichloroethylene
7.50E-02	7.80E-06	7.86E-03	25	8,501	409.34	617.20	106.17	2.5E-06	1.0E+00	Ethylbenzene
8.70E-02	1.00E-05	5.18E-03	25	8,661	417.60	630.30	106.17	0.0E+00	2.0E-01	o-Xylene
1.01E-01	1.17E-05	2.18E-03	25	6,706	313.00	510.00	84.93	1.0E-08	6.0E-01	Methylene chloride
7.10E-02	8.00E-06	2.74E-03	25	8,737	418.31	636.00	104.15	0.0E+00	1.0E+00	Styrene
7.20E-02	8.20E-06	1.84E-02	25	8,288	394.40	620.20	165.83	2.6E-07	4.0E-02	Tetrachloroethylene
8.70E-02	8.60E-06	6.62E-03	25	7,930	383.78	591.79	92.14	0.0E+00	5.0E+00	Toluene
7.90E-02	9.10E-06	1.03E-02	25	7,505	360.36	544.20	131.39	4.1E-06	2.0E-03	Trichloroethylene
8.50E-02	9.20E-06	5.10E-04	25	7,800	345.65	519.13	86.09	0.0E+00	2.0E-01	Vinyl acetate

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	289.8	0.267	0.093	0.321	0.276	1.02E-07	0.677	6.89E-08	4,000	1.00E+00	3.39E+04
										7.30E+01	
										3.40E+00	
										3.60E+02	
										6.70E+00	
										3.10E+00	
										3.10E+00	
										7.40E-01	
										3.10E+00	
										3.50E+00	
										8.70E-01	
										3.80E+00	
										6.60E+00	
										3.30E+01	
										4.40E+00	
										2.70E+00	
										3.40E+01	
										3.40E+01	
										5.01E+02	
										3.30E+01	

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)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	8,478	2.66E-03	1.09E-01	1.80E-04	5.41E-03	0.00E+00	0.00E+00	5.41E-03	289.8
			8,244	5.32E-05	2.18E-03	1.80E-04	5.64E-03	0.00E+00	0.00E+00	5.64E-03	
			9,673	1.30E-04	5.34E-03	1.80E-04	5.20E-03	0.00E+00	0.00E+00	5.20E-03	
			7,384	3.71E-05	1.52E-03	1.80E-04	8.66E-03	0.00E+00	0.00E+00	8.66E-03	
			7,977	5.29E-03	2.17E-01	1.80E-04	6.08E-03	0.00E+00	0.00E+00	6.08E-03	
			10,746	5.53E-04	2.27E-02	1.80E-04	1.04E-03	0.00E+00	0.00E+00	1.04E-03	
			6,572	2.91E-02	1.19E+00	1.80E-04	7.19E-03	0.00E+00	0.00E+00	7.19E-03	
			7,716	2.90E-02	1.19E+00	1.80E-04	5.39E-03	0.00E+00	0.00E+00	5.39E-03	
			5,740	8.52E-03	3.49E-01	1.80E-04	1.87E-02	0.00E+00	0.00E+00	1.87E-02	
			7,407	3.51E-03	1.44E-01	1.80E-04	7.19E-03	0.00E+00	0.00E+00	7.19E-03	
			4,578	8.57E-03	3.52E-01	1.80E-04	8.71E-03	0.00E+00	0.00E+00	8.71E-03	
			7,592	3.90E-03	1.60E-01	1.80E-04	5.09E-03	0.00E+00	0.00E+00	5.09E-03	
			9,994	7.43E-03	3.05E-01	1.80E-04	5.18E-03	0.00E+00	0.00E+00	5.18E-03	
			10,245	4.88E-03	2.00E-01	1.80E-04	6.01E-03	0.00E+00	0.00E+00	6.01E-03	
			6,884	2.10E-03	8.62E-02	1.80E-04	6.98E-03	0.00E+00	0.00E+00	6.98E-03	
			10,294	2.59E-03	1.06E-01	1.80E-04	4.91E-03	0.00E+00	0.00E+00	4.91E-03	
			9,410	1.74E-02	7.14E-01	1.80E-04	4.98E-03	0.00E+00	0.00E+00	4.98E-03	
			9,001	6.29E-03	2.58E-01	1.80E-04	6.01E-03	0.00E+00	0.00E+00	6.01E-03	
			8,382	9.80E-03	4.02E-01	1.80E-04	5.46E-03	0.00E+00	0.00E+00	5.46E-03	
			8,559	4.86E-04	1.99E-02	1.80E-04	5.88E-03	0.00E+00	0.00E+00	5.88E-03	

INTERMEDIATE CALCULATIONS SHEET

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	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., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)	Compound	
15	1.00E+00	1.33	8.33E+01	5.41E-03	5.30E+03	4.26E+12	4.72E-04	4.72E-04	1.0E-05	4.0E-03	1,2-Dichloropropane	4.72E-04
	7.30E+01			5.64E-03		1.30E+12	4.88E-04	3.56E-02	NA	5.0E+00	Methylethylketone (2-butanone	4.88E-04
	3.40E+00			5.20E-03		1.35E+13	4.57E-04	1.55E-03	NA	3.0E+00	Methylisobutylketone (4-methy	4.57E-04
	3.60E+02			8.66E-03		7.73E+07	6.77E-04	2.44E-01	NA	3.1E+01	Acetone	6.77E-04
	6.70E+00			6.08E-03		1.68E+11	5.18E-04	3.47E-03	7.8E-06	3.0E-02	Benzene	5.18E-04
	3.10E+00			1.04E-03		9.26E+65	1.07E-04	3.31E-04	1.1E-06	NA	Bromoform	1.07E-04
	3.10E+00			7.19E-03		3.15E+09	5.90E-04	1.83E-03	NA	7.0E-01	Carbon disulfide	5.90E-04
	7.40E-01			5.39E-03		4.61E+12	4.71E-04	3.48E-04	6.0E-06	1.0E-01	Carbon tetrachloride	4.71E-04
	3.10E+00			1.87E-02		4.42E+03	1.11E-03	3.44E-03	NA	1.0E+01	Chloroethane (ethyl chloride)	1.11E-03
	3.50E+00			7.19E-03		3.14E+09	5.90E-04	2.06E-03	2.3E-05	9.8E-02	Chloroform	5.90E-04
	8.70E-01			8.71E-03		6.91E+07	6.80E-04	5.92E-04	NA	9.0E-02	Methyl chloride (chloromethan	6.80E-04
	3.80E+00			5.09E-03		2.62E+13	4.49E-04	1.71E-03	NA	NA	cis-1,2-Dichloroethylene	4.49E-04
	6.60E+00			5.18E-03		1.48E+13	4.56E-04	3.01E-03	2.5E-06	1.0E+00	Ethylbenzene	4.56E-04
	3.30E+01			6.01E-03		2.25E+11	5.14E-04	1.69E-02	NA	2.0E-01	o-Xylene	5.14E-04
	4.40E+00			6.98E-03		6.00E+09	5.77E-04	2.54E-03	1.0E-08	6.0E-01	Methylene chloride	5.77E-04
	2.70E+00			4.91E-03		8.13E+13	4.36E-04	1.18E-03	NA	1.0E+00	Styrene	4.36E-04
	3.40E+01			4.98E-03		5.24E+13	4.41E-04	1.50E-02	2.6E-07	4.0E-02	Tetrachloroethylene	4.41E-04
	3.40E+01			6.01E-03		2.26E+11	5.14E-04	1.75E-02	NA	5.0E+00	Toluene	5.14E-04
	5.01E+02			5.46E-03		3.19E+12	4.75E-04	2.38E-01	4.1E-06	2.0E-03	Trichloroethylene	4.75E-04
	3.30E+01			5.88E-03		4.08E+11	5.05E-04	1.66E-02	NA	2.0E-01	Vinyl acetate	5.05E-04

END

RESULTS SHEET

INCREMENTAL RISK CALCULATIONS:

	Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)	Compound
	1.9E-09	1.1E-04	1,2-Dichloropropane
	NA	6.8E-06	Methylethylketone (2-butanone)
	NA	5.0E-07	Methylisobutylketone (4-methyl-2-pentanone)
	NA	7.5E-06	Acetone
	1.1E-08	1.1E-04	Benzene
	1.5E-10	NA	Bromoform
	NA	2.5E-06	Carbon disulfide
	8.6E-10	3.3E-06	Carbon tetrachloride
	NA	3.3E-07	Chloroethane (ethyl chloride)
	2.0E-08	2.0E-05	Chloroform
	NA	6.3E-06	Methyl chloride (chloromethane)
	NA	NA	cis-1,2-Dichloroethylene
	3.1E-09	2.9E-06	Ethylbenzene
	NA	8.1E-05	o-Xylene
	1.0E-11	4.1E-06	Methylene chloride
	NA	1.1E-06	Styrene
	1.6E-09	3.6E-04	Tetrachloroethylene
	NA	3.3E-06	Toluene
	4.0E-07	1.1E-01	Trichloroethylene
	NA	8.0E-05	Vinyl acetate
Sum	**4.4E-07**	**0.12**	

MESSAGE AND ERROR SUMMARY BELOW: (DO NOT USE RESULTS IF ERRORS ARE PRESENT)

SCROLL DOWN TO "END"

END

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 ($atm\text{-}m^3/mol$)	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)	**CalEPA Toxicity Criteria in bold** (last updated 1/21/05 DTSC/HERD) Unit risk factor, URF ($\mu g/m^3$)$^{-1}$	Reference conc., RfC (mg/m^3)	Molecular weight, MW (g/mol)	URF extrapolated (X)	RfC extrapolated (X)	Original EPA Values: Unit risk factor, URF ($\mu g/m^3$)$^{-1}$	Reference conc., RfC (mg/m^3)	URF extrapolated (X)	RfC extrapolated (X)	CalEPA / USEPA Potency Ratio
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	**6.0E-06**	**1.0E-01**	1.54E+02			1.5E-05	0.0E+00			**0.40**
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	**3.4E-04**	7.0E-04	4.10E+02			1.0E-04	7.0E-04			**3.40**
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	**3.1E-04**	1.1E-03	2.91E+02	?	X	3.7E-04	1.1E-03	X	X	**0.84**
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	7.41E+01		X	0.0E+00	7.0E-01		X	NC
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	3.81E+02		X	4.6E-03	1.8E-04		X	**1.00**
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	3.1E+01	5.81E+01		X	0.0E+00	3.5E-01		X	NC
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**	**9.8E-02**	1.19E+02			2.3E-05	0.0E+00			**1.00**
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	**1.1E-05**	3.5E-03	2.37E+02		X	4.0E-06	3.5E-03		X	**2.75**
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	7.81E+01			7.8E-06	0.0E+00			**1.00**
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	**1.0E+00**	1.33E+02			0.0E+00	2.2E+00			NC
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	3.46E+02		X	0.0E+00	1.8E-02		X	NC
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	3.18E+02	?		9.7E-05	0.0E+00	X		**1.00**
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**	9.49E+01			0.0E+00	5.0E-03			NC
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	0.0E+00	9.0E-02	5.05E+01			1.0E-06	9.0E-02			0.00
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	2.70E+01			0.0E+00	3.0E-03			NC
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	1.74E+02		X	0.0E+00	3.5E-02		X	NC
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	0.0E+00	1.0E+01	6.45E+01	X		8.3E-07	1.0E+01	X		0.00
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	**7.8E-05**	1.0E-01	6.25E+01			8.8E-06	1.0E-01			**8.86**
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	4.11E+01			0.0E+00	6.0E-02			NC
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	**2.7E-06**	**9.0E-03**	4.41E+01			2.2E-06	9.0E-03			**1.23**
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	**1.0E-08**	**6.0E-01**	8.49E+01			4.7E-07	3.0E+00			**0.02**
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	7.61E+01			0.0E+00	7.0E-01			NC
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	**8.8E-05**	**3.0E-02**	4.41E+01			1.0E-04	0.0E+00			**0.88**
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	0.0E+00	2.53E+02		X	1.1E-06	7.0E-02		X	1.00
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	**3.7E-05**	7.0E-02	1.64E+02	?	X	1.8E-05	7.0E-02	X	X	**2.09**
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	7.85E+01			0.0E+00	1.0E-01			NC
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	**1.6E-06**	5.0E-01	9.90E+01			0.0E+00	5.0E-01			**CalEPA only**
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	**7.0E-02**	9.69E+01			0.0E+00	2.0E-01			NC
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	8.65E+01			0.0E+00	5.0E+01			NC
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	1.37E+02			0.0E+00	7.0E-01			NC
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	1.21E+02			0.0E+00	2.0E-01			NC
76131	1,1,2-Trichloro-1,2,2-trifluoroethan	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	1.87E+02			0.0E+00	3.0E+01			NC
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	**1.6E-03**	1.8E-03	3.73E+02		X	1.3E-03	1.8E-03		X	**1.23**
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	2.73E+02			0.0E+00	2.0E-04			NC
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	7.41E+01		X	0.0E+00	1.1E+00		X	NC
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	**1.0E-05**	4.0E-03	1.13E+02	?		1.9E-05	4.0E-03	X		**0.52**
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	7.21E+01			0.0E+00	1.0E+00			NC
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	1.33E+02		X	1.6E-05	1.4E-02		X	**1.00**
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	**4.1E-06**	**2.0E-03**	1.31E+02	?		1.1E-04	4.0E-02	X		**0.04**
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	7.41E+01		X	0.0E+00	3.5E+00		X	NC
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	1.68E+02		X	5.8E-05	2.1E-01		X	**1.00**
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	8.91E+01			2.7E-03	2.0E-02			1.00
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	1.00E+02			0.0E+00	7.0E-01			NC
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	1.54E+02		X	0.0E+00	2.1E-01		X	NC
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	1.66E+02		X	0.0E+00	1.4E-01		X	NC
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	2.61E+02		X	2.2E-05	7.0E-04		X	1.00
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	1.37E+02		X	0.0E+00	3.5E-02		X	NC
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	**3.4E-05**	3.0E-03	1.28E+02			0.0E+00	3.0E-03			NC
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	1.42E+02		X	0.0E+00	7.0E-02		X	NC
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	1.54E+02		X	0.0E+00	1.8E-01		X	NC
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	2.0E-01	1.06E+02		?	0.0E+00	1.0E-01			NC
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	1.47E+02			0.0E+00	2.0E-01			NC
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	1.29E+02		X	0.0E+00	1.8E-02		X	NC
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	1.20E+02			0.0E+00	6.0E-03			NC
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	1.47E+02	X		5.7E-04	4.9E-03	X		1.00
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	8.61E+01		X	0.0E+00	1.1E-01		X	NC
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	1.14E+02		X	0.0E+00	3.2E-01		X	NC
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	1.34E+02		X	0.0E+00	1.4E-01		X	NC
98828	Cumene	4.89E+02	6.50E-02	7.10E-06	6.13E+01	4.74E+01	1.16E+00	25	425.56	631.10	10,335	0.0E+00	4.0E-01	1.20E+02			0.0E+00	4.0E-01			NC
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	1.20E+02		X	0.0E+00	3.5E-01		X	NC
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	1.23E+02			0.0E+00	2.0E-03			NC
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	1.06E+02			0.0E+00	1.0E+00			NC
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**	1.04E+02			0.0E+00	1.0E+00			NC
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	1.27E+02	?		4.9E-05	0.0E+00	X		**1.00**
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	1.06E+02		X	0.0E+00	3.5E-01		X	NC
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	1.20E+02		X	0.0E+00	1.4E-01		X	NC
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	1.34E+02		X	0.0E+00	1.4E-01		X	NC
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	1.06E+02		?	0.0E+00	1.0E-01			NC
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	**1.1E-05**	**8.0E-01**	1.47E+02			0.0E+00	8.0E-01			**CalEPA only**
106934	1,2-Dibromoethane (ethylene dibro	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	**7.1E-05**	**8.0E-04**	1.88E+02			6.0E-04	9.0E-03			**0.12**
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	**1.7E-04**	2.0E-03	5.41E+01			3.0E-05	0.0E+00			**5.67**
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	5.61E+01			0.0E+00	2.0E-05			NC
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	**2.1E-05**	**4.0E-01**	9.90E+01			2.6E-05	0.0E+00			**0.81**
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	**2.9E-04**	2.0E-03	5.31E+01			6.8E-05	2.0E-03			**4.26**
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**	8.61E+01			0.0E+00	2.0E-01			NC
108101	Methylisobutylketone (4-methyl-2-p	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	1.00E+02			0.0E+00	8.0E-02			NC
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	1.06E+02		?	0.0E+00	1.0E-01			NC
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	1.20E+02			0.0E+00	6.0E-03			NC
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	9.82E+01			0.0E+00	3.0E+00			NC
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**	9.21E+01			0.0E+00	4.0E-01			NC
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	**1.0E+00**	1.13E+02			0.0E+00	6.0E-02			NC
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	9.26E+01		X	0.0E+00	1.4E+00		X	NC
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	6.81E+01		X	0.0E+00	3.5E-03		X	NC
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	8.62E+01			0.0E+00	2.0E-01			NC
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	**7.1E-04**	0.0E+00	1.43E+02			3.3E-04	0.0E+00			**2.15**
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	4.07E+02		X	0.0E+00	2.1E-02		X	NC
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	**5.1E-04**	2.8E-03	2.85E+02		X	4.6E-04	2.8E-03		X	**1.11**
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	2.0E-01	1.81E+02			0.0E+00	2.0E-01			NC
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	7.01E+01	X		5.4E-04	0.0E+00	X		1.00
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	**2.7E-05**	7.0E-02	2.08E+02	?	X	2.4E-05	7.0E-02	X	X	**1.13**
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	6.71E+01			0.0E+00	7.0E-04			NC
126998	2-Chloro-1,3-butadiene (chloropre	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	8.85E+01			0.0E+00	7.0E-03			NC
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**	1.66E+02			3.0E-06	0.0E+00			**0.09**
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	2.02E+02		X	0.0E+00	1.1E-01		X	NC
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	1.68E+02		X	0.0E+00	1.4E-02		X	NC
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	1.34E+02		X	0.0E+00	1.4E-01		X	NC
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	8.81E+01		X	0.0E+00	3.2E+00		X	NC
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	0.0E+00	9.69E+01		X	0.0E+00	3.5E-02		X	NC
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	9.69E+01		X	0.0E+00	7.0E-02		X	NC
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	**1.1E-04**	0.0E+00	2.52E+02	?		2.1E-04	0.0E+00	X		**0.53**
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	**1.1E-05**	0.0E+00	2.28E+02	?		2.1E-06	0.0E+00	X		**5.26**
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	3.65E+02		X	4.9E-03	1.1E-04		X	**1.00**
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	**7.7E-04**	0.0E+00	2.91E+02			1.8E-03	0.0E+00			**0.43**
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	1.47E+02		X	0.0E+00	1.1E-01		X	NC
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	**1.6E-05**	2.0E-02	1.11E+02			4.0E-06	2.0E-02			**4.00**
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	1.68E+02		X	7.4E-06	1.1E-01		X	1.00
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	**2.6E-07**	3.0E+00	8.82E+01			0.0E+00	3.0E+00			**CalEPA only**
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	**9.0E-05**	2.01E+02			0.0E+00	3.0E-04			NC

Appendix C
2014 Soil Sample Analytical Results for SWMU 127
Cannon Air Force Base

		Station Name		127-SB19		127-SB20		127-SB21		127-SB22		127-SB23	
		Field Sample ID		127-SB19-00		127-SB20-00		127-SB21-00		127-SB22-00		127-SB23-00	
		Sample Date		8/25/2014 10:50		8/25/2014 11:42		8/25/2014 11:31		8/25/2014 11:09		8/26/2014 16:38	
		Depth		0 - 0.5 FT		0 - 0.5 FT		0 - 0.5 FT		0 - 0.5 FT		1.5 - 2.5 FT	
		NMED SSL Concentration [1]											
Analyte	Units	Residential	Industrial	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual
Polycyclic Aromatic Hydrocarbons (PAH)													
2-METHYLNAPHTHALENE	µg/kg	2.30E+05 [2]	2.20E+06 [2]	7.10E+01	J	1.50E+00	U	2.90E+00		3.70E+01	J		
ACENAPHTHENE	µg/kg	3.44E+06	3.67E+07	5.80E+02		1.30E+00	J	7.70E-01	J	3.20E+02			
ACENAPHTHYLENE	µg/kg	Not Est.	Not Est.	1.10E+03		1.20E+00	J	1.10E+00	J	5.50E+02			
ANTHRACENE	µg/kg	1.72E+07	1.83E+08	4.40E+03		4.30E+00		4.50E+00		2.70E+03			
BENZO(A)ANTHRACENE	µg/kg	1.48E+03	2.34E+04	4.40E+04		4.90E+01		4.40E+01		2.40E+04			
BENZO(A)PYRENE	µg/kg	1.48E+02	2.34E+03	5.70E+04		8.10E+01		7.40E+01		3.10E+04			
BENZO(B)FLUORANTHENE	µg/kg	1.48E+03	2.34E+04	9.30E+04		1.40E+02		1.30E+02		5.00E+04			
BENZO(G,H,I)PERYLENE	µg/kg	Not Est.	Not Est.	3.90E+04		7.40E+01		6.20E+01		2.10E+04			
BENZO(K)FLUORANTHENE	µg/kg	1.48E+04	2.34E+05	2.70E+04		4.70E+01		4.50E+01		1.40E+04			
CHRYSENE	µg/kg	1.48E+05	2.34E+06	6.80E+04		9.60E+01		9.00E+01		3.70E+04			
DIBENZ(A,H)ANTHRACENE	µg/kg	1.48E+02	2.34E+03	1.00E+04		1.30E+01		1.10E+01		4.70E+03			
FLUORANTHENE	µg/kg	2.29E+06	2.44E+07	1.20E+05		1.50E+02		1.30E+02		6.50E+04			
FLUORENE	µg/kg	2.29E+06	2.44E+07	7.70E+02		1.20E+00	U	7.60E-01	U	4.60E+02			
INDENO(1,2,3-C,D)PYRENE	µg/kg	1.48E+03	2.34E+04	5.10E+04		9.00E+01		7.50E+01		3.00E+04			
NAPHTHALENE	µg/kg	4.30E+04	2.41E+05	1.50E+02		1.40E+00	J	2.00E+00	J	7.90E+01			
PHENANTHRENE	µg/kg	1.83E+06	2.05E+07	4.00E+04		5.30E+01		4.30E+01		2.20E+04			
PYRENE	µg/kg	1.72E+06	1.83E+07	9.90E+04		1.40E+02		1.10E+02		5.80E+04			
E160.3													
TOTAL SOLIDS	percent	Not Est.	Not Est.	97.2		92.7		96.5		98.3		86.5	
SW8015C													
Diesel Range Organics (TPH-DRO)	mg/kg	1.00E+03	1.00E+03									6.10E+00	J
Gasoline Range Organics (TPH-GRO)	mg/kg	1.00E+03	1.00E+03									1.50E+00	U
Residual Range Organics (TPH-RRO)	mg/kg	1.00E+03	1.00E+03									6.60E+00	U

Notes:

[1] 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.

[2] No NMED SSL Established. U.S. Environmental Protection Agency (EPA), 2013. Regions 3, 6, and 9 Regional Screening Levels for Chemical Contaminants at Superfund Sites, May.

J - Concentration is estimated

U - Concentration was not detected above the detection limit shown

Valid Qual - Validation Qualifier

µg/kg - micrograms per kilogram

mg/kg - milligrams per kilogram

Shaded results exceed the NMED SSL for that compound

Appendix C
2014 Soil Gas Sample Analytical Results at SWMU 127
Cannon Air Force Base

	Station Name	127-SV01		127-SV01		127-SV02		127-SV02		127-SV03		127-SV03		127-SV04		127-SV04		127-SV05		127-SV05		127-SV06		127-SV06		127-SV07		127-SV07		127-SV08		127-SV08		127-SV09		127-SV09		127-SV10		127-SV10		127-SV11		127-SV11	
	Field Sample ID	127-SV01-05		127-SV01-10		127-SV02-05		127-SV02-10		127-SV03-05		127-SV03-10		127-SV04-05		127-SV04-10		127-SV05-05		127-SV05-10		127-SV06-05		127-SV06-10		127-SV07-05		127-SV07-10		127-SV08-05		127-SV08-10		127-SV09-05		127-SV09-10		127-SV10-05		127-SV10-10		127-SV11-05		127-SV11-10	
	Sample Date	8/25/2014 15:39		8/25/2014 16:21		8/26/2014 8:20		8/26/2014 9:00		8/26/2014 9:32		8/26/2014 10:05		8/26/2014 10:50		8/26/2014 11:35		8/26/2014 13:45		8/26/2014 14:11		8/26/2014 14:40		8/27/2014 7:17		8/27/2014 7:45		8/27/2014 8:25		8/27/2014 8:55		8/27/2014 9:20		8/27/2014 9:46		8/27/2014 10:15		8/27/2014 10:45		8/27/2014 11:20		8/27/2014 11:50		8/27/2014 12:15	
	Depth	5 FT		10 FT		5 FT		10 FT		5 FT		10 FT		5 FT		10 FT		5 FT		10 FT		5 FT		10 FT		5 FT		10 FT		5 FT		10 FT		5 FT		10 FT		5 FT		10 FT		5 FT		10 FT	
Analyte	Units	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual	Result	Valid Qual
E3C																																													
CARBON DIOXIDE	%V/V	5.28E-01		2.98E-01		1.53E+00		6.91E-01		3.42E-01		1.08E+00		1.38E+00		1.38E+00		2.03E+00		1.86E+00		1.80E-01	U	1.20E+00		1.60E-01	U	1.60E-01	U	1.70E-01	U	1.70E-01	U	1.42E+00		1.38E+00		8.62E-01		1.53E+00		2.57E+00		1.70E-01	U
CARBON MONOXIDE	%V/V	1.70E-01	U	1.40E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.60E-01	U	1.80E-01	U	1.90E-01	U	1.80E-01	U	1.80E-01	U	1.80E-01	U	1.70E-01	U	1.60E-01	U	1.60E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.80E-01	U	1.70E-01	U
HYDROGEN	%V/V	1.70E-01	U	1.40E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.60E-01	U	1.80E-01	U	1.90E-01	U	1.80E-01	U	1.80E-01	U	1.80E-01	U	1.70E-01	U	1.60E-01	U	1.60E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.80E-01	U	1.70E-01	U
METHANE	%V/V	1.70E-01	U	1.40E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.60E-01	U	1.80E-01	U	1.90E-01	U	1.80E-01	U	1.80E-01	U	1.80E-01	U	1.70E-01	U	1.60E-01	U	1.60E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.70E-01	U	1.80E-01	U	1.70E-01	U
NITROGEN, NITRATE (AS N)	%V/V	7.79E+01		7.80E+01		7.74E+01		7.79E+01		7.79E+01		7.78E+01		7.72E+01		7.77E+01		7.74E+01		7.77E+01		7.80E+01		7.78E+01		7.81E+01		7.80E+01		7.81E+01		7.81E+01		7.74E+01		7.77E+01		7.77E+01		7.74E+01		7.81E+01	
OXYGEN + ARGON	%V/V	2.16E+01		2.17E+01		2.11E+01		2.14E+01		2.18E+01		2.11E+01		2.14E+01		2.09E+01		2.05E+01		2.04E+01		2.19E+01		2.10E+01		2.18E+01		2.19E+01		2.18E+01		2.19E+01		2.12E+01		2.09E+01		2.14E+01		2.08E+01		2.01E+01		2.19E+01	
MADEPVP																																													
VOLATILE PETROLEUM HYDROCARBONS C5-C8 ALIPHATIC	µg/m³	1.90E+02		2.00E+02		1.20E+02		2.20E+02		1.50E+02		4.90E+02		1.80E+02		2.10E+02		2.70E+02		2.50E+02		2.10E+02		1.60E+02		4.70E+02		1.40E+03		4.50E+02		3.90E+02		1.40E+03		2.70E+02		1.40E+03		2.30E+02		3.60E+02		4.40E+02	
VOLATILE PETROLEUM HYDROCARBONS C9-C10 AROMATIC	µg/m³	2.90E+01		8.60E+00	U	1.00E+01	U	1.10E+01	U	1.10E+01	U	1.00E+01	U	1.10E+01	U	1.60E+01	U	1.10E+01	U	1.10E+01	U	3.80E+01		3.60E+01		6.60E+01		2.30E+02		5.50E+01		2.40E+01		1.80E+01		1.30E+01		9.40E+01		1.80E+01		1.60E+01		1.50E+01	
VOLATILE PETROLEUM HYDROCARBONS C9-C12 ALIPHATIC	µg/m³	2.00E+02		4.30E+01		4.90E+01		6.50E+01		4.30E+01	U	5.30E+01		6.60E+01		6.70E+01		8.80E+01		4.60E+01	U	4.40E+01	U	9.10E+01		4.00E+03		5.30E+03		3.50E+03		2.40E+03		3.50E+03		2.80E+03		4.30E+03		3.10E+03		5.10E+03		5.90E+03	
TO15																																													
1,1,1-TRICHLOROETHANE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
1,1,2,2-TETRACHLOROETHANE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
1,1,2-TRICHLOROETHANE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
1,1-DICHLOROETHANE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
1,1-DICHLOROETHENE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
1,2-DICHLOROETHANE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
1,2-DICHLOROPROPANE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	7.10E-01	J	1.00E+00	J	7.70E-01	J	1.00E+00	J	1.10E+00	J	8.90E-01	J	2.10E+00	U	9.10E-01	J	8.50E-01	J	1.00E+00	J
2-HEXANONE	µg/m³	4.80E+00		9.00E-01	J	9.20E-01	J	1.50E+00	J	2.90E+00		4.60E+00		1.70E+00	J	3.10E+00	U	3.30E+00		1.80E+00	J	2.20E+00	U	2.40E+00		2.80E+00		2.00E+00	U	2.80E+00		2.20E+00		2.10E+00	U	2.10E+00	U	2.10E+00	U	1.30E+00	J	2.40E+00		2.10E+00	U
ACETONE	µg/m³	4.20E+02		1.00E+02		8.60E+01		1.90E+02		2.60E+02		3.60E+02		2.00E+02		1.00E+02		1.80E+02		1.30E+02		6.40E+01		1.10E+02		1.60E+02		2.00E+02		2.40E+02		1.90E+02		1.40E+02		1.30E+02		1.80E+02		1.10E+02		1.60E+02		1.30E+02	
BENZENE	µg/m³	1.70E+00	J	1.70E+00	J	9.40E-01	J	1.30E+00	J	1.10E+00	J	6.70E+00		2.00E+00	J	3.10E+00	U	9.50E-01	J	9.60E-01	J	2.80E+00		1.10E+00	J	3.30E+00		2.00E+00	J	1.90E+00	J	1.60E+00	J	1.70E+00	J	1.40E+00	J	3.90E+00	J	1.10E+00	J	1.70E+00	J	2.40E+00	
BROMODICHLOROMETHANE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
BROMOFORM	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
BROMOMETHANE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
CARBON DISULFIDE	µg/m³	3.80E+00	J	1.50E+00	J	9.80E-01	J	1.10E+00	J	2.80E+00	J	2.80E+00	J	4.20E+00	J	1.40E+00	J	2.00E+00	J	8.10E-01	J	8.10E-01	J	1.00E+00	J	2.70E+00	J	1.30E+00	J	1.50E+00	J	1.50E+00	J	2.00E+00	J	3.10E+00	J	2.10E+00	J	1.20E+00	J	1.80E+00	J	8.50E-01	J
CARBON TETRACHLORIDE	µg/m³	7.60E-01	J	6.30E-01	J	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	7.40E-01	J	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
CHLOROBENZENE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
CHLOROETHANE	µg/m³	1.00E+00	J	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
CHLOROFORM	µg/m³	7.80E-01	J	1.70E+00	U	2.10E+00	U	1.30E+00	J	2.20E+00	U	1.10E+00	J	2.30E+00	U	2.30E+00	J	2.30E+00	U	3.50E+00		2.20E+00	U	1.60E+00	J	1.90E+00	U	2.00E+00	U	2.10E+00	U	7.10E-01	J	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
CHLOROMETHANE	µg/m³	1.60E+00	J	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	7.50E-01	J	7.80E-01	J	6.50E-01	J	7.40E-01	J	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	8.70E-01	J
CIS-1,2-DICHLOROETHYLENE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	3.80E+00		2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
CIS-1,3-DICHLOROPROPENE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
DIBROMOCHLOROMETHANE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
ETHYLBENZENE	µg/m³	2.20E+00	U	6.50E-01	J	2.10E+00	U	2.10E+00	U	2.20E+00	U	7.30E-01	J	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	3.90E+00		6.60E+00		4.40E+00		4.50E+00		4.40E+00		3.40E+00		6.70E+00		3.70E+00		3.50E+00		3.90E+00	
M,P-XYLENE (SUM OF ISOMERS)	µg/m³	4.40E+00	U	1.70E+00	J	4.20E+00	U	4.30E+00	U	4.30E+00	U	1.40E+00	J	4.50E+00	U	6.20E+00	U	4.60E+00	U	4.60E+00	U	4.40E+00	U	4.30E+00	U	1.20E+01		2.20E+01		1.40E+01		1.30E+01		1.30E+01		9.80E+00		2.50E+01		1.20E+01		1.10E+01		1.10E+01	
METHYL ETHYL KETONE (2-BUTANONE)	µg/m³	3.30E+01		2.50E+01		1.90E+01	J	3.70E+01		5.20E+01		7.30E+01		4.30E+01		2.10E+01	J	4.10E+01		2.00E+01	J	1.60E+01	J	2.60E+01		4.00E+01		2.00E+01	J	3.10E+01		1.80E+01	J	2.00E+01	J	1.90E+01	J	3.10E+01		1.20E+01	J	3.10E+01		1.60E+01	J
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/m³	6.10E+00		8.90E-01	J	7.70E-01	J	1.20E+00	J	2.00E+00	J	3.40E+00		1.30E+00	J	3.10E+00	U	1.90E+00	J	1.30E+00	J	7.70E-01	J	1.50E+00	J	1.60E+00	J	1.50E+00	J	1.70E+00	J	1.50E+00	J	1.40E+00	J	1.10E+00	J	1.50E+00	J	8.00E-01	J	1.50E+00	J	1.30E+00	J
METHYLENE CHLORIDE	µg/m³	7.50E-01	J	3.60E+00		2.10E+00	U	2.10E+00	U	2.20E+00	U	8.20E-01	J	1.20E+00	J	1.30E+00	J	2.30E+00		2.90E+00		5.10E+00		4.40E+00		6.90E-01	J	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.90E+00		2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
O-XYLENE (1,2-DIMETHYLBENZENE)	µg/m³	2.20E+00	U	8.90E-01	J	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	4.80E+00		1.10E+01		4.80E+00		4.50E+00		4.10E+00		3.20E+00		1.00E+01		3.90E+00		3.60E+00		3.60E+00	
STYRENE	µg/m³	8.00E-01	J	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	2.10E+00		2.40E+00		2.30E+00		2.20E+00		2.20E+00		1.90E+00	J	3.40E+00	J	2.10E+00		2.40E+00		2.70E+00	
TETRACHLOROETHYLENE(PCE)	µg/m³	5.00E+00		6.00E+00		1.20E+01		8.80E+00		1.90E+00	J	9.80E+00		9.50E+00		2.40E+01		2.90E+01		3.40E+01		2.20E+00	U	1.90E+01		9.60E-01	J	9.70E-01	J	7.40E-01	J	4.10E+00		3.30E+00		1.40E+01		7.60E+00		1.60E+01		2.80E+01		2.10E+00	U
TOLUENE	µg/m³	1.40E+00	J	6.90E+00		1.30E+00	J	1.70E+00	J	1.20E+00	J	6.30E+00		1.80E+00	J	3.10E+00	U	1.00E+00	J	2.30E+00	U	2.90E+00		2.20E+00		3.80E+01		3.30E+01		3.10E+01		3.40E+01		3.40E+01		3.00E+01		2.60E+01		2.90E+01		2.80E+01		3.40E+01	
TRANS-1,2-DICHLOROETHENE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
TRANS-1,3-DICHLOROPROPENE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
TRICHLOROETHYLENE (TCE)	µg/m³	1.20E+02		1.80E+02		1.60E+02		2.90E+02		2.60E+01		3.10E+02		6.00E+01		5.20E+02		2.80E+02		9.20E+02		7.20E-01	J	4.50E+02		5.60E+00		1.60E+00	J	4.40E+00		3.30E+00		3.20E+01		3.90E+02		8.20E+01		4.40E+02		2.40E+02		1.80E+00	J
VINYL ACETATE	µg/m³	1.80E+01	J	1.50E+01	J	9.00E+00	J	1.40E+01	J	1.40E+01	J	3.30E+01		2.10E+01	J	1.40E+01	J	3.90E+01		2.30E+01		1.10E+01	J	2.50E+01		2.40E+01		8.90E+00	J	2.20E+01		9.40E+00	J	4.40E+01		2.10E+01	J	1.50E+01	J	8.30E+00	J	1.80E+01	J	1.00E+01	J
VINYL CHLORIDE	µg/m³	2.20E+00	U	1.70E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.00E+00	U	2.30E+00	U	3.10E+00	U	2.30E+00	U	2.30E+00	U	2.20E+00	U	2.10E+00	U	1.90E+00	U	2.00E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.10E+00	U	2.20E+00	U	2.10E+00	U
TO3																																													
GASOLINE COMPONENTS	mg/m³	4.10E+00	J	2.50E+01	U	3.00E+01	U	3.10E+01	U	2.60E+00	J	2.90E+01	U	3.20E+01	U	3.40E+01	U	3.30E+01	U	3.30E+01	U	3.20E+01	U	3.10E+01	U	5.50E+00	J	7.70E+00	J	4.60E+00	J	2.70E+00	J	5.00E+00	J	2.70E+00	J	8.40E+00	J	5.60E+00	J	6.70E+00	J	8.20E+00	J

Notes:

J - Concentration is estimated

U - Concentration was not detected above the detection limit shown

Valid Qual - Validation Qualifier

µg/m³ - micrograms per cubic meter

mg/m³ - milligrams per cubic meter

CB&I Federal Services LLC
One Westchase Center
10777 Westheimer, Suite 170
Houston, Texas 77042
Tel: 713 243-7095
www.CBI.com

November 24~~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: Revised 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 revised 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) and to address New Mexico Environment Department (NMED) review comments dated August 7, 2014.~~).~~ 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.

1.0 Background

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.

2.0 Human Health Risk Screening Evaluation

This human health risk screening evaluation examines organics in soil, inorganics in soil, and soil vapor. The risk evaluations are presented in separate subsections as the analytical data are organized in this manner. A combined

human health risk evaluation, summing risks and hazards for organic and inorganic chemicals in all media, is presented in Section 2.6.

It should be noted that estimated risks and hazards are reported to two significant figures herein, to avoid an appearance of rounding errors (if only one significant figure was used) and to aid in the calculation of refined risks and/or hazards (e.g., target organ-specific noncancer hazards, resultant risks when discounting anthropogenic PAHs, resultant risks when substituting 95% UCL EPCs for maximum detected concentrations, etc.). In actuality, risk assessment is not an exact science, and estimated risks and hazards are typically only accurate to one significant figure.

2.1 Risk Screening Evaluation for Organics in Soil

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 soil dataset is summarized on the attached **Table 1** and **Table 11~~6~~** presents the entire dataset on compact disc (CD). The maximum detected soil 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).

Cumulative cancer risk and noncancer hazard calculations were performed for organic constituents (as shown in **Table 2**), using the maximum detected concentrations for all the soil data, including those detected constituents that both exceeded and did not exceed a risk-based screening value, per NMED (2012) Guidance. Based on this cumulative risk evaluation, the total estimated cancer risk for a future hypothetical residential land use scenario was 8.2E-4, while the estimated total noncancer hazard was 0.53. The estimated total cancer risk exceeded NMED's target cancer risk threshold of 1E-5, primarily due to the five PAHs listed previously. Benzo(a)pyrene and benzo(b)fluoranthene contributed the most to the total estimated cancer risk. The estimated noncancer hazard was acceptable, as it did not exceed 1.0. The total estimated cancer risk for a future industrial land use scenario was 5.4E-5, while the estimated total noncancer hazard was 0.09. The estimated total cancer risk for an industrial scenario also exceeded NMED's target cancer risk threshold of 1E-5, also due to the five PAHs listed previously. The estimated noncancer hazard was acceptable, as it did not exceed 1.0.

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 were~~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 PAH

detections exceeding the SSLs and the lack of confirmation during~~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. Based on NMED review comments on the initial version of this Letter Report, it was suggested that site-specific background soil samples be collected proximate to the site to support the assertion that PAHs are related to anthropogenic background (e.g., runoff from asphalt roadways). This background sampling was performed in August 2014 and results are discussed in the following subsections~~There were no VOCs or metals analytes that exceeded the residential SSLs~~.

2.2 New Soil Samples

Four site-specific background surface soil samples (0 to 0.5 feet) were collected August 25, 2014 proximate to SWMU 127 (**Figure 1**) and analyzed for PAHs via Method 8270 SIM to confirm that the previously detected PAHs in shallow soil were related to background, as discussed previously in Section 2.1. In addition, one sample and a field duplicate were collected on August 26, 2014 from just beneath the concrete pad from a depth of 1.5 to 2.5 feet and analyzed for Gasoline Range Organics, Diesel Range Organics, and Residual Range Organics via Method 160.3 to confirm the historical sample results that reported very low TPH concentrations. TPH samples results from 127-SB23 results were nondetect and thus did confirm low concentrations

The background sample locations were selected proximate to the site, within slight depressions that run parallel to existing asphalt roadways, and far enough from the site as to preclude potential migration of site PAHs to these background areas. Analytical results from this sampling event are presented on the CD as **Appendix C**. Using the PAH background sample results, upper tolerance limits (UTLs) were calculated following NMED (2012). These UTLs are summarized in **Table 3**, based on statistical output from ProUCL software, v. 5.0.00 (EPA, 2014) presented in **Appendix A-1**. As shown in **Table 4**, the maximum detected site concentration of 15 of the 17 PAH compounds at SWMU 127 (except 2-methylnaphthalene and naphthalene) are below site-specific background. This finding is based on a comparison of the site maximum detected concentration with either the calculated background UTL or the maximum background detected concentration.

2.3 Refined Risk Screening Evaluation for Soil Organics

As 15 of the site PAH compounds (i.e., acenaphthene, acenaphthylene, anthracene, , benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo(g,h,i)perylene, benzo[k]fluoranthene, chrysene, dibenzo[ah]anthracene, fluoranthene, fluorene, indeno[1,2,3-cd]pyrene, , phenanthrene, and pyrene) were found to be below site-specific background, the risk associated with these background PAHs was subtracted from the total estimated site risk. As shown at the end of **Table 2**, the total estimated site cancer risk for a future hypothetical residential land use scenario without background PAHs was 1.6E-5, while the total estimated site cancer risk for a future industrial land use scenario without background PAHs was 2.8E-6. As the estimated residential cancer risk still exceeded NMED's target risk threshold of 1E-5, further evaluation is warranted. It should be noted that background PAHs were not discounted in the initial risk and hazard calculations (Section 2.1 and 2.2) because NMED (2012) only allows inorganics to be discounted prior to the risk screening, and states "if there is site history to indicate a chemical was potentially used/present at a site, and the chemical was detected in at least one sample, this chemical must be included as a COPC and evaluated in the screening assessment."

The three COPCs in soil contributing the most to the future hypothetical residential land use scenario risk of 1.6E-5 (without the 15 background PAHs), were benzene, ethylbenzene, and naphthalene (**Table 2**). Rather than using the maximum detected concentration for these three COPCs in the cumulative risk evaluation, a refined assessment using the 95% upper confidence limit (UCL) on the mean is recommended. Based on soil sample results for the 0 to 10 foot bgs depth interval (a depth interval potentially available for future residential exposure, assuming the site is redeveloped for residential land use and home construction brings subsurface soils to the surface), these three COPCs had frequencies of detection of 1 out of 62, 2 out of 62, and 1 out of 68, respectively (**Appendix A-2**). Using EPA's ProUCL statistical software (v5.0.00) (EPA, 2014), the estimated 95% UCL for ethylbenzene was 6,271 µg/kg. However, the 95% UCLs were not calculated by ProUCL for benzene and naphthalene due to only one distinct value being detected (**Appendix A-2**). When only one detected result is available, ProUCL does not calculate a 95% UCL and states "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)." Therefore, as a conservative approach, the maximum detected concentrations of benzene and naphthalene were retained as EPCs in this refined assessment.

For data sets with non-detects with multiple detection limits (as is the case for ethylbenzene for SWMU 127 soil data), ProUCL uses the Kaplan-Meier (KM) estimation method to derive a recommended 95% UCL (EPA, 2014). For ethylbenzene the 95% UCL was based on the 95% KM Chebyshev statistic (**Appendix A-2**).

As the estimated residential cancer risk for ethylbenzene using the maximum detected concentration of 54,000 µg/kg was 7.9E-6 (**Table 2**), and the estimated cancer risk associated with the 95% UCL of 6,271 µg/kg is 9.2E-7 (6,271 µg/kg/54,000 µg/kg × 7.9E-6), the total estimated residential cancer risk (without the 15 background PAHs) may be reduced by 7.0E-6 (7.9E-6 – 9.2E-7). Therefore, the estimated residential cancer risk (without background PAHs, but with the 95% UCL for ethylbenzene) is 9.0E-6 (1.6E-5 – 7.0E-6). As 9.0E-6 is less than NMED's target risk threshold of 1E-5, future hypothetical residential risk is acceptable.

It should be noted that this estimated residential cancer risk of 9.0E-6 (discussed above) is conservative because exposure point concentrations for benzene and naphthalene are expected to be considerably lower than the maximum detected concentrations of 3,800 mg/kg and 21,000 mg/kg because (1) the maximum concentrations detected in surface soil recorded in 1994 are likely to be lower due to weathering and volatilization; and (2) the mean exposure point concentrations, using the entire soil data set, are 106 mg/kg and 793 mg/kg, respectively, that are approximately 36-fold and 26-fold lower than the maximums.

It is possible that future residents may only be exposed to COPCs in surface soil, not total soil, assuming future home construction does not bring subsurface soils deeper than approximately 2 feet bgs to the surface. To address this uncertainty, the 95% UCL for ethylbenzene is also estimated using just surface soil sample results from 0-2 feet bgs, as discussed in the Risk Evaluation Uncertainty Analysis (Section 2.8).

2.4 Risk Screening Evaluation for Inorganics in Soil

Although there were no metal analytes that exceeded the residential SSLs, cumulative cancer risk and noncancer hazard calculations were performed for the metal constituents (as shown in **Table 5**), using the maximum detected concentrations for all the soil data, including those detected constituents that both exceeded and did not exceed a risk-based screening value, per NMED (2012) Guidance. However, metals found to be related to background

were excluded from the cumulative risk and hazard calculations, as allowed by NMED (2012). The screen values for background metals were the UTLs from the Cannon Air Force Base Background Study (Cannon AFB, 1997). Of the 20 detected metals in SWMU 127 soil samples, ten were determined to be related to background (**Table 5**). Excluding these background-related metals, the total estimated cancer risk for a future hypothetical residential land use scenario is zero (as the only carcinogen [arsenic] was determined to be related to background), and the estimated total noncancer hazard is 0.83. The future industrial hazards are even lower (0.06). These metal risks and hazards are acceptable.

For informational purposes, the total estimated cancer risk for a future hypothetical residential land use scenario including background metals was 7.7E-6, while the estimated total noncancer hazard was 1.6. The total estimated cancer risk for a future industrial land use scenario including background metals was 1.7E-6, while the estimated total noncancer hazard was 0.11 (**Table 5**).

2.5 Risk Screening Evaluation for Organics in Soil Vapor and New Soil Vapor Samples

The NMED requested an evaluation of the vapor intrusion (VI) pathway for VOCs due to elevated benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations detected in the 1993 and 1994 sampling. The VI pathway was initially evaluated using soil data and the Johnson & Ettinger Soil Model (SL-SCREEN Version 3.1, 2004). However, subsequent review comments (NMED, 2014) requested the collection of soil vapor data for evaluation of the VI pathway. Therefore, 22 soil vapor samples were collected at the site in August 2014, 11 samples from a depth of 5 feet bgs and 11 samples from a depth of 10 feet bgs. A field duplicate was collected for quality control purposes. Results of the detected VOCs are presented in **Table 6**, ranked from highest to lowest for each parameter. Twenty detected VOCs were entered into the Johnson & Ettinger Soil Vapor Model (SV-ADVANCED Version 2.0, 2003), modified to accept multiple chemicals (**Appendix B-1**). Future hypothetical residential risks and hazards were estimated, using the maximum detected concentrations in the 5 foot samples, as well as in the 10 foot samples. Soil type was set equal to sand. Inhalation toxicity data were obtained from EPA's May 2013 Regional Screening Level Table (to be consistent with the date of screening levels used in **Table 1**). When one of the 20 detected VOCs was not detected in one of the depth intervals, the reporting limit was used as a surrogate concentration (i.e., for bromoform and chloroethane in the 10 foot samples and for cis-1,2-dichlorothene in the 5 foot samples). Several parameter results were not used in the VI assessment, as discussed in the following bullets:

- TPH fraction results, including c5-c8 aliphatics, c9-c10 aromatics, c9-c12 aliphatics, and TPH gasoline, were not used, as VI transport properties such as Henry's Law are not readily available for these types of mixture results. In addition, as a full suite of VOC soil vapor results are available, use of conservative surrogates for TPH mixtures are not needed.
- Results for 2-hexanone were not used, as this parameter is not included in the Johnson & Ettinger Soil Vapor Model. As the maximum detected concentration of this parameter was 4.8 $\mu g/m^3$ in a 5 foot sample, and the residential indoor air screening concentration is 31 $\mu g/m^3$, the discounting of the parameters is deemed minor.
- Results for o-xylene were added to results for m,p-xylene, as the latter is not included in the Johnson & Ettinger Soil Vapor Model. As the toxicity reference concentration for both of these parameters is the same (0.2 mg/m^3), this approach is deemed appropriate.

Based on the results of the VI assessments (**Appendix B-1**), the total estimated future hypothetical residential cancer risk was 4.2E-7 based on the 5 foot sample results, while the total estimated noncancer hazard index was 0.11. Using the 10 foot sample results, the total estimated future hypothetical residential cancer risk was 7.8E-7, while the total estimated noncancer hazard index was 0.21. The risk and hazard driver for both the 5 and 10 foot sampling intervals was trichloroethene. A future industrial risk evaluation for VI was not performed, as the residential risks and hazards were acceptable (i.e., total cancer risk was less than NMED's target risk threshold of 1E-5 and the total hazard index was below 1.0).

2.6 Cumulative Risk Screening Evaluation

To consider potential combined risks and hazards for all media, **Table 7** presents cumulative risks and hazards for a future hypothetical residential land use scenario. The total estimated cumulative cancer risk is 9.8E-6, which is below NMED's target cancer risk threshold of 1E-5. The total estimated cumulative noncancer hazard is 1.6, which slightly exceeds NMED's target noncancer hazard threshold of 1.0. Therefore, a further segregation of the estimated total hazard index by target organ was performed. As shown in the table, as only two COPCs affect the kidney (toluene and barium), the combined HI is 0.12. In addition, as only two COPCs affect the nervous system (aluminum and manganese), the combined HI is 0.37. All other hazard drivers in soil and soil vapor affect different target organs and thus adverse effects are not additive. Therefore, after discounting toluene and barium, and aluminum and manganese (that affect the kidney and nervous system, respectively), none of the remaining COPCs had an HQ that exceeded 1.0. Based on this evaluation of total hazards segregated by target organ, estimated future residential hazards are acceptable.

2.7 Risk Screening Evaluation for Potential Leaching for COPCs

An evaluation of potential leaching of COPCs from soil to groundwater was performed. As recommended in NMED (2012), leaching soil screening levels (SSLs) based on a dilution attenuation factor (DAF) of 20 were used. SSLs based on a DAF of 20 are default SSLs that should be applicable at most sites, to account for natural processes that reduce contaminant concentrations in the subsurface. As stated in NMED (2012), SSLs based on a DAF of 1 should only be considered at sites where little or no dilution or attenuation of soil leachate concentrations is expected (e.g., shallow water tables, karst topography), which is not the case for SWMU 127.

For the organic chemicals in soil, the maximum detected concentrations of nine COPCs exceeded SSLs protective of groundwater resources, including benzene, ethylbenzene, toluene, xylenes, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, 2-methylnaphthalene, and naphthalene (**Table 8**). The magnitude of exceedances ranged from a low of 3.2-fold for toluene to a high of 295-fold for naphthalene. For metals, the maximum detected concentrations of two COPCs exceeded SSLs protective of groundwater resources, including arsenic and cobalt (**Table 9**). The magnitude of exceedances ranged from a low of 1.9-fold for cobalt to a high of 12-fold for arsenic. However, as arsenic was determined to be related to background (the maximum detected concentration of 3.0 mg/kg was below the UTLs that ranged from 3.6 mg/kg to 4.3 mg/kg (**Table 9**), this metal is not a concern for leaching. For cobalt, the maximum detected concentration of 8 mg/kg exceeded the SSL of 4.2 mg/kg, as well as exceeded the background UTL range of 4.7 mg/kg to 6.6 mg/kg.

The depth to groundwater at the site is approximately 300 feet bgs, the nearest groundwater supply well is screened at 360-410 feet bgs, and evapotranspiration rates are very high in the area. The maximum detected concentrations of the nine organic COPCs exceeding SSLs protective of groundwater resources were all detected

in surface soil (either 0 or 0-0.5 ft. bgs), which indicates these organics are unlikely to contribute to groundwater contamination. In addition, it should be noted that the depth of the single cobalt sample that exceeded the background range was sample CAN127-2709-0000 collected from a depth of 0 to 0.5 feet bgs (**Table 1**). As cobalt only exceeded the SSL in surface soil, this is further evidence that this metal is unlikely to contribute to groundwater contamination.

Therefore, adverse impacts to groundwater from leaching of COPCs in soil are considered to be highly unlikely.

2.8 Risk Screening Evaluation Uncertainty Analysis

This subsection discusses some uncertainties associated with the risk screening evaluation, including the use of total soil samples, and not surface soil samples, for a future residential exposure scenario (Section 2.8.1) and the size of the site compared with a potential future residential lot (Section 2.8.2).

2.8.1 Use of Total Soil Samples Compared with Surface Soil Samples for Residential Scenario

As discussed in Section 2.3, it is possible that future residents may only be exposed to COPCs in surface soil, not total soil, assuming future home construction does not bring subsurface soils deeper than approximately 2 feet bgs to the surface. To address this uncertainty, the 95% UCL for ethylbenzene was estimated using just the 28 surface soil sample results from approximately 0-2 feet bgs. Note: other COPCs are not addressed in this subsection because maximum detected concentrations from 0-10 feet bgs were used. The 95% UCL for ethylbenzene in surface soil was 18,796 µg/kg, based on a 97.5 KM Chebyshev UCL statistic, as recommended by ProUCL (**Appendix A-3**). As this UCL is greater that the UCL of 6,271 µg/kg estimated for total soil (0-10 ft. bgs; Section 2.3) by a factor of 3-fold, the estimated ethylbenzene risk would increase if only surface soil data were used.

An estimation of future residential risk using the surface soil EPC for ethylbenzene is presented in this paragraph (following the approach used previously in Section 2.3). As the estimated residential cancer risk for ethylbenzene using the maximum detected concentration of 54,000 µg/kg was 7.9E-6 (**Table 2**), and the estimated cancer risk associated with a surface soil 95% UCL of 18,796 µg/kg was 2.7E-6 (18,796 µg/kg/54,000 µg/kg × 7.9E-6), the total estimated residential cancer risk (without the 15 background PAHs) may be reduced by 5.2E-6 (7.9E-6 – 2.7E-6). Therefore, the estimated residential cancer risk (without background PAHs, but with the 95% UCL in surface soil for ethylbenzene) is 1.1E-5 (1.6E-5 – 5.2E-6). Although 1.1E-5 is slightly greater than NMED's target risk threshold of 1E-5, when rounded to one significant figure (as recommended for cancer risks per EPA 1989 [Page 8-12 and Exhibit 8-2]), it is considered equal to the NMED risk threshold. However, to be conservative, additional future hypothetical residential risk evaluation, including ethylbenzene in surface soil, is provided in the following three paragraphs.

The surface soil ethylbenzene EPC of 18,796 µg/kg is based on the 97.5 KM Chebyshev UCL statistic (**Appendix A-3**). Occasionally, ProUCL recommends the 97.5 or 99 percent upper confidence limit on the arithmetic mean estimated by the Chebyshev method. In these cases, the UCL estimated by the Chebyshev method (95th percent) may be selected as the EPC because this is more consistent with the intent of the reasonable maximum exposure paradigm as defined by EPA (1989; 1991). The 95 KM Chebyshev UCL statistics for ethylbenzene in surface soil is 13,745 µg/kg (**Appendix A-3**). As 13,745 µg/kg is lower than 18,796 µg/kg, the estimated future residential risk may be reduced, as estimated in the following paragraph.

As the estimated residential cancer risk for ethylbenzene using the maximum detected concentration of 54,000 µg/kg was 7.9E-6 (**Table 2**), and the estimated cancer risk associated with a surface soil 95% UCL (using the 95 KM Chebyshev statistic) of 13,745 µg/kg was 2.0E-6 (13,745 µg/kg/54,000 µg/kg × 7.9E-6), the total estimated residential cancer risk (without the 15 background PAHs) may be reduced by 5.9E-6 (7.9E-6 – 2.0E-6). Therefore, the estimated residential cancer risk (without background PAHs, but with the 95% KM Chebyshev UCL in surface soil for ethylbenzene) is 1.0E-5 (1.6E-5 – 5.9E-6). As 1.0E-5 does not exceed NMED's target risk threshold of 1E-5, future hypothetical residential risk including ethylbenzene in surface soil (not total sol) is acceptable.

When this revised estimate of future residential risk for organics in soil (1.0E-5) is considered for the combined risk evaluation (previously presented in **Table 7**), the cumulative cancer risk increases from 9.8E-6 to 1.1E-5. As 1.1E-5 slightly exceeds NMED's target risk threshold of 1E-5, further evaluation is performed, as a conservative approach. As the soil vapor VOC contributing the most to the total estimated VI risk was trichloroethene, and the risk was conservatively based on the maximum detected concentration of 920 µg/m^3 from a 10 foot bgs sample (127-SV05), a 95% UCL EPC was estimated for this VOC. Using the 10 soil vapor samples collected from the western portion of the site (**Figure 1**), that are within a 100 m^2 hypothetical future residence footprint, the estimated trichloroethene 95% UCL was 501 µg/m^3 (using the 10 foot bgs samples, that had higher concentrations than the 5 foot samples; **Appendix A-4**). Substituting this trichloroethene EPC for the maximum detected concentration used in the VI Model (**Appendix B-2**), the revised total estimated cancer risk is 4.4E-7. Therefore, the cumulative cancer risk for the site is 1.0E-5, using the ethylbenzene EPC for surface soil (discussed previously; 95 KM Chebyshev UCL) and the trichloroethene EPC for soil, as well as the maximum detected concentrations of all other COPCs (excluding background PAHs and metals). As 1.0E-5 does not exceed NMED's target risk threshold of 1E-5, future hypothetical residential risk for all COPCs in all media is acceptable (**Table 10**).

2.8.2 Comparison of the Size of the Site with a Future Residential Lot

The approximate area of SWMU 127 represented by soil samples is slightly less than ¼ acre (**Figure 1**). As a future residential lot could be ¼ acre in size, calculation of the ethylbenzene EPC using soil samples collected from across the site is thus not expected to underestimate the estimated risk. However, if a future residential lot is smaller than ¼ in size and is centered on the ethylbenzene soil hotspot (i.e., around soil sample CAN127-2710-0000), risks associated with this VOC's EPC would be expected to increase. However, due to the historical collection date of the ethylbenzene hotspot in soil (December 1994), this uncertainty is not considered significant because substantial degradation of this VOC over the past 20 would be expected.

As 10 of the 11 soil vapor sample locations in 2014 from the western portion of the site were purposefully selected to be from an area less than approximately 100 m^2 in size (the default size of a residential home footprint recommended for use in the VI Model), modeled VI risks using trichloroethene's EPC are considered appropriate. The one soil vapor sample location in the eastern portion of the site (127-SV01) had trichloroethene concentrations of 120 µg/m^3 and 180 µg/m^3 from 5 and 10 feet bgs, respectively. As both of these trichloroethene concentrations are lower than the western portion of the site EPCs of 148 µg/m^3 and 501 µg/m^3 (**Appendix A-4**), use of the 127-SV01 sample results as EPCs would not alter risk evaluation conclusions.

Note: other soil vapor VOC compounds (besides trichloroethene) are not addressed in this subsection because maximum detected concentrations were used in the risk evaluation.

2.8.3 Use of Soil Vapor Sample Results from Different Locations for Cumulative VI Pathway

For the vapor intrusion risk evaluation, maximum detected VOC concentrations in soil vapor, regardless of horizontal sample location, were initially used in the cumulative risk and hazard calculations (note: for a refined assessment, trichloroethene results were replaced with a 95% UCL EPC, as discussed previously). This approach is considered conservative because it assumes simultaneous indoor air exposure to maximum concentrations that occur at different locations. This conservative approach was selected because the majority of the VOC contamination occurred within the western portion of the site where 10 separate 5 ft. and 10 ft. depth samples were collected (as compared with the two sample depth samples collected from the eastern portion of the site (sample SV01; **Figure 1**). As these 20 depth-specific samples from the western portion of the site were purposefully selected to be from an area less than approximately 100 m^2 in size (the default size of a residential home footprint recommended for use in the VI Model), modeled VI risks and hazards using maximum concentrations are considered potentially realistic because soil vapor from the western site area might migrate into a single future home.

While six (of the twenty) maximum detected concentrations used in the VI assessment were from the eastern sample location, cumulative risks (and hazards), based on all twenty of the detected VOCs, are not considered to be overly conservative due to the very low estimated risks and hazards for these sample results, as shown below (from **Appendix B-1**):

Soil Vapor VOC	MDC ($\mu g/m^3$)	Sample Location	Estimated Risk	Estimated Hazard
Carbon tetrachloride	0.76	SV01-5 ft	8.6E-10	0.0000033
Acetone	420	SV01-5 ft	NA	0.0000075
Chloromethane	1.6	SV01-5 ft	NA	0.0000063
2-Hexanone	4.8	SV01-5 ft	No toxicity data	No toxicity data
4-Methyl-2-pentanone	6.1	SV01-5 ft	NA	0.00000050
Chloroethane	1.0	SV01-5 ft	NA	0.00000033

3.0 Ecological Risk Evaluation

Using the Ecological Site Exclusion Criteria Decision Tree (Attachment B to Volume 2 of Risk Assessment Guidance for Investigations and Remediation; NMED, 2012), no sensitive areas exist at or adjacent to SWMU 127, the site does not contain other land areas which could be considered viable ecological habitat, and the site does not contain any perennial or ephemeral aquatic features. As no viable ecological habitat exists at the site and with the site's relative close proximity to the active flight line and other industrial facilities, no ecological receptors are expected to be present, and therefore, ecological risks are not a concern. Therefore, a detailed ecological assessment is not warranted.

4.0 References

Cannon Air Force Base, 1997, Cannon Air Force Base Background Study.

EPA, 2014. ProUCL Software, Version 5.0.00. http://www.epa.gov/osp/hstl/tsc/software.htm

EPA, 2013, Regional Screening Levels (RSL) Table. Developed by Oak Ridge National Laboratory under Interagency Agreement with USEPA, May. http://www.epa.gov/region9/superfund/prg/

EPA, 1991, Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual Supplemental Guidance, Standard Default Exposure Factors, Interim Final, Office of Solid Waste and Emergency Response, OSWER Directive: 9285.6-03.

EPA, 1989, Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A), Interim Final, Office of Emergency and Remedial Response, Washington, D.C., EPA/540/1-89/002.

New Mexico Environmental Department (NMED), 2012, Risk Assessment Guidance for Site Investigations and Remediation, Hazardous Waste Bureau and Ground Water Quality Bureau Voluntary Remediation Program, February.

5.0 Conclusions

~~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 (**Appendix A**), as well as the Johnson & Ettinger Model input and output files (**Appendix B**).~~.~~ 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
Brian Renaghan~~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 Sampling Locations
Figure 2 – ~~Area-Weighting of Ethylbenzene in Surface Soil,~~ SWMU 127 Sample Locations with Exceedances

Table 1 – Summary of 1993, 1994, and 2008 Soil Analytical Results for SWMU 127
Table 2 – Cumulative Risk and Hazard Calculations for Organics~~Estimated Industrial Worker Vapor Intrusion Risks and Hazards from VOCs~~ in Soil for~~at~~ SWMU 127
Table 3 – Background Upper Tolerance Limit Summary, PAHs~~Estimated Residential Vapor Intrusion Risks and Hazards from VOCs~~ in Surface Soil, ~~at~~ SWMU 127
Table 4 – Comparison of Maximum Detected Concentrations of PAH Risk Drivers~~Thiessen Polygonal Area Weighted Average VOC EPCs~~ in Soil with Site-Specific Background Concentrations,~~at~~ SWMU 127
Table 5 – Cumulative Risk and Hazard Calculations for Metals in Soil, SWMU 127
Table 6 – Detected Soil~~Estimated Residential~~ Vapor Results, SWMU 127
Table 7 - Cumulative~~Intrusion~~ Risks and Hazards, Future Residential Land Use Scenario, All Media, SWMU 127~~from VOCs in Soil Using Area Weighted EPCs~~
Table 8 - Soil Leaching Evaluation – Organics at SWMU 127
Table 9 - Soil Leaching Evaluation – Metals at SWMU 127

Table 10 - Cumulative Risks for Uncertainty Analysis, Future Residential Land Use Scenario, All Media, SWMU 127

Table 11~~6~~ – Combined 1993, 1994, and 2008 Soil Analytical Results for SWMU 127 (on CD)

Appendix A - Pro-UCL Input and Output Files (on CD)

Appendix B - Johnson & Ettinger Vapor Intrusion Model Input and Output Files (on CD)

Appendix C – 2014 Soil and Soil Vapor Sample Analytical Results (on CD)