MWH

20 May 2005

Ms. Amena Atta
30 CES/CEVR (IRP)
806 13th Street, Suite 116
Vandenberg Air Force Base, California 93437-5242

Re: Final
Interim Remedial Action Report
DRMO Scrap Yard, AOC-169
Vandenberg Air Force Base, California
Contract No. F41624-00-D-8022, DO 0070

Dear Ms. Atta:

Enclosed please find the Final Report prepared under Contract F41624-00-D-8022, Delivery Order 0070, for Vandenberg Air Force Base, California. Based on the findings of extensive soil confirmation sampling and laboratory analysis, AOC-169 is recommended for unconditional closure.

This submittal is in a format consistent with the streamlined approach. The AOC report is presented as a stand-alone packet that includes a concise "Evaluation Sheet" for the investigation, figures with callout boxes showing detection of organic constituents and metals in soil greater than the 95% UCL BTV, and a detects-only table for historical and current data. This packet is to be used in conjunction with the following documents:

- *Final Interim Remedial Action Work Plan, DRMO Scrap Yard AOC-169, Vandenberg Air Force Base, California* (MWH, 2003)
- Letter Work Plan Addendum, 13 July 2004
- *Background and Standard Approach for Investigation of AOCs* (MWH, 2002)

This Preliminary Draft Report presents the findings from the Interim Remedial Action at AOC-169. The following appendices are included:

Appendix A – Summary of Analytical Data
Appendix B – Chain of Custody Records
Appendix C – Photo Documentation
Appendix D – Analytical Data Report
Appendix E – Waste Profile Analytical Results and Manifests
Appendix F – Backfill Compaction Test Results

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Please call me at (805) 560-9007 should you have any questions.

Sincerely,
MWH

FOR Michael McDonald, P.E.
Project Manager

Enclosures

cc: Ms. Beatrice Kephart
Ms. Kathleen Gerber
Ms. Carol Kolb
Mr. Quang Than
AFCEE/MSCD
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May 13, 2005

Ms. Beatrice L. Kephart
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DRAFT INTERIM REMEDIAL ACTION REPORT, AREA OF CONCERN 169 – DEFENSE REUTILIZATION AND MARKETING OFFICE SCRAP YARD, VANDENBERG AIR FORCE BASE, CALIFORNIA

Dear Ms. Kephart:

This letter transmits comments from the State (the California Department of Toxic Substances Control (DTSC) and the Central Coast Regional Water Quality Control Board)) on the subject document, which was dated February 2005 and received on February 24, 2005.

Area of Concern 169 (AOC-169) is located on Utah Avenue on the south side of the Defense Reutilization and Marketing Office (DRMO) scrap yard. The DRMO receives reusable or recyclable materials such as vehicles, construction equipment, furniture, scrap metal, etc. from Vandenberg Air Force Base (VAFB) and other government entities located in the California Central Coast region. Site characterization results indicated that AOC-169 soil was contaminated with total petroleum hydrocarbons (TPHs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and metals. During this interim remedial action, soil containing PCBs and PAHs at concentrations above the residential soil preliminary remediation goals (PRGs) and TPHs above the 100mg/kg action level established by the Central Coast Regional Water Quality Control Board (RWQCB) was removed. Soil containing metals above residential soil PRGs or Background Threshold Values (BTVs) was also removed. Field work was started in July 2004 and completed after two months.

After reviewing the subject document, the State has only one minor comment. For clarification purposes, please revise the Notes in the Legend in Figures AOC-169 d-f to read "Multiple sample dates indicate cell was over excavated and re-sampled and targeted analytes were detected at less than action level".

Please incorporate the above comment into the final version of the subject document and submit both a paper copy and an electronic copy to DTSC and RWQCB for approval. If you have any questions regarding this matter, please contact me at (714) 484-5352 or Carol Kolb or Bill Meece of the RWQCB at (805) 542-4625 or (805) 542-4632, respectively.

Sincerely,

Quang Than
Office of Military Facilities
Southern California Branch

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FINAL
INTERIM REMEDIAL ACTION REPORT

DRMO SCRAP YARD
AOC-169

VANDENBERG AIR FORCE BASE, CALIFORNIA

Contract No. F41624-00-D-8022
Delivery Order 0070

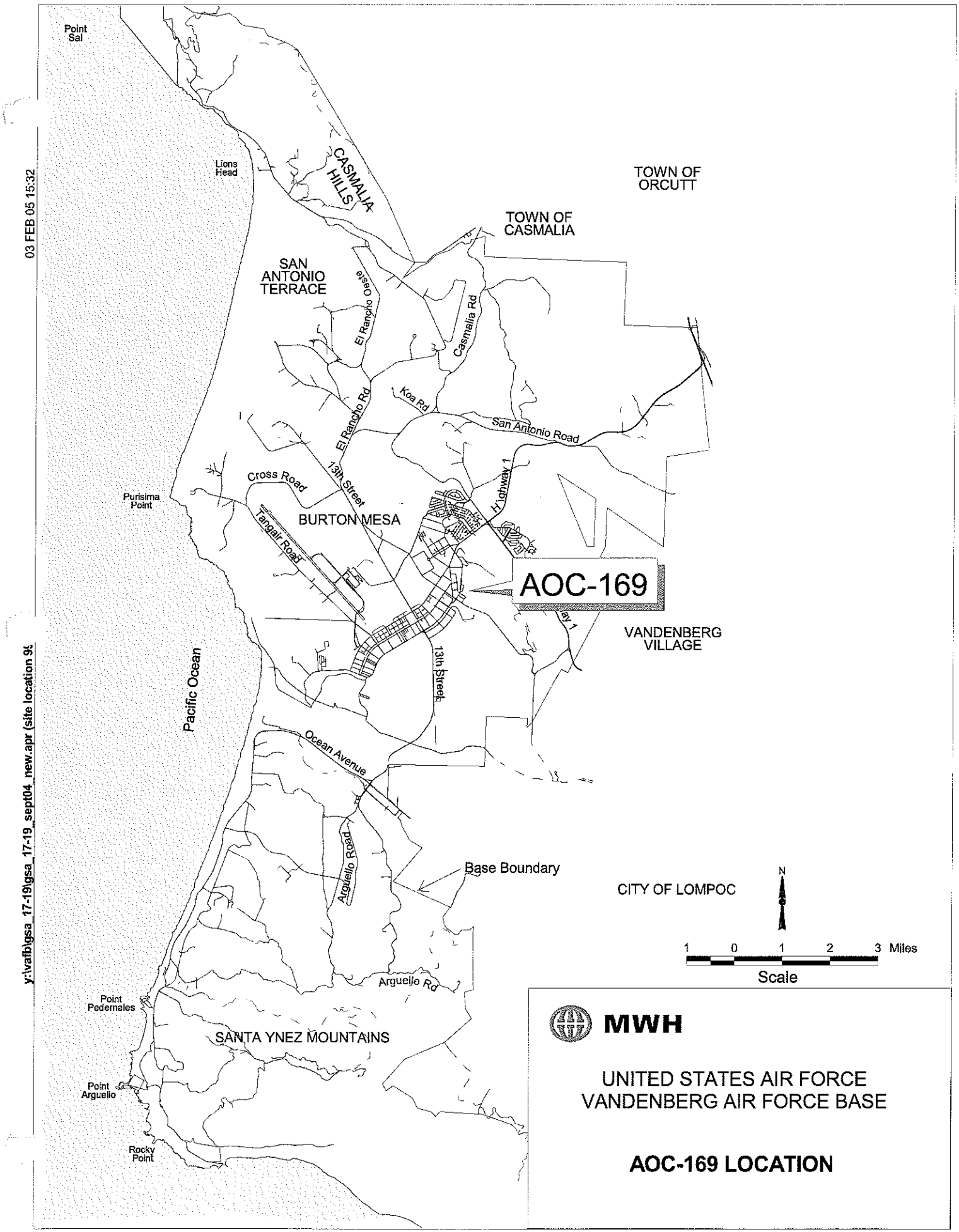
Prepared for:

Air Force Center for Environmental Excellence
Vandenberg Air Force Base, California

Prepared by:

MWH
1340 Treat Boulevard, Suite 300
Walnut Creek, California 94597

May 2005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DESCRIPTION AND AOC SUMMARY

VANDENBERG AIR FORCE BASE, CALIFORNIA
Contract F41624-00-D-8022, Delivery Order 0070 – February 2005

AOC	Description	Summary of Activities	Recommendation/Summary
169	AOC-169 is located near the east edge of the cantonment area on Utah Avenue on the south side of the DRMO scrap yard. The DRMO receives reusable or recyclable materials from VAFB and other government entities located in the Central Coast region. AOC-169 encompasses the unpaved portion of DRMO scrap yard, extending south beyond the scrap yard fence line to a grove of eucalyptus trees and west along a dirt access road to the western edge of the DRMO fence line. The unpaved area within the DRMO fence line was used for overflow storage of recyclable materials.	**SI** – MWH collected surface soil samples to complete the delineation of PCB contamination. MWH collected composite surface soil samples at locations surrounding previously identified hot-spots and additional discrete surface soil samples to identify any new hot spots. The analytical data indicated that PCBs were present at concentrations above the residential soil PRG across most of the unpaved portion of the DRMO scrap yard and extended beyond the DRMO scrap yard fence line to the edge of a eucalyptus grove. Analytical data also indicated that location 547-S-4 was an isolated PCB hot spot east of the perimeter fence line. **IRA** – MWH oversaw the excavation of soil containing PCBs, PAHs, and metals above residential soil PRGs and TPH above the RWQCB action level. The soil was excavated to a depth of 8 inches to 3 feet and transported to the Chemical Waste Management facility in Kettleman City. The removal area encompassed the unpaved portion of the DRMO scrap yard, including a narrow unpaved strip south of the former Building 11514 foundation, the 547-S-4 location, and south of the DRMO scrap yard fence line. Field personnel collected composite confirmation soil samples from 63 grid cells for PCB, PAH, and metal analysis. Discrete soil samples were also collected at three TPH hot spots. All final excavation sample PCB and PAH analytical results were either nondetect or below residential soil PRGs. Except for arsenic, all final excavation sample metals results were below both BTVs and residential soil PRGs. However, the detected concentration of arsenic appears to be naturally occurring. The excavations were backfilled to original grade with clean imported fill.	Soil containing PCBs and PAHs at concentrations above residential soil PRGs and TPH above the RWQCB action level was removed from the DRMO scrap yard during the interim remedial action. Except for arsenic that is believed to be naturally occurring, soil containing metals above residential soil PRGs and BTVs was also removed. Therefore, AOC-169 is recommended for closure under the AOC Program.

AOC - area of concern
BTV - background threshold values
DRMO - Defense Reutilization and Marketing Office
IRA - Interim Remedial Action
PAH - polyaromatic hydrocarbons
PCB - polychlorinated biphenyls
PRG - preliminary remediation goals
RWQCB - Regional Water Quality Control Board
SI - Site Investigation
TPH - total petroleum hydrocarbons

AOC-169 EVALUATION SHEET

FINAL –MAY 2005

BACKGROUND/HISTORY

AOC-169 is located near the east edge of the cantonment area on Utah Avenue on the south side of the Defense Reutilization and Marketing Office (DRMO) scrap yard. The DRMO receives reusable or recyclable materials from VAFB and other government entities located in the Central Coast region. Examples of materials received include automobiles, military vehicles, military supplies, construction equipment, industrial equipment, furniture, office supplies, and scrap metal.

AOC-169 encompasses the unpaved portion of the DRMO scrap yard, extending south beyond the scrap yard fence line to a grove of eucalyptus trees and west along a dirt access road to the western edge of the DRMO fence line. The unpaved area within the DRMO fence line was used for overflow storage of recyclable materials.

INVESTIGATIONS

Tetra Tech (2000)—Task Assignment 547. Tetra Tech conducted a site survey and collected surface and subsurface soil samples at AOC-169 during summer 2000. Soil samples were collected at fifteen soil boring locations (547-B-1 through 547-B-15) and at six surface soil locations (547-S-1 through 547-S-6) (Figures AOC-169a and AOC-169b). Soil boring samples were collected at ground surface and at 2.5 feet bgs. Soil boring locations were chosen based either on the presence of visible contamination or on the likelihood that a release occurred in the area. The surface soil samples were collected from the debris pile in the middle of the site (547-S-1 through 547-S-3) and east of the perimeter fence (547-S-4 through 547-S-6). Surface soil sample 547-S-4 was collected from a depression 100 feet north-northeast of the southeastern corner of the perimeter fence that collected surface water runoff from the scrap yard. All soil samples were analyzed for VOCs, SVOCs, oil and grease (O&G), TPH-d, ethylene glycol, PCBs, and metals.

Thirteen of the surface soil samples contained PCBs at concentrations greater than the residential soil PRG of 0.22 mg/kg. These samples were collected at nine of the fifteen boring locations, the three debris pile samples, and one location east of the perimeter fence (547-S-4) (Figure AOC-169b). The maximum PCB concentration (78.2 mg/kg) was detected at surface soil location 547-B-3. PCBs were not detected at or above the residential soil PRG in subsurface soil.

SVOCs (primarily PAHs) were detected in soil above residential soil PRGs at seven surface soil locations. SVOCs detected above residential soil PRGs include anthracene, acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(k)fluoranthene, chrysene, fluoranthene, fluorene, naphthalene, pyrene, and dibenzofuran (Figure AOC-169a). SVOCs were also detected above residential soil PRGs in samples collected at the debris pile and in one subsurface soil sample at 547-B-4 at 2.5 feet bgs.

O&G and TPH-d were detected primarily in surface soil samples, with a few exceptions. O&G was detected at a maximum concentration of 42,000 mg/kg. TPH-d was detected above the RWQCB action level of 100 mg/kg in two surface soil samples: 547-B-12 at 327 mg/kg and 547-S-3 at 200 mg/kg. Metals detected above both BTVs and residential soil PRGs include arsenic, cadmium, lead, and nickel (Figure AOC-169a). Subsurface soil samples collected at 547-B-2 and 547-B-13 also contained elevated concentrations of metals.

Tetra Tech returned to the site in May and July 2001 to delineate the extent of elevated concentrations of PCBs in the vicinity of boring 547-B-3. Initially nine surface soil samples (547-S-7 through 547-S-15) were collected at 3-foot grid locations surrounding the boring (Figure AOC-169b) for laboratory analysis of PCBs. PCB-1254 was detected above the residential PRG in all nine samples at a maximum concentration of 171 mg/kg. This initial effort was followed by the collection of 67 surface soil samples at 9-foot grid locations for analysis of PCBs using a field test kit. Three of the soil samples (547-FT-9,

547-FT-12, and 547-FT-23) were also analyzed at a laboratory (Figure AOC-169b). PCB-1260 was detected in the three laboratory surface soil samples above the residential PRG. The test kit data indicate that 53 of the 67 samples contained PCBs at concentrations greater than 2 mg/kg. There appeared to be little correlation between field test kit results and laboratory data.

MWH (2003)—Delivery Order 70, Delineation Sampling. MWH collected additional surface soil samples in 2003 and 2004 to complete the delineation of PCB contamination. The 2003 sampling effort involved the collection of composite surface soil samples (169-CS01 through 169-CS14) at locations surrounding previously identified hot spots (locations where PCBs were detected above the residential soil PRG). MWH also collected additional discrete surface soil samples (169-S01 through 169-S21) to identify any new hot spots. All samples were analyzed for PCBs. The analytical data indicated that PCBs were present at concentrations above the residential soil PRG across most of the unpaved portion of the DRMO scrap yard and extended an unknown distance south beyond the DRMO scrap yard fence line (Figure AOC-169b). Analytical data also indicated that location 547-S-4 (Figure AOC-169c) was an isolated PCB hot spot east of the perimeter fence line.

MWH also collected additional surface soil samples at 169-S22 through 169-S39 to complete the delineation of PCBs. A subsurface soil sample was also collected at 169-S07. The additional data showed that PCBs were present in surface soil above the residential PRG to the edge of a eucalyptus grove south of the DRMO scrap yard fence line.

MWH (2003)—Delivery Order 70 and Task Order 94, Interim Remedial Action. The objective of the interim remedial action was to remove and dispose of soil presenting a potential risk to human health and the environment. To accomplish this object soil containing PCBs, PAHs, and metals above residential soil PRGs and TPH above the 100 mg/kg RWQCB action level were excavated to a depth of 8 inches to 3 feet and transported off-site to a licensed disposal facility.

The field work was completed over a two month period in four phases. During the first phase, the subcontractor excavated 8 inches of soil from the western half of the main DRMO scrap yard and from the road south of the scrap yard fence line. The subcontractor also excavated 3 feet of soil at the TPH hot-spots. MWH collected confirmation samples from the excavated areas and waste profile samples from the soil stockpiles. Due to space limitations, the subcontractor stockpiled excavated soil on the eastern half of the planned excavation area. During the second phase of field work MWH and the excavation subcontractor prepared waste profiles and identified cells requiring over excavation as analytical data were received. Upon acceptance of the waste profiles by Vandenberg Air Force Base and the disposal facility, MWH and its subcontractor began the third phase of field work. This phase involved transporting stockpiled soil to the disposal facility, excavating newly exposed cells, over excavating selected cells, and collecting additional confirmation samples. Finally, the subcontractor began backfill operations during the fourth phase of field work upon confirmation that the project objectives had been achieved (contaminant concentrations were below residential PRGs or RWQCB action levels).

The removal area encompassed the unpaved portion of the DRMO scrap yard. It included a narrow unpaved strip south of the former Building 11514 foundation, the 547-S-4 sample location east of the DRMO scrap yard fence line, and the unpaved road south of the DRMO scrap yard fence line. The debris pile located in the middle of the unpaved portion of the DRMO scrap yard was also transported off-site to a licensed disposal facility.

MWH divided the excavated area into 63 grid cells for confirmation soil sampling. Up to nine soil samples were collected from each grid cell and composited for PCB, PAH, and metals analysis. MWH also collected discrete soil samples at three TPH hot spots identified during the Tetra Tech investigation (547-B-4, 547-B-7, and 547-B-12). Twenty-two of the grid cells contained at least one analyte above its residential soil PRG, requiring over excavation and resampling. The analytical laboratory only analyzed

confirmation samples collected from over excavated cells for compounds and metals detected above residential soil PRGs in the original corresponding confirmation sample. Figures AOC-169d, AOC-169e, and AOC-169f show the grid layout, posted confirmation sample analytical data, and final excavation depths. All final excavation sample PCB and PAH analytical results were either non detect or below residential soil PRGs. Except for arsenic, all final excavation sample metals results were below BTVs or residential soil PRGs. One final excavation confirmation soil sample (169-EX05) contained arsenic (7.8 mg/kg) above its subsurface alluvium BTV (5 mg/kg) and residential soil PRG (0.39 mg/kg). However, this concentration is well below the arsenic bedrock BTV of 30 mg/kg and is likely the result of reworked bedrock fragments in the overburden. Consequently, the detected concentration of arsenic appears to be naturally occurring.

A total of 2,961 tons of soil was excavated and placed into four stockpiles. One stockpile was for soil excavated from areas with PCBs detected above 50 mg/kg (SP01). Two stockpiles were for soil excavated from the DRMO scrap yard and the debris pile with PCBs detected between 0.22 mg/kg and 50 mg/kg (SP02 and SP03). Stockpile SP04 was for soil excavated outside of the DRMO scrap yard fence line. Four composite waste profile samples (169-SP01, 169-SP02, 169-SP03, and 169-SP04) were collected for profiling purposes. The stockpile samples were analyzed for TPH-g, TPH-d/mo, VOCs, SVOCs, and metals. Concentrations of PCBs in soil stockpiles were based on delineation sample analytical results.

Stockpile samples 169-SP01, 169-SP02, and 169-SP03 contained elevated concentrations of lead (109 to 272 mg/kg). These samples were then analyzed using the Waste Extraction Test (WET) to determine the Soluble Threshold Limit Concentration (STLC). Samples 169-SP02 and 169-SP03 exceeded the STLC for lead. These samples were then analyzed using the Toxicity Characteristic Leaching Procedure (TCLP) for lead. All TCLP lead concentrations were below the regulatory limit. Sample 169-SP02 also contained elevated concentrations of total cadmium, chromium, and copper. However, STLC concentrations were all below regulatory limits.

All soil was transported to the Chemical Waste Management facility in Kettleman City for disposal as summarized below.

Stockpile	Waste Classification	Quantity (tons)
SP01	PCB Contaminated	249
SP02 and SP03	Non-RCRA Hazardous	2,152
SP04	Non-Hazardous	560

The completed excavation within the DRMO fence line was backfilled with clean silty sand obtained from an on-Base borrow pit in 8-inch lifts to 9 inches below grade. Backfilled soil was compacted to a minimum 95 percent relative compaction using a sheep foot roller. The area within the fence line will be paved with asphalt during the dry season.

The excavations outside of the DRMO fence line were backfilled to original grade with recycled concrete base material obtained from the Base landfill. Compaction outside of the DRMO fence line was not certified.

NATURE AND EXTENT OF CONTAMINATION

Confirmation sample analytical data collected after the unpaved portion of the DRMO scrap yard (AOC-169) was excavated indicate that, except for arsenic that is likely naturally occurring, maximum concentrations of PCBs, PAHs, and metals are below residential soil PRGs. Furthermore, maximum

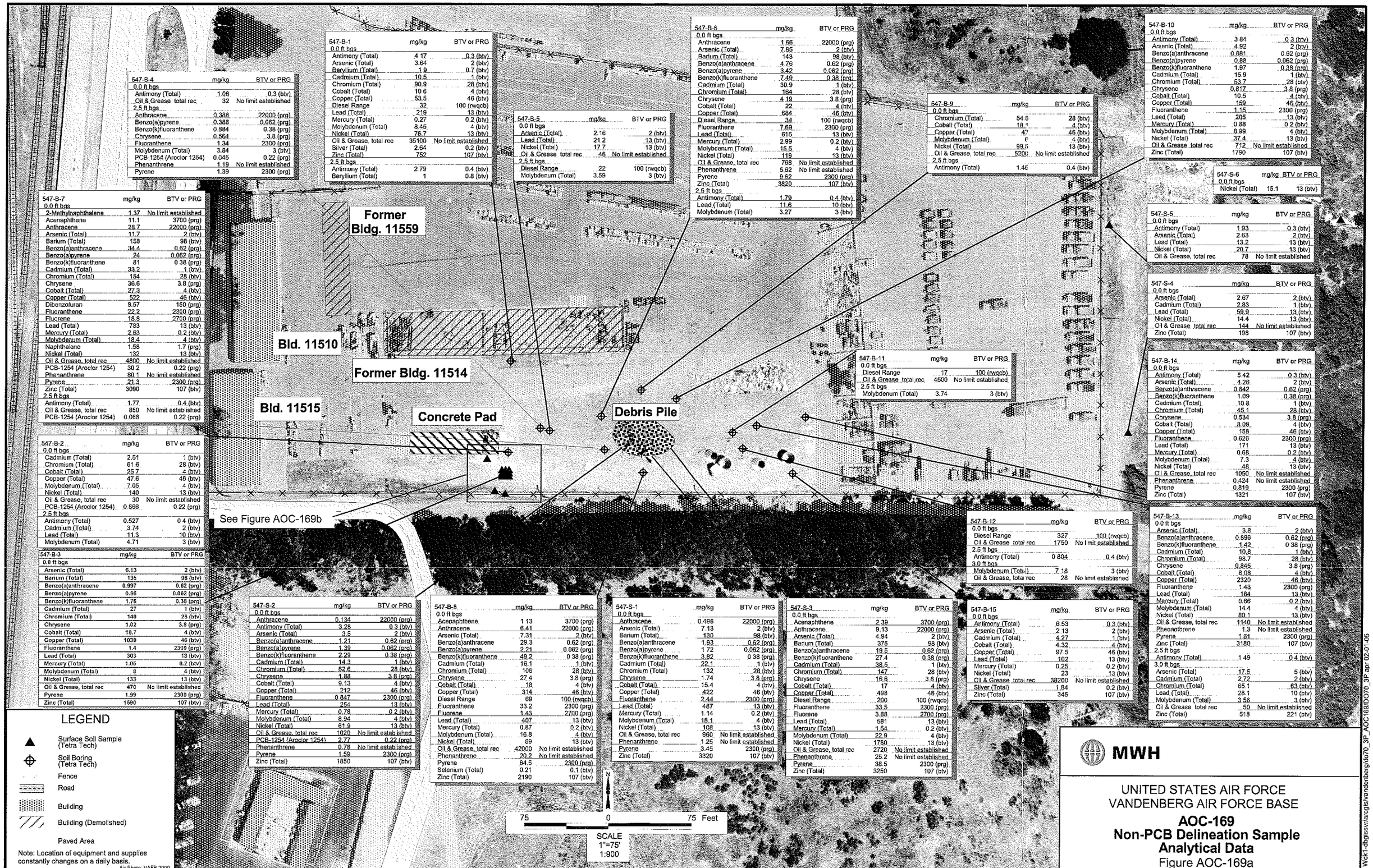
combined TPH-d/mo concentrations are below the 100 mg/kg RWQCB action level at three excavated hot-spots.

RECOMMENDATION

Soil containing PCBs and PAHs at concentrations above the residential soil PRGs and TPH above the 100 mg/kg RWQCB action level was removed from the DRMO scrap yard during the interim remedial action. Except for arsenic, which is believed to be naturally occurring, soil containing metals above residential soil PRGs and BTVs was also removed. Therefore, AOC-169 is recommended for closure under the AOC Program.

ATTACHMENTS

Figure AOC-169a – Non-PCB Delineation Sample Analytical Data
Figure AOC-169b – PCB Delineation Sample Analytical Results, Main DRMO Yard
Figure AOC-169c – PCB Delineation Sample Analytical Results, East of DRMO Fence Line
Figure AOC-169d – Excavation Area Confirmation Sample Locations and Analytical Data - West
Figure AOC-169e – Excavation Area Confirmation Sample Locations and Analytical Data - Central
Figure AOC-169f – Excavation Area Confirmation Sample Locations and Analytical Data - East
Table AOC-169 - Chemicals Detected in Soil during MWH Investigations



547-B-1	mg/kg	BTV or PRG
0.0 ft bgs		
Antimony (Total)	4.17	0.3 (btv)
Arsenic (Total)	3.64	2 (btv)
Beryllium (Total)	1.9	0.7 (btv)
Cadmium (Total)	10.5	1 (btv)
Chromium (Total)	90.9	28 (btv)
Cobalt (Total)	10.6	4 (btv)
Copper (Total)	53.5	46 (btv)
Diesel Range	32	100 (rwqcb)
Lead (Total)	219	13 (btv)
Mercury (Total)	0.27	0.2 (btv)
Molybdenum (Total)	8.45	4 (btv)
Nickel (Total)	76.7	13 (btv)
Oil & Grease, total rec	35100	No limit established
Silver (Total)	2.64	0.2 (btv)
Zinc (Total)	752	107 (btv)
2.5 ft bgs		
Antimony (Total)	2.79	0.4 (btv)
Beryllium (Total)	1	0.8 (btv)

547-B-4	mg/kg	BTV or PRG
0.0 ft bgs		
Antimony (Total)	1.06	0.3 (btv)
Oil & Grease, total rec	32	No limit established
2.5 ft bgs		
Anthracene	0.388	22000 (prg)
Benzo(a)pyrene	0.388	0.062 (prg)
Benzo(k)fluoranthene	0.884	0.38 (prg)
Chrysene	0.564	3.8 (prg)
Fluoranthene	1.34	2300 (prg)
Molybdenum (Total)	3.84	3 (btv)
PCB-1254 (Aroclor 1254)	0.045	0.22 (prg)
Phenanthrene	1.19	No limit established
Pyrene	1.39	2300 (prg)

547-B-5	mg/kg	BTV or PRG
0.0 ft bgs		
Arsenic (Total)	2.16	2 (btv)
Lead (Total)	21.2	13 (btv)
Nickel (Total)	17.7	13 (btv)
Oil & Grease, total rec	46	No limit established
2.5 ft bgs		
Diesel Range	22	100 (rwqcb)
Molybdenum (Total)	3.59	3 (btv)

547-B-6	mg/kg	BTV or PRG
0.0 ft bgs		
Anthracene	1.66	22000 (prg)
Arsenic (Total)	7.85	2 (btv)
Barium (Total)	143	98 (btv)
Benzo(a)anthracene	4.76	0.62 (prg)
Benzo(a)pyrene	3.42	0.062 (prg)
Benzo(k)fluoranthene	7.49	0.38 (prg)
Cadmium (Total)	30.9	1 (btv)
Chromium (Total)	164	28 (btv)
Chrysene	4.19	3.8 (prg)
Cobalt (Total)	22	4 (btv)
Copper (Total)	684	46 (btv)
Diesel Range	34	100 (rwqcb)
Fluoranthene	7.69	2300 (prg)
Lead (Total)	615	13 (btv)
Mercury (Total)	2.99	0.2 (btv)
Molybdenum (Total)	15.5	4 (btv)
Nickel (Total)	119	13 (btv)
Oil & Grease, total rec	768	No limit established
Phenanthrene	5.62	No limit established
Pyrene	9.62	2300 (prg)
Zinc (Total)	3820	107 (btv)
2.5 ft bgs		
Antimony (Total)	1.79	0.4 (btv)
Lead (Total)	11.6	10 (btv)
Molybdenum (Total)	3.27	3 (btv)

547-B-9	mg/kg	BTV or PRG
0.0 ft bgs		
Chromium (Total)	54.8	28 (btv)
Cobalt (Total)	18.1	4 (btv)
Copper (Total)	47	46 (btv)
Molybdenum (Total)	0	4 (btv)
Nickel (Total)	99.5	13 (btv)
Oil & Grease, total rec	5200	No limit established
2.5 ft bgs		
Antimony (Total)	1.46	0.4 (btv)

547-B-10	mg/kg	BTV or PRG
0.0 ft bgs		
Antimony (Total)	3.84	0.3 (btv)
Arsenic (Total)	4.92	2 (btv)
Benzo(a)anthracene	0.881	0.62 (prg)
Benzo(a)pyrene	0.88	0.062 (prg)
Benzo(k)fluoranthene	1.97	0.38 (prg)
Cadmium (Total)	15.9	1 (btv)
Chromium (Total)	53.7	28 (btv)
Chrysene	0.817	3.8 (prg)
Cobalt (Total)	10.5	4 (btv)
Copper (Total)	159	46 (btv)
Fluoranthene	1.15	2300 (prg)
Lead (Total)	205	13 (btv)
Mercury (Total)	0.88	0.2 (btv)
Molybdenum (Total)	8.99	4 (btv)
Nickel (Total)	37.4	13 (btv)
Oil & Grease, total rec	712	No limit established
Zinc (Total)	1790	107 (btv)

547-S-6	mg/kg	BTV or PRG
0.0 ft bgs		
Nickel (Total)	15.1	13 (btv)

547-S-5	mg/kg	BTV or PRG
0.0 ft bgs		
Antimony (Total)	1.93	0.3 (btv)
Arsenic (Total)	2.63	2 (btv)
Lead (Total)	13.2	13 (btv)
Nickel (Total)	20.7	13 (btv)
Oil & Grease, total rec	78	No limit established

547-S-4	mg/kg	BTV or PRG
0.0 ft bgs		
Arsenic (Total)	2.67	2 (btv)
Cadmium (Total)	2.83	1 (btv)
Lead (Total)	59.9	13 (btv)
Nickel (Total)	14.4	13 (btv)
Oil & Grease, total rec	144	No limit established
Zinc (Total)	198	107 (btv)

547-B-7	mg/kg	BTV or PRG
0.0 ft bgs		
2-Methylnaphthalene	1.37	No limit established
Acenaphthene	11.1	3700 (prg)
Anthracene	28.7	22000 (prg)
Arsenic (Total)	11.7	2 (btv)
Barium (Total)	158	98 (btv)
Benzo(a)anthracene	34.4	0.62 (prg)
Benzo(a)pyrene	24	0.062 (prg)
Benzo(k)fluoranthene	81	0.38 (prg)
Cadmium (Total)	33.2	1 (btv)
Chromium (Total)	154	28 (btv)
Chrysene	36.6	3.8 (prg)
Cobalt (Total)	27.3	4 (btv)
Copper (Total)	522	46 (btv)
Dibenzofuran	8.57	150 (prg)
Fluoranthene	22.2	2300 (prg)
Fluorene	18.8	2700 (prg)
Lead (Total)	783	13 (btv)
Mercury (Total)	2.63	0.2 (btv)
Molybdenum (Total)	18.4	4 (btv)
Naphthalene	1.58	1.7 (prg)
Nickel (Total)	132	13 (btv)
Oil & Grease, total rec	4800	No limit established
PCB-1254 (Aroclor 1254)	30.2	0.22 (prg)
Phenanthrene	80.1	No limit established
Pyrene	21.3	2300 (prg)
Zinc (Total)	3090	107 (btv)
2.5 ft bgs		
Antimony (Total)	1.77	0.4 (btv)
Oil & Grease, total rec	850	No limit established
PCB-1254 (Aroclor 1254)	0.068	0.22 (prg)

547-B-11	mg/kg	BTV or PRG
0.0 ft bgs		
Diesel Range	17	100 (rwqcb)
Oil & Grease, total rec	4500	No limit established
2.5 ft bgs		
Molybdenum (Total)	3.74	3 (btv)

547-B-14	mg/kg	BTV or PRG
0.0 ft bgs		
Antimony (Total)	5.42	0.3 (btv)
Arsenic (Total)	4.26	2 (btv)
Benzo(a)anthracene	0.642	0.62 (prg)
Benzo(k)fluoranthene	1.09	0.38 (prg)
Cadmium (Total)	10.8	1 (btv)
Chromium (Total)	45.1	28 (btv)
Chrysene	0.534	3.8 (prg)
Cobalt (Total)	8.08	4 (btv)
Copper (Total)	158	46 (btv)
Fluoranthene	0.626	2300 (prg)
Lead (Total)	171	13 (btv)
Mercury (Total)	0.68	0.2 (btv)
Molybdenum (Total)	7.3	4 (btv)
Nickel (Total)	48	13 (btv)
Oil & Grease, total rec	1050	No limit established
Phenanthrene	0.424	No limit established
Pyrene	0.819	2300 (prg)
Zinc (Total)	1321	107 (btv)

547-B-2	mg/kg	BTV or PRG
0.0 ft bgs		
Cadmium (Total)	2.51	1 (btv)
Chromium (Total)	61.6	28 (btv)
Cobalt (Total)	25.7	4 (btv)
Copper (Total)	47.6	46 (btv)
Molybdenum (Total)	7.05	4 (btv)
Nickel (Total)	140	13 (btv)
Oil & Grease, total rec	30	No limit established
PCB-1254 (Aroclor 1254)	0.866	0.22 (prg)
2.5 ft bgs		
Antimony (Total)	0.527	0.4 (btv)
Cadmium (Total)	3.74	2 (btv)
Lead (Total)	11.3	10 (btv)
Molybdenum (Total)	4.71	3 (btv)

547-B-12	mg/kg	BTV or PRG
0.0 ft bgs		
Diesel Range	327	100 (rwqcb)
Oil & Grease, total rec	1750	No limit established
2.5 ft bgs		
Antimony (Total)	0.804	0.4 (btv)
3.0 ft bgs		
Molybdenum (Total)	7.18	3 (btv)
Oil & Grease, total rec	28	No limit established

547-B-13	mg/kg	BTV or PRG
0.0 ft bgs		
Arsenic (Total)	3.8	2 (btv)
Benzo(a)anthracene	0.896	0.62 (prg)
Benzo(k)fluoranthene	1.42	0.38 (prg)
Cadmium (Total)	10.8	1 (btv)
Chromium (Total)	98.7	28 (btv)
Chrysene	0.845	3.8 (prg)
Cobalt (Total)	8.08	4 (btv)
Copper (Total)	2320	46 (btv)
Fluoranthene	1.43	2300 (prg)
Lead (Total)	184	13 (btv)
Mercury (Total)	0.66	0.2 (btv)
Molybdenum (Total)	14.4	4 (btv)
Nickel (Total)	80.1	13 (btv)
Oil & Grease, total rec	1140	No limit established
Phenanthrene	1.3	No limit established
Pyrene	1.81	2300 (prg)
Zinc (Total)	3180	107 (btv)
2.5 ft bgs		
Antimony (Total)	1.49	0.4 (btv)
3.0 ft bgs		
Arsenic (Total)	17.5	5 (btv)
Cadmium (Total)	2.72	2 (btv)
Chromium (Total)	65.1	63 (btv)
Lead (Total)	28.1	10 (btv)
Molybdenum (Total)	3.56	3 (btv)
Oil & Grease, total rec	50	No limit established
Zinc (Total)	518	221 (btv)

547-B-3	mg/kg	BTV or PRG
0.0 ft bgs		
Arsenic (Total)	6.13	2 (btv)
Barium (Total)	135	98 (btv)
Benzo(a)anthracene	0.997	0.62 (prg)
Benzo(a)pyrene	0.66	0.062 (prg)
Benzo(k)fluoranthene	1.76	0.38 (prg)
Cadmium (Total)	27	1 (btv)
Chromium (Total)	140	28 (btv)
Chrysene	1.02	3.8 (prg)
Cobalt (Total)	18.7	4 (btv)
Copper (Total)	1030	46 (btv)
Fluoranthene	1.4	2300 (prg)
Lead (Total)	303	13 (btv)
Mercury (Total)	1.05	0.2 (btv)
Molybdenum (Total)	8	4 (btv)
Nickel (Total)	133	13 (btv)
Oil & Grease, total rec	470	No limit established
Pyrene	1.99	2300 (prg)
Zinc (Total)	1590	107 (btv)

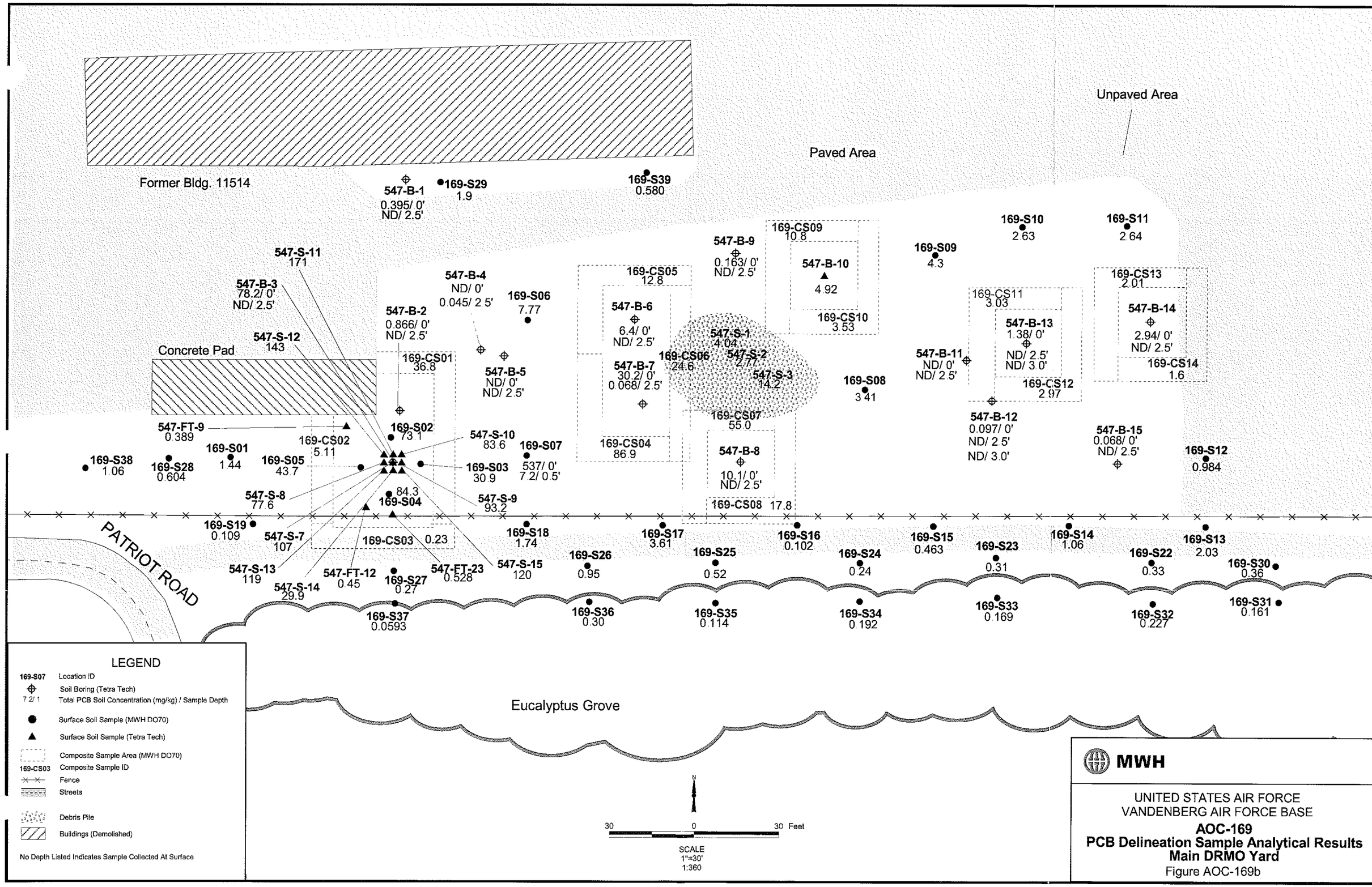
547-S-2	mg/kg	BTV or PRG
0.0 ft bgs		
Anthracene	0.134	22000 (prg)
Antimony (Total)	3.28	0.3 (btv)
Arsenic (Total)	3.5	2 (btv)
Benzo(a)anthracene	1.21	0.62 (prg)
Benzo(a)pyrene	1.39	0.062 (prg)
Benzo(k)fluoranthene	2.29	0.38 (prg)
Cadmium (Total)	14.3	1 (btv)
Chromium (Total)	62.6	28 (btv)
Chrysene	1.88	3.8 (prg)
Cobalt (Total)	9.13	4 (btv)
Copper (Total)	212	46 (btv)
Fluoranthene	0.847	2300 (prg)
Lead (Total)	254	13 (btv)
Mercury (Total)	0.78	0.2 (btv)
Molybdenum (Total)	8.94	4 (btv)
Nickel (Total)	61.9	13 (btv)
Oil & Grease, total rec	1020	No limit established
PCB-1254 (Aroclor 1254)	2.77	0.22 (prg)
Phenanthrene	0.78	No limit established
Pyrene	1.59	2300 (prg)
Zinc (Total)	1850	107 (btv)

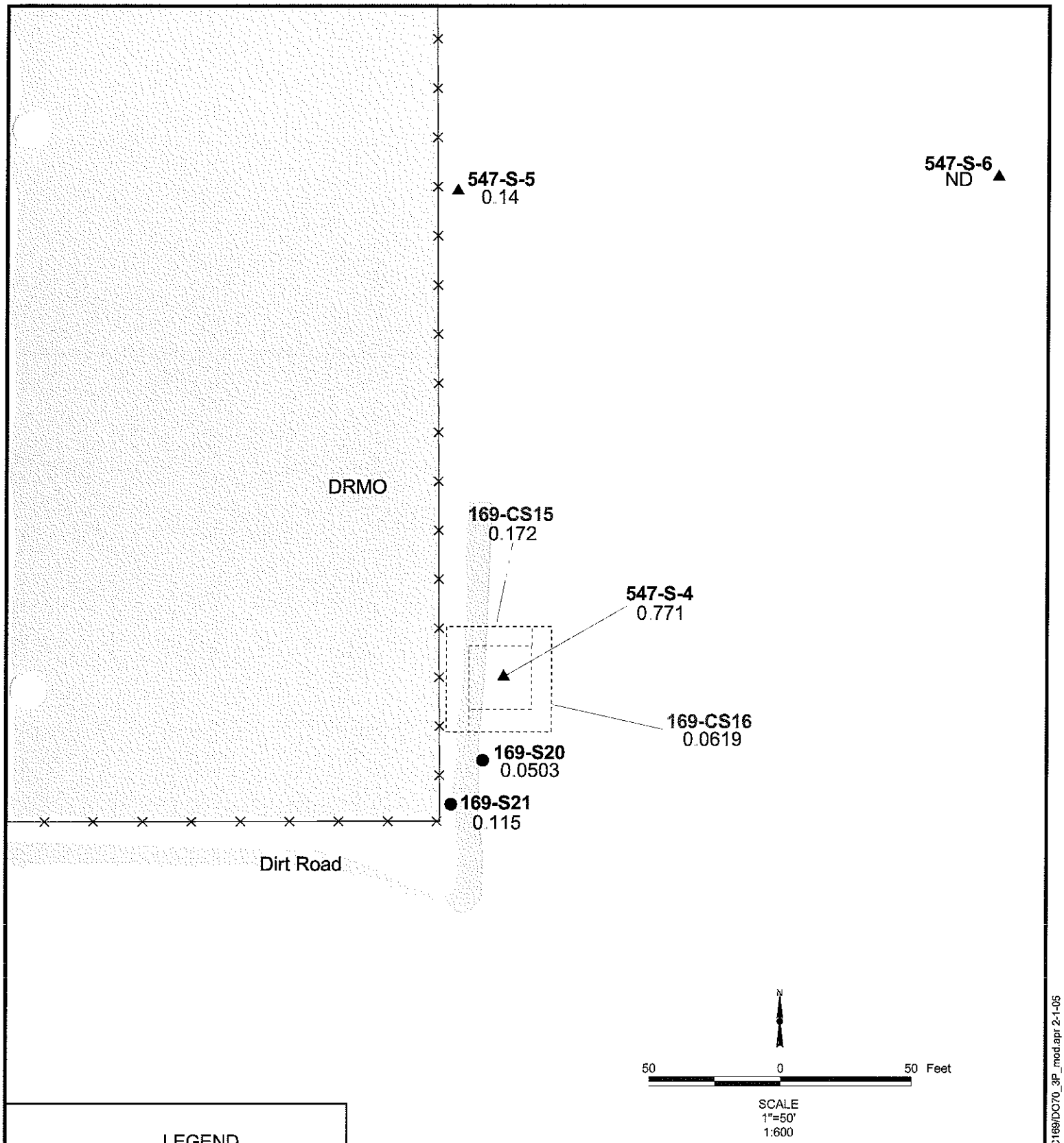
547-B-8	mg/kg	BTV or PRG
0.0 ft bgs		
Acenaphthene	1.13	3700 (prg)
Anthracene	6.41	22000 (prg)
Arsenic (Total)	7.31	2 (btv)
Benzo(a)anthracene	29.3	0.62 (prg)
Benzo(a)pyrene	2.21	0.062 (prg)
Benzo(k)fluoranthene	49.2	0.38 (prg)
Cadmium (Total)	16.1	1 (btv)
Chromium (Total)	106	28 (btv)
Chrysene	27.4	3.8 (prg)
Cobalt (Total)	18	4 (btv)
Copper (Total)	314	46 (btv)
Diesel Range	69	100 (rwqcb)
Fluoranthene	33.2	2300 (prg)
Fluorene	1.43	2700 (prg)
Lead (Total)	407	13 (btv)
Mercury (Total)	0.87	0.2 (btv)
Molybdenum (Total)	16.8	4 (btv)
Nickel (Total)	69	13 (btv)
Oil & Grease, total rec	42000	No limit established
Phenanthrene	20.2	No limit established
Pyrene	64.5	2300 (prg)
Selenium (Total)	0.21	0.1 (btv)
Zinc (Total)	2190	107 (btv)

547-S-1	mg/kg	BTV or PRG
0.0 ft bgs		
Anthracene	0.498	22000 (prg)
Arsenic (Total)	7.13	2 (btv)
Barium (Total)	130	98 (btv)
Benzo(a)anthracene	1.93	0.62 (prg)
Benzo(a)pyrene	1.72	0.062 (prg)
Benzo(k)fluoranthene	3.82	0.38 (prg)
Cadmium (Total)	22.7	1 (btv)
Chromium (Total)	132	28 (btv)
Chrysene	1.74	3.8 (prg)
Cobalt (Total)	15.4	4 (btv)
Copper (Total)	422	46 (btv)
Fluoranthene	2.44	2300 (prg)
Lead (Total)	487	13 (btv)
Mercury (Total)	1.14	0.2 (btv)
Molybdenum (Total)	18.1	4 (btv)
Nickel (Total)	108	13 (btv)
Oil & Grease, total rec	960	No limit established
Phenanthrene	1.25	No limit established
Pyrene	3.45	2300 (prg)
Zinc (Total)	3320	107 (btv)

547-S-3	mg/kg	BTV or PRG
0.0 ft bgs		
Acenaphthene	2.39	3700 (prg)
Anthracene	9.13	22000 (prg)
Arsenic (Total)	4.94	2 (btv)
Barium (Total)	375	98 (btv)
Benzo(a)anthracene	19.5	0.62 (prg)
Benzo(k)fluoranthene	27.4	0.38 (prg)
Cadmium (Total)	38.5	1 (btv)
Chromium (Total)	147	28 (btv)
Chrysene	16.6	3.8 (prg)
Cobalt (Total)	17	4 (btv)
Copper (Total)	498	46 (btv)
Diesel Range	200	100 (rwqcb)
Fluoranthene	33.5	2300 (prg)
Fluorene	3.88	2700 (prg)
Lead (Total)	581	13 (btv)
Mercury (Total)	1.54	0.2 (btv)
Molybdenum (Total)	22.9	4 (btv)
Nickel (Total)	1780	13 (btv)
Oil & Grease, total rec	2720	No limit established
Phenanthrene	25.2	No limit established
Pyrene	38.5	2300 (prg)
Zinc (Total)	3250	107 (btv)

547-B-15	mg/kg	BTV or PRG
0.0 ft bgs		
Antimony (Total)	6.53	0.3 (btv)
Arsenic (Total)	2.13	2 (btv)
Cadmium (Total)	4.27	1 (btv)
Cobalt (Total)	4.32	4 (btv)
Copper (Total)	97.5	46 (btv)
Lead (Total)	102	13 (btv)
Mercury (Total)	0.25	0.2 (btv)
Nickel (Total)	23	13 (btv)
Oil & Grease, total rec	38200	No limit established
Silver (Total)	1.84	0.2 (btv)
Zinc (Total)	345	107 (btv)


Former Bldg. 11514
Paved Area
Unpaved Area
Concrete Pad
PATRIOT ROAD
Eucalyptus Grove
547-B-1
0.395/ 0'
ND/ 2.5'
169-S29
1.9
169-S39
0.580
547-S-11
171
547-B-3
78.2/ 0'
ND/ 2.5'
547-S-12
143
547-B-4
ND/ 0'
0.045/ 2.5'
169-S06
7.77
547-B-2
0.866/ 0'
ND/ 2.5'
169-CS01
36.8
547-B-5
ND/ 0'
ND/ 2.5'
547-FT-9
0.389
169-S02
73.1
169-CS02
5.11
547-S-10
83.6
169-S07
537/ 0'
7.2/ 0.5'
169-S01
1.44
169-S05
43.7
169-S03
30.9
169-S38
1.06
169-S28
0.604
547-S-8
77.6
84.3
169-S04
547-S-9
93.2
169-S19
0.109
547-S-7
107
169-CS03
0.23
169-S18
1.74
169-S17
3.61
169-S16
0.102
169-S15
0.463
169-S14
1.06
169-S13
2.03
547-S-13
119
547-S-14
29.9
547-FT-12
0.45
169-S27
0.27
547-FT-23
0.528
547-S-15
120
169-S26
0.95
169-S25
0.52
169-S24
0.24
169-S23
0.31
169-S22
0.33
169-S30
0.36
169-S37
0.0593
169-S36
0.30
169-S35
0.114
169-S34
0.192
169-S33
0.169
169-S32
0.227
169-S31
0.161
169-CS05
12.8
547-B-6
6.4/ 0'
ND/ 2.5'
547-B-7
30.2/ 0'
0.068/ 2.5'
169-CS06
24.6
547-S-1
4.04
547-S-2
2.77
547-S-3
14.2
169-CS07
55.0
169-CS04
86.9
547-B-8
10.1/ 0'
ND/ 2.5'
169-CS08
17.8
547-B-9
0.163/ 0'
ND/ 2.5'
169-CS09
10.8
547-B-10
4.92
169-CS10
3.53
169-S08
3.41
169-S09
4.3
547-B-11
ND/ 0'
ND/ 2.5'
169-CS11
3.03
547-B-13
1.38/ 0'
ND/ 2.5'
ND/ 3.0'
169-CS12
2.97
547-B-12
0.097/ 0'
ND/ 2.5'
ND/ 3.0'
169-S10
2.63
169-S11
2.64
169-CS13
2.01
547-B-14
2.94/ 0'
ND/ 2.5'
169-CS14
1.6
547-B-15
0.068/ 0'
ND/ 2.5'
169-S12
0.984
LEGEND
169-S07 Location ID
Soil Boring (Tetra Tech)
7.2/ 1 Total PCB Soil Concentration (mg/kg) / Sample Depth
Surface Soil Sample (MWH DO70)
Surface Soil Sample (Tetra Tech)
Composite Sample Area (MWH DO70)
169-CS03 Composite Sample ID
Fence
Streets
Debris Pile
Buildings (Demolished)
No Depth Listed Indicates Sample Collected At Surface
N
30 0 30 Feet
SCALE
1"=30'
1:360
MWH
UNITED STATES AIR FORCE
VANDENBERG AIR FORCE BASE
AOC-169
PCB Delineation Sample Analytical Results
Main DRMO Yard
Figure AOC-169b
Wck1-dbgissvr/arcgis/vandenberg/do70_3P_AOC169/DO70_3P_mod.apr 2-1-05



LEGEND

169-S21	Location ID
●	Surface Soil Sample (MWH DO70)
0.115	Total PCB Soil Concentration (mg/kg)
▲	Surface Soil Sample (Tetra Tech)
	Composite Sample Area (MWH DO70)
169-CS16	Composite Sample ID
	Fence
	Paved Area

No Depth Listed Indicates Sample Collected At Surface

MWH

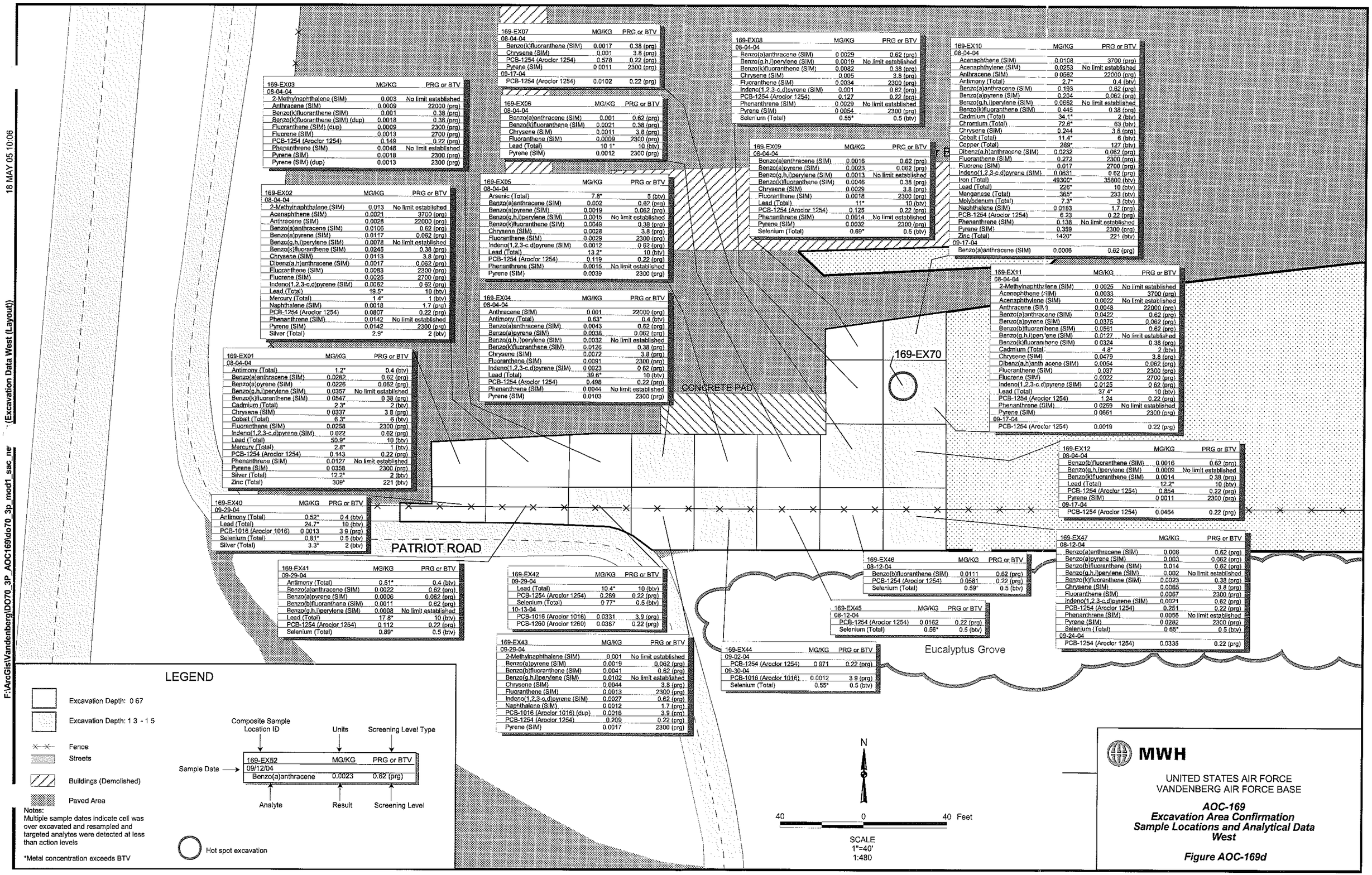
UNITED STATES AIR FORCE
VANDENBERG AIR FORCE BASE

AOC-169
PCB Delineation Sample Analytical Results
East of DRMO Fence Line

Figure AOC-169c

Wck1-dbgissvr/arcgis/vandenberg/do70_3P_AOC169/DO70_3P_mod.apr 2-1-05

F:\ArcGis\Vandenberg\DO70_3P_AOC169\do70_3p_mod1_sac_ne (Excavation Data West (Layout)) 18 MAY 05 10:06



169-EX07	MG/KG	PRG or BTV
08-04-04		
Benzo(k)fluoranthene (SIM)	0.0017	0.38 (prg)
Chrysene (SIM)	0.001	3.8 (prg)
PCB-1254 (Aroclor 1254)	0.578	0.22 (prg)
Pyrene (SIM)	0.0011	2300 (prg)
09-17-04		
PCB-1254 (Aroclor 1254)	0.0102	0.22 (prg)

169-EX08	MG/KG	PRG or BTV
08-04-04		
Benzo(a)anthracene (SIM)	0.0029	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0019	No limit established
Benzo(k)fluoranthene (SIM)	0.0082	0.38 (prg)
Chrysene (SIM)	0.005	3.8 (prg)
Fluoranthene (SIM)	0.0034	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.001	0.62 (prg)
PCB-1254 (Aroclor 1254)	0.127	0.22 (prg)
Phenanthrene (SIM)	0.0029	No limit established
Pyrene (SIM)	0.0054	2300 (prg)
Selenium (Total)	0.56*	0.5 (btv)

169-EX10	MG/KG	PRG or BTV
08-04-04		
Acenaphthene (SIM)	0.0108	3700 (prg)
Acenaphthylene (SIM)	0.0253	No limit established
Anthracene (SIM)	0.0562	22000 (prg)
Antimony (Total)	2.7*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.183	0.62 (prg)
Benzo(a)pyrene (SIM)	0.204	0.062 (prg)
Benzo(g,h,i)perylene (SIM)	0.0662	No limit established
Benzo(k)fluoranthene (SIM)	0.445	0.38 (prg)
Cadmium (Total)	34.1*	2 (btv)
Chromium (Total)	72.6*	63 (btv)
Chrysene (SIM)	0.244	3.8 (prg)
Cobalt (Total)	11.4*	6 (btv)
Copper (Total)	289*	127 (btv)
Dibenz(a,h)anthracene (SIM)	0.0232	0.062 (prg)
Fluoranthene (SIM)	0.272	2300 (prg)
Fluorene (SIM)	0.017	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0631	0.62 (prg)
Iron (Total)	49300*	35800 (btv)
Lead (Total)	226*	10 (btv)
Manganese (Total)	365*	233 (btv)
Molybdenum (Total)	7.3*	3 (btv)
Naphthalene (SIM)	0.0183	1.7 (prg)
PCB-1254 (Aroclor 1254)	6.23	0.22 (prg)
Phenanthrene (SIM)	0.138	No limit established
Pyrene (SIM)	0.359	2300 (prg)
Zinc (Total)	1420*	221 (btv)
09-17-04		
Benzo(a)anthracene (SIM)	0.0006	0.62 (prg)

169-EX03	MG/KG	PRG or BTV
08-04-04		
2-Methylnaphthalene (SIM)	0.003	No limit established
Anthracene (SIM)	0.0009	22000 (prg)
Benzo(k)fluoranthene (SIM)	0.001	0.38 (prg)
Benzo(k)fluoranthene (SIM) (dup)	0.0018	0.38 (prg)
Fluoranthene (SIM) (dup)	0.0009	2300 (prg)
Fluorene (SIM)	0.0013	2700 (prg)
PCB-1254 (Aroclor 1254)	0.149	0.22 (prg)
Phenanthrene (SIM)	0.0048	No limit established
Pyrene (SIM)	0.0018	2300 (prg)
Pyrene (SIM) (dup)	0.0013	2300 (prg)

169-EX06	MG/KG	PRG or BTV
08-04-04		
Benzo(a)anthracene (SIM)	0.001	0.62 (prg)
Benzo(k)fluoranthene (SIM)	0.0021	0.38 (prg)
Chrysene (SIM)	0.0011	3.8 (prg)
Fluoranthene (SIM)	0.0009	2300 (prg)
Lead (Total)	10.1*	10 (btv)
Pyrene (SIM)	0.0012	2300 (prg)

169-EX09	MG/KG	PRG or BTV
08-04-04		
Benzo(a)anthracene (SIM)	0.0016	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0023	0.062 (prg)
Benzo(g,h,i)perylene (SIM)	0.0013	No limit established
Benzo(k)fluoranthene (SIM)	0.0046	0.38 (prg)
Chrysene (SIM)	0.0029	3.8 (prg)
Fluoranthene (SIM)	0.0018	2300 (prg)
Lead (Total)	11*	10 (btv)
PCB-1254 (Aroclor 1254)	0.125	0.22 (prg)
Phenanthrene (SIM)	0.0014	No limit established
Pyrene (SIM)	0.0032	2300 (prg)
Selenium (Total)	0.69*	0.5 (btv)

169-EX05	MG/KG	PRG or BTV
08-04-04		
Arsenic (Total)	7.8*	5 (btv)
Benzo(a)anthracene (SIM)	0.002	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0019	0.062 (prg)
Benzo(g,h,i)perylene (SIM)	0.0015	No limit established
Benzo(k)fluoranthene (SIM)	0.0049	0.38 (prg)
Chrysene (SIM)	0.0028	3.8 (prg)
Fluoranthene (SIM)	0.0029	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0012	0.62 (prg)
Lead (Total)	13.2*	10 (btv)
PCB-1254 (Aroclor 1254)	0.119	0.22 (prg)
Phenanthrene (SIM)	0.0015	No limit established
Pyrene (SIM)	0.0039	2300 (prg)

169-EX02	MG/KG	PRG or BTV
08-04-04		
2-Methylnaphthalene (SIM)	0.013	No limit established
Acenaphthene (SIM)	0.0021	3700 (prg)
Anthracene (SIM)	0.0028	22000 (prg)
Benzo(a)anthracene (SIM)	0.0106	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0117	0.062 (prg)
Benzo(g,h,i)perylene (SIM)	0.0078	No limit established
Benzo(k)fluoranthene (SIM)	0.0245	0.38 (prg)
Chrysene (SIM)	0.0113	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0017	0.062 (prg)
Fluoranthene (SIM)	0.0083	2300 (prg)
Fluorene (SIM)	0.0025	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0062	0.62 (prg)
Lead (Total)	19.5*	10 (btv)
Mercury (Total)	1.4*	1 (btv)
Naphthalene (SIM)	0.0018	1.7 (prg)
PCB-1254 (Aroclor 1254)	0.0807	0.22 (prg)
Phenanthrene (SIM)	0.0142	No limit established
Pyrene (SIM)	0.0142	2300 (prg)
Silver (Total)	2.9*	2 (btv)

169-EX04	MG/KG	PRG or BTV
08-04-04		
Anthracene (SIM)	0.001	22000 (prg)
Antimony (Total)	0.63*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.0043	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0038	0.062 (prg)
Benzo(g,h,i)perylene (SIM)	0.0032	No limit established
Benzo(k)fluoranthene (SIM)	0.0126	0.38 (prg)
Chrysene (SIM)	0.0072	3.8 (prg)
Fluoranthene (SIM)	0.0091	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0023	0.62 (prg)
Lead (Total)	39.6*	10 (btv)
PCB-1254 (Aroclor 1254)	0.498	0.22 (prg)
Phenanthrene (SIM)	0.0044	No limit established
Pyrene (SIM)	0.0103	2300 (prg)

169-EX11	MG/KG	PRG or BTV
08-04-04		
2-Methylnaphthalene (SIM)	0.0025	No limit established
Acenaphthene (SIM)	0.0033	3700 (prg)
Acenaphthylene (SIM)	0.0022	No limit established
Anthracene (SIM)	0.0048	22000 (prg)
Benzo(a)anthracene (SIM)	0.0422	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0375	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0561	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0127	No limit established
Benzo(k)fluoranthene (SIM)	0.0324	0.38 (prg)
Cadmium (Total)	4.8*	2 (btv)
Chrysene (SIM)	0.0479	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0054	0.062 (prg)
Fluoranthene (SIM)	0.037	2300 (prg)
Fluorene (SIM)	0.0022	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0125	0.62 (prg)
Lead (Total)	37.4*	10 (btv)
PCB-1254 (Aroclor 1254)	1.24	0.22 (prg)
Phenanthrene (SIM)	0.0259	No limit established
Pyrene (SIM)	0.0651	2300 (prg)
09-17-04		
PCB-1254 (Aroclor 1254)	0.0019	0.22 (prg)

169-EX01	MG/KG	PRG or BTV
08-04-04		
Antimony (Total)	1.2*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.0282	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0226	0.062 (prg)
Benzo(g,h,i)perylene (SIM)	0.0357	No limit established
Benzo(k)fluoranthene (SIM)	0.0547	0.38 (prg)
Cadmium (Total)	2.3*	2 (btv)
Chrysene (SIM)	0.0337	3.8 (prg)
Cobalt (Total)	6.3*	6 (btv)
Fluoranthene (SIM)	0.0258	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.022	0.62 (prg)
Lead (Total)	50.9*	10 (btv)
Mercury (Total)	2.8*	1 (btv)
PCB-1254 (Aroclor 1254)	0.143	0.22 (prg)
Phenanthrene (SIM)	0.0127	No limit established
Pyrene (SIM)	0.0358	2300 (prg)
Silver (Total)	12.2*	2 (btv)
Zinc (Total)	309*	221 (btv)

169-EX12	MG/KG	PRG or BTV
08-04-04		
Benzo(b)fluoranthene (SIM)	0.0016	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0009	No limit established
Benzo(k)fluoranthene (SIM)	0.0014	0.38 (prg)
Lead (Total)	12.2*	10 (btv)
PCB-1254 (Aroclor 1254)	0.854	0.22 (prg)
Pyrene (SIM)	0.0011	2300 (prg)
09-17-04		
PCB-1254 (Aroclor 1254)	0.0454	0.22 (prg)

169-EX40	MG/KG	PRG or BTV
09-29-04		
Antimony (Total)	0.52*	0.4 (btv)
Lead (Total)	24.7*	10 (btv)
PCB-1016 (Aroclor 1016)	0.0013	3.9 (prg)
Selenium (Total)	0.81*	0.5 (btv)
Silver (Total)	3.3*	2 (btv)

169-EX47	MG/KG	PRG or BTV
08-12-04		
Benzo(a)anthracene (SIM)	0.006	0.62 (prg)
Benzo(a)pyrene (SIM)	0.003	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.014	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.002	No limit established
Benzo(k)fluoranthene (SIM)	0.0023	0.38 (prg)
Chrysene (SIM)	0.0065	3.8 (prg)
Fluoranthene (SIM)	0.0067	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0021	0.62 (prg)
PCB-1254 (Aroclor 1254)	0.251	0.22 (prg)
Phenanthrene (SIM)	0.0056	No limit established
Pyrene (SIM)	0.0282	2300 (prg)
Selenium (Total)	0.65*	0.5 (btv)
09-24-04		
PCB-1254 (Aroclor 1254)	0.0335	0.22 (prg)

169-EX46	MG/KG	PRG or BTV
08-12-04		
Benzo(b)fluoranthene (SIM)	0.0111	0.62 (prg)
PCB-1254 (Aroclor 1254)	0.0581	0.22 (prg)
Selenium (Total)	0.59*	0.5 (btv)

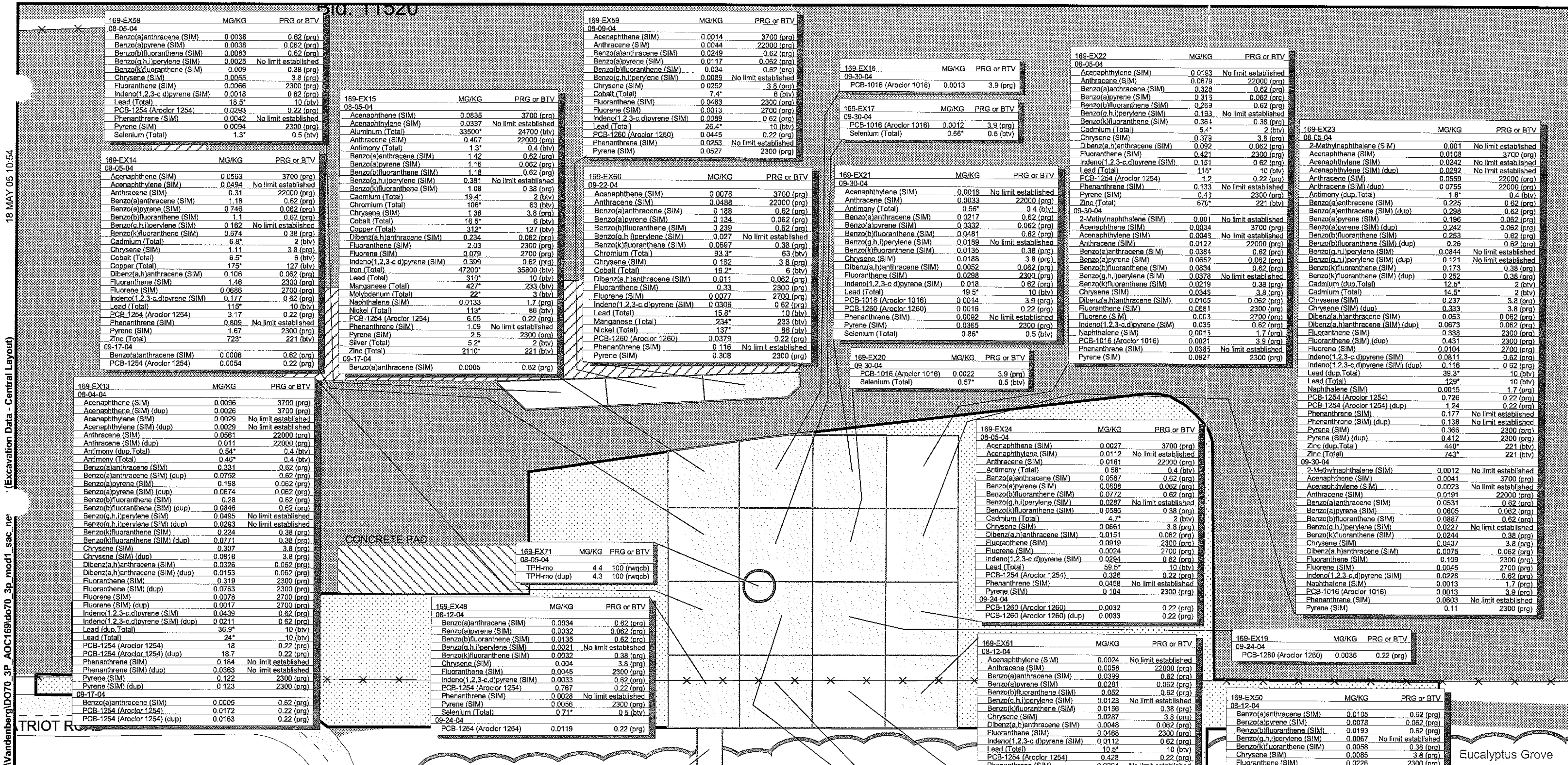
169-EX41	MG/KG	PRG or BTV
09-29-04		
Antimony (Total)	0.51*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.0022	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0006	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0011	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0008	No limit established
Lead (Total)	17.8*	10 (btv)
PCB-1254 (Aroclor 1254)	0.112	0.22 (prg)
Selenium (Total)	0.89*	0.5 (btv)

169-EX42	MG/KG	PRG or BTV
09-29-04		
Lead (Total)	10.4*	10 (btv)
PCB-1254 (Aroclor 1254)	0.289	0.22 (prg)
Selenium (Total)	0.77*	0.5 (btv)
10-13-04		
PCB-1016 (Aroclor 1016)	0.0331	3.9 (prg)
PCB-1260 (Aroclor 1260)	0.0387	0.22 (prg)

169-EX45	MG/KG	PRG or BTV
08-12-04		
PCB-1254 (Aroclor 1254)	0.0162	0.22 (prg)
Selenium (Total)	0.56*	0.5 (btv)

169-EX43	MG/KG	PRG or BTV
09-29-04		
2-Methylnaphthalene (SIM)	0.001	No limit established
Benzo(a)pyrene (SIM)	0.0019	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0041	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0102	No limit established
Chrysene (SIM)	0.0044	3.8 (prg)
Fluoranthene (SIM)	0.0013	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0027	0.62 (prg)
Naphthalene (SIM)	0.0012	1.7 (prg)
PCB-1016 (Aroclor 1016) (dup)	0.0016	3.9 (prg)
PCB-1254 (Aroclor 1254)	0.209	0.22 (prg)
Pyrene (SIM)	0.0017	2300 (prg)

169-EX44	MG/KG	PRG or BTV
09-02-04		
PCB-1254 (Aroclor 1254)	0.971	0.22 (prg)
09-30-04		
PCB-1016 (Aroclor 1016)	0.0012	3.9 (prg)
Selenium (Total)	0.55*	0.5 (btv)



169-EX58	MG/KG	PRG or BTV
08-05-04		
Benzo(a)anthracene (SIM)	0.0038	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0038	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0083	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0025	No limit established
Benzo(k)fluoranthene (SIM)	0.009	0.38 (prg)
Chrysene (SIM)	0.0055	3.8 (prg)
Fluoranthene (SIM)	0.0066	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0018	0.62 (prg)
Lead (Total)	18.5*	10 (btv)
PCB-1254 (Aroclor 1254)	0.0293	0.22 (prg)
Phenanthrene (SIM)	0.0042	No limit established
Pyrene (SIM)	0.0094	2300 (prg)
Selenium (Total)	1.3*	0.5 (btv)

169-EX14	MG/KG	PRG or BTV
08-05-04		
Acenaphthene (SIM)	0.0563	3700 (prg)
Acenaphthylene (SIM)	0.0494	No limit established
Anthracene (SIM)	0.31	22000 (prg)
Benzo(a)anthracene (SIM)	1.18	0.62 (prg)
Benzo(a)pyrene (SIM)	0.746	0.062 (prg)
Benzo(b)fluoranthene (SIM)	1.1	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.162	No limit established
Benzo(k)fluoranthene (SIM)	0.674	0.38 (prg)
Cadmium (Total)	6.8*	2 (btv)
Chrysene (SIM)	1.11	3.8 (prg)
Cobalt (Total)	6.5*	6 (btv)
Copper (Total)	175*	127 (btv)
Dibenz(a,h)anthracene (SIM)	0.106	0.062 (prg)
Fluoranthene (SIM)	1.46	2300 (prg)
Fluorene (SIM)	0.0686	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.177	0.62 (prg)
Lead (Total)	115*	10 (btv)
PCB-1254 (Aroclor 1254)	3.17	0.22 (prg)
Phenanthrene (SIM)	0.809	No limit established
Pyrene (SIM)	1.67	2300 (prg)
Zinc (Total)	723*	221 (btv)
09-17-04		
Benzo(a)anthracene (SIM)	0.0006	0.62 (prg)
PCB-1254 (Aroclor 1254)	0.0054	0.22 (prg)

169-EX13	MG/KG	PRG or BTV
08-04-04		
Acenaphthene (SIM)	0.0096	3700 (prg)
Acenaphthene (SIM) (dup)	0.0026	3700 (prg)
Acenaphthylene (SIM)	0.0029	No limit established
Acenaphthylene (SIM) (dup)	0.0029	No limit established
Anthracene (SIM)	0.0561	22000 (prg)
Anthracene (SIM) (dup)	0.011	22000 (prg)
Antimony (dup,Total)	0.54*	0.4 (btv)
Antimony (Total)	0.46*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.331	0.62 (prg)
Benzo(a)anthracene (SIM) (dup)	0.0752	0.62 (prg)
Benzo(a)pyrene (SIM)	0.198	0.062 (prg)
Benzo(a)pyrene (SIM) (dup)	0.0674	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.28	0.62 (prg)
Benzo(b)fluoranthene (SIM) (dup)	0.0846	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0495	No limit established
Benzo(g,h,i)perylene (SIM) (dup)	0.0293	No limit established
Benzo(k)fluoranthene (SIM)	0.224	0.38 (prg)
Benzo(k)fluoranthene (SIM) (dup)	0.0771	0.38 (prg)
Chrysene (SIM)	0.307	3.8 (prg)
Chrysene (SIM) (dup)	0.0818	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0326	0.062 (prg)
Dibenz(a,h)anthracene (SIM) (dup)	0.0153	0.062 (prg)
Fluoranthene (SIM)	0.319	2300 (prg)
Fluoranthene (SIM) (dup)	0.0763	2300 (prg)
Fluorene (SIM)	0.0078	2700 (prg)
Fluorene (SIM) (dup)	0.0017	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0439	0.62 (prg)
Indeno(1,2,3-c,d)pyrene (SIM) (dup)	0.0211	0.62 (prg)
Lead (dup,Total)	36.9*	10 (btv)
Lead (Total)	24*	10 (btv)
PCB-1254 (Aroclor 1254)	18	0.22 (prg)
PCB-1254 (Aroclor 1254) (dup)	18.7	0.22 (prg)
Phenanthrene (SIM)	0.184	No limit established
Phenanthrene (SIM) (dup)	0.0363	No limit established
Pyrene (SIM)	0.122	2300 (prg)
Pyrene (SIM) (dup)	0.123	2300 (prg)
09-17-04		
Benzo(a)anthracene (SIM)	0.0005	0.62 (prg)
PCB-1254 (Aroclor 1254)	0.0172	0.22 (prg)
PCB-1254 (Aroclor 1254) (dup)	0.0163	0.22 (prg)

169-EX15	MG/KG	PRG or BTV
08-05-04		
Acenaphthene (SIM)	0.0835	3700 (prg)
Acenaphthylene (SIM)	0.0337	No limit established
Aluminum (Total)	33500*	24700 (btv)
Anthracene (SIM)	0.407	22000 (prg)
Antimony (Total)	1.3*	0.4 (btv)
Benzo(a)anthracene (SIM)	1.42	0.62 (prg)
Benzo(a)pyrene (SIM)	1.16	0.062 (prg)
Benzo(b)fluoranthene (SIM)	1.18	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.381	No limit established
Benzo(k)fluoranthene (SIM)	1.08	0.38 (prg)
Cadmium (Total)	19.4*	2 (btv)
Chromium (Total)	106*	63 (btv)
Chrysene (SIM)	1.36	3.8 (prg)
Cobalt (Total)	16.5*	6 (btv)
Copper (Total)	312*	127 (btv)
Dibenz(a,h)anthracene (SIM)	0.234	0.062 (prg)
Fluoranthene (SIM)	2.03	2300 (prg)
Fluorene (SIM)	0.079	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.399	0.62 (prg)
Iron (Total)	47200*	35800 (btv)
Lead (Total)	310*	10 (btv)
Manganese (Total)	427*	233 (btv)
Molybdenum (Total)	22*	3 (btv)
Naphthalene (SIM)	0.0133	1.7 (prg)
Nickel (Total)	113*	86 (btv)
PCB-1254 (Aroclor 1254)	6.05	0.22 (prg)
Phenanthrene (SIM)	1.09	No limit established
Pyrene (SIM)	2.5	2300 (prg)
Silver (Total)	5.2*	2 (btv)
Zinc (Total)	2110*	221 (btv)
09-17-04		
Benzo(a)anthracene (SIM)	0.0005	0.62 (prg)

169-EX59	MG/KG	PRG or BTV
08-09-04		
Acenaphthene (SIM)	0.0014	3700 (prg)
Anthracene (SIM)	0.0044	22000 (prg)
Benzo(a)anthracene (SIM)	0.0249	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0117	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.034	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0089	No limit established
Chrysene (SIM)	0.0252	3.8 (prg)
Cobalt (Total)	7.4*	6 (btv)
Fluoranthene (SIM)	0.0463	2300 (prg)
Fluorene (SIM)	0.0013	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0089	0.62 (prg)
Lead (Total)	26.4*	10 (btv)
PCB-1260 (Aroclor 1260)	0.0445	0.22 (prg)
Phenanthrene (SIM)	0.0253	No limit established
Pyrene (SIM)	0.0527	2300 (prg)

169-EX60	MG/KG	PRG or BTV
09-22-04		
Acenaphthene (SIM)	0.0078	3700 (prg)
Anthracene (SIM)	0.0488	22000 (prg)
Benzo(a)anthracene (SIM)	0.188	0.62 (prg)
Benzo(a)pyrene (SIM)	0.134	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.239	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.027	No limit established
Benzo(k)fluoranthene (SIM)	0.0697	0.38 (prg)
Chromium (Total)	93.3*	63 (btv)
Chrysene (SIM)	0.182	3.8 (prg)
Cobalt (Total)	19.2*	6 (btv)
Dibenz(a,h)anthracene (SIM)	0.011	0.062 (prg)
Fluoranthene (SIM)	0.33	2300 (prg)
Fluorene (SIM)	0.0077	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0306	0.62 (prg)
Lead (Total)	15.8*	10 (btv)
Manganese (Total)	234*	233 (btv)
Nickel (Total)	137*	86 (btv)
PCB-1260 (Aroclor 1260)	0.0379	0.22 (prg)
Phenanthrene (SIM)	0.116	No limit established
Pyrene (SIM)	0.308	2300 (prg)

169-EX16	MG/KG	PRG or BTV
09-30-04		
PCB-1016 (Aroclor 1016)	0.0013	3.9 (prg)

169-EX17	MG/KG	PRG or BTV
09-30-04		
PCB-1016 (Aroclor 1016)	0.0012	3.9 (prg)
Selenium (Total)	0.66*	0.5 (btv)

169-EX21	MG/KG	PRG or BTV
09-30-04		
Acenaphthylene (SIM)	0.0018	No limit established
Anthracene (SIM)	0.0033	22000 (prg)
Antimony (Total)	0.56*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.0217	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0332	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0481	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0189	No limit established
Benzo(k)fluoranthene (SIM)	0.0135	0.38 (prg)
Chrysene (SIM)	0.0188	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0052	0.062 (prg)
Fluoranthene (SIM)	0.0298	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.018	0.62 (prg)
Lead (Total)	19.5*	10 (btv)
PCB-1016 (Aroclor 1016)	0.0014	3.9 (prg)
PCB-1260 (Aroclor 1260)	0.0016	0.22 (prg)
Phenanthrene (SIM)	0.0092	No limit established
Pyrene (SIM)	0.0365	2300 (prg)
Selenium (Total)	0.86*	0.5 (btv)

169-EX20	MG/KG	PRG or BTV
09-30-04		
PCB-1016 (Aroclor 1016)	0.0022	3.9 (prg)
Selenium (Total)	0.57*	0.5 (btv)

169-EX22	MG/KG	PRG or BTV
08-05-04		
Acenaphthylene (SIM)	0.0193	No limit established
Anthracene (SIM)	0.0679	22000 (prg)
Benzo(a)anthracene (SIM)	0.328	0.62 (prg)
Benzo(a)pyrene (SIM)	0.316	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.269	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.193	No limit established
Benzo(k)fluoranthene (SIM)	0.364	0.38 (prg)
Cadmium (Total)	5.4*	2 (btv)
Chrysene (SIM)	0.379	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.092	0.062 (prg)
Fluoranthene (SIM)	0.421	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.151	0.62 (prg)
Lead (Total)	115*	10 (btv)
PCB-1254 (Aroclor 1254)	1.2	0.22 (prg)
Phenanthrene (SIM)	0.133	No limit established
Pyrene (SIM)	0.43	2300 (prg)
Zinc (Total)	670*	221 (btv)
09-30-04		
2-Methylnaphthalene (SIM)	0.001	No limit established
Acenaphthene (SIM)	0.0034	3700 (prg)
Acenaphthylene (SIM)	0.0043	No limit established
Anthracene (SIM)	0.0122	22000 (prg)
Benzo(a)anthracene (SIM)	0.0384	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0652	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0834	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0378	No limit established
Benzo(k)fluoranthene (SIM)	0.0219	0.38 (prg)
Chrysene (SIM)	0.0346	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0105	0.062 (prg)
Fluoranthene (SIM)	0.0681	2300 (prg)
Fluorene (SIM)	0.003	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.035	0.62 (prg)
Naphthalene (SIM)	0.0015	1.7 (prg)
PCB-1016 (Aroclor 1016)	0.0021	3.9 (prg)
Phenanthrene (SIM)	0.0385	No limit established
Pyrene (SIM)	0.0827	2300 (prg)

169-EX23	MG/KG	PRG or BTV
08-05-04		
2-Methylnaphthalene (SIM)	0.001	No limit established
Acenaphthene (SIM)	0.0108	3700 (prg)
Acenaphthylene (SIM)	0.0242	No limit established
Acenaphthylene (SIM) (dup)	0.0292	No limit established
Anthracene (SIM)	0.0559	22000 (prg)
Anthracene (SIM) (dup)	0.0755	22000 (prg)
Antimony (dup,Total)	1.6*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.225	0.62 (prg)
Benzo(a)anthracene (SIM) (dup)	0.298	0.62 (prg)
Benzo(a)pyrene (SIM)	0.196	0.062 (prg)
Benzo(a)pyrene (SIM) (dup)	0.242	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.253	0.62 (prg)
Benzo(b)fluoranthene (SIM) (dup)	0.26	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0844	No limit established
Benzo(g,h,i)perylene (SIM) (dup)	0.121	No limit established
Benzo(k)fluoranthene (SIM)	0.173	0.38 (prg)
Benzo(k)fluoranthene (SIM) (dup)	0.252	0.38 (prg)
Cadmium (dup,Total)	12.5*	2 (btv)
Cadmium (Total)	14.5*	2 (btv)
Chrysene (SIM)	0.237	3.8 (prg)
Chrysene (SIM) (dup)	0.333	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.053	0.062 (prg)
Dibenz(a,h)anthracene (SIM) (dup)	0.0673	0.062 (prg)
Fluoranthene (SIM)	0.338	2300 (prg)
Fluoranthene (SIM) (dup)	0.431	2300 (prg)
Fluorene (SIM)	0.0104	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0811	0.62 (prg)
Indeno(1,2,3-c,d)pyrene (SIM) (dup)	0.116	0.62 (prg)
Lead (dup,Total)	39.3*	10 (btv)
Lead (Total)	129*	10 (btv)
Naphthalene (SIM)	0.0015	1.7 (prg)
PCB-1254 (Aroclor 1254)	0.726	0.22 (prg)
PCB-1254 (Aroclor 1254) (dup)	1.24	0.22 (prg)
Phenanthrene (SIM)	0.177	No limit established
Phenanthrene (SIM) (dup)	0.138	No limit established
Pyrene (SIM)	0.366	2300 (prg)
Pyrene (SIM) (dup)	0.412	2300 (prg)
Zinc (dup,Total)	440*	221 (btv)
Zinc (Total)	743*	221 (btv)
09-30-04		
2-Methylnaphthalene (SIM)	0.0012	No limit established
Acenaphthene (SIM)	0.0041	3700 (prg)
Acenaphthylene (SIM)	0.0023	No limit established
Anthracene (SIM)	0.0191	22000 (prg)
Benzo(a)anthracene (SIM)	0.0531	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0605	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0887	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0227	No limit established
Benzo(k)fluoranthene (SIM)	0.0244	0.38 (prg)
Chrysene (SIM)	0.0437	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0075	0.062 (prg)
Fluoranthene (SIM)	0.109	2300 (prg)
Fluorene (SIM)	0.0045	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0228	0.62 (prg)
Naphthalene (SIM)	0.0013	1.7 (prg)
PCB-1016 (Aroclor 1016)	0.0013	3.9 (prg)
Phenanthrene (SIM)	0.0603	No limit established
Pyrene (SIM)	0.11	2300 (prg)

169-EX24	MG/KG	PRG or BTV
08-05-04		
Acenaphthene (SIM)	0.0027	3700 (prg)
Acenaphthylene (SIM)	0.0112	No limit established
Anthracene (SIM)	0.0161	22000 (prg)
Antimony (Total)	0.56*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.0587	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0608	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0772	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0287	No limit established
Benzo(k)fluoranthene (SIM)	0.0585	0.38 (prg)
Cadmium (Total)	4.7*	2 (btv)
Chrysene (SIM)	0.0661	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0151	0.062 (prg)
Fluoranthene (SIM)	0.0919	2300 (prg)
Fluorene (SIM)	0.0024	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0294	0.62 (prg)
Lead (Total)	59.5*	10 (btv)
PCB-1254 (Aroclor 1254)	0.326	0.22 (prg)
Phenanthrene (SIM)	0.0458	No limit established
Pyrene (SIM)	0.104	2300 (prg)
09-24-04		
PCB-1260 (Aroclor 1260)	0.0032	0.22 (prg)
PCB-1260 (Aroclor 1260) (dup)	0.0033	0.22 (prg)

169-EX71	MG/KG	PRG or BTV
08-05-04		
TPH-mo	4.4	100 (rwqcb)
TPH-mo (dup)	4.3	100 (rwqcb)

169-EX48	MG/KG	PRG or BTV
08-12-04		
Benzo(a)anthracene (SIM)	0.0034	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0032	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0135	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0021	No limit established
Benzo(k)fluoranthene (SIM)	0.0032	0.38 (prg)
Chrysene (SIM)	0.004	3.8 (prg)
Fluoranthene (SIM)	0.0045	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0033	0.62 (prg)
PCB-1254 (Aroclor 1254)	0.767	0.22 (prg)
Phenanthrene (SIM)	0.0028	No limit established
Pyrene (SIM)	0.0056	2300 (prg)
Selenium (Total)	0.71*	0.5 (btv)
09-24-04		
PCB-1254 (Aroclor 1254)	0.0119	0.22 (prg)

169-EX51	MG/KG	PRG or BTV
08-12-04		
Acenaphthylene (SIM)	0.0024	No limit established
Anthracene (SIM)	0.0058	22000 (prg)
Benzo(a)anthracene (SIM)	0.0399	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0281	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.052	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0123	No limit established
Benzo(k)fluoranthene (SIM)	0.0156	0.38 (prg)
Chrysene (SIM)	0.0287	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0048	0.062 (prg)
Fluoranthene (SIM)	0.0468	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0112	0.62 (prg)
Lead (Total)	10.5*	10 (btv)
PCB-1254 (Aroclor 1254)	0.428	0.22 (prg)
Phenanthrene (SIM)	0.0294	No limit established
Pyrene (SIM)	0.0605	2300 (prg)

169-EX19	MG/KG	PRG or BTV
09-24-04		
PCB-1260 (Aroclor 1260)	0.0036	0.22 (prg)

169-EX50	MG/KG	PRG or BTV
08-12-04		
Benzo(a)anthracene (SIM)	0.0105	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0078	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0193	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0067	No limit established
Benzo(k)fluoranthene (SIM)	0.0058	0.38 (prg)
Chrysene (SIM)	0.0085	3.8 (prg)
Fluoranthene (SIM)	0.0226	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0037	0.62 (prg)
Lead (Total)	27.9*	10 (btv)
Phenanthrene (SIM)	0.0067	No limit established
Selenium (Total)	0.61*	0.5 (btv)

169-EX18	MG/KG	PRG or BTV
09-24-04		
Benzo(a)anthracene (SIM)	0.0005	0.62 (prg)
PCB-1260 (Aroclor 1260)	0.0066	0.22 (prg)

169-EX64	MG/KG	PRG or BTV
08-12-04		
PCB-1254 (Aroclor 1254)	0.0051	0.22 (prg)
Selenium (Total)	0.52*	0.5 (btv)

169-EX49	MG/KG	PRG or BTV
08-12-04		
Arsenic (Total)	5.8*	5 (btv)
Benzo(a)anthracene (SIM)	0.0042	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0032	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0133	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0019	No limit established
Benzo(k)fluoranthene (SIM)	0.003	0.38 (prg)
Chrysene (SIM)	0.0043	3.8 (prg)
Fluoranthene (SIM)	0.0062	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0018	0.62 (prg)
PCB-1254 (Aroclor 1254)	1.42	0.22 (prg)
Phenanthrene (SIM)	0.0065	No limit established
Pyrene (SIM)	0.0096	2300 (prg)
Selenium (Total)	0.85*	0.5 (btv)

LEGEND

Excavation Depth: 0.67

Excavation Depth: 1.3 - 1.5

Excavation Depth: 2.0

Fence

Streets

Buildings (Demolished)

Paved Area

Composite Sample Location ID — Units — Screening Level Type

Sample Date →

169-EX52	MG/KG	PRG or BTV
09/12/04		
Benzo(a)anthracene	0.0023	0.62 (prg)

Analyte — Result — Screening Level

Hot spot excavation

Notes:
Multiple sample dates indicate cell was over excavated and resampled and targeted analytes were detected at less than action levels

*Metal concentration exceeds BTV

40 0 40 Feet

SCALE
1"=40'
1:480

MWH

UNITED STATES AIR FORCE
VANDENBERG AIR FORCE BASE

AOC-169
Excavation Area Confirmation
Sample Locations and Analytical Data
Central

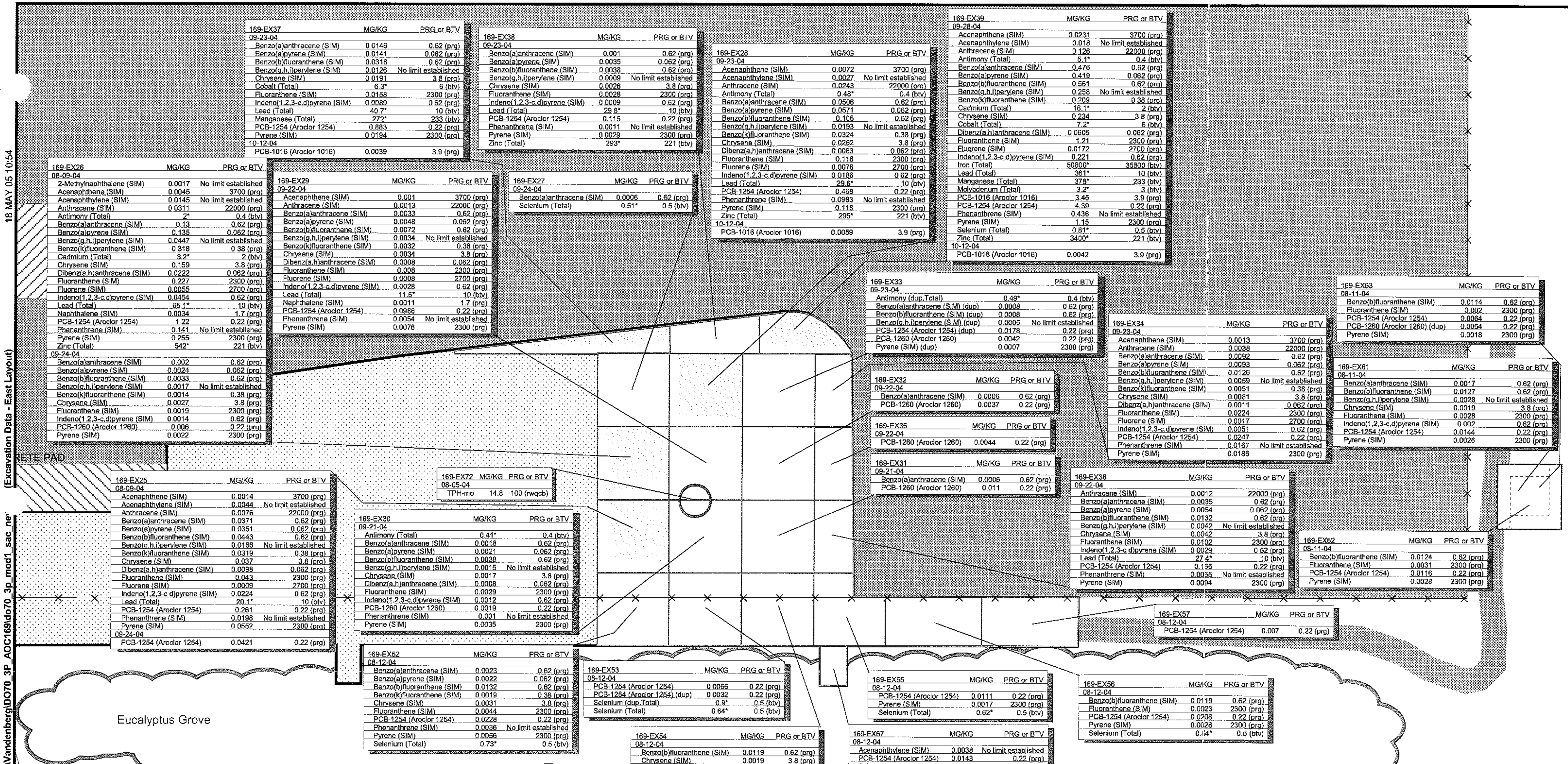
Figure AOC-169e

F:\ArcGis\Vandenberg\DO70_3P_AOC169\do70_3p_mod1_sac_ne' (Excavation Data - Central Layout) 18 MAY 05 10:54

18 MAY 05 10:54

(Excavation Data - East Layout)

F:\ArcGis\Vandenberg\DO70_3P_AOC169\do70_3p_mod1_sac_ne



169-EX37	MG/KG	PRG or BTV
09-23-04		
Benzo(a)anthracene (SIM)	0 0146	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0141	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0318	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0126	No limit established
Chrysene (SIM)	0 0191	3.8 (prg)
Cobalt (Total)	6.3*	6 (btv)
Fluoranthene (SIM)	0.0158	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0089	0 62 (prg)
Lead (Total)	40.7*	10 (btv)
Manganese (Total)	272*	233 (btv)
PCB-1254 (Aroclor 1254)	0.883	0.22 (prg)
Pyrene (SIM)	0 0194	2300 (prg)
10-12-04		
PCB-1016 (Aroclor 1016)	0.0039	3.9 (prg)

169-EX38	MG/KG	PRG or BTV
09-23-04		
Benzo(a)anthracene (SIM)	0.001	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0035	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0038	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0009	No limit established
Chrysene (SIM)	0.0026	3.8 (prg)
Fluoranthene (SIM)	0.0028	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0009	0.62 (prg)
Lead (Total)	29 8*	10 (btv)
PCB-1254 (Aroclor 1254)	0.115	0.22 (prg)
Phenanthrene (SIM)	0.0011	No limit established
Pyrene (SIM)	0 0029	2300 (prg)
Zinc (Total)	293*	221 (btv)

169-EX28	MG/KG	PRG or BTV
09-23-04		
Acenaphthene (SIM)	0.0072	3700 (prg)
Acenaphthylene (SIM)	0.0027	No limit established
Anthracene (SIM)	0.0243	22000 (prg)
Antimony (Total)	0.48*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.0506	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0571	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.106	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0193	No limit established
Benzo(k)fluoranthene (SIM)	0.0324	0.38 (prg)
Chrysene (SIM)	0.0262	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0063	0.062 (prg)
Fluoranthene (SIM)	0.118	2300 (prg)
Fluorene (SIM)	0.0076	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0186	0 62 (prg)
Lead (Total)	29.6*	10 (btv)
PCB-1254 (Aroclor 1254)	0.468	0.22 (prg)
Phenanthrene (SIM)	0.0983	No limit established
Pyrene (SIM)	0.118	2300 (prg)
Zinc (Total)	295*	221 (btv)
10-12-04		
PCB-1016 (Aroclor 1016)	0.0059	3.9 (prg)

169-EX39	MG/KG	PRG or BTV
09-28-04		
Acenaphthene (SIM)	0.0231	3700 (prg)
Acenaphthylene (SIM)	0.018	No limit established
Anthracene (SIM)	0 126	22000 (prg)
Antimony (Total)	5.1*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.476	0.62 (prg)
Benzo(a)pyrene (SIM)	0.419	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.561	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.258	No limit established
Benzo(k)fluoranthene (SIM)	0.209	0 38 (prg)
Cadmium (Total)	16.1*	2 (btv)
Chrysene (SIM)	0.234	3 8 (prg)
Cobalt (Total)	7.2*	6 (btv)
Dibenz(a,h)anthracene (SIM)	0 0605	0.062 (prg)
Fluoranthene (SIM)	1.21	2300 (prg)
Fluorene (SIM)	0.0172	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.221	0.62 (prg)
Iron (Total)	50800*	35800 (btv)
Lead (Total)	361*	10 (btv)
Manganese (Total)	378*	233 (btv)
Molybdenum (Total)	3.2*	3 (btv)
PCB-1016 (Aroclor 1016)	3.45	3.9 (prg)
PCB-1254 (Aroclor 1254)	4.39	0.22 (prg)
Phenanthrene (SIM)	0.436	No limit established
Pyrene (SIM)	1.15	2300 (prg)
Selenium (Total)	0.81*	0.5 (btv)
Zinc (Total)	3400*	221 (btv)
10-12-04		
PCB-1016 (Aroclor 1016)	0.0042	3.9 (prg)

169-EX26	MG/KG	PRG or BTV
08-09-04		
2-Methylnaphthalene (SIM)	0.0017	No limit established
Acenaphthene (SIM)	0.0045	3700 (prg)
Acenaphthylene (SIM)	0.0145	No limit established
Anthracene (SIM)	0 0311	22000 (prg)
Antimony (Total)	2*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.13	0.62 (prg)
Benzo(a)pyrene (SIM)	0.135	0.062 (prg)
Benzo(g,h,i)perylene (SIM)	0.0447	No limit established
Benzo(k)fluoranthene (SIM)	0 318	0 38 (prg)
Cadmium (Total)	3.2*	2 (btv)
Chrysene (SIM)	0.159	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0222	0.062 (prg)
Fluoranthene (SIM)	0.227	2300 (prg)
Fluorene (SIM)	0.0055	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0454	0.62 (prg)
Lead (Total)	65.1*	10 (btv)
Naphthalene (SIM)	0.0034	1.7 (prg)
PCB-1254 (Aroclor 1254)	1.22	0.22 (prg)
Phenanthrene (SIM)	0.141	No limit established
Pyrene (SIM)	0.255	2300 (prg)
Zinc (Total)	542*	221 (btv)
09-24-04		
Benzo(a)anthracene (SIM)	0.002	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0024	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0033	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0017	No limit established
Benzo(k)fluoranthene (SIM)	0.0014	0.38 (prg)
Chrysene (SIM)	0.0027	3.8 (prg)
Fluoranthene (SIM)	0.0019	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0014	0.62 (prg)
PCB-1260 (Aroclor 1260)	0.006	0.22 (prg)
Pyrene (SIM)	0.0022	2300 (prg)

169-EX29	MG/KG	PRG or BTV
09-22-04		
Acenaphthene (SIM)	0.001	3700 (prg)
Anthracene (SIM)	0.0013	22000 (prg)
Benzo(a)anthracene (SIM)	0.0033	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0048	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0072	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0034	No limit established
Benzo(k)fluoranthene (SIM)	0.0032	0.38 (prg)
Chrysene (SIM)	0.0034	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0008	0.062 (prg)
Fluoranthene (SIM)	0.008	2300 (prg)
Fluorene (SIM)	0.0008	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0028	0 62 (prg)
Lead (Total)	11.6*	10 (btv)
Naphthalene (SIM)	0.0011	1.7 (prg)
PCB-1254 (Aroclor 1254)	0.0986	0.22 (prg)
Phenanthrene (SIM)	0.0054	No limit established
Pyrene (SIM)	0.0076	2300 (prg)

169-EX27	MG/KG	PRG or BTV
09-24-04		
Benzo(a)anthracene (SIM)	0.0006	0.62 (prg)
Selenium (Total)	0.51*	0.5 (btv)

169-EX33	MG/KG	PRG or BTV
09-23-04		
Antimony (dup,Total)	0.49*	0.4 (btv)
Benzo(a)anthracene (SIM) (dup)	0.0008	0.62 (prg)
Benzo(b)fluoranthene (SIM) (dup)	0.0008	0.62 (prg)
Benzo(g,h,i)perylene (SIM) (dup)	0.0005	No limit established
PCB-1254 (Aroclor 1254) (dup)	0.0178	0.22 (prg)
PCB-1260 (Aroclor 1260)	0.0042	0.22 (prg)
Pyrene (SIM) (dup)	0.0007	2300 (prg)

169-EX63	MG/KG	PRG or BTV
08-11-04		
Benzo(b)fluoranthene (SIM)	0.0114	0.62 (prg)
Fluoranthene (SIM)	0.002	2300 (prg)
PCB-1254 (Aroclor 1254)	0.0064	0.22 (prg)
PCB-1260 (Aroclor 1260) (dup)	0.0054	0.22 (prg)
Pyrene (SIM)	0.0018	2300 (prg)

169-EX34	MG/KG	PRG or BTV
09-23-04		
Acenaphthene (SIM)	0.0013	3700 (prg)
Anthracene (SIM)	0.0038	22000 (prg)
Benzo(a)anthracene (SIM)	0.0092	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0093	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0126	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0059	No limit established
Benzo(k)fluoranthene (SIM)	0.0051	0.38 (prg)
Chrysene (SIM)	0.0081	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0011	0.062 (prg)
Fluoranthene (SIM)	0.0224	2300 (prg)
Fluorene (SIM)	0.0017	2700 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0051	0.62 (prg)
PCB-1254 (Aroclor 1254)	0.0247	0.22 (prg)
Phenanthrene (SIM)	0.0167	No limit established
Pyrene (SIM)	0.0186	2300 (prg)

169-EX32	MG/KG	PRG or BTV
09-22-04		
Benzo(a)anthracene (SIM)	0.0006	0 62 (prg)
PCB-1260 (Aroclor 1260)	0.0037	0.22 (prg)

169-EX61	MG/KG	PRG or BTV
08-11-04		
Benzo(a)anthracene (SIM)	0.0017	0.62 (prg)
Benzo(b)fluoranthene (SIM)	0.0127	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0028	No limit established
Chrysene (SIM)	0.0019	3.8 (prg)
Fluoranthene (SIM)	0.0028	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.002	0.62 (prg)
PCB-1254 (Aroclor 1254)	0.0144	0.22 (prg)
Pyrene (SIM)	0.0026	2300 (prg)

169-EX35	MG/KG	PRG or BTV
09-22-04		
PCB-1260 (Aroclor 1260)	0.0044	0.22 (prg)

169-EX31	MG/KG	PRG or BTV
09-21-04		
Benzo(a)anthracene (SIM)	0.0006	0.62 (prg)
PCB-1260 (Aroclor 1260)	0.011	0.22 (prg)

169-EX72	MG/KG	PRG or BTV
08-05-04		
TPH-mo	14.8	100 (rwqcb)

169-EX25	MG/KG	PRG or BTV
08-09-04		
Acenaphthene (SIM)	0.0014	3700 (prg)
Acenaphthylene (SIM)	0.0044	No limit established
Anthracene (SIM)	0.0076	22000 (prg)
Benzo(a)anthracene (SIM)	0.0371	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0351	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0443	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0186	No limit established
Benzo(k)fluoranthene (SIM)	0.0319	0.38 (prg)
Chrysene (SIM)	0.037	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0098	0.062 (prg)
Fluoranthene (SIM)	0.043	2300 (prg)
Fluorene (SIM)	0.0009	2700 (prg)
Indeno(1,2,3-c d)pyrene (SIM)	0.0224	0 62 (prg)
Lead (Total)	20.1*	10 (btv)
PCB-1254 (Aroclor 1254)	0.261	0.22 (prg)
Phenanthrene (SIM)	0.0198	No limit established
Pyrene (SIM)	0 0552	2300 (prg)
09-24-04		
PCB-1254 (Aroclor 1254)	0.0421	0.22 (prg)

169-EX30	MG/KG	PRG or BTV
09-21-04		
Antimony (Total)	0.41*	0.4 (btv)
Benzo(a)anthracene (SIM)	0.0018	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0021	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0038	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0015	No limit established
Chrysene (SIM)	0.0017	3.8 (prg)
Dibenz(a,h)anthracene (SIM)	0.0008	0.062 (prg)
Fluoranthene (SIM)	0.0029	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0.0012	0.62 (prg)
PCB-1260 (Aroclor 1260)	0.0019	0.22 (prg)
Phenanthrene (SIM)	0.001	No limit established
Pyrene (SIM)	0.0035	2300 (prg)

169-EX36	MG/KG	PRG or BTV
09-22-04		
Anthracene (SIM)	0.0012	22000 (prg)
Benzo(a)anthracene (SIM)	0.0035	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0054	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0132	0.62 (prg)
Benzo(g,h,i)perylene (SIM)	0.0042	No limit established
Chrysene (SIM)	0.0042	3.8 (prg)
Fluoranthene (SIM)	0.0102	2300 (prg)
Indeno(1,2,3-c,d)pyrene (SIM)	0 0029	0 62 (prg)
Lead (Total)	27 4*	10 (btv)
PCB-1254 (Aroclor 1254)	0.135	0.22 (prg)
Phenanthrene (SIM)	0.0055	No limit established
Pyrene (SIM)	0.0094	2300 (prg)

169-EX62	MG/KG	PRG or BTV
08-11-04		
Benzo(b)fluoranthene (SIM)	0.0124	0.62 (prg)
Fluoranthene (SIM)	0.0031	2300 (prg)
PCB-1254 (Aroclor 1254)	0.0116	0.22 (prg)
Pyrene (SIM)	0.0028	2300 (prg)

169-EX57	MG/KG	PRG or BTV
08-12-04		
PCB-1254 (Aroclor 1254)	0.007	0.22 (prg)

169-EX52	MG/KG	PRG or BTV
08-12-04		
Benzo(a)anthracene (SIM)	0.0023	0.62 (prg)
Benzo(a)pyrene (SIM)	0.0022	0.062 (prg)
Benzo(b)fluoranthene (SIM)	0.0132	0.62 (prg)
Benzo(k)fluoranthene (SIM)	0.0019	0.38 (prg)
Chrysene (SIM)	0.0031	3.8 (prg)
Fluoranthene (SIM)	0.0044	2300 (prg)
PCB-1254 (Aroclor 1254)	0.0228	0.22 (prg)
Phenanthrene (SIM)	0.0036	No limit established
Pyrene (SIM)	0.0056	2300 (prg)
Selenium (Total)	0.73*	0.5 (btv)

169-EX53	MG/KG	PRG or BTV
08-12-04		
PCB-1254 (Aroclor 1254)	0 0066	0 22 (prg)
PCB-1254 (Aroclor 1254) (dup)	0 0032	0.22 (prg)
Selenium (dup,Total)	0.9*	0.5 (btv)
Selenium (Total)	0.64*	0.5 (btv)

169-EX55	MG/KG	PRG or BTV
08-12-04		
PCB-1254 (Aroclor 1254)	0.0111	0.22 (prg)
Pyrene (SIM)	0.0017	2300 (prg)
Selenium (Total)	0.62*	0.5 (btv)

169-EX56	MG/KG	PRG or BTV
08-12-04		
Benzo(b)fluoranthene (SIM)	0.0119	0.62 (prg)
Fluoranthene (SIM)	0.0023	2300 (prg)
PCB-1254 (Aroclor 1254)	0.0208	0.22 (prg)
Pyrene (SIM)	0.0028	2300 (prg)
Selenium (Total)	0.64*	0.5 (btv)

169-EX54	MG/KG	PRG or BTV
08-12-04		
Benzo(b)fluoranthene (SIM)	0.0119	0.62 (prg)
Chrysene (SIM)	0.0019	3.8 (prg)
Fluoranthene (SIM)	0.0027	2300 (prg)
Fluorene (SIM)	0.0026	2700 (prg)
PCB-1254 (Aroclor 1254)	0.0144	0.22 (prg)
Pyrene (SIM)	0.0028	2300 (prg)
Selenium (Total)	0.55*	0.5 (btv)

169-EX67	MG/KG	PRG or BTV
08-12-04		
Acenaphthylene (SIM)	0.0038	No limit established
PCB-1254 (Aroclor 1254)	0.0143	0.22 (prg)
Selenium (Total)	0.55*	0.5 (btv)

LEGEND

- Excavation Depth: 0.67
- Excavation Depth: 1 3 - 1 5
- Fence
- Streets
- Buildings (Demolished)
- Paved Area
- Hot spot excavation

Composite Sample Location ID — Units — Screening Level Type

Sample Date →

169-EX52	MG/KG	PRG or BTV
09/12/04		
Benzo(a)anthracene	0.0023	0.62 (prg)

Analyte — Result — Screening Level

Notes:
Multiple sample dates indicate cell was over excavated and resampled and targeted analytes were detected at less than action levels

*Metal concentration exceeds BTV

MWH

UNITED STATES AIR FORCE
VANDENBERG AIR FORCE BASE

AOC-169
Excavation Area Confirmation
Sample Locations and Analytical Data
East

Figure AOC-169f

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547
						Location ID:	547-B-1	547-B-1	547-B-10	547-B-11	547-B-11	547-B-12	547-B-12
						Field Sample ID:	VDRMOB1-0	VDRMOB1-2.5	VDRMOB10-0	VDRMOB11-0	VDRMOB11-2.5	VDRMOB12-0	VDRMOB12-2.5
						Sample Date:	7/26/2000	7/26/2000	7/27/2000	7/28/2000	7/28/2000	7/28/2000	7/28/2000
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	2.5	0.0	0.0	2.5	0.0	2.5
General Minerals													
pH	--	--	--	--	--		6.98	7.71	7.35	6.13	4.79	7.15	4.45
Total Metals (mg/kg)													
Antimony	SA	0.3	0.3	31	410		4.17*	NA	3.84*	<1.5	NA	<1.5	NA
Antimony	SSA	0.4	0.4	31	410		NA	2.79*	NA	NA	<1.5	NA	0.804*
Arsenic	SA	2	4	0.062 (ca)	0.25 (ca)		**3.64***	NA	**4.92***	**1.39**	NA	**1.49**	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	**0.89**	NA	NA	**2.28**	NA	**3.04**
Barium	SA	98	172	5400	67000		85	NA	78.4	21.8	NA	18.3	NA
Barium	SSA	215	457	5400	67000		NA	6.03	NA	NA	18.2	NA	9.29
Beryllium	SA	0.7	0.7	150	1900 (ca)		1.9*	NA	<0.1	0.116	NA	0.061	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	1*	NA	NA	<0.1	NA	<0.1
Cadmium	SA	1	1	37	450		10.5*	NA	15.9*	0.185	NA	0.184	NA
Cadmium	SSA	2	2	37	450		NA	1.2	NA	NA	0.336	NA	0.284
Chromium	SA	28	47	210 (ca)	450 (ca)		90.9*	NA	53.7*	9.39	NA	10.4	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	4.22	NA	NA	21.3	NA	23.8
Cobalt	SA	4	7	900 (ca)	1900 (ca)		10.6*	NA	10.5*	1.05	NA	1.73	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	1.36	NA	NA	1.03	NA	0.84
Copper	SA	46	92	3100	41000		53.5*	NA	159*	2.92	NA	3.62	NA
Copper	SSA	127	298	3100	41000		NA	1.27	NA	NA	2.79	NA	2.02
Lead	SA	13	21	150	750		**219***	NA	**205***	4.3	NA	5.34	NA
Lead	SSA	10	16	150	750		NA	2.72	NA	NA	7.18	NA	6.56
Mercury	SA	0.2	0.2	23	310		0.27*	NA	0.88*	<0.14	NA	<0.14	NA
Mercury	SSA	1	1	23	310		NA	<0.14	NA	NA	<0.14	NA	0.15
Molybdenum	SA	4	4	390	5100		8.45*	NA	8.99*	1.36	NA	1.49	NA
Molybdenum	SSA	3	3	390	5100		NA	2.59	NA	NA	3.74*	NA	1.37
Nickel	SA	13	21	1600	20000		76.7*	NA	37.4*	4.03	NA	7.62	NA
Nickel	SSA	86	224	1600	20000		NA	2.75	NA	NA	6.21	NA	5.31
Selenium	SA	0.1	0.1	390	5100		<0.2	NA	<0.2	<0.2	NA	<0.2	NA
Selenium	SSA	0.5	0.5	390	5100		NA	0.24	NA	NA	<0.2	NA	<0.2
Silver	SA	0.2	0.3	390	5100		2.64*	NA	<0.5	<0.5	NA	<0.5	NA
Silver	SSA	2	2	390	5100		NA	<0.5	NA	NA	<0.5	NA	<0.5
Vanadium	SA	58	100	550	7200		34.1	NA	16.4	16.2	NA	16.2	NA
Vanadium	SSA	63	109	550	7200		NA	6.78	NA	NA	29	NA	37.7
Zinc	SA	107	214	23000	100000		752*	NA	1790*	10.6	NA	25.7	NA
Zinc	SSA	221	488	23000	100000		NA	23.3	NA	NA	10.1	NA	10.8

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547
						Location ID:	547-B-1	547-B-1	547-B-10	547-B-11	547-B-11	547-B-12	547-B-12
						Field Sample ID:	VDRMOB1-0	VDRMOB1-2.5	VDRMOB10-0	VDRMOB11-0	VDRMOB11-2.5	VDRMOB12-0	VDRMOB12-2.5
						Sample Date:	7/26/2000	7/26/2000	7/27/2000	7/28/2000	7/28/2000	7/28/2000	7/28/2000
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	2.5	0.0	0.0	2.5	0.0	2.5
Oil and Grease (mg/kg)													
Oil & Grease, total rec	--	--	--	--	--		35100	<10	712	4500	<10	1750	<10
Polychlorinated biphenyls (mg/kg)													
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		**0.395**	<0.01	**4.92**	<0.01	<0.01	0.097	<0.01
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	--	--	--	--	--		<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Acenaphthene	--	--	--	3700	29000		<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Anthracene	--	--	--	22000	100000		<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Benzo(a)anthracene	--	--	--	0.62 (ca)	2.1 (ca)		<0.999	<0.333	**0.881**	<0.333	<0.333	<0.333	<0.333
Benzo(a)pyrene	--	--	--	0.062 (ca)	0.21 (ca)		<0.999	<0.333	**0.88**	<0.333	<0.333	<0.333	<0.333
Benzo(k)fluoranthene	--	--	--	0.38 (ca)	1.3 (ca)		<0.999	<0.333	**1.97**	<0.333	<0.333	<0.333	<0.333
Chrysene	--	--	--	3.8 (ca)	13 (ca)		<0.999	<0.333	0.817	<0.333	<0.333	<0.333	<0.333
Dibenzofuran	--	--	--	150	1600		<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Fluoranthene	--	--	--	2300	22000		<0.999	<0.333	1.15	<0.333	<0.333	<0.333	<0.333
Fluorene	--	--	--	2700	26000		<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Naphthalene	--	--	--	1.7 (ca)	4.2 (ca)		<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Phenanthrene	--	--	--	--	--		<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Pyrene	--	--	--	2300	29000		<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range	--	--	--	100 (rwqcb)	--		32	<10	<10	17	<10	327	<10

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

		BTV		Soil PRG		Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547
						Location ID:	547-B-12	547-B-13	547-B-13	547-B-13	547-B-14	547-B-14	547-B-15
						Field Sample ID:	VDRMOSR1 (R)	VDRMOB13-0	VDRMOB13-2.5	VDRMOSR2 (R)	VDRMOB14-0	VDRMOB14-2.5	VDRMOB15-0
						Sample Date:	7/28/2000	7/28/2000	7/28/2000	7/28/2000	7/31/2000	7/31/2000	7/31/2000
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	3.0	0.0	2.5	3.0	0.0	2.5	0.0
General Minerals													
pH	--	--	--	--	--		4.37	7.96	5.02	6.49	7.83	7.26	6.85
Total Metals (mg/kg)													
Antimony	SA	0.3	0.3	31	410		NA	<1.5	NA	NA	5.42*	NA	6.53*
Antimony	SSA	0.4	0.4	31	410		<1.5	NA	1.49*	<1.5	NA	<1.5	NA
Arsenic	SA	2	4	0.062 (ca)	0.25 (ca)		NA	**3.8***	NA	NA	**4.26***	NA	**2.13***
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**2.3**	NA	**2.76**	**17.5***	NA	**1.36**	NA
Barium	SA	98	172	5400	67000		NA	65.3	NA	NA	80.6	NA	39.1
Barium	SSA	215	457	5400	67000		17.5	NA	12	21.1	NA	11.6	NA
Beryllium	SA	0.7	0.7	150	1900 (ca)		NA	<0.1	NA	NA	<0.1	NA	<0.1
Beryllium	SSA	0.8	0.8	150	1900 (ca)		<0.1	NA	<0.1	<0.1	NA	0.12	NA
Cadmium	SA	1	1	37	450		NA	10.8*	NA	NA	10.8*	NA	4.27*
Cadmium	SSA	2	2	37	450		0.851	NA	<0.3	2.72*	NA	1	NA
Chromium	SA	28	47	210 (ca)	450 (ca)		NA	98.7*	NA	NA	45.1*	NA	25.9
Chromium	SSA	63	110	210 (ca)	450 (ca)		28.9	NA	16.7	65.1*	NA	5.36	NA
Cobalt	SA	4	7	900 (ca)	1900 (ca)		NA	8.08*	NA	NA	8.08*	NA	4.32*
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		1.94	NA	<0.5	2.6	NA	0.76	NA
Copper	SA	46	92	3100	41000		NA	2320*	NA	NA	158*	NA	97.5*
Copper	SSA	127	298	3100	41000		9.99	NA	127	33.2	NA	6.71	NA
Lead	SA	13	21	150	750		NA	**184***	NA	NA	**171***	NA	102*
Lead	SSA	10	16	150	750		8.68	NA	5.62	28.1*	NA	4.02	NA
Mercury	SA	0.2	0.2	23	310		NA	0.66*	NA	NA	0.68*	NA	0.25*
Mercury	SSA	1	1	23	310		0.26	NA	<0.14	0.17	NA	<0.14	NA
Molybdenum	SA	4	4	390	5100		NA	14.4*	NA	NA	7.3*	NA	1.14
Molybdenum	SSA	3	3	390	5100		7.18*	NA	<0.65	3.56*	NA	<0.65	NA
Nickel	SA	13	21	1600	20000		NA	80.1*	NA	NA	48*	NA	23*
Nickel	SSA	86	224	1600	20000		8.72	NA	4.26	19	NA	3.25	NA
Selenium	SA	0.1	0.1	390	5100		NA	<0.2	NA	NA	<0.2	NA	<0.2
Selenium	SSA	0.5	0.5	390	5100		<0.2	NA	<0.2	<0.2	NA	<0.2	NA
Silver	SA	0.2	0.3	390	5100		NA	<0.5	NA	NA	<0.5	NA	1.84*
Silver	SSA	2	2	390	5100		<0.5	NA	<0.5	<0.5	NA	<0.5	NA
Vanadium	SA	58	100	550	7200		NA	20.7	NA	NA	21.8	NA	17.1
Vanadium	SSA	63	109	550	7200		32.4	NA	26.2	28.8	NA	9.87	NA
Zinc	SA	107	214	23000	100000		NA	3180*	NA	NA	1321*	NA	345*
Zinc	SSA	221	488	23000	100000		9.83	NA	108	518*	NA	26.8	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547
						Location ID:	547-B-12	547-B-13	547-B-13	547-B-13	547-B-14	547-B-14	547-B-15
						Field Sample ID:	VDRMOSR1 (R)	VDRMOB13-0	VDRMOB13-2.5	VDRMOSR2 (R)	VDRMOB14-0	VDRMOB14-2.5	VDRMOB15-0
						Sample Date:	7/28/2000	7/28/2000	7/28/2000	7/28/2000	7/31/2000	7/31/2000	7/31/2000
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	3.0	0.0	2.5	3.0	0.0	2.5	0.0
Oil and Grease (mg/kg)													
Oil & Grease, total rec	--	--	--	--	--		28	1140	<10	50	1050	<10	38200
Polychlorinated biphenyls (mg/kg)													
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		<0.01	**1.38**	<0.01	<0.01	**2.94**	<0.01	0.068
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	--	--	--	--	--		<0.333	<0.666	<0.333	<0.333	<0.333	<0.333	<0.333
Acenaphthene	--	--	--	3700	29000		<0.333	<0.666	<0.333	<0.333	<0.333	<0.333	<0.333
Anthracene	--	--	--	22000	100000		<0.333	<0.666	<0.333	<0.333	<0.333	<0.333	<0.333
Benzo(a)anthracene	--	--	--	0.62 (ca)	2.1 (ca)		<0.333	**0.896**	<0.333	<0.333	**0.642**	<0.333	<0.333
Benzo(a)pyrene	--	--	--	0.062 (ca)	0.21 (ca)		<0.333	<0.666	<0.333	<0.333	<0.333	<0.333	<0.333
Benzo(k)fluoranthene	--	--	--	0.38 (ca)	1.3 (ca)		<0.333	**1.42**	<0.333	<0.333	**1.09**	<0.333	<0.333
Chrysene	--	--	--	3.8 (ca)	13 (ca)		<0.333	0.845	<0.333	<0.333	0.534	<0.333	<0.333
Dibenzofuran	--	--	--	150	1600		<0.333	<0.666	<0.333	<0.333	<0.333	<0.333	<0.333
Fluoranthene	--	--	--	2300	22000		<0.333	1.43	<0.333	<0.333	0.626	<0.333	<0.333
Fluorene	--	--	--	2700	26000		<0.333	<0.666	<0.333	<0.333	<0.333	<0.333	<0.333
Naphthalene	--	--	--	1.7 (ca)	4.2 (ca)		<0.333	<0.666	<0.333	<0.333	<0.333	<0.333	<0.333
Phenanthrene	--	--	--	--	--		<0.333	1.3	<0.333	<0.333	0.424	<0.333	<0.333
Pyrene	--	--	--	2300	29000		<0.333	1.61	<0.333	<0.333	0.819	<0.333	<0.333
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range	--	--	--	100 (rwqcb)	--		<10	<10	<10	<10	<10	<10	<10

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547
						Location ID:	547-B-15	547-B-2	547-B-2	547-B-3	547-B-3	547-B-4	547-B-4
						Field Sample ID:	VDRMOB15-2.5	VDRMOB2-0	VDRMOB2-2.5	VDRMOB3-0	VDRMOB3-2.5	VDRMOB4-0	VDRMOB4-2.5
						Sample Date:	7/31/2000	7/26/2000	7/26/2000	7/26/2000	7/26/2000	7/26/2000	7/26/2000
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	2.5	0.0	2.5	0.0	2.5	0.0	2.5
General Minerals													
pH	--	--	--	--	--		5.69	8.4	4.35	7.22	4.63	4.84	4.47
Total Metals (mg/kg)													
Antimony	SA	0.3	0.3	31	410		NA	<1.5	NA	<10	NA	1.06*	NA
Antimony	SSA	0.4	0.4	31	410		<1.5	NA	0.527*	NA	<1.5	NA	<1.5
Arsenic	SA	2	4	0.062 (ca)	0.25 (ca)		NA	**1.36**	NA	**6.13***	NA	**1.8**	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**2.77**	NA	**4.7**	NA	**4.27**	NA	**4.87**
Barium	SA	98	172	5400	67000		NA	23	NA	135*	NA	22.9	NA
Barium	SSA	215	457	5400	67000		14.4	NA	17	NA	16	NA	12.4
Beryllium	SA	0.7	0.7	150	1900 (ca)		NA	0.203	NA	<1	NA	0.058	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		0.18	NA	0.101	NA	0.027	NA	<1
Cadmium	SA	1	1	37	450		NA	2.51*	NA	27*	NA	0.042	NA
Cadmium	SSA	2	2	37	450		<0.3	NA	3.74*	NA	0.487	NA	0.209
Chromium	SA	28	47	210 (ca)	450 (ca)		NA	61.6*	NA	140*	NA	10.6	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		8.93	NA	33	NA	28.3	NA	31.9
Cobalt	SA	4	7	900 (ca)	1900 (ca)		NA	25.7*	NA	18.7*	NA	1.29	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		1.57	NA	1.873	NA	1.04	NA	1.25
Copper	SA	46	92	3100	41000		NA	47.6*	NA	1030*	NA	4.79	NA
Copper	SSA	127	298	3100	41000		8.53	NA	6.72	NA	35.9	NA	5.44
Lead	SA	13	21	150	750		NA	7.39	NA	**303***	NA	8.22	NA
Lead	SSA	10	16	150	750		3.44	NA	11.3*	NA	12.5*	NA	9.96
Mercury	SA	0.2	0.2	23	310		NA	<0.14	NA	1.05*	NA	<0.14	NA
Mercury	SSA	1	1	23	310		<0.14	NA	0.17	NA	<0.14	NA	<0.14
Molybdenum	SA	4	4	390	5100		NA	7.05*	NA	8*	NA	0.886	NA
Molybdenum	SSA	3	3	390	5100		<0.65	NA	4.71*	NA	2.04	NA	3.84*
Nickel	SA	13	21	1600	20000		NA	140*	NA	133*	NA	5.52	NA
Nickel	SSA	86	224	1600	20000		3.51	NA	9.74	NA	6.51	NA	7.73
Selenium	SA	0.1	0.1	390	5100		NA	<0.2	NA	<0.2	NA	<0.2	NA
Selenium	SSA	0.5	0.5	390	5100		<0.2	NA	<0.2	NA	<0.2	NA	<0.2
Silver	SA	0.2	0.3	390	5100		NA	<0.5	NA	<5	NA	<0.5	NA
Silver	SSA	2	2	390	5100		<0.5	NA	<0.5	NA	<0.5	NA	<0.5
Vanadium	SA	58	100	550	7200		NA	18.9	NA	47.2	NA	18	NA
Vanadium	SSA	63	109	550	7200		18.7	NA	42.2	NA	35.6	NA	39.8
Zinc	SA	107	214	23000	100000		NA	74.8	NA	1690*	NA	18.8	NA
Zinc	SSA	221	488	23000	100000		18.4	NA	15.3	NA	47	NA	14.4

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547
						Location ID:	547-B-15	547-B-2	547-B-2	547-B-3	547-B-3	547-B-4	547-B-4
						Field Sample ID:	VDRMOB15-2.5	VDRMOB2-0	VDRMOB2-2.5	VDRMOB3-0	VDRMOB3-2.5	VDRMOB4-0	VDRMOB4-2.5
						Sample Date:	7/31/2000	7/26/2000	7/26/2000	7/26/2000	7/26/2000	7/26/2000	7/26/2000
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	2.5	0.0	2.5	0.0	2.5	0.0	2.5
Oil and Grease (mg/kg)													
Oil & Grease, total rec	--	--	--	--	--		<10	30	<10	470	<10	32	<10
Polychlorinated biphenyls (mg/kg)													
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		<0.01	**0.866**	<0.01	**78.2**	<0.01	<0.01	0.045
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	--	--	--	--	--		<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Acenaphthene	--	--	--	3700	29000		<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Anthracene	--	--	--	22000	100000		<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	0.388
Benzo(a)anthracene	--	--	--	0.62 (ca)	2.1 (ca)		<0.333	<0.333	<0.333	**0.997**	<0.333	<0.333	<0.333
Benzo(a)pyrene	--	--	--	0.062 (ca)	0.21 (ca)		<0.333	<0.333	<0.333	**0.66**	<0.333	<0.333	**0.388**
Benzo(k)fluoranthene	--	--	--	0.38 (ca)	1.3 (ca)		<0.333	<0.333	<0.333	**1.76**	<0.333	<0.333	**0.884**
Chrysene	--	--	--	3.8 (ca)	13 (ca)		<0.333	<0.333	<0.333	1.02	<0.333	<0.333	0.564
Dibenzofuran	--	--	--	150	1600		<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Fluoranthene	--	--	--	2300	22000		<0.333	<0.333	<0.333	1.4	<0.333	<0.333	1.34
Fluorene	--	--	--	2700	26000		<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Naphthalene	--	--	--	1.7 (ca)	4.2 (ca)		<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Phenanthrene	--	--	--	--	--		<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	1.19
Pyrene	--	--	--	2300	29000		<0.333	<0.333	<0.333	1.99	<0.333	<0.333	1.39
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range	--	--	--	100 (rwqcb)	--		<10	<10	<10	<10	<10	<10	<10

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE
(Page 7 of 40)

	BTV			Soil PRG		Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547
						Location ID:	547-B-5	547-B-5	547-B-6	547-B-6	547-B-7	547-B-7	547-B-8
						Field Sample ID:	VDRMOB5-0	VDRMOB5-2.5	VDRMOB6-0	VDRMOB6-2.5	VDRMOB7-0	VDRMOB7-2.5	VDRMOB8-0
						Sample Date:	7/26/2000	7/26/2000	7/27/2000	7/27/2000	7/27/2000	7/27/2000	7/27/2000
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	2.5	0.0	2.5	0.0	2.5	0.0
General Minerals													
pH	--	--	--	--	--		7.07	4.4	7.64	4.32	8.05	4.21	7.92
Total Metals (mg/kg)													
Antimony	SA	0.3	0.3	31	410		<1.5	NA	<15	NA	<15	NA	<15
Antimony	SSA	0.4	0.4	31	410		NA	<1.5	NA	1.79*	NA	1.77*	NA
Arsenic	SA	2	4	0.062 (ca)	0.25 (ca)		**2.16***	NA	**7.85***	NA	**11.7***	NA	**7.31***
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	**4.6**	NA	**3.69**	NA	**1.64**	NA
Barium	SA	98	172	5400	67000		24.9	NA	143*	NA	158*	NA	82.1
Barium	SSA	215	457	5400	67000		NA	25.2	NA	14.5	NA	17.6	NA
Beryllium	SA	0.7	0.7	150	1900 (ca)		<1	NA	<1	NA	<1	NA	<1
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	<1	NA	<1	NA	0.11	NA
Cadmium	SA	1	1	37	450		0.723	NA	30.9*	NA	33.2*	NA	16.1*
Cadmium	SSA	2	2	37	450		NA	0.408	NA	<0.3	NA	<0.3	NA
Chromium	SA	28	47	210 (ca)	450 (ca)		17.7	NA	164*	NA	154*	NA	106*
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	25.3	NA	31.4	NA	39.8	NA
Cobalt	SA	4	7	900 (ca)	1900 (ca)		2.69	NA	22*	NA	27.3*	NA	18*
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	0.8685	NA	1.63	NA	1.37	NA
Copper	SA	46	92	3100	41000		29.9	NA	684*	NA	522*	NA	314*
Copper	SSA	127	298	3100	41000		NA	5.41	NA	10.5	NA	8.89	NA
Lead	SA	13	21	150	750		21.2*	NA	**615***	NA	**783***	NA	**407***
Lead	SSA	10	16	150	750		NA	9.69	NA	11.6*	NA	9.9	NA
Mercury	SA	0.2	0.2	23	310		0.17	NA	2.99*	NA	2.63*	NA	0.87*
Mercury	SSA	1	1	23	310		NA	<0.14	NA	<0.14	NA	0.17	NA
Molybdenum	SA	4	4	390	5100		<0.65	NA	15.5*	NA	18.4*	NA	16.8*
Molybdenum	SSA	3	3	390	5100		NA	3.59*	NA	3.27*	NA	2.49	NA
Nickel	SA	13	21	1600	20000		17.7*	NA	119*	NA	132*	NA	69*
Nickel	SSA	86	224	1600	20000		NA	6.24	NA	6.14	NA	7.79	NA
Selenium	SA	0.1	0.1	390	5100		<0.2	NA	<0.2	NA	<0.2	NA	0.21*
Selenium	SSA	0.5	0.5	390	5100		NA	<0.2	NA	<0.2	NA	<0.2	NA
Silver	SA	0.2	0.3	390	5100		<0.5	NA	<10	NA	<5	NA	<5
Silver	SSA	2	2	390	5100		NA	<0.5	NA	<0.5	NA	<0.5	NA
Vanadium	SA	58	100	550	7200		25.7	NA	22.1	NA	29	NA	24
Vanadium	SSA	63	109	550	7200		NA	42.6	NA	38	NA	50.1	NA
Zinc	SA	107	214	23000	100000		30.2	NA	3820*	NA	3090*	NA	2190*
Zinc	SSA	221	488	23000	100000		NA	8.14	NA	54.6	NA	12.7	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547
						Location ID:	547-B-5	547-B-5	547-B-6	547-B-6	547-B-7	547-B-7	547-B-8
						Field Sample ID:	VDRMOB5-0	VDRMOB5-2.5	VDRMOB6-0	VDRMOB6-2.5	VDRMOB7-0	VDRMOB7-2.5	VDRMOB8-0
						Sample Date:	7/26/2000	7/26/2000	7/27/2000	7/27/2000	7/27/2000	7/27/2000	7/27/2000
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	2.5	0.0	2.5	0.0	2.5	0.0
Oil and Grease (mg/kg)													
Oil & Grease, total rec	--	--	--	--	--		46	<10	768	<10	4800	850	42000
Polychlorinated biphenyls (mg/kg)													
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		<0.01	<0.01	**6.4**	<0.01	**30.2**	0.068	**10.1**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	--	--	--	--	--		<0.333	<0.333	<0.333	<0.333	1.37	<0.333	<0.999
Acenaphthene	--	--	--	3700	29000		<0.333	<0.333	<0.333	<0.333	11.1	<0.333	1.13
Anthracene	--	--	--	22000	100000		<0.333	<0.333	1.66	<0.333	28.7	<0.333	6.41
Benzo(a)anthracene	--	--	--	0.62 (ca)	2.1 (ca)		<0.333	<0.333	**4.76**	<0.333	**34.4**	<0.333	**29.3**
Benzo(a)pyrene	--	--	--	0.062 (ca)	0.21 (ca)		<0.333	<0.333	**3.42**	<0.333	**24**	<0.333	**2.21**
Benzo(k)fluoranthene	--	--	--	0.38 (ca)	1.3 (ca)		<0.333	<0.333	**7.49**	<0.333	**81**	<0.333	**49.2**
Chrysene	--	--	--	3.8 (ca)	13 (ca)		<0.333	<0.333	**4.19**	<0.333	**36.6**	<0.333	**27.4**
Dibenzofuran	--	--	--	150	1600		<0.333	<0.333	<0.333	<0.333	8.57	<0.333	<0.999
Fluoranthene	--	--	--	2300	22000		<0.333	<0.333	7.69	<0.333	22.2	<0.333	33.2
Fluorene	--	--	--	2700	26000		<0.333	<0.333	<0.333	<0.333	18.8	<0.333	1.43
Naphthalene	--	--	--	1.7 (ca)	4.2 (ca)		<0.333	<0.333	<0.333	<0.333	1.58	<0.333	<0.999
Phenanthrene	--	--	--	--	--		<0.333	<0.333	5.62	<0.333	80.1	<0.333	20.2
Pyrene	--	--	--	2300	29000		<0.333	<0.333	9.62	<0.333	21.3	<0.333	64.5
Total Petroleum Hydrocarbons (mg/kg)													
Diesel Range	--	--	--	100 (rwqcb)	--		<10	22	34	<10	<10	<10	69

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

		BTV		Soil PRG		Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547
						Location ID:	547-B-8	547-B-9	547-B-9	547-FT-12	547-FT-23	547-FT-9	547-S-1	547-S-10
						Field Sample ID:	VDRMOB8-2.5	VDRMOB9-0	VDRMOB9-2.5	547-FT-12	547-FT-23	547-FT-9	VDRMOS1	547-S-10
						Sample Date:	7/27/2000	7/27/2000	7/27/2000	7/19/2001	7/20/2001	7/19/2001	7/27/2000	5/18/2001
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	2.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0
General Minerals														
pH	--	--	--	--	--		4.27	7.65	4.14	NA	NA	NA	7.52	NA
Total Metals (mg/kg)														
Antimony	SA	0.3	0.3	31	410		NA	<1.5	NA	NA	NA	NA	<15	NA
Antimony	SSA	0.4	0.4	31	410		<1.5	NA	1.45 J*	NA	NA	NA	NA	NA
Arsenic	SA	2	4	0.062 (ca)	0.25 (ca)		NA	**1.77**	NA	NA	NA	NA	**7.13***	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**2.46**	NA	**2.05**	NA	NA	NA	NA	NA
Barium	SA	98	172	5400	67000		NA	27.1	NA	NA	NA	NA	130*	NA
Barium	SSA	215	457	5400	67000		135	NA	8.18	NA	NA	NA	NA	NA
Beryllium	SA	0.7	0.7	150	1900 (ca)		NA	<0.1	NA	NA	NA	NA	<1	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		<0.1	NA	<0.1	NA	NA	NA	NA	NA
Cadmium	SA	1	1	37	450		NA	0.68	NA	NA	NA	NA	22.1*	NA
Cadmium	SSA	2	2	37	450		<0.3	NA	<0.3	NA	NA	NA	NA	NA
Chromium	SA	28	47	210 (ca)	450 (ca)		NA	54.6*	NA	NA	NA	NA	132*	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		27.3	NA	22	NA	NA	NA	NA	NA
Cobalt	SA	4	7	900 (ca)	1900 (ca)		NA	18.1*	NA	NA	NA	NA	15.4*	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		1.23	NA	1.01	NA	NA	NA	NA	NA
Copper	SA	46	92	3100	41000		NA	47*	NA	NA	NA	NA	422*	NA
Copper	SSA	127	298	3100	41000		4.92	NA	8	NA	NA	NA	NA	NA
Lead	SA	13	21	150	750		NA	5.51	NA	NA	NA	NA	**487***	NA
Lead	SSA	10	16	150	750		7.72	NA	8.66	NA	NA	NA	NA	NA
Mercury	SA	0.2	0.2	23	310		NA	<0.14	NA	NA	NA	NA	1.14*	NA
Mercury	SSA	1	1	23	310		0.89	NA	<0.14	NA	NA	NA	NA	NA
Molybdenum	SA	4	4	390	5100		NA	6*	NA	NA	NA	NA	18.1*	NA
Molybdenum	SSA	3	3	390	5100		1.54	NA	<0.65	NA	NA	NA	NA	NA
Nickel	SA	13	21	1600	20000		NA	99.5*	NA	NA	NA	NA	108*	NA
Nickel	SSA	86	224	1600	20000		8.99	NA	3.67	NA	NA	NA	NA	NA
Selenium	SA	0.1	0.1	390	5100		NA	<0.2	NA	NA	NA	NA	<0.2	NA
Selenium	SSA	0.5	0.5	390	5100		<0.2	NA	<0.2	NA	NA	NA	NA	NA
Silver	SA	0.2	0.3	390	5100		NA	<0.5	NA	NA	NA	NA	<5	NA
Silver	SSA	2	2	390	5100		<0.5	NA	<0.5	NA	NA	NA	NA	NA
Vanadium	SA	58	100	550	7200		NA	21.9	NA	NA	NA	NA	25.1	NA
Vanadium	SSA	63	109	550	7200		32.6	NA	21.4	NA	NA	NA	NA	NA
Zinc	SA	107	214	23000	100000		NA	40.8	NA	NA	NA	NA	3320*	NA
Zinc	SSA	221	488	23000	100000		29.2	NA	17.7	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547
						Location ID:	547-B-8	547-B-9	547-B-9	547-FT-12	547-FT-23	547-FT-9	547-S-1	547-S-10
						Field Sample ID:	VDRMOB8-2.5	VDRMOB9-0	VDRMOB9-2.5	547-FT-12	547-FT-23	547-FT-9	VDRMOS1	547-S-10
						Sample Date:	7/27/2000	7/27/2000	7/27/2000	7/19/2001	7/20/2001	7/19/2001	7/27/2000	5/18/2001
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	2.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0
Oil and Grease (mg/kg)														
Oil & Grease, total rec	--	--	--	--	--		<10	5200	<10	NA	NA	NA	960	NA
Polychlorinated biphenyls (mg/kg)														
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		<0.01	0.163	<0.01	NA	NA	NA	**4.04**	**83.6**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		NA	NA	NA	**0.45**	**0.528**	**0.389**	NA	NA
Semivolatile Organic Compounds (mg/kg)														
2-Methylnaphthalene	--	--	--	--	--		<0.333	<0.333	<0.333	NA	NA	NA	<0.333	NA
Acenaphthene	--	--	--	3700	29000		<0.333	<0.333	<0.333	NA	NA	NA	<0.333	NA
Anthracene	--	--	--	22000	100000		<0.333	<0.333	<0.333	NA	NA	NA	0.496	NA
Benzo(a)anthracene	--	--	--	0.62 (ca)	2.1 (ca)		<0.333	<0.333	<0.333	NA	NA	NA	**1.93**	NA
Benzo(a)pyrene	--	--	--	0.062 (ca)	0.21 (ca)		<0.333	<0.333	<0.333	NA	NA	NA	**1.72**	NA
Benzo(k)fluoranthene	--	--	--	0.38 (ca)	1.3 (ca)		<0.333	<0.333	<0.333	NA	NA	NA	**3.82**	NA
Chrysene	--	--	--	3.8 (ca)	13 (ca)		<0.333	<0.333	<0.333	NA	NA	NA	1.74	NA
Dibenzofuran	--	--	--	150	1600		<0.333	<0.333	<0.333	NA	NA	NA	<0.333	NA
Fluoranthene	--	--	--	2300	22000		<0.333	<0.333	<0.333	NA	NA	NA	2.44	NA
Fluorene	--	--	--	2700	26000		<0.333	<0.333	<0.333	NA	NA	NA	<0.333	NA
Naphthalene	--	--	--	1.7 (ca)	4.2 (ca)		<0.333	<0.333	<0.333	NA	NA	NA	<0.333	NA
Phenanthrene	--	--	--	--	--		<0.333	<0.333	<0.333	NA	NA	NA	1.25	NA
Pyrene	--	--	--	2300	29000		<0.333	<0.333	<0.333	NA	NA	NA	3.45	NA
Total Petroleum Hydrocarbons (mg/kg)														
Diesel Range	--	--	--	100 (rwqcb)	--		<10	<10	<10	NA	NA	NA	<10	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG											
Reference:						TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547
Location ID:						547-S-11	547-S-12	547-S-13	547-S-14	547-S-15	547-S-2	547-S-3	547-S-4	547-S-5
Field Sample ID:						547-S-11	547-S-12	547-S-13	547-S-14	547-S-15	VDRMOS2	VDRMOS3	VDRMOS4	VDRMOS5
Sample Date:						5/18/2001	5/18/2001	5/18/2001	5/18/2001	5/18/2001	7/28/2000	7/28/2000	7/31/2000	7/31/2000
Sample Depth:	Type	95% UCL	99% UCL	Residential	Industrial	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
General Minerals														
pH	--	--	--	--	--	NA	NA	NA	NA	NA	7.37	7.85	6.12	6.71
Total Metals (mg/kg)														
Antimony	SA	0.3	0.3	31	410	NA	NA	NA	NA	NA	3.28*	<10	<1.5	1.93*
Antimony	SSA	0.4	0.4	31	410	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	SA	2	4	0.062 (ca)	0.25 (ca)	NA	NA	NA	NA	NA	**3.5***	**4.94***	**2.67***	**2.63***
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	SA	98	172	5400	67000	NA	NA	NA	NA	NA	81.5	375*	38.9	49
Barium	SSA	215	457	5400	67000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	SA	0.7	0.7	150	1900 (ca)	NA	NA	NA	NA	NA	<10	<10	0.12	0.11
Beryllium	SSA	0.8	0.8	150	1900 (ca)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	SA	1	1	37	450	NA	NA	NA	NA	NA	14.3*	**38.5***	2.83*	0.94
Cadmium	SSA	2	2	37	450	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	SA	28	47	210 (ca)	450 (ca)	NA	NA	NA	NA	NA	62.6*	147*	17.2	23.6
Chromium	SSA	63	110	210 (ca)	450 (ca)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	SA	4	7	900 (ca)	1900 (ca)	NA	NA	NA	NA	NA	9.13*	17*	2.86	2.64
Cobalt	SSA	6	6	900 (ca)	1900 (ca)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	SA	46	92	3100	41000	NA	NA	NA	NA	NA	212*	498*	38.9	12.5
Copper	SSA	127	298	3100	41000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	SA	13	21	150	750	NA	NA	NA	NA	NA	**254***	**581***	59.9*	13.2*
Lead	SSA	10	16	150	750	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	SA	0.2	0.2	23	310	NA	NA	NA	NA	NA	0.78*	1.54*	0.18	<0.14
Mercury	SSA	1	1	23	310	NA	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	SA	4	4	390	5100	NA	NA	NA	NA	NA	8.94*	22.9*	1.46	0.98
Molybdenum	SSA	5	5	390	5100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	SA	13	21	1600	20000	NA	NA	NA	NA	NA	61.9*	**1780***	14.4*	20.7*
Nickel	SSA	86	224	1600	20000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	SA	0.1	0.1	390	5100	NA	NA	NA	NA	NA	<0.2	<0.2	<0.2	<0.2
Selenium	SSA	0.5	0.5	390	5100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	SA	0.2	0.3	390	5100	NA	NA	NA	NA	NA	<0.5	<0.5	<0.5	<0.5
Silver	SSA	2	2	390	5100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	SA	58	100	550	7200	NA	NA	NA	NA	NA	20.3	25.8	18.4	22.8
Vanadium	SSA	63	109	550	7200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	SA	107	214	23000	100000	NA	NA	NA	NA	NA	1850*	3250*	198*	53.9
Zinc	SSA	221	488	23000	100000	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547
						Location ID:	547-S-11	547-S-12	547-S-13	547-S-14	547-S-15	547-S-2	547-S-3	547-S-4	547-S-5
						Field Sample ID:	547-S-11	547-S-12	547-S-13	547-S-14	547-S-15	VDRMOS2	VDRMOS3	VDRMOS4	VDRMOS5
						Sample Date:	5/18/2001	5/18/2001	5/18/2001	5/18/2001	5/18/2001	7/28/2000	7/28/2000	7/31/2000	7/31/2000
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil and Grease (mg/kg)															
Oil & Grease, total rec	--	--	--	--	--		NA	NA	NA	NA	NA	1020	2720	144	78
Polychlorinated biphenyls (mg/kg)															
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		**171**	**143**	**119**	**29.9**	**120**	**2.77**	**14.2**	**0.771**	0.14
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		NA	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds (mg/kg)															
2-Methylnaphthalene	--	--	--	--	--		NA	NA	NA	NA	NA	<0.999	<0.666	<0.333	<0.333
Acenaphthene	--	--	--	3700	29000		NA	NA	NA	NA	NA	<0.999	2.39	<0.333	<0.333
Anthracene	--	--	--	22000	100000		NA	NA	NA	NA	NA	0.134 J	9.13	<0.333	<0.333
Benzo(a)anthracene	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	**1.21**	**19.5**	<0.333	<0.333
Benzo(a)pyrene	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA	NA	NA	**1.39**	<0.666	<0.333	<0.333
Benzo(k)fluoranthene	--	--	--	0.38 (ca)	1.3 (ca)		NA	NA	NA	NA	NA	**2.29**	**27.4**	<0.333	<0.333
Chrysene	--	--	--	3.8 (ca)	13 (ca)		NA	NA	NA	NA	NA	1.88	**16.6**	<0.333	<0.333
Dibenzofuran	--	--	--	150	1600		NA	NA	NA	NA	NA	<0.999	<0.666	<0.333	<0.333
Fluoranthene	--	--	--	2300	22000		NA	NA	NA	NA	NA	0.847	33.5	<0.333	<0.333
Fluorene	--	--	--	2700	26000		NA	NA	NA	NA	NA	<0.999	3.88	<0.333	<0.333
Naphthalene	--	--	--	1.7 (ca)	4.2 (ca)		NA	NA	NA	NA	NA	<0.999	<0.666	<0.333	<0.333
Phenanthrene	--	--	--	--	--		NA	NA	NA	NA	NA	0.78	25.2	<0.333	<0.333
Pyrene	--	--	--	2300	29000		NA	NA	NA	NA	NA	1.59	38.5	<0.333	<0.333
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	<10	200	<10	<10

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

		BTV		Soil PRG		Reference:	TA547	TA547	TA547	TA547
						Location ID:	547-S-6	547-S-7	547-S-8	547-S-9
						Field Sample ID:	VDRMOS6	547-S-7	547-S-8	547-S-9
						Sample Date:	7/31/2000	5/18/2001	5/18/2001	5/18/2001
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0
General Minerals										
pH	--	--	--	--	--		8.08	NA	NA	NA
Total Metals (mg/kg)										
Antimony	SA	0.3	0.3	31	410		<1.5	NA	NA	NA
Antimony	SSA	0.4	0.4	31	410		NA	NA	NA	NA
Arsenic	SA	2	4	0.062 (ca)	0.25 (ca)		1.66	NA	NA	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	NA	NA	NA
Barium	SA	98	172	5400	67000		31.5	NA	NA	NA
Barium	SSA	215	457	5400	67000		NA	NA	NA	NA
Beryllium	SA	0.7	0.7	150	1900 (ca)		<0.1	NA	NA	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	NA	NA	NA
Cadmium	SA	1	1	37	450		<0.3	NA	NA	NA
Cadmium	SSA	2	2	37	450		NA	NA	NA	NA
Chromium	SA	28	47	210 (ca)	450 (ca)		21	NA	NA	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	NA	NA	NA
Cobalt	SA	4	7	900 (ca)	1900 (ca)		1.71	NA	NA	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	NA	NA	NA
Copper	SA	46	92	3100	41000		5.2	NA	NA	NA
Copper	SSA	127	298	3100	41000		NA	NA	NA	NA
Lead	SA	13	21	150	750		3.19	NA	NA	NA
Lead	SSA	10	16	150	750		NA	NA	NA	NA
Mercury	SA	0.2	0.2	23	310		0.16	NA	NA	NA
Mercury	SSA	1	1	23	310		NA	NA	NA	NA
Molybdenum	SA	4	4	390	5100		<0.65	NA	NA	NA
Molybdenum	SSA	3	3	390	5100		NA	NA	NA	NA
Nickel	SA	13	21	1600	20000		15.1*	NA	NA	NA
Nickel	SSA	86	224	1600	20000		NA	NA	NA	NA
Selenium	SA	0.1	0.1	390	5100		<0.2	NA	NA	NA
Selenium	SSA	0.5	0.5	390	5100		NA	NA	NA	NA
Silver	SA	0.2	0.3	390	5100		<0.5	NA	NA	NA
Silver	SSA	2	2	390	5100		NA	NA	NA	NA
Vanadium	SA	58	100	550	7200		12.2	NA	NA	NA
Vanadium	SSA	63	109	550	7200		NA	NA	NA	NA
Zinc	SA	107	214	23000	100000		18.4	NA	NA	NA
Zinc	SSA	221	488	23000	100000		NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG					
Reference:						TA547	TA547	TA547	TA547
Location ID:						547-S-6	547-S-7	547-S-8	547-S-9
Field Sample ID:						VDRMOS6	547-S-7	547-S-8	547-S-9
Sample Date:						7/31/2000	5/18/2001	5/18/2001	5/18/2001
Sample Depth:	Type	95% UCL	99% UCL	Residential	Industrial	0.0	0.0	0.0	0.0
Oil and Grease (mg/kg)									
Oil & Grease, total rec	--	--	--	--	--	<10	NA	NA	NA
Polychlorinated biphenyls (mg/kg)									
PCB-1254 (Aroctor 1254)	--	--	--	0.22 (ca)	0.74 (ca)	<0.01	**107**	**77.6**	**93.2**
PCB-1260 (Aroctor 1260)	--	--	--	0.22 (ca)	0.74 (ca)	NA	NA	NA	NA
Semivolatile Organic Compounds (mg/kg)									
2-Methylnaphthalene	--	--	--	--	--	<0.333	NA	NA	NA
Acenaphthene	--	--	--	3700	29000	<0.333	NA	NA	NA
Anthracene	--	--	--	22000	100000	<0.333	NA	NA	NA
Benzo(a)anthracene	--	--	--	0.62 (ca)	2.1 (ca)	<0.333	NA	NA	NA
Benzo(a)pyrene	--	--	--	0.062 (ca)	0.21 (ca)	<0.333	NA	NA	NA
Benzo(k)fluoranthene	--	--	--	0.38 (ca)	1.3 (ca)	<0.333	NA	NA	NA
Chrysene	--	--	--	3.8 (ca)	13 (ca)	<0.333	NA	NA	NA
Dibenzofuran	--	--	--	150	1600	<0.333	NA	NA	NA
Fluoranthene	--	--	--	2300	22000	<0.333	NA	NA	NA
Fluorene	--	--	--	2700	26000	<0.333	NA	NA	NA
Naphthalene	--	--	--	1.7 (ca)	4.2 (ca)	<0.333	NA	NA	NA
Phenanthrene	--	--	--	--	--	<0.333	NA	NA	NA
Pyrene	--	--	--	2300	29000	<0.333	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	--	--	--	100 (rwqcb)	--	<10	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
						Location ID:	169-CS01	169-CS02	169-CS03	169-CS04	169-CS05	169-CS05
						Field Sample ID:	169-CS01-SS0.0	169-CS02-SS0.0	169-CS03-SS0.0	169-CS04-SS0.0	169-CS05-SS0.0	169-CS95-SS0.0 (FD)
						Sample Date:	6/3/2003	6/3/2003	6/3/2003	6/3/2003	6/3/2003	6/3/2003
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	--	--	--	3700	29000		NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA
Anthracene (SIM)	--	--	--	22000	100000		NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		NA	NA	NA	NA	NA	NA
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	--	--	--	2300	22000		NA	NA	NA	NA	NA	NA
Fluorene (SIM)	--	--	--	2700	26000		NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA
Pyrene (SIM)	--	--	--	2300	29000		NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		NA	NA	NA	NA	NA	NA
Antimony	SSA	0.4	0.4	31	410		NA	NA	NA	NA	NA	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	NA	NA	NA	NA	NA
Barium	SSA	215	457	5400	67000		NA	NA	NA	NA	NA	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	NA	NA	NA	NA	NA
Cadmium	SSA	2	2	37	450		NA	NA	NA	NA	NA	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	NA	NA	NA	NA	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	NA	NA	NA	NA	NA
Copper	SSA	127	298	3100	41000		NA	NA	NA	NA	NA	NA
Iron	SSA	35800	67600	23000	100000		NA	NA	NA	NA	NA	NA
Lead	SSA	10	16	150	750		NA	NA	NA	NA	NA	NA
Manganese	SSA	233	554	1800	19000		NA	NA	NA	NA	NA	NA
Mercury	SSA	1	1	23	310		NA	NA	NA	NA	NA	NA
Molybdenum	SSA	3	3	390	5100		NA	NA	NA	NA	NA	NA
Nickel	SSA	86	224	1600	20000		NA	NA	NA	NA	NA	NA
Selenium	SSA	0.5	0.5	390	5100		NA	NA	NA	NA	NA	NA
Silver	SSA	2	2	390	5100		NA	NA	NA	NA	NA	NA
Vanadium	SSA	63	109	550	7200		NA	NA	NA	NA	NA	NA
Zinc	SSA	221	488	23000	100000		NA	NA	NA	NA	NA	NA
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<5.1	<1.1	<0.051	<13	<1	<2.6
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		**36.8**	**5.11**	**0.23**	**86.9**	**9.16**	**12.8**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<5.1	<1.1	<0.051	<13	<1	<2.6
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG									
Reference:						3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:						169-CS06	169-CS07	169-CS08	169-CS09	169-CS10	169-CS11	169-CS12
Field Sample ID:						169-CS06-SS0.0	169-CS07-SS0.0	169-CS08-SS0.0	169-CS09-SS0.0	169-CS10-SS0.0	169-CS11-SS0.0	169-CS12-SS0.0
Sample Date:						6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003
Sample Depth:	Type	95% UCL	99% UCL	Residential	Industrial	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	--	--	--	3700	29000	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	--	--	--	22000	100000	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)	NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	--	--	--	2300	22000	NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	--	--	--	2700	26000	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)	NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	--	--	--	2300	29000	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000	NA	NA	NA	NA	NA	NA	NA
Antimony	SSA	0.4	0.4	31	410	NA	NA	NA	NA	NA	NA	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)	NA	NA	NA	NA	NA	NA	NA
Barium	SSA	215	457	5400	67000	NA	NA	NA	NA	NA	NA	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)	NA	NA	NA	NA	NA	NA	NA
Cadmium	SSA	2	2	37	450	NA	NA	NA	NA	NA	NA	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)	NA	NA	NA	NA	NA	NA	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)	NA	NA	NA	NA	NA	NA	NA
Copper	SSA	127	298	3100	41000	NA	NA	NA	NA	NA	NA	NA
Iron	SSA	35800	67600	23000	100000	NA	NA	NA	NA	NA	NA	NA
Lead	SSA	10	16	150	750	NA	NA	NA	NA	NA	NA	NA
Manganese	SSA	233	554	1800	19000	NA	NA	NA	NA	NA	NA	NA
Mercury	SSA	1	1	23	310	NA	NA	NA	NA	NA	NA	NA
Molybdenum	SSA	2	2	390	5100	NA	NA	NA	NA	NA	NA	NA
Nickel	SSA	86	224	1600	20000	NA	NA	NA	NA	NA	NA	NA
Selenium	SSA	0.5	0.5	390	5100	NA	NA	NA	NA	NA	NA	NA
Silver	SSA	2	2	390	5100	NA	NA	NA	NA	NA	NA	NA
Vanadium	SSA	63	109	550	7200	NA	NA	NA	NA	NA	NA	NA
Zinc	SSA	221	488	23000	100000	NA	NA	NA	NA	NA	NA	NA
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)	<2.6	<10	<2.5	<1	<0.51	<0.51	<0.51
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)	**24.6**	**55**	**17.8**	**10.8**	**3.53**	**3.03**	**2.97**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)	<2.6	<10	<2.5	<1	<0.51	<0.51	<0.51
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--	NA	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE
(Page 17 of 40)

	BTV			Soil PRG		Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
						Location ID:	169-CS13	169-CS14	169-CS15	169-CS16	169-S01	169-S02	169-S03
						Field Sample ID:	169-CS13-SS0.0	169-CS14-SS0.0	169-CS15-SS0.0	169-CS16-SS0.0	169-S01-SS0.0	169-S02-SS0.0	169-S03-SS0.0
						Sample Date:	6/4/2003	6/4/2003	6/5/2003	6/5/2003	6/4/2003	6/4/2003	6/4/2003
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)													
2-Methylnaphthalene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	--	--	--	3700	29000		NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	--	--	--	22000	100000		NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	--	--	--	2300	22000		NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	--	--	--	2700	26000		NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	--	--	--	2300	29000		NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)													
Aluminum	SSA	24700	44300	76000	100000		NA	NA	NA	NA	NA	NA	NA
Antimony	SSA	0.4	0.4	31	410		NA	NA	NA	NA	NA	NA	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	NA	NA	NA	NA	NA	NA
Barium	SSA	215	457	5400	67000		NA	NA	NA	NA	NA	NA	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	NA	NA	NA	NA	NA	NA
Cadmium	SSA	2	2	37	450		NA	NA	NA	NA	NA	NA	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	NA	NA	NA	NA	NA	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	NA	NA	NA	NA	NA	NA
Copper	SSA	127	298	3100	41000		NA	NA	NA	NA	NA	NA	NA
Iron	SSA	35800	67600	23000	100000		NA	NA	NA	NA	NA	NA	NA
Lead	SSA	10	16	150	750		NA	NA	NA	NA	NA	NA	NA
Manganese	SSA	233	554	1800	19000		NA	NA	NA	NA	NA	NA	NA
Mercury	SSA	1	1	23	310		NA	NA	NA	NA	NA	NA	NA
Molybdenum	SSA	2	2	390	5100		NA	NA	NA	NA	NA	NA	NA
Nickel	SSA	86	224	1600	20000		NA	NA	NA	NA	NA	NA	NA
Selenium	SSA	0.5	0.5	390	5100		NA	NA	NA	NA	NA	NA	NA
Silver	SSA	2	2	390	5100		NA	NA	NA	NA	NA	NA	NA
Vanadium	SSA	63	109	550	7200		NA	NA	NA	NA	NA	NA	NA
Zinc	SSA	221	488	23000	100000		NA	NA	NA	NA	NA	NA	NA
Polychlorinated biphenyls (mg/kg)													
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.51	<0.25	<0.051	<0.051	<0.53	<10	<5.3
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		**2.01**	**1.6**	0.172	0.0619	**1.44**	**73.1**	**30.9**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.51	<0.25	<0.051	<0.051	<0.53	<10	<5.3
Total Petroleum Hydrocarbons (mg/kg)													
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG									
Reference:						3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:						169-S04	169-S05	169-S05	169-S06	169-S07	169-S07	169-S08
Field Sample ID:						169-S04-SS0.0	169-S05-SS0.0	169-S95-SS0.0 (FD)	169-S06-SS0.0	169-S07-SS0.0	169-S07-SS1.0	169-S08-SS0.0
Sample Date:						6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	7/3/2003	6/4/2003
Sample Depth:	Type	95% UCL	99% UCL	Residential	Industrial	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	--	--	--	3700	29000	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	--	--	--	22000	100000	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)	NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	--	--	--	2300	22000	NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	--	--	--	2700	26000	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)	NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	--	--	--	2300	29000	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000	NA	NA	NA	NA	NA	NA	NA
Antimony	SSA	0.4	0.4	31	410	NA	NA	NA	NA	NA	NA	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)	NA	NA	NA	NA	NA	NA	NA
Barium	SSA	215	457	5400	67000	NA	NA	NA	NA	NA	NA	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)	NA	NA	NA	NA	NA	NA	NA
Cadmium	SSA	2	2	37	450	NA	NA	NA	NA	NA	NA	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)	NA	NA	NA	NA	NA	NA	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)	NA	NA	NA	NA	NA	NA	NA
Copper	SSA	127	298	3100	41000	NA	NA	NA	NA	NA	NA	NA
Iron	SSA	35800	67600	23000	100000	NA	NA	NA	NA	NA	NA	NA
Lead	SSA	10	16	150	750	NA	NA	NA	NA	NA	NA	NA
Manganese	SSA	233	554	1800	19000	NA	NA	NA	NA	NA	NA	NA
Mercury	SSA	1	1	23	310	NA	NA	NA	NA	NA	NA	NA
Molybdenum	SSA	3	3	390	5100	NA	NA	NA	NA	NA	NA	NA
Nickel	SSA	86	224	1600	20000	NA	NA	NA	NA	NA	NA	NA
Selenium	SSA	0.5	0.5	390	5100	NA	NA	NA	NA	NA	NA	NA
Silver	SSA	2	2	390	5100	NA	NA	NA	NA	NA	NA	NA
Vanadium	SSA	63	109	550	7200	NA	NA	NA	NA	NA	NA	NA
Zinc	SSA	221	488	23000	100000	NA	NA	NA	NA	NA	NA	NA
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)	<10	<5.2	<5.2	<2.6	<130	<0.84	<0.51
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)	**84.3**	**43.4**	**43.7**	**7.77**	**537**	**7.2**	**3.41**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)	<10	<5.2	<5.2	<2.6	<130	<0.52	<0.51
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--	NA	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG									
Reference:						3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:						169-S09	169-S10	169-S11	169-S11	169-S12	169-S13	169-S14
Field Sample ID:						169-S09-SS0.0	169-S10-SS0.0	169-S11-SS0.0	169-S89-SS0.0 (FD)	169-S12-SS0.0	169-S13-SS0.0	169-S14-SS0.0
Sample Date:						6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/5/2003	6/5/2003
Sample Depth:	Type	95% UCL	99% UCL	Residential	Industrial	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	--	--	--	3700	29000	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	--	--	--	22000	100000	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)	NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	--	--	--	2300	22000	NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	--	--	--	2700	26000	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)	NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	--	--	--	--	--	NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	--	--	--	2300	29000	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000	NA	NA	NA	NA	NA	NA	NA
Antimony	SSA	0.4	0.4	31	410	NA	NA	NA	NA	NA	NA	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)	NA	NA	NA	NA	NA	NA	NA
Barium	SSA	215	457	5400	67000	NA	NA	NA	NA	NA	NA	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)	NA	NA	NA	NA	NA	NA	NA
Cadmium	SSA	2	2	37	450	NA	NA	NA	NA	NA	NA	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)	NA	NA	NA	NA	NA	NA	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)	NA	NA	NA	NA	NA	NA	NA
Copper	SSA	127	298	3100	41000	NA	NA	NA	NA	NA	NA	NA
Iron	SSA	35800	67600	23000	100000	NA	NA	NA	NA	NA	NA	NA
Lead	SSA	10	16	150	750	NA	NA	NA	NA	NA	NA	NA
Manganese	SSA	233	554	1800	19000	NA	NA	NA	NA	NA	NA	NA
Mercury	SSA	[illegible]	[illegible]	23	310	NA	NA	NA	NA	NA	NA	NA
Molybdenum	SSA	[illegible]	[illegible]	390	5100	NA	NA	NA	NA	NA	NA	NA
Nickel	SSA	86	224	1600	20000	NA	NA	NA	NA	NA	NA	NA
Selenium	SSA	0.5	0.5	390	5100	NA	NA	NA	NA	NA	NA	NA
Silver	SSA	2	2	390	5100	NA	NA	NA	NA	NA	NA	NA
Vanadium	SSA	63	109	550	7200	NA	NA	NA	NA	NA	NA	NA
Zinc	SSA	221	488	23000	100000	NA	NA	NA	NA	NA	NA	NA
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)	<0.51	<0.51	<0.51	<0.51	<0.25	<0.52	<0.27
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)	**4.3**	**2.63**	**2.3**	**2.64**	**0.984**	<0.52	**1.06**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)	<0.51	<0.51	<0.51	<0.51	<0.25	**2.03**	<0.27
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--	NA	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
						Location ID:	169-S15	169-S16	169-S17	169-S18	169-S19	169-S20	169-S21
						Field Sample ID:	169-S15-SS0.0	169-S16-SS0.0	169-S17-SS0.0	169-S18-SS0.0	169-S19-SS0.0	169-S20-SS0.0	169-S21-SS0.0
						Sample Date:	6/5/2003	6/5/2003	6/5/2003	6/5/2003	6/5/2003	6/5/2003	6/5/2003
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)													
2-Methylnaphthalene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	--	--	--	3700	29000		NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	--	--	--	22000	100000		NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	--	--	--	2300	22000		NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	--	--	--	2700	26000		NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	--	--	--	2300	29000		NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)													
Aluminum	SSA	24700	44300	76000	100000		NA	NA	NA	NA	NA	NA	NA
Antimony	SSA	0.4	0.4	31	410		NA	NA	NA	NA	NA	NA	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	NA	NA	NA	NA	NA	NA
Barium	SSA	215	457	5400	67000		NA	NA	NA	NA	NA	NA	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	NA	NA	NA	NA	NA	NA
Cadmium	SSA	2	2	37	450		NA	NA	NA	NA	NA	NA	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	NA	NA	NA	NA	NA	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	NA	NA	NA	NA	NA	NA
Copper	SSA	127	298	3100	41000		NA	NA	NA	NA	NA	NA	NA
Iron	SSA	35800	67600	23000	100000		NA	NA	NA	NA	NA	NA	NA
Lead	SSA	10	16	150	750		NA	NA	NA	NA	NA	NA	NA
Manganese	SSA	233	554	1800	19000		NA	NA	NA	NA	NA	NA	NA
Mercury	SSA	1	1	23	310		NA	NA	NA	NA	NA	NA	NA
Molybdenum	SSA	3	3	390	5100		NA	NA	NA	NA	NA	NA	NA
Nickel	SSA	86	224	1600	20000		NA	NA	NA	NA	NA	NA	NA
Selenium	SSA	0.5	0.5	390	5100		NA	NA	NA	NA	NA	NA	NA
Silver	SSA	2	2	390	5100		NA	NA	NA	NA	NA	NA	NA
Vanadium	SSA	63	109	550	7200		NA	NA	NA	NA	NA	NA	NA
Zinc	SSA	221	488	23000	100000		NA	NA	NA	NA	NA	NA	NA
Polychlorinated biphenyls (mg/kg)													
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.057	<0.058	<0.55	<0.29	<0.054	<0.05	<0.051
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		**0.463**	0.102	**3.61**	**1.74**	0.109	0.0503	0.115
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.057	<0.058	<0.55	<0.29	<0.054	<0.05	<0.051
Total Petroleum Hydrocarbons (mg/kg)													
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
						Location ID:	169-S22	169-S23	169-S24	169-S25	169-S26	169-S27	169-S28
						Field Sample ID:	169-S22-SS0.0	169-S23-SS0.0	169-S24-SS0.0	169-S25-SS0.0	169-S26-SS0.0	169-S27-SS0.0	169-S28-SS0.0
						Sample Date:	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)													
2-Methylnaphthalene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	--	--	--	3700	29000		NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	--	--	--	22000	100000		NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	--	--	--	2300	22000		NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	--	--	--	2700	26000		NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	--	--	--	2300	29000		NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)													
Aluminum	SSA	24700	44300	76000	100000		NA	NA	NA	NA	NA	NA	NA
Antimony	SSA	0.4	0.4	31	410		NA	NA	NA	NA	NA	NA	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	NA	NA	NA	NA	NA	NA
Barium	SSA	215	457	5400	67000		NA	NA	NA	NA	NA	NA	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	NA	NA	NA	NA	NA	NA
Cadmium	SSA	2	2	37	450		NA	NA	NA	NA	NA	NA	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	NA	NA	NA	NA	NA	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	NA	NA	NA	NA	NA	NA
Copper	SSA	127	298	3100	41000		NA	NA	NA	NA	NA	NA	NA
Iron	SSA	35800	67600	23000	100000		NA	NA	NA	NA	NA	NA	NA
Lead	SSA	10	16	150	750		NA	NA	NA	NA	NA	NA	NA
Manganese	SSA	233	554	1800	19000		NA	NA	NA	NA	NA	NA	NA
Mercury	SSA	1	1	23	310		NA	NA	NA	NA	NA	NA	NA
Molybdenum	SSA	3	3	390	5100		NA	NA	NA	NA	NA	NA	NA
Nickel	SSA	86	224	1600	20000		NA	NA	NA	NA	NA	NA	NA
Selenium	SSA	0.5	0.5	390	5100		NA	NA	NA	NA	NA	NA	NA
Silver	SSA	2	2	390	5100		NA	NA	NA	NA	NA	NA	NA
Vanadium	SSA	63	109	550	7200		NA	NA	NA	NA	NA	NA	NA
Zinc	SSA	221	488	23000	100000		NA	NA	NA	NA	NA	NA	NA
Polychlorinated biphenyls (mg/kg)													
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.042	<0.042	<0.043	<0.083	<0.21	<0.042	<0.042
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		**0.33**	**0.31**	**0.24**	**0.52**	**0.95**	**0.27**	**0.604**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.026	<0.026	<0.027	<0.052	<0.13	<0.026	<0.026
Total Petroleum Hydrocarbons (mg/kg)													
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
						Location ID:	169-S29	169-S30	169-S31	169-S32	169-S33	169-S34	169-S35
						Field Sample ID:	169-S29-SS0.0	169-S30-SS0.0	169-S31-SS0.0	169-S32-SS0.0	169-S33-SS0.0	169-S34-SS0.0	169-S35-SS0.0
						Sample Date:	7/3/2003	7/3/2003	4/20/2004	4/20/2004	4/20/2004	4/20/2004	4/20/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)													
2-Methylnaphthalene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	--	--	--	3700	29000		NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	--	--	--	22000	100000		NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	--	--	--	2300	22000		NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	--	--	--	2700	26000		NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	--	--	--	--	--		NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	--	--	--	2300	29000		NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)													
Aluminum	SSA	24700	44300	76000	100000		NA	NA	NA	NA	NA	NA	NA
Antimony	SSA	0.4	0.4	31	410		NA	NA	NA	NA	NA	NA	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	NA	NA	NA	NA	NA	NA
Barium	SSA	215	457	5400	67000		NA	NA	NA	NA	NA	NA	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	NA	NA	NA	NA	NA	NA
Cadmium	SSA	2	2	37	450		NA	NA	NA	NA	NA	NA	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	NA	NA	NA	NA	NA	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	NA	NA	NA	NA	NA	NA
Copper	SSA	127	298	3100	41000		NA	NA	NA	NA	NA	NA	NA
Iron	SSA	35800	67600	23000	100000		NA	NA	NA	NA	NA	NA	NA
Lead	SSA	10	16	150	750		NA	NA	NA	NA	NA	NA	NA
Manganese	SSA	233	554	1800	19000		NA	NA	NA	NA	NA	NA	NA
Mercury	SSA	1	1	23	310		NA	NA	NA	NA	NA	NA	NA
Molybdenum	SSA	2	2	390	5100		NA	NA	NA	NA	NA	NA	NA
Nickel	SSA	86	224	1600	20000		NA	NA	NA	NA	NA	NA	NA
Selenium	SSA	0.5	0.5	390	5100		NA	NA	NA	NA	NA	NA	NA
Silver	SSA	2	2	390	5100		NA	NA	NA	NA	NA	NA	NA
Vanadium	SSA	63	109	550	7200		NA	NA	NA	NA	NA	NA	NA
Zinc	SSA	221	488	23000	100000		NA	NA	NA	NA	NA	NA	NA
Polychlorinated biphenyls (mg/kg)													
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.41	<0.041	<0.055	<0.055	<0.057 J	<0.057	<0.056
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		**1.9**	**0.36**	<0.055	<0.055	<0.057 J	0.192	0.114
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.26	<0.026	0.161	**0.227**	0.171 J	<0.057	<0.056
Total Petroleum Hydrocarbons (mg/kg)													
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG									
Reference:						3PDO70	3PDO70	3PDO70	3PDO70	4PTO94	4PTO94	4PTO94
Location ID:						169-S36	169-S37	169-S38	169-S39	169-EX01	169-EX02	169-EX03
Field Sample ID:						169-S36-SS0.0	169-S37-SS0.0	169-S38-SS0.0	169-S39-SS0.0	169-EX01-SS0.0	169-EX02-SS0.0	169-EX03-SS0.0
Sample Date:						4/20/2004	4/20/2004	4/20/2004	4/20/2004	8/4/2004	8/4/2004	8/4/2004
Sample Depth:	Type	95% UCL	99% UCL	Residential	Industrial	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--	NA	NA	NA	NA	<0.26	0.013 F	0.003 F
Acenaphthene (SIM)	--	--	--	3700	29000	NA	NA	NA	NA	<0.26	0.0021 F	<0.026
Acenaphthylene (SIM)	--	--	--	--	--	NA	NA	NA	NA	<0.26	<0.026	<0.026
Anthracene (SIM)	--	--	--	22000	100000	NA	NA	NA	NA	<0.26	0.0028 F	0.0009 F
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	0.0282 F	0.0106 F	<0.026
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	NA	NA	NA	NA	0.0226 F	0.0117 F	<0.026
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	<0.26	<0.026	<0.026
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--	NA	NA	NA	NA	0.0357 F	0.0078 F	<0.026
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)	NA	NA	NA	NA	0.0547 M	0.0245 M	0.001 M
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)	NA	NA	NA	NA	0.0337 M	0.0113 M	<0.026 M
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	NA	NA	NA	NA	<0.26	0.0017 F	<0.026
Fluoranthene (SIM)	--	--	--	2300	22000	NA	NA	NA	NA	0.0258 F	0.0083 F	<0.026
Fluorene (SIM)	--	--	--	2700	26000	NA	NA	NA	NA	<0.26	0.0025 F	0.0013 F
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	NA	NA	NA	0.022 F	0.0062 F	<0.026
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)	NA	NA	NA	NA	<0.26	0.0018 F	<0.026
Phenanthrene (SIM)	--	--	--	--	--	NA	NA	NA	NA	0.0127 F	0.0142 F	0.0048 F
Pyrene (SIM)	--	--	--	2300	29000	NA	NA	NA	NA	0.0358 F	0.0142 F	0.0018 F
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000	NA	NA	NA	NA	6100 J	4870 J	4140 J
Antimony	SSA	0.4	0.4	31	410	NA	NA	NA	NA	1.2 F*	0.35 F	<10
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)	NA	NA	NA	NA	**3.9 F**	**3.2 F**	**2.8 F**
Barium	SSA	215	457	5400	67000	NA	NA	NA	NA	120	43.5	21
Beryllium	SSA	0.8	0.8	150	1900 (ca)	NA	NA	NA	NA	0.027 F	0.03 F	0.028 F
Cadmium	SSA	2	2	37	450	NA	NA	NA	NA	2.3*	0.64	0.16 F
Chromium	SSA	63	110	210 (ca)	450 (ca)	NA	NA	NA	NA	36 J	24.4 J	14.9 J
Cobalt	SSA	6	6	900 (ca)	1900 (ca)	NA	NA	NA	NA	6.3*	4.7	3.1
Copper	SSA	127	298	3100	41000	NA	NA	NA	NA	37.5 J	13.6 J	6.4 J
Iron	SSA	35800	67600	23000	100000	NA	NA	NA	NA	12600	9040	7050
Lead	SSA	10	16	150	750	NA	NA	NA	NA	50.9 J*	19.5 J*	6.9 J
Manganese	SSA	233	554	1800	19000	NA	NA	NA	NA	193	124	118
Mercury	SSA	1	1	23	310	NA	NA	NA	NA	2.8 J*	1.4 J*	0.25 J
Molybdenum	SSA	3	3	390	5100	NA	NA	NA	NA	0.78 F	0.55 F	0.37 F
Nickel	SSA	86	224	1600	20000	NA	NA	NA	NA	38.8	28.3	13.7
Selenium	SSA	0.5	0.5	390	5100	NA	NA	NA	NA	0.44 F	0.37 F	0.27 F
Silver	SSA	2	2	390	5100	NA	NA	NA	NA	12.2*	2.9*	0.23 F
Vanadium	SSA	63	109	550	7200	NA	NA	NA	NA	25.4	22.6	19.2
Zinc	SSA	221	488	23000	100000	NA	NA	NA	NA	309*	123	17.3
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)	<0.057	<0.056	<0.26	<0.051	<0.053	<0.052	<0.052
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)	**0.3**	<0.056	**1.06**	**0.58**	0.143 J	0.0807 J	0.149 J
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)	<0.057	0.0593	<0.26	<0.051	<0.053	<0.052	<0.052
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--	NA	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

		BTV		Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX03	169-EX04	169-EX04	169-EX05	169-EX06	169-EX07
						Field Sample ID:	169-EX97-SS0.0 (FD)	169-EX04-SS0.0	169-EX04A-SS0.0	169-EX05-SS0.0	169-EX06-SS0.0	169-EX07-SS0.0
						Sample Date:	8/4/2004	8/4/2004	9/2/2004	8/4/2004	8/4/2004	8/4/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		<0.026	<0.026	NA	<0.026	<0.026	<0.026
Acenaphthene (SIM)	--	--	--	3700	29000		<0.026	<0.026	NA	<0.026	<0.026	<0.026
Acenaphthylene (SIM)	--	--	--	--	--		<0.026	<0.026	NA	<0.026	<0.026	<0.026
Anthracene (SIM)	--	--	--	22000	100000		<0.026	0.001 F	NA	<0.026	<0.026	<0.026
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	0.0043 F	NA	0.002 F	0.001 F	<0.026
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	0.0038 F	NA	0.0019 F	<0.026	<0.026
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	<0.026	NA	<0.026	<0.026	<0.026
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		<0.026	0.0032 F	NA	0.0015 F	<0.026	<0.026
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		0.0018 M	0.0126 M	NA	0.0049 M	0.0021 M	0.0017 M
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		<0.026 M	0.0072 M	NA	0.0028 M	0.0011 M	0.001 M
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	<0.026	NA	<0.026	<0.026	<0.026
Fluoranthene (SIM)	--	--	--	2300	22000		0.0009 F	0.0091 F	NA	0.0029 F	0.0009 F	<0.026
Fluorene (SIM)	--	--	--	2700	26000		<0.026	<0.026	NA	<0.026	<0.026	<0.026
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	0.0023 F	NA	0.0012 F	<0.026	<0.026
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		<0.026	<0.026	NA	<0.026	<0.026	<0.026
Phenanthrene (SIM)	--	--	--	--	--		<0.026	0.0044 F	NA	0.0015 F	<0.026	<0.026
Pyrene (SIM)	--	--	--	2300	29000		0.0013 F	0.0103 F	NA	0.0039 F	0.0012 F	0.0011 F
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		2220 J	4420 J	NA	3600 J	3880 J	4250 J
Antimony	SSA	0.4	0.4	31	410		<10	0.63 F*	NA	0.28 F	<10	<10
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**2.7 F**	**4 F**	NA	**7.8***	**2.6 F**	**2.4 F**
Barium	SSA	215	457	5400	67000		17.6	47.7	NA	24.1	22.2	25.5
Beryllium	SSA	0.8	0.8	150	1900 (ca)		0.058 F	0.063 F	NA	0.055 F	0.052 F	0.052 F
Cadmium	SSA	2	2	37	450		0.14 F	-	NA	0.26 F	0.33 F	0.29 F
Chromium	SSA	63	110	210 (ca)	450 (ca)		9.9 J	26.8 J	NA	19.4 J	13.3 J	24.4 J
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		3.2	4.7	NA	3.3	3.1	3.6
Copper	SSA	127	298	3100	41000		5.1 J	22.8 J	NA	8.6 J	7.8 J	7.3 J
Iron	SSA	35800	67600	23000	100000		5840	10500	NA	10600	6830	7150
Lead	SSA	10	16	150	750		7.4 J	39.6 J*	NA	13.2 J*	10.1 J*	9.2 J
Manganese	SSA	233	554	1800	19000		129	144	NA	106	127	118
Mercury	SSA	-	-	23	310		0.13 J	0.3 J	NA	0.12 J	0.17 J	0.096 J
Molybdenum	SSA	3	3	390	5100		0.39 F	1.3 F	NA	0.71 F	0.47 F	0.63 F
Nickel	SSA	86	224	1600	20000		13.5	31.9	NA	19.2	15.5	23.4
Selenium	SSA	0.5	0.5	390	5100		0.34 F	0.46 F	NA	0.41 F	<3.1	0.42 F
Silver	SSA	2	2	390	5100		0.17 F	0.92 F	NA	0.16 F	0.28 F	0.055 F
Vanadium	SSA	63	109	550	7200		18.2	23.2	NA	48.1	18.7	18
Zinc	SSA	221	488	23000	100000		16.4	77.1	NA	21.3	25.5	18.3
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.052	<0.052	<0.052	<0.052	<0.052	<0.26
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	**0.498 J**	<0.052	0.119 J	<0.052	**0.578**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	<0.052	<0.052	<0.052	<0.052	<0.26
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE
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	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX07	169-EX08	169-EX09	169-EX10	169-EX10	169-EX11
						Field Sample ID:	169-EX07A-SS0.0	169-EX08-SS0.0	169-EX09-SS0.0	169-EX10-SS0.0	169-EX10A-SS0.0	169-EX11-SS0.0
						Sample Date:	9/17/2004	8/4/2004	8/4/2004	8/4/2004	9/17/2004	8/4/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		NA	<0.028	<0.028	<0.27	<0.027	0.0025 F
Acenaphthene (SIM)	--	--	--	3700	29000		NA	<0.028	<0.028	0.0108 F	<0.027	0.0033 F
Acenaphthylene (SIM)	--	--	--	--	--		NA	<0.028	<0.028	0.0253 F	<0.027	0.0022 F
Anthracene (SIM)	--	--	--	22000	100000		NA	<0.028	<0.028	0.0562 F	<0.027	0.0048 F
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	0.0029 F	0.0016 F	0.193 F	0.0006 F	0.0422
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	<0.028	0.0023 F	**0.204 F**	<0.027	0.0375
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	<0.028	<0.028	<0.27	<0.027	0.0561
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		NA	0.0019 F	0.0013 F	0.0662 F	<0.027	0.0127 F
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		NA	0.0082 M	0.0046 M	**0.445**	<0.027	0.0324 M
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		NA	0.005 M	0.0029 M	0.244 F	<0.027	0.0479 M
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	<0.028	<0.028	0.0232 F	<0.027	0.0054 F
Fluoranthene (SIM)	--	--	--	2300	22000		NA	0.0034 F	0.0018 F	0.272	<0.027	0.037
Fluorene (SIM)	--	--	--	2700	26000		NA	<0.028	<0.028	0.017 F	<0.027	0.0022 F
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	0.001 F	<0.028	0.0631 F	<0.027	0.0125 F
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		NA	<0.028	<0.028	0.0183 F	<0.027	<0.028
Phenanthrene (SIM)	--	--	--	--	--		NA	0.0029 F	0.0014 F	0.138 F	<0.027	0.0259 F
Pyrene (SIM)	--	--	--	2300	29000		NA	0.0054 F	0.0032 F	0.359	<0.027	0.0651
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		NA	5730 J	4520 J	9570 J	NA	3400 J
Antimony	SSA	0.4	0.4	31	410		NA	<11	<11	2.7 F*	NA	<11
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	**2.5 F**	**4.8 F**	**4.3 F**	NA	**2.5 F**
Barium	SSA	215	457	5400	67000		NA	25.3	30.8	95.4	NA	22.1
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	0.13 F	0.24 F	0.044 F	NA	0.036 F
Cadmium	SSA	2	2	37	450		NA	0.71	1.7	34.1*	NA	4.8*
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	15.9 J	20.8 J	72.6 J*	NA	16.5 J
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	3.9	3.6	11.4*	NA	3.1
Copper	SSA	127	298	3100	41000		NA	12.3 J	11.8 J	289 J*	NA	96.8 J
Iron	SSA	35800	67600	23000	100000		NA	7290	9880	**49300***	6290	9970
Lead	SSA	10	16	150	750		NA	9.5 J	11 J*	**226 J***	3.7	37.4 J*
Manganese	SSA	233	554	1800	19000		NA	113	192	365*	54.9	107
Mercury	SSA	1	1	23	310		NA	0.053 J	0.099 J	0.35 J	NA	0.27 J
Molybdenum	SSA	3	3	390	5100		NA	1.7 F	1.6 F	7.3*	NA	0.98 F
Nickel	SSA	86	224	1600	20000		NA	20.2	19.9	66.9	NA	15.6
Selenium	SSA	0.5	0.5	390	5100		NA	0.55 F*	0.69 F*	<3.2	NA	0.29 F
Silver	SSA	2	2	390	5100		NA	<1.1	<1.1	1.2	NA	<1.1
Vanadium	SSA	63	109	550	7200		NA	22.1	27.4	21.4	NA	14.4
Zinc	SSA	221	488	23000	100000		NA	22.2	29.5	1420*	NA	211
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.052	<0.056	<0.057	<1.1	<0.054	<0.28
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		0.0102 F	0.127 J	0.125 J	**6.23**	<0.054	**1.24**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	<0.056	<0.057	<1.1	<0.054	<0.28
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG							
Reference:						4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:						169-EX11	169-EX12	169-EX12	169-EX13	169-EX13	169-EX13
Field Sample ID:						169-EX11A-SS0.0	169-EX12-SS0.0	169-EX12A-SS0.0	169-EX13-SS0.0	169-EX87-SS0.0 (FD)	169-EX13A-SS0.0
Sample Date:						9/17/2004	8/4/2004	9/17/2004	8/4/2004	8/4/2004	9/17/2004
Sample Depth:	Type	95% UCL	99% UCL	Residential	Industrial	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)											
2-Methylnaphthalene (SIM)	--	--	--	--	--	NA	<0.026	NA	<0.026	<0.027	<0.026
Acenaphthene (SIM)	--	--	--	3700	29000	NA	<0.026	NA	0.0096 F	0.0026 F	<0.026
Acenaphthylene (SIM)	--	--	--	--	--	NA	<0.026	NA	0.0029 F	0.0029 F	<0.026
Anthracene (SIM)	--	--	--	22000	100000	NA	<0.026	NA	0.0561	0.011 F	<0.026
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	<0.026	NA	0.331	0.0752	0.0005 F
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	NA	<0.026	NA	**0.198**	**0.0674**	<0.026
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	0.0016 F	NA	0.28	0.0846	<0.026
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--	NA	0.0009 F	NA	0.0495	0.0293	<0.026
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)	NA	0.0014 M	NA	0.224	0.0771	<0.026
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)	NA	<0.026 M	NA	0.307	0.0818	<0.026
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	NA	<0.026	NA	0.0326	0.0153 F	<0.026
Fluoranthene (SIM)	--	--	--	2300	22000	NA	<0.026	NA	0.319	0.0763	<0.026
Fluorene (SIM)	--	--	--	2700	26000	NA	<0.026	NA	0.0078 F	0.0017 F	<0.026
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	NA	<0.026	NA	0.0439	0.0211 F	<0.026
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)	NA	<0.026	NA	<0.026	<0.027	<0.026
Phenanthrene (SIM)	--	--	--	--	--	NA	<0.026	NA	0.184	0.0363	<0.026
Pyrene (SIM)	--	--	--	2300	29000	NA	0.0011 F	NA	0.122 F	0.123	<0.026
Total Metals (mg/kg)											
Aluminum	SSA	24700	44300	76000	100000	NA	4110 J	NA	3910 J	4550 J	NA
Antimony	SSA	0.4	0.4	31	410	NA	<10	NA	0.46 F*	0.54 F*	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)	NA	**2.4 F**	NA	**2.7 F**	**2.8 F**	NA
Barium	SSA	215	457	5400	67000	NA	23.4	NA	27.4	30.4	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)	NA	0.056 F	NA	0.048 F	0.056 F	NA
Cadmium	SSA	2	2	37	450	NA	0.17 F	NA	1.7	1.9	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)	NA	12.2 J	NA	17 J	20.2 J	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)	NA	2.5	NA	3.3	3.6	NA
Copper	SSA	127	298	3100	41000	NA	7.6 J	NA	43.2 J	31.7 J	NA
Iron	SSA	35800	67600	23000	100000	NA	6820	NA	7720	8960	NA
Lead	SSA	10	16	150	750	NA	12.2 J*	NA	24 J*	36.9 J*	NA
Manganese	SSA	233	554	1800	19000	NA	95.3	NA	97.7	110	NA
Mercury	SSA	1	1	23	310	NA	0.11 J	NA	0.13 J	0.16 J	NA
Molybdenum	SSA	3	3	390	5100	NA	0.38 F	NA	0.66 F	0.76 F	NA
Nickel	SSA	86	224	1600	20000	NA	11.7	NA	17	16.9	NA
Selenium	SSA	0.5	0.5	390	5100	NA	0.26 F	NA	0.18 F	0.21 F	NA
Silver	SSA	2	2	390	5100	NA	0.34 F	NA	0.14 F	0.11 F	NA
Vanadium	SSA	63	109	550	7200	NA	18.2	NA	18.9	17.9	NA
Zinc	SSA	221	488	23000	100000	NA	19.7	NA	87.5	104	NA
Polychlorinated biphenyls (mg/kg)											
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)	<0.055	<0.26	<0.053	<2.6	<2.7	<0.052
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)	0.0019 F	**0.854**	0.0454 F	**18**	**18.7**	0.0172 F
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)	<0.055	<0.26	<0.053	<2.6	<2.7	<0.052
Total Petroleum Hydrocarbons (mg/kg)											
Motor oils	--	--	--	100 (rwqcb)	--	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG								
Reference:						4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:						169-EX13	169-EX14	169-EX14	169-EX15	169-EX15	169-EX16
Field Sample ID:						169-EX487A-SS0.0 (FD)	169-EX14-SS0.0	169-EX14A-SS0.0	169-EX15-SS0.0	169-EX15A-SS0.0	169-EX16-SS0.0
Sample Date:						9/17/2004	8/5/2004	9/17/2004	8/5/2004	9/17/2004	9/30/2004
Sample Depth:	Type	95% UCL	99% UCL	Residential	Industrial	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)											
2-Methylnaphthalene (SIM)	--	--	--	--	--	<0.026	<0.27	<0.027	<0.27	<0.028	<0.026
Acenaphthene (SIM)	--	--	--	3700	29000	<0.026	0.0563 F	<0.027	0.0835 F	<0.028	<0.026
Acenaphthylene (SIM)	--	--	--	--	--	<0.026	0.0494 F	<0.027	0.0337 F	<0.028	<0.026
Anthracene (SIM)	--	--	--	22000	100000	<0.026	0.31	<0.027	0.407	<0.028	<0.026
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	<0.026	**1.18**	0.0006 F	**1.42**	0.0005 F	<0.026
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	<0.026	**0.746**	<0.027	**1.16**	<0.028	<0.026
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	<0.026	**1.1**	<0.027	**1.18**	<0.028	<0.026
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--	<0.026	0.162 F	<0.027	0.381	<0.028	<0.026
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)	<0.026	**0.674**	<0.027	**1.08**	<0.028	<0.026
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)	<0.026	1.11	<0.027	1.36	<0.028	<0.026
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	<0.026	**0.106 F**	<0.027	**0.234 F**	<0.028	<0.026
Fluoranthene (SIM)	--	--	--	2300	22000	<0.026	1.46	<0.027	2.03	<0.028	<0.026
Fluorene (SIM)	--	--	--	2700	26000	<0.026	0.0686 F	<0.027	0.079 F	<0.028	<0.026
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	<0.026	0.177 F	<0.027	0.399	<0.028	<0.026
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)	<0.026	<0.27	<0.027	0.0133 F	<0.028	<0.026
Phenanthrene (SIM)	--	--	--	--	--	<0.026	0.809	<0.027	1.09	<0.028	<0.026
Pyrene (SIM)	--	--	--	2300	29000	<0.026	1.67	<0.027	2.5	<0.028	<0.026
Total Metals (mg/kg)											
Aluminum	SSA	24700	44300	76000	100000	NA	8340	NA	33500*	NA	4730
Antimony	SSA	0.4	0.4	31	410	NA	<11	NA	1.3 F*	NA	0.244 F
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)	NA	**4.3 F**	NA	**5 F**	NA	**1.9 F**
Barium	SSA	215	457	5400	67000	NA	42.8	NA	96	NA	15.5
Beryllium	SSA	0.8	0.8	150	1900 (ca)	NA	0.046 F	NA	0.014 F	NA	0.0036 F
Cadmium	SSA	2	2	37	450	NA	6.8*	NA	19.4*	NA	<0.52
Chromium	SSA	63	110	210 (ca)	450 (ca)	NA	38.2 J	NA	106 J*	NA	7.7
Cobalt	SSA	6	6	900 (ca)	1900 (ca)	NA	6.5*	NA	16.5*	NA	1.1
Copper	SSA	127	298	3100	41000	NA	175*	NA	312*	NA	3.1
Iron	SSA	35800	67600	23000	100000	NA	19000	NA	**47200***	6550	5240
Lead	SSA	10	16	150	750	NA	115 J*	NA	**310 J***	4.2	3.7
Manganese	SSA	233	554	1800	19000	NA	193	NA	427*	NA	48.8
Mercury	SSA	1	1	23	310	NA	0.52	NA	0.8	NA	0.064 F
Molybdenum	SSA	3	3	390	5100	NA	2.9 F	NA	22*	NA	0.19 F
Nickel	SSA	86	224	1600	20000	NA	36.5	NA	113*	NA	2.8
Selenium	SSA	0.5	0.5	390	5100	NA	0.41 F	NA	<3.2	NA	0.47 F
Silver	SSA	2	2	390	5100	NA	0.81 F	NA	5.2*	NA	<1
Vanadium	SSA	63	109	550	7200	NA	17.1	NA	19.6	NA	14.8
Zinc	SSA	221	488	23000	100000	NA	723 J*	NA	2110 J*	NA	4.2
Polychlorinated biphenyls (mg/kg)											
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)	<0.052	<0.53	<0.055	<1.1	<0.055	0.0013 F
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)	0.0163 F	**3.17**	0.0054 F	**6.05**	<0.055	<0.052
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)	<0.052	<0.53	<0.055	<1.1	<0.055	<0.052
Total Petroleum Hydrocarbons (mg/kg)											
Motor oils	--	--	--	100 (rwqcb)	--	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX17	169-EX18	169-EX19	169-EX20	169-EX21	169-EX22
						Field Sample ID:	169-EX17-SS0.0	169-EX18-SS0.0	169-EX19-SS0.0	169-EX20-SS0.0	169-EX21-SS0.0	169-EX22-SS0.0
						Sample Date:	9/30/2004	9/24/2004	9/24/2004	9/30/2004	9/30/2004	8/5/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		<0.026	<0.028	<0.026	<0.027	<0.026	<0.27
Acenaphthene (SIM)	--	--	--	3700	29000		<0.026	<0.028	<0.026	<0.027	<0.026	<0.27
Acenaphthylene (SIM)	--	--	--	--	--		<0.026	<0.028	<0.026	<0.027	0.0018 F	0.0193 F
Anthracene (SIM)	--	--	--	22000	100000		<0.026	<0.028	<0.026	<0.027	0.0033 F	0.0679 F
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	0.0005 F	<0.026	<0.027	0.0217 F	0.328
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	<0.028	<0.026	<0.027	0.0332	**0.316**
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	<0.028	<0.026	<0.027	0.0481	0.269 F
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		<0.026	<0.028	<0.026	<0.027	0.0189 F	0.193 F
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		<0.026	<0.028	<0.026	<0.027	0.0135 F	0.364
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		<0.026	<0.028	<0.026	<0.027	0.0188 F	0.379
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	<0.028	<0.026	<0.027	0.0052 F	**0.092 F**
Fluoranthene (SIM)	--	--	--	2300	22000		<0.026	<0.028	<0.026	<0.027	0.0298	0.421
Fluorene (SIM)	--	--	--	2700	26000		<0.026	<0.028	<0.026	<0.027	<0.026	<0.27
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	<0.028	<0.026	<0.027	0.018 F	0.151 F
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		<0.026	<0.028	<0.026	<0.027	<0.026	<0.27
Phenanthrene (SIM)	--	--	--	--	--		<0.026	<0.028	<0.026	<0.027	0.0092 F	0.133 F
Pyrene (SIM)	--	--	--	2300	29000		<0.026	<0.028	<0.026	<0.027	0.0365	0.46
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		5280	3890	3770	5760	5540	8300
Antimony	SSA	0.4	0.4	31	410		0.35 F	0.27 F	0.27 F	<11	0.56 F*	<11
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**2.2 F**	**2.3 F**	**2.6 F**	**2.4 F**	**2.3 F**	**1.2 F**
Barium	SSA	215	457	5400	67000		16.4	11.4	13.4	20.2	21.7	26.8
Beryllium	SSA	0.8	0.8	150	1900 (ca)		<1	0.015 F	0.014 F	0.0075 F	0.0058 F	0.017 F
Cadmium	SSA	2	2	37	450		<0.52	<0.55	<0.52	<0.54	0.33 F	5.4*
Chromium	SSA	63	110	210 (ca)	450 (ca)		9.4	6.3	7.3	9.8	11.7	33.9 J
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		1.1	0.69 F	0.93 F	1.4	2.4	5.5
Copper	SSA	127	298	3100	41000		3.6	2.1 F	3.1	4	10.8	62.6
Iron	SSA	35800	67600	23000	100000		6310	4880	6130	7190	7020	12300
Lead	SSA	10	16	150	750		3.8	3.4	3.7	4.3	19.5*	115 J*
Manganese	SSA	233	554	1800	19000		35.9	16.2	32.8	59.6	100	119
Mercury	SSA	1	1	23	310		0.097 F	0.034 F	0.026 F	0.085 F	0.069 F	0.44
Molybdenum	SSA	3	3	390	5100		0.26 F	0.31 F	0.34 F	0.25 F	0.53 F	2 F
Nickel	SSA	86	224	1600	20000		2.9	1.9 F	2.1	3.3	7.7	36.1
Selenium	SSA	0.5	0.5	390	5100		0.66 F*	0.38 F	0.35 F	0.57 F*	0.86 F*	<3.2
Silver	SSA	2	2	390	5100		<1	<1.1	<1	<1.1	<1	0.36 F
Vanadium	SSA	63	109	550	7200		18	15.3	18.6	20.5	17	9.8
Zinc	SSA	221	488	23000	100000		4.5	3.2	3.9	7.2	85.5	670 J*
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		0.0012 F	<0.055	<0.052	0.0022 F	0.0014 F	<0.27
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	<0.055	<0.052	<0.054	<0.052	**1.2**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	0.0066 F	0.0036 F	<0.054	0.0016 F	<0.27
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX22	169-EX22	169-EX23	169-EX23	169-EX23	169-EX24
						Field Sample ID:	169-EX22A-SS0.0	169-EX22B-SS0.0	169-EX23-SS0.0	169-EX477-SS0.0 (FD)	169-EX23A-SS0.0	169-EX24-SS0.0
						Sample Date:	9/30/2004	10/12/2004	8/5/2004	8/5/2004	9/30/2004	8/5/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		0.001 F	<0.026	0.001 F	<0.26	0.0012 F	<0.026
Acenaphthene (SIM)	--	--	--	3700	29000		0.0034 F	<0.026	0.0108 F	<0.26	0.0041 F	0.0027 F
Acenaphthylene (SIM)	--	--	--	--	--		0.0048 F	<0.026	0.0242 F	0.0292 F	0.0023 F	0.0112 F
Anthracene (SIM)	--	--	--	22000	100000		0.0122 F	<0.026	0.0559	0.0755 F	0.0191 F	0.0161 F
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0384	<0.026	0.225	0.298	0.0531	0.0587
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		**0.0652**	<0.026	**0.196**	**0.242 F**	0.0605	0.0608
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0834	<0.026	0.253	0.26	0.0887	0.0772
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		0.0378	<0.026	0.0844	0.121 F	0.0227 F	0.0287
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		0.0219 F	<0.026	0.173	0.252 F	0.0244 F	0.0585
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		0.0346	<0.026	0.237	0.333	0.0437	0.0661
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		0.0105 F	<0.026	0.053	**0.0673 F**	0.0075 F	0.0151 F
Fluoranthene (SIM)	--	--	--	2300	22000		0.0681	<0.026	0.338	0.431	0.109	0.0919
Fluorene (SIM)	--	--	--	2700	26000		0.003 F	<0.026	0.0104 F	<0.26	0.0045 F	0.0024 F
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.035	<0.026	0.0811	0.116 F	0.0228 F	0.0294
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		0.0015 F	<0.026	0.0015 F	<0.26	0.0013 F	<0.026
Phenanthrene (SIM)	--	--	--	--	--		0.0385	<0.026	0.177	0.138 F	0.0603	0.0458
Pyrene (SIM)	--	--	--	2300	29000		0.0827	<0.026	0.366	0.412	0.11	0.104
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		NA	NA	6550	5610	NA	5440
Antimony	SSA	0.4	0.4	31	410		NA	NA	<11	1.6 F*	NA	0.56 F*
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	NA	**3.2 F**	**3 F**	NA	**2.4 F**
Barium	SSA	215	457	5400	67000		NA	NA	41	49.5	NA	23.9
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	NA	0.043 F	0.032 F	NA	0.0036 F
Cadmium	SSA	2	2	37	450		NA	NA	14.5*	12.5*	NA	4.7*
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	NA	36.6 J	15.6 J	NA	17.4 J
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	NA	4.2	3.6	NA	3.2
Copper	SSA	127	298	3100	41000		NA	NA	37.8	39.7	NA	24.8
Iron	SSA	35800	67600	23000	100000		NA	NA	12500	12200	NA	12300
Lead	SSA	10	16	150	750		NA	NA	129 J*	39.3 J*	NA	59.5 J*
Manganese	SSA	233	554	1800	19000		NA	NA	111	108	NA	114
Mercury	SSA	1	1	23	310		NA	NA	0.18	0.17	NA	0.12
Molybdenum	SSA	2	2	390	5100		NA	NA	1.3 F	1.3 F	NA	1.1 F
Nickel	SSA	86	224	1600	20000		NA	NA	17.8	13.6	NA	14.3
Selenium	SSA	0.5	0.5	390	5100		NA	NA	<3.2	<3.2	NA	<3.2
Silver	SSA	2	2	390	5100		NA	NA	0.11 F	0.11 F	NA	0.58 F
Vanadium	SSA	63	109	550	7200		NA	NA	19.2	16	NA	15
Zinc	SSA	221	488	23000	100000		NA	NA	743 J*	440 J*	NA	166 J
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		0.0021 F	NA	<0.26	<0.26	0.0013 F	<0.053
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	NA	**0.726**	**1.24**	<0.054	**0.326 J**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	NA	<0.26	<0.26	<0.054	<0.053
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE
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	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX24	169-EX24	169-EX25	169-EX25	169-EX26	169-EX26
						Field Sample ID:	169-EX24A-SS0.0	169-EX476A-SS0.0 (FD)	169-EX25-SS0.0	169-EX25A-SS0.0	169-EX26-SS0.0	169-EX26A-SS0.0
						Sample Date:	9/24/2004	9/24/2004	8/9/2004	9/24/2004	8/9/2004	9/24/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		NA	NA	<0.026	NA	0.0017 F	<0.027
Acenaphthene (SIM)	--	--	--	3700	29000		NA	NA	0.0014 F	NA	0.0045 F	<0.027
Acenaphthylene (SIM)	--	--	--	--	--		NA	NA	0.0044 F	NA	0.0145 F	<0.027
Anthracene (SIM)	--	--	--	22000	100000		NA	NA	0.0076 F	NA	0.0311	<0.027
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	0.0371	NA	0.13	0.002 F
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	0.0351	NA	**0.135**	0.0024 F
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	0.0443	NA	<0.026	0.0033 F
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		NA	NA	0.0186 F	NA	0.0447	0.0017 F
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		NA	NA	0.0319	NA	0.318	0.0014 F
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		NA	NA	0.037	NA	0.159	0.0027 F
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	0.0098 F	NA	0.0222 F	<0.027
Fluoranthene (SIM)	--	--	--	2300	22000		NA	NA	0.043	NA	0.227	0.0019 F
Fluorene (SIM)	--	--	--	2700	26000		NA	NA	0.0009 F	NA	0.0055 F	<0.027
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	0.0224 F	NA	0.0454	0.0014 F
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		NA	NA	<0.026	NA	0.0034 F	<0.027
Phenanthrene (SIM)	--	--	--	--	--		NA	NA	0.0198 F	NA	0.141	<0.027
Pyrene (SIM)	--	--	--	2300	29000		NA	NA	0.0552	NA	0.255	0.0022 F
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		NA	NA	5750	NA	6440	NA
Antimony	SSA	0.4	0.4	31	410		NA	NA	<10	NA	2 F*	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	NA	**2 F**	NA	**2.5 F**	NA
Barium	SSA	215	457	5400	67000		NA	NA	22	NA	41.1	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	NA	0.042 F	NA	0.07 F	NA
Cadmium	SSA	2	2	37	450		NA	NA	1.1	NA	3.2*	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	NA	14.3	NA	24	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	NA	2	NA	4.2	NA
Copper	SSA	127	298	3100	41000		NA	NA	24.2	NA	45.2	NA
Iron	SSA	35800	67600	23000	100000		NA	NA	6680	NA	12500	NA
Lead	SSA	10	16	150	750		NA	NA	20.1*	NA	65.1*	NA
Manganese	SSA	233	554	1800	19000		NA	NA	65.2	NA	128	NA
Mercury	SSA	1	1	23	310		NA	NA	0.099 F	NA	0.28	NA
Molybdenum	SSA	2	2	390	5100		NA	NA	0.57 F	NA	1.6 F	NA
Nickel	SSA	86	224	1600	20000		NA	NA	9.1	NA	21	NA
Selenium	SSA	0.5	0.5	390	5100		NA	NA	0.088 F	NA	<3.1	NA
Silver	SSA	2	2	390	5100		NA	NA	<1	NA	0.5 F	NA
Vanadium	SSA	63	109	550	7200		NA	NA	13.6	NA	13.7	NA
Zinc	SSA	221	488	23000	100000		NA	NA	145	NA	542*	NA
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.052	<0.051	<0.052	<0.051	<0.26	<0.054
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	<0.051	**0.261**	0.0421 F	**1.22**	<0.054
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		0.0032 F	0.0033 F	<0.052	<0.051	<0.26	0.006 F
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX27	169-EX28	169-EX28	169-EX29	169-EX30	169-EX31
						Field Sample ID:	169-EX27-SS0.0	169-EX28-SS0.0	169-EX28A-SS0.0	169-EX29-SS0.0	169-EX30-SS0.0	169-EX31-SS0.0
						Sample Date:	9/24/2004	9/23/2004	10/12/2004	9/22/2004	9/21/2004	9/21/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		<0.026	<0.052	NA	<0.026	<0.026	<0.026
Acenaphthene (SIM)	--	--	--	3700	29000		<0.026	0.0072 F	NA	0.001 F	<0.026	<0.026
Acenaphthylene (SIM)	--	--	--	--	--		<0.026	0.0027 F	NA	<0.026	<0.026	<0.026
Anthracene (SIM)	--	--	--	22000	100000		<0.026	0.0243 F	NA	0.0013 F	<0.026	<0.026
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0006 F	0.0506 F	NA	0.0033 F	0.0018 F	0.0006 F
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	0.0571	NA	0.0048 F	0.0021 F	<0.026
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	0.106	NA	0.0072 F	0.0038 F	<0.026
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		<0.026	0.0193 F	NA	0.0034 F	0.0015 F	<0.026
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		<0.026	0.0324 F	NA	0.0032 F	<0.026	<0.026
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		<0.026	0.0262 F	NA	0.0034 F	0.0017 F	<0.026
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	0.0063 F	NA	0.0008 F	0.0008 F	<0.026
Fluoranthene (SIM)	--	--	--	2300	22000		<0.026	0.118	NA	0.008 F	0.0029 F	<0.026
Fluorene (SIM)	--	--	--	2700	26000		<0.026	0.0076 F	NA	0.0008 F	<0.026	<0.026
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	0.0186 F	NA	0.0028 F	0.0012 F	<0.026
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		<0.026	<0.052	NA	0.0011 F	<0.026	<0.026
Phenanthrene (SIM)	--	--	--	--	--		<0.026	0.0983	NA	0.0054 F	0.001 F	<0.026
Pyrene (SIM)	--	--	--	2300	29000		<0.026	0.118	NA	0.0076 F	0.0035 F	<0.026
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		2860	4930 J	NA	3210	3190	2700
Antimony	SSA	0.4	0.4	31	410		0.26 F	0.48 F*	NA	0.28 F	0.41 F*	0.27 F
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**2.2 F**	**2.2 F**	NA	**1.9 F**	**1.9 F**	**1.6 F**
Barium	SSA	215	457	5400	67000		17	24.9	NA	18.3	18.2	16.3
Beryllium	SSA	0.8	0.8	150	1900 (ca)		0.038 F	0.029 F	NA	0.039 F	0.02 F	0.041 F
Cadmium	SSA	2	2	37	450		0.037 F	1.7	NA	0.65	0.082 F	<0.52
Chromium	SSA	63	110	210 (ca)	450 (ca)		6.5	13.8	NA	8.3	6.5	4.9
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		1.3	2.8	NA	1.6	1.4	0.98 F
Copper	SSA	127	298	3100	41000		3	24.9	NA	9.8	3.9	2.2
Iron	SSA	35800	67600	23000	100000		5670	7960	NA	6120	5140	4370
Lead	SSA	10	16	150	750		3.6	29.6*	NA	11.6*	4.8	2.8 F
Manganese	SSA	233	554	1800	19000		61.8	91.7	NA	56.6	50.9	35
Mercury	SSA	1	1	23	310		0.019 F	0.17	NA	0.068 F	0.018 F	0.015 F
Molybdenum	SSA	3	3	390	5100		0.38 F	0.66 F	NA	1.1 F	0.33 F	0.35 F
Nickel	SSA	86	224	1600	20000		2.7	14.2	NA	5.2	4.1	2.2
Selenium	SSA	0.5	0.5	390	5100		0.51 F*	0.41 F	NA	0.16 F	0.46 F	0.32 F
Silver	SSA	2	2	390	5100		<1	0.064 F	NA	<1	<1	<1
Vanadium	SSA	63	109	550	7200		14.7	13.4	NA	12	13.5	11.3
Zinc	SSA	221	488	23000	100000		11.5	295*	NA	96.6	10.7	3.6
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.052	<0.26	0.0059 F	<0.051	<0.051	<0.052
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	**0.468**	<0.053	0.0986	<0.051	<0.052
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	<0.26	<0.053	<0.051	0.0019 F	0.011 F
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX32	169-EX33	169-EX33	169-EX34	169-EX35	169-EX36
						Field Sample ID:	169-EX32-SS0.0	169-EX33-SS0.0	169-EX467-SS0.0 (FD)	169-EX34-SS0.0	169-EX35-SS0.0	169-EX36-SS0.0
						Sample Date:	9/22/2004	9/23/2004	9/23/2004	9/23/2004	9/22/2004	9/22/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Acenaphthene (SIM)	--	--	--	3700	29000		<0.026	<0.026	<0.026	0.0013 F	<0.026	<0.026
Acenaphthylene (SIM)	--	--	--	--	--		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Anthracene (SIM)	--	--	--	22000	100000		<0.026	<0.026	<0.026	0.0038 F	<0.026	0.0012 F
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0006 F	<0.026	0.0008 F	0.0092 F	<0.026	0.0035 F
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	<0.026	<0.026	0.0093 F	<0.026	0.0054 F
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	<0.026	0.0008 F	0.0126 F	<0.026	0.0132 F
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		<0.026	<0.026	0.0005 F	0.0059 F	<0.026	0.0042 F
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		<0.026	<0.026	<0.026	0.0051 F	<0.026	<0.026
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		<0.026	<0.026	<0.026	0.0081 F	<0.026	0.0042 F
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	<0.026	<0.026	0.0011 F	<0.026	<0.026
Fluoranthene (SIM)	--	--	--	2300	22000		<0.026	<0.026	<0.026	0.0224 F	<0.026	0.0102 F
Fluorene (SIM)	--	--	--	2700	26000		<0.026	<0.026	<0.026	0.0017 F	<0.026	<0.026
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	<0.026	<0.026	0.0051 F	<0.026	0.0029 F
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Phenanthrene (SIM)	--	--	--	--	--		<0.026	<0.026	<0.026	0.0167 F	<0.026	0.0055 F
Pyrene (SIM)	--	--	--	2300	29000		<0.026	<0.026	0.0007 F	0.0186 F	<0.026	0.0094 F
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		3400	4060 J	2860 J	4110 J	4840	3730
Antimony	SSA	0.4	0.4	31	410		<10	<10	0.49 F*	<10	<10	0.29 F
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**2.1 F**	**1.7 F**	**2.5 F**	**1.8 F**	**2 F**	**2.5 F**
Barium	SSA	215	457	5400	67000		13.9	15.8	14.9	17.7	20	23.1
Beryllium	SSA	0.8	0.8	150	1900 (ca)		0.052 F	0.0036 F	0.046 F	0.03 F	0.05 F	0.022 F
Cadmium	SSA	2	2	37	450		<0.51	<0.51	<0.51	0.15 F	<0.51	1.4
Chromium	SSA	63	110	210 (ca)	450 (ca)		6.1	5.9	6.7	6.4	7.8	26.7
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		0.89 F	1.1	1.1	1.1	1.1	2.2
Copper	SSA	127	298	3100	41000		1.6 F	2.3	2.3	3	2.5	21.4
Iron	SSA	35800	67600	23000	100000		5140	4520	6100	5310	6240	8600
Lead	SSA	10	16	150	750		3.4	3 F	3.5	3.3	3.4	27.4*
Manganese	SSA	233	554	1800	19000		23.7	33.3	35.3	43.6	30.7	83.9
Mercury	SSA	1	1	23	310		0.027 F	0.016 F	0.039 F	0.023 F	0.014 F	0.057 F
Molybdenum	SSA	2	2	390	5100		0.25 F	0.29 F	0.28 F	0.19 F	0.24 F	0.56 F
Nickel	SSA	86	224	1600	20000		2.4	2.7	2.3	3.1	3.8	17.9
Selenium	SSA	0.5	0.5	390	5100		<3.1	0.33 F	0.49 F	0.48 F	0.5 F	0.36 F
Silver	SSA	2	2	390	5100		<1	<1	<1	<1	<1	1
Vanadium	SSA	63	109	550	7200		13.3	11.2	14.6	11.9	13.7	13.7
Zinc	SSA	221	488	23000	100000		3.5	4.9	5.1	211	5.1	90.3
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.051	<0.051	<0.051	<0.052	<0.051	<0.051
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		<0.051	<0.051	0.0178 F	0.0247 F	<0.051	0.165
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		0.0037 F	0.0042 F	<0.051	<0.052	0.0044 F	<0.051
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX37	169-EX37	169-EX38	169-EX39	169-EX39	169-EX40
						Field Sample ID:	169-EX37-SS0.0	169-EX37A-SS0.0	169-EX38-SS0.0	169-EX39-SS0.0	169-EX39A-SS0.0	169-EX40-SS0.0
						Sample Date:	9/23/2004	10/12/2004	9/23/2004	9/28/2004	10/12/2004	9/29/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		<0.27	NA	<0.026	<0.52	<0.026	<0.028
Acenaphthene (SIM)	--	--	--	3700	29000		<0.27	NA	<0.026	0.0231 F	<0.026	<0.028
Acenaphthylene (SIM)	--	--	--	--	--		<0.27	NA	<0.026	0.018 F	<0.026	<0.028
Anthracene (SIM)	--	--	--	22000	100000		<0.27	NA	<0.026	0.126 F	<0.026	<0.028
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0146 F	NA	0.001 F	0.476 F	<0.026	<0.028
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		0.0141 F	NA	0.0035 F	**0.419 F**	<0.026	<0.028
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0318 F	NA	0.0038 F	0.561	<0.026	<0.028
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		0.0126 F	NA	0.0009 F	0.258 F	<0.026	<0.028
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		<0.27	NA	<0.026	0.209 F	<0.026	<0.028
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		0.0191 F	NA	0.0026 F	0.234 F	<0.026	<0.028
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.27	NA	<0.026	0.0605 F	<0.026	<0.028
Fluoranthene (SIM)	--	--	--	2300	22000		0.0158 F	NA	0.0028 F	1.21	<0.026	<0.028
Fluorene (SIM)	--	--	--	2700	26000		<0.27	NA	<0.026	0.0172 F	<0.026	<0.028
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0089 F	NA	0.0009 F	0.221 F	<0.026	<0.028
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		<0.27	NA	<0.026	<0.52	<0.026	<0.028
Phenanthrene (SIM)	--	--	--	--	--		<0.27	NA	0.0011 F	0.436 F	<0.026	<0.028
Pyrene (SIM)	--	--	--	2300	29000		0.0194 F	NA	0.0029 F	1.15	<0.026	<0.028
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		11500 J	NA	4930 J	7110 J	NA	5840
Antimony	SSA	0.4	0.4	31	410		<11	NA	0.28 F	5.1 F*	NA	0.52 F*
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**2.1 F**	NA	**2.2 F**	**3.2 F**	NA	**3.3 F**
Barium	SSA	215	457	5400	67000		40.2	NA	24.8	65.8 M	NA	50.5
Beryllium	SSA	0.8	0.8	150	1900 (ca)		0.086 F	NA	0.063 F	<10	NA	0.029 F
Cadmium	SSA	2	2	37	450		0.81	NA	0.37 F	16.1*	NA	0.58
Chromium	SSA	63	110	210 (ca)	450 (ca)		23.4	NA	12.8	45.4	NA	17.6
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		6.3*	NA	2.2	7.2 F*	NA	2.8
Copper	SSA	127	298	3100	41000		21.2	NA	10.5	99.1	NA	13.5
Iron	SSA	35800	67600	23000	100000		9910	NA	6300	**50800 J***	4250	9150
Lead	SSA	10	16	150	750		40.7*	NA	29.8*	**361***	2.5 F	24.7*
Manganese	SSA	233	554	1800	19000		272*	NA	53.4	378*	NA	109
Mercury	SSA	1	1	23	310		0.15	NA	0.02 F	0.54	NA	0.73
Molybdenum	SSA	3	3	390	5100		0.3 F	NA	0.27 F	3.2 F*	NA	0.44 F
Nickel	SSA	86	224	1600	20000		43.7	NA	9.2	48	NA	13.2
Selenium	SSA	0.5	0.5	390	5100		0.25 F	NA	0.37 F	0.81 F*	NA	0.81 F*
Silver	SSA	2	2	390	5100		<1.1	NA	<1.1	<10	NA	3.3*
Vanadium	SSA	63	109	550	7200		16.4	NA	13.9	15.2	NA	22.5
Zinc	SSA	221	488	23000	100000		155	NA	293*	3400 J*	NA	88.5
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.27	0.0039 F	<0.053	3.45	0.0042 F	0.0013 F
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		**0.883**	<0.052	0.115	**4.39**	<0.052	<0.055
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.27	<0.052	<0.053	<1	<0.052	<0.055
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE
(Page 34 of 40)

	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX41	169-EX42	169-EX42	169-EX43	169-EX43	169-EX44
						Field Sample ID:	169-EX41-SS0.0	169-EX42-SS0.0	169-EX42A-SS0.0	169-EX43-SS0.0	169-EX457-SS0.0 (FD)	169-EX44-SS0.0
						Sample Date:	9/29/2004	9/29/2004	10/13/2004	9/29/2004	9/29/2004	9/2/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		<0.026	<0.026	NA	0.001 F	<0.026	NA
Acenaphthene (SIM)	--	--	--	3700	29000		<0.026	<0.026	NA	<0.026	<0.026	NA
Acenaphthylene (SIM)	--	--	--	--	--		<0.026	<0.026	NA	<0.026	<0.026	NA
Anthracene (SIM)	--	--	--	22000	100000		<0.026	<0.026	NA	<0.026	<0.026	NA
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0022 F	<0.026	NA	<0.026	<0.026	NA
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		0.0006 F	<0.026	NA	0.0019 F	<0.026	NA
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0011 F	<0.026	NA	0.0041 F	<0.026	NA
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		0.0008 F	<0.026	NA	0.0102 F	<0.026	NA
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		<0.026	<0.026	NA	<0.026	<0.026	NA
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		<0.026	<0.026	NA	0.0044 F	<0.026	NA
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	<0.026	NA	<0.026	<0.026	NA
Fluoranthene (SIM)	--	--	--	2300	22000		<0.026	<0.026	NA	0.0013 F	<0.026	NA
Fluorene (SIM)	--	--	--	2700	26000		<0.026	<0.026	NA	<0.026	<0.026	NA
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	<0.026	NA	0.0027 F	<0.026	NA
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		<0.026	<0.026	NA	0.0012 F	<0.026	NA
Phenanthrene (SIM)	--	--	--	--	--		<0.026	<0.026	NA	<0.026	<0.026	NA
Pyrene (SIM)	--	--	--	2300	29000		<0.026	<0.026	NA	0.0017 F	<0.026	NA
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		6300	5800	NA	3310	3630	NA
Antimony	SSA	0.4	0.4	31	410		0.51 F*	<10	NA	<10	0.34 F	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**2.9 F**	**4.2 F**	NA	**2 F**	**2 F**	NA
Barium	SSA	215	457	5400	67000		40.2	24.5	NA	10.6	10.9	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		0.037 F	0.052 F	NA	<1	<1	NA
Cadmium	SSA	2	2	37	450		0.46 F	0.073 F	NA	<0.52	<0.51	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		31.9	16.2	NA	6.3	7.1	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		3.4	2.2	NA	0.79 F	0.84 F	NA
Copper	SSA	127	298	3100	41000		11.8	6.8	NA	2.5	2.6	NA
Iron	SSA	35800	67600	23000	100000		9070	10300	NA	4970	4990	NA
Lead	SSA	10	16	150	750		17.8*	10.4*	NA	4.4	4.7	NA
Manganese	SSA	233	554	1800	19000		104	65.6	NA	18.8	20.8	NA
Mercury	SSA	1	1	23	310		0.71	0.11	NA	0.055 F	0.062 F	NA
Molybdenum	SSA	3	3	390	5100		0.31 F	0.51 F	NA	0.43 F	0.41 F	NA
Nickel	SSA	86	224	1600	20000		18.6	10	NA	2.3	2.6	NA
Selenium	SSA	0.5	0.5	390	5100		0.89 F*	0.77 F*	NA	0.47 F	0.46 F	NA
Silver	SSA	2	2	390	5100		1.5	<1	NA	<1	<1	NA
Vanadium	SSA	63	109	550	7200		22.4	31.2	NA	16.6	16.3	NA
Zinc	SSA	221	488	23000	100000		72.4	15.7	NA	4.3	4.8	NA
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.052	<0.052	0.0331 F	<0.052	0.0016 F	<0.26
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		0.112	**0.289**	<0.058	0.209	<0.051	**0.971**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	<0.052	0.0387 F	<0.052	<0.051	<0.26
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX44	169-EX45	169-EX46	169-EX47	169-EX47	169-EX48
						Field Sample ID:	169-EX44A-SS0.0	169-EX45-SS0.0	169-EX46-SS0.0	169-EX47-SS0.0	169-EX47A-SS0.0	169-EX48-SS0.0
						Sample Date:	9/30/2004	8/12/2004	8/12/2004	8/12/2004	9/24/2004	8/12/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		<0.026	<0.026	<0.026	<0.026	NA	<0.026
Acenaphthene (SIM)	--	--	--	3700	29000		<0.026	<0.026	<0.026	<0.026	NA	<0.026
Acenaphthylene (SIM)	--	--	--	--	--		<0.026	<0.026	<0.026	<0.026	NA	<0.026
Anthracene (SIM)	--	--	--	22000	100000		<0.026	<0.026	<0.026	<0.026	NA	<0.026
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	<0.026	<0.026	0.006 F	NA	0.0034 F
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	<0.026	<0.026	0.003 F	NA	0.0032 F
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	<0.026	0.0111 F	0.014 F	NA	0.0135 F
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		<0.026	<0.026	<0.026	0.002 F	NA	0.0021 F
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		<0.026	<0.026	<0.026	0.0023 F	NA	0.0032 F
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		<0.026	<0.026	<0.026	0.0065 F	NA	0.004 F
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	<0.026	<0.026	<0.026	NA	<0.026
Fluoranthene (SIM)	--	--	--	2300	22000		<0.026	<0.026	<0.026	0.0067 F	NA	0.0045 F
Fluorene (SIM)	--	--	--	2700	26000		<0.026	<0.026	<0.026	<0.026	NA	<0.026
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	<0.026	<0.026	0.0021 F	NA	0.0033 F
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		<0.026	<0.026	<0.026	<0.026	NA	<0.026
Phenanthrene (SIM)	--	--	--	--	--		<0.026	<0.026	<0.026	0.0056 F	NA	0.0028 F
Pyrene (SIM)	--	--	--	2300	29000		<0.026	<0.026	<0.026	0.0282	NA	0.0056 F
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		5130	5760	5370	5330	NA	4850
Antimony	SSA	0.4	0.4	31	410		0.29 F	<10	<10	<11	NA	<10
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**2.2 F**	**2.9 F**	**2.7 F**	**2.5 F**	NA	**2.5 F**
Barium	SSA	215	457	5400	67000		12.6	22.1	21.5	26.7	NA	24.1
Beryllium	SSA	0.8	0.8	150	1900 (ca)		<1	0.025 F	0.034 F	0.026 F	NA	0.029 F
Cadmium	SSA	2	2	37	450		<0.52	0.13 F	0.11 F	0.15 F	NA	0.22 F
Chromium	SSA	63	110	210 (ca)	450 (ca)		9	11.8	10.6	11.7	NA	10.6
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		1.1	2	2.2	2.1	NA	2
Copper	SSA	127	298	3100	41000		2.6	6.7	7	6.7	NA	7.6
Iron	SSA	35800	67600	23000	100000		5980	7670 J	7260 J	7080 J	NA	6880 J
Lead	SSA	10	16	150	750		4.4	6.9	7.6	9.5	NA	9.4
Manganese	SSA	233	554	1800	19000		31.8	74	67	62.1	NA	59
Mercury	SSA	1	1	23	310		0.056 F	0.076 F	0.093 F	0.12	NA	0.13
Molybdenum	SSA	3	3	390	5100		0.11 F	0.41 F	0.33 F	0.3 F	NA	0.35 F
Nickel	SSA	86	224	1600	20000		3.6	6.8	17.2	10.2	NA	7.9
Selenium	SSA	0.5	0.5	390	5100		0.55 F*	0.56 F*	0.59 F*	0.55 F*	NA	0.71 F*
Silver	SSA	2	2	390	5100		<1	<1	<1	0.27 F	NA	0.42 F
Vanadium	SSA	63	109	550	7200		17.1	21	18.8	18.1	NA	18.6
Zinc	SSA	221	488	23000	100000		4.3	18.6	22.6	27.9	NA	27.6
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		0.0012 F	<0.052	<0.052	<0.053	<0.054	<0.26
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	0.0162 J	0.0581	**0.251**	0.0335 F	**0.767**
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	<0.052	<0.052	<0.053	<0.054	<0.26
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX48	169-EX49	169-EX49	169-EX50	169-EX51	169-EX51
						Field Sample ID:	169-EX48A-SS0.0	169-EX49-SS0.0	169-EX49A-SS0.0	169-EX50-SS0.0	169-EX51-SS0.0	169-EX51A-SS0.0
						Sample Date:	9/24/2004	8/12/2004	9/24/2004	8/12/2004	8/12/2004	9/24/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		NA	<0.026	NA	<0.026	<0.026	NA
Acenaphthene (SIM)	--	--	--	3700	29000		NA	<0.026	NA	<0.026	<0.026	NA
Acenaphthylene (SIM)	--	--	--	--	--		NA	<0.026	NA	<0.026	0.0024 F	NA
Anthracene (SIM)	--	--	--	22000	100000		NA	<0.026	NA	<0.026	0.0058 F	NA
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	0.0042 F	NA	0.0105 F	0.0399	NA
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	0.0032 F	NA	0.0078 F	0.0281	NA
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	0.0133 F	NA	0.0193 F	0.052	NA
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		NA	0.0019 F	NA	0.0067 F	0.0123 F	NA
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		NA	0.003 F	NA	0.0058 F	0.0156 F	NA
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		NA	0.0043 F	NA	0.0085 F	0.0287	NA
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	<0.026	NA	<0.026	0.0048 F	NA
Fluoranthene (SIM)	--	--	--	2300	22000		NA	0.0062 F	NA	0.0226 F	0.0468	NA
Fluorene (SIM)	--	--	--	2700	26000		NA	<0.026	NA	<0.026	<0.026	NA
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	0.0018 F	NA	0.0037 F	0.0112 F	NA
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		NA	<0.026	NA	<0.026	<0.026	NA
Phenanthrene (SIM)	--	--	--	--	--		NA	0.0065 F	NA	0.0067 F	0.0294	NA
Pyrene (SIM)	--	--	--	2300	29000		NA	0.0096 F	NA	<0.026	0.0605	NA
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		NA	5530	NA	4230	3890	NA
Antimony	SSA	0.4	0.4	31	410		NA	<10	NA	<10	<10	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	**5.8***	**1.4**	**2.4 F**	**2.5 F**	NA
Barium	SSA	215	457	5400	67000		NA	21.9	NA	18.5	22.3	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	0.06 F	NA	0.018 F	0.053 F	NA
Cadmium	SSA	2	2	37	450		NA	0.054 F	NA	0.11 F	0.18 F	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	11.9	NA	7.7	8.7	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	2	NA	1.3	1.7	NA
Copper	SSA	127	298	3100	41000		NA	6.4	NA	5.5	6.5	NA
Iron	SSA	35800	67600	23000	100000		NA	10400 J	NA	6220 J	6390 J	NA
Lead	SSA	10	16	150	750		NA	7	NA	27.9*	10.5*	NA
Manganese	SSA	233	554	1800	19000		NA	52.6	NA	39.5	64.2	NA
Mercury	SSA	1	1	23	310		NA	0.057 F	NA	0.085 F	0.084 F	NA
Molybdenum	SSA	3	3	390	5100		NA	0.62 F	NA	0.7 F	0.54 F	NA
Nickel	SSA	86	224	1600	20000		NA	6.5	NA	3.9	6.9	NA
Selenium	SSA	0.5	0.5	390	5100		NA	0.85 F*	NA	0.61 F*	0.41 F	NA
Silver	SSA	2	2	390	5100		NA	<1	NA	<1	<1	NA
Vanadium	SSA	63	109	550	7200		NA	32.9	NA	17.3	16.8	NA
Zinc	SSA	221	488	23000	100000		NA	14.3	NA	28.9	43.8	NA
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.052	<0.26	<0.052	<0.052	<0.052	<0.051
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		0.0119 F	**1.42**	<0.052	<0.052	**0.428 J**	<0.051
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.052	<0.26	<0.052	<0.052	<0.052	<0.051
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE
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	BTV Type	BTV 95% UCL	BTV 99% UCL	Soil PRG Residential	Soil PRG Industrial	Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX52	169-EX53	169-EX53	169-EX54	169-EX55	169-EX56
						Field Sample ID:	169-EX52-SS0.0	169-EX447-SS0.0 (FD)	169-EX53-SS0.0	169-EX54-SS0.0	169-EX55-SS0.0	169-EX56-SS0.0
						Sample Date:	8/12/2004	8/12/2004	8/12/2004	8/12/2004	8/12/2004	8/12/2004
						Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Acenaphthene (SIM)	--	--	--	3700	29000		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Acenaphthylene (SIM)	--	--	--	--	--		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Anthracene (SIM)	--	--	--	22000	100000		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0023 F	<0.026	<0.026	<0.026	<0.026	<0.026
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		0.0022 F	<0.026	<0.026	<0.026	<0.026	<0.026
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0132 F	<0.026	<0.026	0.0119 F	<0.026	0.0119 F
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		0.0019 F	<0.026	<0.026	<0.026	<0.026	<0.026
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		0.0031 F	<0.026	<0.026	0.0019 F	<0.026	<0.026
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Fluoranthene (SIM)	--	--	--	2300	22000		0.0044 F	<0.026	<0.026	0.0027 F	<0.026	0.0023 F
Fluorene (SIM)	--	--	--	2700	26000		<0.026	<0.026	<0.026	0.0026 F	<0.026	<0.026
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Phenanthrene (SIM)	--	--	--	--	--		0.0036 F	<0.026	<0.026	<0.026	<0.026	<0.026
Pyrene (SIM)	--	--	--	2300	29000		0.0056 F	<0.026	<0.026	0.0028 F	0.0017 F	0.0028 F
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		5090	4780	5440	4750	4190	4420
Antimony	SSA	0.4	0.4	31	410		<11	<10	<11	<11	<10	<10
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**3.1 F**	**3.5 F**	**2.5 F**	**2.5 F**	**3.2 F**	**1.7 F**
Barium	SSA	215	457	5400	67000		25.1	29.1	31.1	32.8	26.9	19.1
Beryllium	SSA	0.8	0.8	150	1900 (ca)		0.059 F	0.085 F	0.021 F	0.024 F	0.036 F	<1
Cadmium	SSA	2	2	37	450		0.07 F	0.081 F	0.11 F	0.17 F	0.11 F	0.13 F
Chromium	SSA	63	110	210 (ca)	450 (ca)		10	11.1	9.7	9.6	9.4	7
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		2	1.9	1.7	1.8	1.6	1.3
Copper	SSA	127	298	3100	41000		5.9	5.1	4.9	5.8	4.7	4.6
Iron	SSA	35800	67600	23000	100000		8530 J	10400 J	6760 J	6820 J	7960 J	5130 J
Lead	SSA	10	16	150	750		6.2	4.8	3.7	5.8	5.7	6
Manganese	SSA	233	554	1800	19000		82	93.5	74.1	91.2	71.1	47.8
Mercury	SSA	1	1	23	310		0.067 F	0.045 F	0.047 F	0.052 F	0.034 F	0.038 F
Molybdenum	SSA	3	3	390	5100		0.36 F	0.34 F	0.34 F	0.37 F	0.49 F	0.5 F
Nickel	SSA	86	224	1600	20000		6	5.2	5.2	7.2	4.1	3.7
Selenium	SSA	0.5	0.5	390	5100		0.73 F*	0.9 F*	0.64 F*	0.55 F*	0.62 F*	0.54 F*
Silver	SSA	2	2	390	5100		<1.1	0.13 F	<1.1	<1.1	0.38 F	<1
Vanadium	SSA	63	109	550	7200		19.7	19	15.8	15.2	21.1	12.9
Zinc	SSA	221	488	23000	100000		15.1	10.3	10.9	16.3	14.2	10.7
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.053	<0.052	<0.053	<0.053	<0.052	<0.051
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		0.0228 J	0.0032 F	0.0066 F	0.0144 F	0.0111 F	0.0208 F
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.053	<0.052	<0.053	<0.053	<0.052	<0.051
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG								
Reference:						4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:						169-EX57	169-EX58	169-EX59	169-EX60	169-EX60	169-EX61
Field Sample ID:						169-EX57-SS0.0	169-EX58-SS0.0	169-EX59-SS0.0	169-EX60-SS0.0	169-EX60A-SS0.0	169-EX61-SS0.0
Sample Date:						8/12/2004	8/5/2004	8/9/2004	9/22/2004	10/12/2004	8/11/2004
Sample Depth:	Type	95% UCL	99% UCL	Residential	Industrial	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)											
2-Methylnaphthalene (SIM)	--	--	--	--	--	<0.026	<0.027	<0.028	<0.028	<0.029	<0.025
Acenaphthene (SIM)	--	--	--	3700	29000	<0.026	<0.027	0.0014 F	0.0078 F	<0.029	<0.025
Acenaphthylene (SIM)	--	--	--	--	--	<0.026	<0.027	<0.028	<0.028	<0.029	<0.025
Anthracene (SIM)	--	--	--	22000	100000	<0.026	<0.027	0.0044 F	0.0488	<0.029	<0.025
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	<0.026	0.0038 F	0.0249 F	0.188	<0.029	0.0017 F
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	<0.026	0.0038 F	0.0117 F	**0.134**	<0.029	<0.025
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	<0.026	0.0083 F	0.034 F	0.239	<0.029	0.0127 F
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--	<0.026	0.0025 F	0.0089 F	0.027 F	<0.029	0.0028 F
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)	<0.026	0.009 F	<0.28	0.0697	<0.029	<0.025
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)	<0.026	0.0055 F	0.0252 F	0.182	<0.029	0.0019 F
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)	<0.026	<0.027	<0.28	0.011 F	<0.029	<0.025
Fluoranthene (SIM)	--	--	--	2300	22000	<0.026	0.0066 F	0.0463	0.33	<0.029	0.0028 F
Fluorene (SIM)	--	--	--	2700	26000	<0.026	<0.027	0.0013 F	0.0077 F	<0.029	<0.025
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)	<0.026	0.0018 F	0.0089 F	0.0306	<0.029	0.002 F
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)	<0.026	<0.027	<0.028	<0.028	<0.029	<0.025
Phenanthrene (SIM)	--	--	--	--	--	<0.026	0.0042 F	0.0253 F	0.116	<0.029	<0.025
Pyrene (SIM)	--	--	--	2300	29000	<0.026	0.0094 F	0.0527	0.308	<0.029	0.0026 F
Total Metals (mg/kg)											
Aluminum	SSA	24700	44300	76000	100000	4090	7160	11300	12400	NA	3110
Antimony	SSA	0.4	0.4	31	410	<10	<11	<11	<11	NA	<10
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)	**1.6 F**	**2.5 F**	**2.1 F**	**2 F**	NA	**1.4 F**
Barium	SSA	215	457	5400	67000	19.8	18.2	19.3	52.8	NA	18.1
Beryllium	SSA	0.8	0.8	150	1900 (ca)	0.061 F	0.047 F	0.048 F	<1.1	NA	<1
Cadmium	SSA	2	2	37	450	0.06 F	0.25 F	0.38 F	0.16 F	NA	0.27 F
Chromium	SSA	63	110	210 (ca)	450 (ca)	6.1	16.2 J	25.2	93.3*	NA	5
Cobalt	SSA	6	6	900 (ca)	1900 (ca)	1.2	4.5	7.4*	19.2*	NA	1.1
Copper	SSA	127	298	3100	41000	3.6	15	20.6	18.8	NA	9.2
Iron	SSA	35800	67600	23000	100000	4700 J	7070	9660	16100	NA	3560
Lead	SSA	10	16	150	750	3.4	18.5 J*	26.4*	15.8*	NA	7.6
Manganese	SSA	233	554	1800	19000	43.2	75.9	104	234*	NA	50
Mercury	SSA	1	1	23	310	0.034 F	0.084 F	0.11	0.09 F	NA	0.029 F
Molybdenum	SSA	3	3	390	5100	0.39 F	0.55 F	0.37 F	0.29 F	NA	0.25 F
Nickel	SSA	86	224	1600	20000	3.4	27.4	48.5	137*	NA	3.3
Selenium	SSA	0.5	0.5	390	5100	0.34 F	1.3 F*	<3.3	0.16 F	NA	0.4 F
Silver	SSA	2	2	390	5100	<1	0.25 F	0.21 F	2	NA	0.24 F
Vanadium	SSA	63	109	550	7200	11.4	15.7	17	24.4	NA	8.2
Zinc	SSA	221	488	23000	100000	12.4	42.2 J	57.3	37.3	NA	15.5
Polychlorinated biphenyls (mg/kg)											
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)	<0.051	<0.054	<0.055	<0.055	NA	<0.051
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)	0.007 F	0.0293 J	<0.055	<0.055	NA	0.0144 F
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)	<0.051	<0.054	0.0445 F	0.0379 F	NA	<0.051
Total Petroleum Hydrocarbons (mg/kg)											
Motor oils	--	--	--	100 (rwqcb)	--	NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX62	169-EX63	169-EX63	169-EX64	169-EX67	169-EX70
						Field Sample ID:	169-EX62-SS0.0	169-EX437-SS0.0 (FD)	169-EX63-SS0.0	169-EX64-SS0.0	169-EX67-SS0.0	169-EX70-SS0.0
						Sample Date:	8/11/2004	8/11/2004	8/11/2004	8/12/2004	8/12/2004	8/5/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)												
2-Methylnaphthalene (SIM)	--	--	--	--	--		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Acenaphthene (SIM)	--	--	--	3700	29000		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Acenaphthylene (SIM)	--	--	--	--	--		<0.027	<0.026	<0.026	<0.026	0.0038 F	<0.031
Anthracene (SIM)	--	--	--	22000	100000		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		0.0124 F	<0.026	0.0114 F	<0.026	<0.028	<0.031
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Fluoranthene (SIM)	--	--	--	2300	22000		0.0031 F	<0.026	0.002 F	<0.026	<0.028	<0.031
Fluorene (SIM)	--	--	--	2700	26000		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Phenanthrene (SIM)	--	--	--	--	--		<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Pyrene (SIM)	--	--	--	2300	29000		0.0028 F	<0.026	0.0018 F	<0.026	<0.028	<0.031
Total Metals (mg/kg)												
Aluminum	SSA	24700	44300	76000	100000		2740	2740	2360	4260	5740	NA
Antimony	SSA	0.4	0.4	31	410		<11	<10	<10	<10	<11	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		**1.1 F**	**1 F**	**1.1 F**	**2.1 F**	**2.7 F**	NA
Barium	SSA	215	457	5400	67000		16.6	18.4	18.6	17.9	25.4	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		<1.1	<1	0.011 F	0.017 F	0.039 F	NA
Cadmium	SSA	2	2	37	450		0.088 F	0.12 F	0.13 F	0.017 F	0.078 F	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		3.8	4	4.1	7.6	9.6	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		0.88 F	0.95 F	0.95 F	1.4	1.6	NA
Copper	SSA	127	298	3100	41000		3.3	4.2	4.6	4.6	5.6	NA
Iron	SSA	35800	67600	23000	100000		3010	3150	3260	6130 J	7140 J	NA
Lead	SSA	10	16	150	750		2.7 F	3.9	4.3	4.5	6.7	NA
Manganese	SSA	233	554	1800	19000		39.7	43.7	44.2	40	55.3	NA
Mercury	SSA	1	1	23	310		0.038 F	0.024 F	0.025 F	0.032 F	0.036 F	NA
Molybdenum	SSA	3	3	390	5100		0.25 F	0.24 F	0.22 F	0.45 F	0.27 F	NA
Nickel	SSA	86	224	1600	20000		2.3	2.5	2.4	3.2	4	NA
Selenium	SSA	0.5	0.5	390	5100		0.38 F	0.15 F	0.36 F	0.52 F*	0.55 F*	NA
Silver	SSA	2	2	390	5100		<1.1	<1	0.06 F	<1	<1.1	NA
Vanadium	SSA	63	109	550	7200		6.9	7.1	7.3	15.6	18	NA
Zinc	SSA	221	488	23000	100000		5	7.3	8.1	6.1	8.9	NA
Polychlorinated biphenyls (mg/kg)												
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		<0.054	<0.051	<0.051	<0.052	<0.056	NA
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		0.0116 F	<0.051	0.0064 F	0.0051 F	0.0143 F	NA
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		<0.054	0.0054 F	<0.051	<0.052	<0.056	NA
Total Petroleum Hydrocarbons (mg/kg)												
Motor oils	--	--	--	100 (rwqcb)	--		NA	NA	NA	NA	NA	NA

TABLE AOC-169-SOIL

CHEMICALS DETECTED IN SOIL
VANDENBERG AIR FORCE BASE

	BTV			Soil PRG		Reference:	4PTO94	4PTO94	4PTO94
						Location ID:	169-EX71	169-EX71	169-EX72
						Field Sample ID:	169-EX429-SS0.0 (FD)	169-EX71-SS0.0	169-EX72-SS0.0
						Sample Date:	8/5/2004	8/5/2004	8/5/2004
	Type	95% UCL	99% UCL	Residential	Industrial	Sample Depth:	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	--	--	--	--	--		NA	NA	NA
Acenaphthene (SIM)	--	--	--	3700	29000		NA	NA	NA
Acenaphthylene (SIM)	--	--	--	--	--		NA	NA	NA
Anthracene (SIM)	--	--	--	22000	100000		NA	NA	NA
Benzo(a)anthracene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA
Benzo(a)pyrene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA
Benzo(b)fluoranthene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA
Benzo(g,h,i)perylene (SIM)	--	--	--	--	--		NA	NA	NA
Benzo(k)fluoranthene (SIM)	--	--	--	0.38 (ca)	1.3 (ca)		NA	NA	NA
Chrysene (SIM)	--	--	--	3.8 (ca)	13 (ca)		NA	NA	NA
Dibenz(a,h)anthracene (SIM)	--	--	--	0.062 (ca)	0.21 (ca)		NA	NA	NA
Fluoranthene (SIM)	--	--	--	2300	22000		NA	NA	NA
Fluorene (SIM)	--	--	--	2700	26000		NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	--	--	--	0.62 (ca)	2.1 (ca)		NA	NA	NA
Naphthalene (SIM)	--	--	--	1.7 (ca)	4.2 (ca)		NA	NA	NA
Phenanthrene (SIM)	--	--	--	--	--		NA	NA	NA
Pyrene (SIM)	--	--	--	2300	29000		NA	NA	NA
Total Metals (mg/kg)									
Aluminum	SSA	24700	44300	76000	100000		NA	NA	NA
Antimony	SSA	0.4	0.4	31	410		NA	NA	NA
Arsenic	SSA	5	5	0.062 (ca)	0.25 (ca)		NA	NA	NA
Barium	SSA	215	457	5400	67000		NA	NA	NA
Beryllium	SSA	0.8	0.8	150	1900 (ca)		NA	NA	NA
Cadmium	SSA	2	2	37	450		NA	NA	NA
Chromium	SSA	63	110	210 (ca)	450 (ca)		NA	NA	NA
Cobalt	SSA	6	6	900 (ca)	1900 (ca)		NA	NA	NA
Copper	SSA	127	298	3100	41000		NA	NA	NA
Iron	SSA	35800	67600	23000	100000		NA	NA	NA
Lead	SSA	10	16	150	750		NA	NA	NA
Manganese	SSA	233	554	1800	19000		NA	NA	NA
Mercury	SSA	1	1	23	310		NA	NA	NA
Molybdenum	SSA	3	3	390	5100		NA	NA	NA
Nickel	SSA	86	224	1600	20000		NA	NA	NA
Selenium	SSA	0.5	0.5	390	5100		NA	NA	NA
Silver	SSA	2	2	390	5100		NA	NA	NA
Vanadium	SSA	63	109	550	7200		NA	NA	NA
Zinc	SSA	221	488	23000	100000		NA	NA	NA
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	--	--	--	3.9	21 (ca)		NA	NA	NA
PCB-1254 (Aroclor 1254)	--	--	--	0.22 (ca)	0.74 (ca)		NA	NA	NA
PCB-1260 (Aroclor 1260)	--	--	--	0.22 (ca)	0.74 (ca)		NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)									
Motor oils	--	--	--	100 (rwqcb)	--		4.3 F	4.4 F	14.8

NOTES

DETECTED CHEMICALS IN SOIL
VANDENBERG AIR FORCE BASE

BTV Types:
BED = bedrock
GW = groundwater
SA = surface alluvium
SDS = surface dune sand
SSA = subsurface alluvium
SSDS = subsurface dune sand

Units:
mg/kg = milligrams per kilogram

Abbreviations:
-- = not applicable or not established
AOC = Area of Concern
BTV = background threshold value (Jacobs Engineering Group, Inc., 1994)
(ca) = Cancerous
Cal = California Department of Health Services
MCL = U.S. Environmental Protection Agency (2003) Maximum Contaminant Level
NA = not applicable
ND = Not detected
PRG = U.S. Environmental Protection Agency (2004) Preliminary Remediation Goal
rwqcb = Regional Water Quality Control Board
UCL = upper confidence limit

Formatted Chemical Concentrations:
Bold = Detected Result is above the Residential PRG
Underlined = Detected TPH Result is above the RWQCB Standard
* = Detected Result is above the BTV

Qualifiers:
B = The analyte was found in an associated blank, as well as in the sample.
F = The analyte was positively identified, but the quantitation is below the reporting limit.
J = The associated numerical value is an estimated quantity.
M = A matrix effect was present.
R = The data are unusable due to deficiencies in the ability to analyze the sample and meet quality control criteria.

References:
3PDO70 = Delivery Order 0070 (Montgomery Watson Harza, 2003-2004)
4PTO94 = Task Order 0094 (Montgomery Watson Harza, 2004)
TA547 = Task Assignment 547 (Tetra Tech, 1999-2001)

APPENDIX A

SUMMARY OF ANALYTICAL DATA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
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Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547
Location ID:	547-B-1	547-B-1	547-B-10	547-B-11	547-B-11	547-B-12	547-B-12	547-B-12	547-B-13	547-B-13	547-B-13
Field Sample ID:	VDRMOB1-0	VDRMOB1-2.5	VDRMOB10-0	VDRMOB11-0	VDRMOB11-2.5	VDRMOB12-0	VDRMOB12-2.5	VDRMOSR1 (R)	VDRMOB13-0	VDRMOB13-2.5	VDRMOSR2 (R)
Sample Date:	7/26/2000	7/26/2000	7/27/2000	7/28/2000	7/28/2000	7/28/2000	7/28/2000	7/28/2000	7/28/2000	7/28/2000	7/28/2000
Sample Depth:	0.0	2.5	0.0	0.0	2.5	0.0	2.5	3.0	0.0	2.5	3.0
Alcohols (mg/kg)											
Ethylene Glycol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
General Minerals											
pH	6.98	7.71	7.35	6.13	4.79	7.15	4.45	4.37	7.96	5.02	6.49
Total Metals (mg/kg)											
Antimony	4.17	2.79	3.84	<1.5	<1.5	<1.5	0.804	<1.5	<1.5	1.49	<1.5
Arsenic	3.64*	0.89	4.92*	1.39	2.28	1.49	3.04	2.3	3.8*	2.76	17.5*
Barium	85	6.03	78.4	21.8	18.2	18.3	9.29	17.5	65.3	12	21.1
Beryllium	1.9	i	<0.1	0.116	<0.1	0.061	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium	10.5	1.2	15.9	0.185	0.336	0.184	0.284	0.851	10.8	<0.3	2.72
Chromium	90.9	4.22	53.7	9.39	21.3	10.4	23.8	28.9	98.7	16.7	65.1
Cobalt	10.6	1.36	10.5	1.05	1.03	1.73	0.84	1.94	8.08	<0.5	2.6
Copper	53.5	1.27	159	2.92	2.79	3.62	2.02	9.99	2320	127	33.2
Lead	219*	2.72	205*	4.3	7.18	5.34	6.56	8.68	184*	5.62	28.1
Mercury	0.27	<0.14	0.88	<0.14	<0.14	<0.14	0.15	0.26	0.66	<0.14	0.17
Molybdenum	8.45	2.59	8.99	1.36	3.74	1.49	1.37	7.18	14.4	<0.65	3.56
Nickel	76.7	2.75	37.4	4.03	6.21	7.62	5.31	8.72	80.1	4.26	19
Selenium	<0.2	0.24	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	2.64	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Vanadium	34.1	6.78	16.4	16.2	29	16.2	37.7	32.4	20.7	26.2	28.8
Zinc	752	23.3	1790	10.6	10.1	25.7	10.8	9.83	3180	108	518
Oil and Grease (mg/kg)											
Oil & Grease, total rec	35100	<10	712	4500	<10	1750	<10	28	1140	<10	50
Polychlorinated biphenyls (mg/kg)											
PCB-1254 (Aroclor 1254)	0.395	<0.01	4.92	<0.01	<0.01	0.097	<0.01	<0.01	1.38	<0.01	<0.01
PCB-1260 (Aroclor 1260)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
all other compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds (mg/kg)											
2-Methylnaphthalene	<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.666	<0.333	<0.333
Acenaphthene	<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.666	<0.333	<0.333
Anthracene	<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.666	<0.333	<0.333
Benzo(a)anthracene	<0.999	<0.333	0.881	<0.333	<0.333	<0.333	<0.333	<0.333	0.896	<0.333	<0.333
Benzo(a)pyrene	<0.999	<0.333	0.88	<0.333	<0.333	<0.333	<0.333	<0.333	<0.666	<0.333	<0.333
Benzo(k)fluoranthene	<0.999	<0.333	1.97	<0.333	<0.333	<0.333	<0.333	<0.333	1.42	<0.333	<0.333
Chrysene	<0.999	<0.333	0.817	<0.333	<0.333	<0.333	<0.333	<0.333	0.845	<0.333	<0.333
Dibenzofuran	<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.666	<0.333	<0.333
Fluoranthene	<0.999	<0.333	1.15	<0.333	<0.333	<0.333	<0.333	<0.333	1.43	<0.333	<0.333
Fluorene	<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.666	<0.333	<0.333
Naphthalene	<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.666	<0.333	<0.333
Phenanthrene	<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	1.3	<0.333	<0.333
Pyrene	<0.999	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	1.61	<0.333	<0.333
all other compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons (mg/kg)											
Diesel Range	32	<10	<10	17	<10	327	<10	<10	<10	<10	<10
Volatile Organic Compounds (mg/kg)											
all compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547
Location ID:	547-B-14	547-B-14	547-B-15	547-B-15	547-B-2	547-B-2	547-B-3	547-B-3	547-B-4	547-B-4	547-B-5
Field Sample ID:	VDRMOB14-0	VDRMOB14-2.5	VDRMOB15-0	VDRMOB15-2.5	VDRMOB2-0	VDRMOB2-2.5	VDRMOB3-0	VDRMOB3-2.5	VDRMOB4-0	VDRMOB4-2.5	VDRMOB5-0
Sample Date:	7/31/2000	7/31/2000	7/31/2000	7/31/2000	7/26/2000	7/26/2000	7/26/2000	7/26/2000	7/26/2000	7/26/2000	7/26/2000
Sample Depth:	0.0	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0
Alcohols (mg/kg)											
Ethylene Glycol	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
General Minerals											
pH	7.83	7.26	6.85	5.69	8.4	4.35	7.22	4.63	4.84	4.47	7.07
Total Metals (mg/kg)											
Antimony	5.42	<1.5	6.53	<1.5	<1.5	0.527	<10	<1.5	1.06	<1.5	<1.5
Arsenic	4.26*	1.36	2.13*	2.77	1.36	4.7	6.13*	4.27	1.8	4.87	2.16*
Barium	80.6	11.6	39.1	14.4	23	17	135	16	22.9	12.4	24.9
Beryllium	<0.1	0.12	<0.1	0.18	0.203	0.101	<1	0.027	0.058	<1	<1
Cadmium	10.8	1	4.27	<0.3	2.51	3.74	27	0.487	0.042	0.209	0.723
Chromium	45.1	5.36	25.9	8.93	61.6	33	140	28.3	10.6	31.9	17.7
Cobalt	8.08	0.76	4.32	1.57	25.7	1.873	18.7	1.04	1.29	1.25	2.69
Copper	158	6.71	97.5	8.53	47.6	6.72	1030	35.9	4.79	5.44	29.9
Lead	171*	4.02	102	3.44	7.39	11.3	303*	12.5	8.22	9.96	21.2
Mercury	0.68	<0.14	0.25	<0.14	<0.14	0.17	1.05	<0.14	<0.14	<0.14	0.17
Molybdenum	7.3	<0.65	1.14	<0.65	7.05	4.71	8	2.04	0.886	3.84	<0.65
Nickel	48	3.25	23	3.51	140	9.74	133	6.51	5.52	7.73	17.7
Selenium	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	<0.5	<0.5	1.84	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5
Thallium	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Vanadium	21.8	9.87	17.1	18.7	18.9	42.2	47.2	35.6	18	39.8	25.7
Zinc	1321	26.8	345	18.4	74.8	15.3	1690	47	18.8	14.4	30.2
Oil and Grease (mg/kg)											
Oil & Grease, total rec	1050	<10	38200	<10	30	<10	470	<10	32	<10	46
Polychlorinated biphenyls (mg/kg)											
PCB-1254 (Aroclor 1254)	2.94	<0.01	0.068	<0.01	0.866	<0.01	78.2	<0.01	<0.01	0.045	<0.01
PCB-1260 (Aroclor 1260)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
all other compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds (mg/kg)											
2-Methylnaphthalene	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Acenaphthene	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Anthracene	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	0.388	<0.333
Benzo(a)anthracene	0.642	<0.333	<0.333	<0.333	<0.333	<0.333	0.997	<0.333	<0.333	<0.333	<0.333
Benzo(a)pyrene	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	0.66	<0.333	<0.333	0.388	<0.333
Benzo(k)fluoranthene	1.09	<0.333	<0.333	<0.333	<0.333	<0.333	1.76	<0.333	<0.333	0.884	<0.333
Chrysene	0.534	<0.333	<0.333	<0.333	<0.333	<0.333	1.02	<0.333	<0.333	0.564	<0.333
Dibenzofuran	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Fluoranthene	0.626	<0.333	<0.333	<0.333	<0.333	<0.333	1.4	<0.333	<0.333	1.34	<0.333
Fluorene	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Naphthalene	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Phenanthrene	0.424	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	1.19	<0.333
Pyrene	0.819	<0.333	<0.333	<0.333	<0.333	<0.333	1.99	<0.333	<0.333	1.39	<0.333
all other compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons (mg/kg)											
Diesel Range	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Volatile Organic Compounds (mg/kg)											
all compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547
Location ID:	547-B-5	547-B-6	547-B-6	547-B-7	547-B-7	547-B-8	547-B-8	547-B-9	547-B-9	547-FT-12	547-FT-23	547-FT-9
Field Sample ID:	VDRMOB5-2.5	VDRMOB6-0	VDRMOB6-2.5	VDRMOB7-0	VDRMOB7-2.5	VDRMOB8-0	VDRMOB8-2.5	VDRMOB9-0	VDRMOB9-2.5	547-FT-12	547-FT-23	547-FT-9
Sample Date:	7/26/2000	7/27/2000	7/27/2000	7/27/2000	7/27/2000	7/27/2000	7/27/2000	7/27/2000	7/27/2000	7/19/2001	7/20/2001	7/19/2001
Sample Depth:	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	0.0	0.0
Alcohols (mg/kg)												
Ethylene Glycol	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
General Minerals												
pH	4.4	7.64	4.32	8.05	4.21	7.92	4.27	7.65	4.14	NA	NA	NA
Total Metals (mg/kg)												
Antimony	<1.5	<15	1.79	<15	1.77	<15	<1.5	<1.5	1.45 J	NA	NA	NA
Arsenic	4.6	7.85*	3.69	11.7*	1.64	7.31*	2.46	1.77	2.05	NA	NA	NA
Barium	25.2	143	14.5	158	17.6	82.1	135	27.1	8.18	NA	NA	NA
Beryllium	<1	<1	<1	<1	0.11	<1	<0.1	<0.1	<0.1	NA	NA	NA
Cadmium	0.408	30.9	<0.3	33.2	<0.3	16.1	<0.3	0.68	<0.3	NA	NA	NA
Chromium	25.3	164	31.4	154	39.8	106	27.3	54.6	22	NA	NA	NA
Cobalt	0.8685	22	1.63	27.3	1.37	18	1.23	18.1	1.01	NA	NA	NA
Copper	5.41	684	10.5	522	8.89	314	4.92	47	8	NA	NA	NA
Lead	9.69	615*	11.6	783*	9.9	407*	7.72	5.51	8.66	NA	NA	NA
Mercury	<0.14	2.99	<0.14	2.63	0.17	0.87	0.89	<0.14	<0.14	NA	NA	NA
Molybdenum	3.59	15.5	3.27	18.4	2.49	16.8	1.54	6	<0.65	NA	NA	NA
Nickel	6.24	119	6.14	132	7.79	69	8.99	99.5	3.67	NA	NA	NA
Selenium	<0.2	<0.2	<0.2	<0.2	<0.2	0.21	<0.2	<0.2	<0.2	NA	NA	NA
Silver	<0.5	<10	<0.5	<5	<0.5	<5	<0.5	<0.5	<0.5	NA	NA	NA
Thallium	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	NA	NA	NA
Vanadium	42.6	22.1	38	29	50.1	24	32.6	21.9	21.4	NA	NA	NA
Zinc	8.14	3820	54.6	3090	12.7	2190	29.2	40.8	17.7	NA	NA	NA
Oil and Grease (mg/kg)												
Oil & Grease, total rec	<10	768	<10	4800	850	42000	<10	5200	<10	NA	NA	NA
Polychlorinated biphenyls (mg/kg)												
PCB-1254 (Aroclor 1254)	<0.01	6.4	<0.01	30.2	0.068	10.1	<0.01	0.163	<0.01	NA	NA	NA
PCB-1260 (Aroclor 1260)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.45	0.528	0.389
all other compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds (mg/kg)												
2-Methylnaphthalene	<0.333	<0.333	<0.333	1.37	<0.333	<0.999	<0.333	<0.333	<0.333	NA	NA	NA
Acenaphthene	<0.333	<0.333	<0.333	11.1	<0.333	1.13	<0.333	<0.333	<0.333	NA	NA	NA
Anthracene	<0.333	1.66	<0.333	28.7	<0.333	6.41	<0.333	<0.333	<0.333	NA	NA	NA
Benzo(a)anthracene	<0.333	4.76	<0.333	34.4	<0.333	29.3	<0.333	<0.333	<0.333	NA	NA	NA
Benzo(a)pyrene	<0.333	3.42	<0.333	24	<0.333	2.21	<0.333	<0.333	<0.333	NA	NA	NA
Benzo(k)fluoranthene	<0.333	7.49	<0.333	81	<0.333	49.2	<0.333	<0.333	<0.333	NA	NA	NA
Chrysene	<0.333	4.19	<0.333	36.6	<0.333	27.4	<0.333	<0.333	<0.333	NA	NA	NA
Dibenzofuran	<0.333	<0.333	<0.333	8.57	<0.333	<0.999	<0.333	<0.333	<0.333	NA	NA	NA
Fluoranthene	<0.333	7.69	<0.333	22.2	<0.333	33.2	<0.333	<0.333	<0.333	NA	NA	NA
Fluorene	<0.333	<0.333	<0.333	18.8	<0.333	1.43	<0.333	<0.333	<0.333	NA	NA	NA
Naphthalene	<0.333	<0.333	<0.333	1.58	<0.333	<0.999	<0.333	<0.333	<0.333	NA	NA	NA
Phenanthrene	<0.333	5.62	<0.333	80.1	<0.333	20.2	<0.333	<0.333	<0.333	NA	NA	NA
Pyrene	<0.333	9.62	<0.333	21.3	<0.333	64.5	<0.333	<0.333	<0.333	NA	NA	NA
all other compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Range	22	34	<10	<10	<10	69	<10	<10	<10	NA	NA	NA
Volatile Organic Compounds (mg/kg)												
all compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547	TA547
Location ID:	547-S-1	547-S-10	547-S-11	547-S-12	547-S-13	547-S-14	547-S-15	547-S-2	547-S-3	547-S-4	547-S-5	547-S-6	547-S-7	547-S-8	547-S-9
Field Sample ID:	VDRMOS1	547-S-10	547-S-11	547-S-12	547-S-13	547-S-14	547-S-15	VDRMOS2	VDRMOS3	VDRMOS4	VDRMOS5	VDRMOS6	547-S-7	547-S-8	547-S-9
Sample Date:	7/27/2000	5/18/2001	5/18/2001	5/18/2001	5/18/2001	5/18/2001	5/18/2001	7/28/2000	7/28/2000	7/31/2000	7/31/2000	7/31/2000	5/18/2001	5/18/2001	5/18/2001
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alcohols (mg/kg)															
Ethylene Glycol	<50	NA	NA	NA	NA	NA	NA	<50	<50	<50	<50	<50	NA	NA	NA
General Minerals															
pH	7.52	NA	NA	NA	NA	NA	NA	7.37	7.85	6.12	6.71	8.08	NA	NA	NA
Total Metals (mg/kg)															
Antimony	<15	NA	NA	NA	NA	NA	NA	3.28	<10	<1.5	1.93	<1.5	NA	NA	NA
Arsenic	7.13*	NA	NA	NA	NA	NA	NA	3.5*	4.94*	2.67*	2.63*	1.66	NA	NA	NA
Barium	130	NA	NA	NA	NA	NA	NA	81.5	375	38.9	49	31.5	NA	NA	NA
Beryllium	<1	NA	NA	NA	NA	NA	NA	<10	<10	0.12	0.11	<0.1	NA	NA	NA
Cadmium	22.1	NA	NA	NA	NA	NA	NA	14.3	38.5*	2.83	0.94	<0.3	NA	NA	NA
Chromium	132	NA	NA	NA	NA	NA	NA	62.6	147	17.2	23.6	21	NA	NA	NA
Cobalt	15.4	NA	NA	NA	NA	NA	NA	9.13	17	2.86	2.64	1.71	NA	NA	NA
Copper	422	NA	NA	NA	NA	NA	NA	212	498	38.9	12.5	5.2	NA	NA	NA
Lead	487*	NA	NA	NA	NA	NA	NA	254*	581*	59.9	13.2	3.19	NA	NA	NA
Mercury	1.14	NA	NA	NA	NA	NA	NA	0.78	1.54	0.18	<0.14	0.16	NA	NA	NA
Molybdenum	18.1	NA	NA	NA	NA	NA	NA	8.94	22.9	1.46	0.98	<0.65	NA	NA	NA
Nickel	108	NA	NA	NA	NA	NA	NA	61.9	1780*	14.4	20.7	15.1	NA	NA	NA
Selenium	<0.2	NA	NA	NA	NA	NA	NA	<0.2	<0.2	<0.2	<0.2	<0.2	NA	NA	NA
Silver	<5	NA	NA	NA	NA	NA	NA	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
Thallium	<0.4	NA	NA	NA	NA	NA	NA	<0.4	<0.4	<0.4	<0.4	<0.4	NA	NA	NA
Vanadium	25.1	NA	NA	NA	NA	NA	NA	20.3	25.8	18.4	22.8	12.2	NA	NA	NA
Zinc	3320	NA	NA	NA	NA	NA	NA	1850	3250	198	53.9	18.4	NA	NA	NA
Oil and Grease (mg/kg)															
Oil & Grease, total rec	960	NA	NA	NA	NA	NA	NA	1020	2720	144	78	<10	NA	NA	NA
Polychlorinated biphenyls (mg/kg)															
PCB-1254 (Aroclor 1254)	4.04	83.6	171	143	119	29.9	120	2.77	14.2	0.771	0.14	<0.01	107	77.6	93.2
PCB-1260 (Aroclor 1260)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
all other compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds (mg/kg)															
2-Methylnaphthalene	<0.333	NA	NA	NA	NA	NA	NA	<0.999	<0.666	<0.333	<0.333	<0.333	NA	NA	NA
Acenaphthene	<0.333	NA	NA	NA	NA	NA	NA	<0.999	2.39	<0.333	<0.333	<0.333	NA	NA	NA
Anthracene	0.496	NA	NA	NA	NA	NA	NA	0.134 J	9.13	<0.333	<0.333	<0.333	NA	NA	NA
Benzo(a)anthracene	1.93	NA	NA	NA	NA	NA	NA	1.21	19.5	<0.333	<0.333	<0.333	NA	NA	NA
Benzo(a)pyrene	1.72	NA	NA	NA	NA	NA	NA	1.39	<0.666	<0.333	<0.333	<0.333	NA	NA	NA
Benzo(k)fluoranthene	3.82	NA	NA	NA	NA	NA	NA	2.29	27.4	<0.333	<0.333	<0.333	NA	NA	NA
Chrysene	1.74	NA	NA	NA	NA	NA	NA	1.88	16.6	<0.333	<0.333	<0.333	NA	NA	NA
Dibenzofuran	<0.333	NA	NA	NA	NA	NA	NA	<0.999	<0.666	<0.333	<0.333	<0.333	NA	NA	NA
Fluoranthene	2.44	NA	NA	NA	NA	NA	NA	0.847	33.5	<0.333	<0.333	<0.333	NA	NA	NA
Fluorene	<0.333	NA	NA	NA	NA	NA	NA	<0.999	3.88	<0.333	<0.333	<0.333	NA	NA	NA
Naphthalene	<0.333	NA	NA	NA	NA	NA	NA	<0.999	<0.666	<0.333	<0.333	<0.333	NA	NA	NA
Phenanthrene	1.25	NA	NA	NA	NA	NA	NA	0.78	25.2	<0.333	<0.333	<0.333	NA	NA	NA
Pyrene	3.45	NA	NA	NA	NA	NA	NA	1.59	38.5	<0.333	<0.333	<0.333	NA	NA	NA
all other compounds	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Range	<10	NA	NA	NA	NA	NA	NA	<10	200	<10	<10	<10	NA	NA	NA
Volatile Organic Compounds (mg/kg)															
all compounds	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:	169-CS01	169-CS02	169-CS03	169-CS04	169-CS05	169-CS05	169-CS06	169-CS07	169-CS08
Field Sample ID:	169-CS01-SS0.0	169-CS02-SS0.0	169-CS03-SS0.0	169-CS04-SS0.0	169-CS05-SS0.0	169-CS95-SS0.0 (FD)	169-CS06-SS0.0	169-CS07-SS0.0	169-CS08-SS0.0
Sample Date:	6/3/2003	6/3/2003	6/3/2003	6/3/2003	6/3/2003	6/3/2003	6/4/2003	6/4/2003	6/4/2003
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Grease (mg/kg)									
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:	169-CS01	169-CS02	169-CS03	169-CS04	169-CS05	169-CS05	169-CS06	169-CS07	169-CS08
Field Sample ID:	169-CS01-SS0.0	169-CS02-SS0.0	169-CS03-SS0.0	169-CS04-SS0.0	169-CS05-SS0.0	169-CS95-SS0.0 (FD)	169-CS06-SS0.0	169-CS07-SS0.0	169-CS08-SS0.0
Sample Date:	6/3/2003	6/3/2003	6/3/2003	6/3/2003	6/3/2003	6/3/2003	6/4/2003	6/4/2003	6/4/2003
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	<5.1	<1.1	<0.051	<13	<1	<2.6	<2.6	<10	<2.5
PCB-1221 (Aroclor 1221)	<5.1	<1.1	<0.051	<13	<1	<2.6	<2.6	<10	<2.5
PCB-1232 (Aroclor 1232)	<5.1	<1.1	<0.051	<13	<1	<2.6	<2.6	<10	<2.5
PCB-1242 (Aroclor 1242)	<5.1	<1.1	<0.051	<13	<1	<2.6	<2.6	<10	<2.5
PCB-1248 (Aroclor 1248)	<5.1	<1.1	<0.051	<13	<1	<2.6	<2.6	<10	<2.5
PCB-1254 (Aroclor 1254)	36.8	5.11	0.23	86.9	9.16	12.8	24.6	55	17.8
PCB-1260 (Aroclor 1260)	<5.1	<1.1	<0.051	<13	<1	<2.6	<2.6	<10	<2.5
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:	169-CS09	169-CS10	169-CS11	169-CS12	169-CS13	169-CS14	169-CS15	169-CS16	169-S01
Field Sample ID:	169-CS09-SS0.0	169-CS10-SS0.0	169-CS11-SS0.0	169-CS12-SS0.0	169-CS13-SS0.0	169-CS14-SS0.0	169-CS15-SS0.0	169-CS16-SS0.0	169-S01-SS0.0
Sample Date:	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/5/2003	6/5/2003	6/4/2003
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)									
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Grease (mg/kg)									
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
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Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:	169-CS09	169-CS10	169-CS11	169-CS12	169-CS13	169-CS14	169-CS15	169-CS16	169-S01
Field Sample ID:	169-CS09-SS0.0	169-CS10-SS0.0	169-CS11-SS0.0	169-CS12-SS0.0	169-CS13-SS0.0	169-CS14-SS0.0	169-CS15-SS0.0	169-CS16-SS0.0	169-S01-SS0.0
Sample Date:	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/5/2003	6/5/2003	6/4/2003
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	<1	<0.51	<0.51	<0.51	<0.51	<0.25	<0.051	<0.051	<0.53
PCB-1221 (Aroclor 1221)	<1	<0.51	<0.51	<0.51	<0.51	<0.25	<0.051	<0.051	<0.53
PCB-1232 (Aroclor 1232)	<1	<0.51	<0.51	<0.51	<0.51	<0.25	<0.051	<0.051	<0.53
PCB-1242 (Aroclor 1242)	<1	<0.51	<0.51	<0.51	<0.51	<0.25	<0.051	<0.051	<0.53
PCB-1248 (Aroclor 1248)	<1	<0.51	<0.51	<0.51	<0.51	<0.25	<0.051	<0.051	<0.53
PCB-1254 (Aroclor 1254)	10.8	3.53	3.03	2.97	2.01	1.6	0.172	0.0619	1.44
PCB-1260 (Aroclor 1260)	<1	<0.51	<0.51	<0.51	<0.51	<0.25	<0.051	<0.051	<0.53
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:	169-S02	169-S03	169-S04	169-S05	169-S05	169-S06	169-S07	169-S07	169-S08	169-S09
Field Sample ID:	169-S02-SS0.0	169-S03-SS0.0	169-S04-SS0.0	169-S05-SS0.0	169-S95-SS0.0 (FD)	169-S06-SS0.0	169-S07-SS0.0	169-S07-SS1.0	169-S08-SS0.0	169-S09-SS0.0
Sample Date:	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	7/3/2003	6/4/2003	6/4/2003
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)										
2-Methylnaphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)										
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Grease (mg/kg)										
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:	169-S02	169-S03	169-S04	169-S05	169-S05	169-S06	169-S07	169-S07	169-S08	169-S09
Field Sample ID:	169-S02-SS0.0	169-S03-SS0.0	169-S04-SS0.0	169-S05-SS0.0	169-S95-SS0.0 (FD)	169-S06-SS0.0	169-S07-SS0.0	169-S07-SS1.0	169-S08-SS0.0	169-S09-SS0.0
Sample Date:	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	7/3/2003	6/4/2003	6/4/2003
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
Polychlorinated biphenyls (mg/kg)										
PCB-1016 (Aroclor 1016)	<10	<5.3	<10	<5.2	<5.2	<2.6	<130	<0.84	<0.51	<0.51
PCB-1221 (Aroclor 1221)	<10	<5.3	<10	<5.2	<5.2	<2.6	<130	<1.7	<0.51	<0.51
PCB-1232 (Aroclor 1232)	<10	<5.3	<10	<5.2	<5.2	<2.6	<130	<0.84	<0.51	<0.51
PCB-1242 (Aroclor 1242)	<10	<5.3	<10	<5.2	<5.2	<2.6	<130	<1	<0.51	<0.51
PCB-1248 (Aroclor 1248)	<10	<5.3	<10	<5.2	<5.2	<2.6	<130	<1	<0.51	<0.51
PCB-1254 (Aroclor 1254)	73.1	30.9	84.3	43.4	43.7	7.77	537	7.2	3.41	4.3
PCB-1260 (Aroclor 1260)	<10	<5.3	<10	<5.2	<5.2	<2.6	<130	<0.52	<0.51	<0.51
Total Petroleum Hydrocarbons (mg/kg)										
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:	169-S10	169-S11	169-S11	169-S12	169-S13	169-S14	169-S15	169-S16	169-S17	169-S18	169-S19
Field Sample ID:	169-S10-SS0.0	169-S11-SS0.0	169-S89-SS0.0 (FD)	169-S12-SS0.0	169-S13-SS0.0	169-S14-SS0.0	169-S15-SS0.0	169-S16-SS0.0	169-S17-SS0.0	169-S18-SS0.0	169-S19-SS0.0
Sample Date:	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/5/2003	6/5/2003	6/5/2003	6/5/2003	6/5/2003	6/5/2003	6/5/2003
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)											
2-Methylnaphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)											
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Grease (mg/kg)											
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
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Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:	169-S10	169-S11	169-S11	169-S12	169-S13	169-S14	169-S15	169-S16	169-S17	169-S18	169-S19
Field Sample ID:	169-S10-SS0.0	169-S11-SS0.0	169-S89-SS0.0 (FD)	169-S12-SS0.0	169-S13-SS0.0	169-S14-SS0.0	169-S15-SS0.0	169-S16-SS0.0	169-S17-SS0.0	169-S18-SS0.0	169-S19-SS0.0
Sample Date:	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/5/2003	6/5/2003	6/5/2003	6/5/2003	6/5/2003	6/5/2003	6/5/2003
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)											
PCB-1016 (Aroclor 1016)	<0.51	<0.51	<0.51	<0.25	<0.52	<0.27	<0.057	<0.058	<0.55	<0.29	<0.054
PCB-1221 (Aroclor 1221)	<0.51	<0.51	<0.51	<0.25	<0.52	<0.27	<0.057	<0.058	<0.55	<0.29	<0.054
PCB-1232 (Aroclor 1232)	<0.51	<0.51	<0.51	<0.25	<0.52	<0.27	<0.057	<0.058	<0.55	<0.29	<0.054
PCB-1242 (Aroclor 1242)	<0.51	<0.51	<0.51	<0.25	<0.52	<0.27	<0.057	<0.058	<0.55	<0.29	<0.054
PCB-1248 (Aroclor 1248)	<0.51	<0.51	<0.51	<0.25	<0.52	<0.27	<0.057	<0.058	<0.55	<0.29	<0.054
PCB-1254 (Aroclor 1254)	2.63	2.3	2.64	0.984	<0.52	1.06	0.463	0.102	3.61	1.74	0.109
PCB-1260 (Aroclor 1260)	<0.51	<0.51	<0.51	<0.25	2.03	<0.27	<0.057	<0.058	<0.55	<0.29	<0.054
Total Petroleum Hydrocarbons (mg/kg)											
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
(Page 13 of 40)

Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:	169-S20	169-S21	169-S22	169-S23	169-S24	169-S25	169-S26	169-S27	169-S28	169-S29	169-S30
Field Sample ID:	169-S20-SS0.0	169-S21-SS0.0	169-S22-SS0.0	169-S23-SS0.0	169-S24-SS0.0	169-S25-SS0.0	169-S26-SS0.0	169-S27-SS0.0	169-S28-SS0.0	169-S29-SS0.0	169-S30-SS0.0
Sample Date:	6/5/2003	6/5/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)											
2-Methylnaphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg)											
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil and Grease (mg/kg)											
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70
Location ID:	169-S20	169-S21	169-S22	169-S23	169-S24	169-S25	169-S26	169-S27	169-S28	169-S29	169-S30
Field Sample ID:	169-S20-SS0.0	169-S21-SS0.0	169-S22-SS0.0	169-S23-SS0.0	169-S24-SS0.0	169-S25-SS0.0	169-S26-SS0.0	169-S27-SS0.0	169-S28-SS0.0	169-S29-SS0.0	169-S30-SS0.0
Sample Date:	6/5/2003	6/5/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003	7/3/2003
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)											
PCB-1016 (Aroclor 1016)	<0.05	<0.051	<0.042	<0.042	<0.043	<0.083	<0.21	<0.042	<0.042	<0.41	<0.041
PCB-1221 (Aroclor 1221)	<0.05	<0.051	<0.083	<0.083	<0.085	<0.17	<0.42	<0.083	<0.083	<0.82	<0.083
PCB-1232 (Aroclor 1232)	<0.05	<0.051	<0.042	<0.042	<0.043	<0.083	<0.21	<0.042	<0.042	<0.41	<0.041
PCB-1242 (Aroclor 1242)	<0.05	<0.051	<0.052	<0.052	<0.053	<0.1	<0.27	<0.052	<0.052	<0.51	<0.052
PCB-1248 (Aroclor 1248)	<0.05	<0.051	<0.052	<0.052	<0.053	<0.1	<0.27	<0.052	<0.052	<0.51	<0.052
PCB-1254 (Aroclor 1254)	0.0503	0.115	0.33	0.31	0.24	0.52	0.95	0.27	0.604	1.9	0.36
PCB-1260 (Aroclor 1260)	<0.05	<0.051	<0.026	<0.026	<0.027	<0.052	<0.13	<0.026	<0.026	<0.26	<0.026
Total Petroleum Hydrocarbons (mg/kg)											
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	4PTO94	4PTO94
Location ID:	169-S31	169-S32	169-S33	169-S34	169-S35	169-S36	169-S37	169-S38	169-S39	169-EX01	169-EX02
Field Sample ID:	169-S31-SS0.0	169-S32-SS0.0	169-S33-SS0.0	169-S34-SS0.0	169-S35-SS0.0	169-S36-SS0.0	169-S37-SS0.0	169-S38-SS0.0	169-S39-SS0.0	169-EX01-SS0.0	169-EX02-SS0.0
Sample Date:	4/20/2004	4/20/2004	4/20/2004	4/20/2004	4/20/2004	4/20/2004	4/20/2004	4/20/2004	4/20/2004	8/4/2004	8/4/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)											
2-Methylnaphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.26	0.013 F
Acenaphthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.26	0.0021 F
Acenaphthylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.26	<0.026
Anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.26	0.0028 F
Benzo(a)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0282 F	0.0106 F
Benzo(a)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0226 F	0.0117 F
Benzo(b)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.26	<0.026
Benzo(g,h,i)perylene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0357 F	0.0078 F
Benzo(k)fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0547 M	0.0245 M
Chrysene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0337 M	0.0113 M
Dibenz(a,h)anthracene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.26	0.0017 F
Fluoranthene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0258 F	0.0083 F
Fluorene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.26	0.0025 F
Indeno(1,2,3-c,d)pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.022 F	0.0062 F
Naphthalene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.26	0.0018 F
Phenanthrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0127 F	0.0142 F
Pyrene (SIM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0358 F	0.0142 F
Total Metals (mg/kg)											
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA	6100 J	4870 J
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2 F	0.35 F
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9 F	3.2 F
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	120	43.5
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.027 F	0.03 F
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3	0.64
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	36 J	24.4 J
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.3	4.7
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.5 J	13.6 J
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	12600	9040
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	50.9 J	19.5 J
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA	193	124
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8 J	1.4 J
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.78 F	0.55 F
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.8	28.3
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.44 F	0.37 F
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.2	2.9
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.4	<6.2
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.4	22.6
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	309	123
Oil and Grease (mg/kg)											
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	3PDO70	4PTO94	4PTO94
Location ID:	169-S31	169-S32	169-S33	169-S34	169-S35	169-S36	169-S37	169-S38	169-S39	169-EX01	169-EX02
Field Sample ID:	169-S31-SS0.0	169-S32-SS0.0	169-S33-SS0.0	169-S34-SS0.0	169-S35-SS0.0	169-S36-SS0.0	169-S37-SS0.0	169-S38-SS0.0	169-S39-SS0.0	169-EX01-SS0.0	169-EX02-SS0.0
Sample Date:	4/20/2004	4/20/2004	4/20/2004	4/20/2004	4/20/2004	4/20/2004	4/20/2004	4/20/2004	4/20/2004	8/4/2004	8/4/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)											
PCB-1016 (Aroclor 1016)	<0.055	<0.055	<0.057 J	<0.057	<0.056	<0.057	<0.056	<0.26	<0.051	<0.053	<0.052
PCB-1221 (Aroclor 1221)	<0.055	<0.055	<0.057 J	<0.057	<0.056	<0.057	<0.056	<0.26	<0.051	<0.053	<0.052
PCB-1232 (Aroclor 1232)	<0.055	<0.055	<0.057 J	<0.057	<0.056	<0.057	<0.056	<0.26	<0.051	<0.053	<0.052
PCB-1242 (Aroclor 1242)	<0.055	<0.055	<0.057 J	<0.057	<0.056	<0.057	<0.056	<0.26	<0.051	<0.053	<0.052
PCB-1248 (Aroclor 1248)	<0.055	<0.055	<0.057 J	<0.057	<0.056	<0.057	<0.056	<0.26	<0.051	<0.053	<0.052
PCB-1254 (Aroclor 1254)	<0.055	<0.055	<0.057 J	0.192	0.114	0.3	<0.056	1.06	0.58	0.143 J	0.0807 J
PCB-1260 (Aroclor 1260)	0.161	0.227	0.171 J	<0.057	<0.056	<0.057	0.0593	<0.26	<0.051	<0.053	<0.052
Total Petroleum Hydrocarbons (mg/kg)											
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
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Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX03	169-EX03	169-EX04	169-EX04	169-EX05	169-EX06	169-EX07	169-EX07	169-EX08
Field Sample ID:	169-EX03-SS0.0	169-EX97-SS0.0 (FD)	169-EX04-SS0.0	169-EX04A-SS0.0	169-EX05-SS0.0	169-EX06-SS0.0	169-EX07-SS0.0	169-EX07A-SS0.0	169-EX08-SS0.0
Sample Date:	8/4/2004	8/4/2004	8/4/2004	9/2/2004	8/4/2004	8/4/2004	8/4/2004	9/17/2004	8/4/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	0.003 F	<0.026	<0.026	NA	<0.026	<0.026	<0.026	NA	<0.028
Acenaphthene (SIM)	<0.026	<0.026	<0.026	NA	<0.026	<0.026	<0.026	NA	<0.028
Acenaphthylene (SIM)	<0.026	<0.026	<0.026	NA	<0.026	<0.026	<0.026	NA	<0.028
Anthracene (SIM)	0.0009 F	<0.026	0.001 F	NA	<0.026	<0.026	<0.026	NA	<0.028
Benzo(a)anthracene (SIM)	<0.026	<0.026	0.0043 F	NA	0.002 F	0.001 F	<0.026	NA	0.0029 F
Benzo(a)pyrene (SIM)	<0.026	<0.026	0.0038 F	NA	0.0019 F	<0.026	<0.026	NA	<0.028
Benzo(b)fluoranthene (SIM)	<0.026	<0.026	<0.026	NA	<0.026	<0.026	<0.026	NA	<0.028
Benzo(g,h,i)perylene (SIM)	<0.026	<0.026	0.0032 F	NA	0.0015 F	<0.026	<0.026	NA	0.0019 F
Benzo(k)fluoranthene (SIM)	0.001 M	0.0018 M	0.0126 M	NA	0.0049 M	0.0021 M	0.0017 M	NA	0.0082 M
Chrysene (SIM)	<0.026 M	<0.026 M	0.0072 M	NA	0.0028 M	0.0011 M	0.001 M	NA	0.005 M
Dibenz(a,h)anthracene (SIM)	<0.026	<0.026	<0.026	NA	<0.026	<0.026	<0.026	NA	<0.028
Fluoranthene (SIM)	<0.026	0.0009 F	0.0091 F	NA	0.0029 F	0.0009 F	<0.026	NA	0.0034 F
Fluorene (SIM)	0.0013 F	<0.026	<0.026	NA	<0.026	<0.026	<0.026	NA	<0.028
Indeno(1,2,3-c,d)pyrene (SIM)	<0.026	<0.026	0.0023 F	NA	0.0012 F	<0.026	<0.026	NA	0.001 F
Naphthalene (SIM)	<0.026	<0.026	<0.026	NA	<0.026	<0.026	<0.026	NA	<0.028
Phenanthrene (SIM)	0.0048 F	<0.026	0.0044 F	NA	0.0015 F	<0.026	<0.026	NA	0.0029 F
Pyrene (SIM)	0.0018 F	0.0013 F	0.0103 F	NA	0.0039 F	0.0012 F	0.0011 F	NA	0.0054 F
Total Metals (mg/kg)									
Aluminum	4140 J	2220 J	4420 J	NA	3600 J	3880 J	4250 J	NA	5730 J
Antimony	<10	<10	0.63 F	NA	0.28 F	<10	<10	NA	<11
Arsenic	2.8 F	2.7 F	4 F	NA	7.8*	2.6 F	2.4 F	NA	2.5 F
Barium	21	17.6	47.7	NA	24.1	22.2	25.5	NA	25.3
Beryllium	0.028 F	0.058 F	0.063 F	NA	0.055 F	0.052 F	0.052 F	NA	0.13 F
Cadmium	0.16 F	0.14 F	1	NA	0.26 F	0.33 F	0.29 F	NA	0.71
Chromium	14.9 J	9.9 J	26.8 J	NA	19.4 J	13.3 J	24.4 J	NA	15.9 J
Cobalt	3.1	3.2	4.7	NA	3.3	3.1	3.6	NA	3.9
Copper	6.4 J	5.1 J	22.8 J	NA	8.6 J	7.8 J	7.3 J	NA	12.3 J
Iron	7050	5840	10500	NA	10600	6830	7150	NA	7290
Lead	6.9 J	7.4 J	39.6 J	NA	13.2 J	10.1 J	9.2 J	NA	9.5 J
Manganese	118	129	144	NA	106	127	118	NA	113
Mercury	0.25 J	0.13 J	0.3 J	NA	0.12 J	0.17 J	0.096 J	NA	0.053 J
Molybdenum	0.37 F	0.39 F	1.3 F	NA	0.71 F	0.47 F	0.63 F	NA	1.7 F
Nickel	13.7	13.5	31.9	NA	19.2	15.5	23.4	NA	20.2
Selenium	0.27 F	0.34 F	0.46 F	NA	0.41 F	<3.1	0.42 F	NA	0.55 F
Silver	0.23 F	0.17 F	0.92 F	NA	0.16 F	0.28 F	0.055 F	NA	<1.1
Thallium	<6.2	<6.2	<6.2	NA	<6.2	<6.3	<6.2	NA	<6.7
Vanadium	19.2	18.2	23.2	NA	48.1	18.7	18	NA	22.1
Zinc	17.3	16.4	77.1	NA	21.3	25.5	18.3	NA	22.2
Oil and Grease (mg/kg)									
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
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Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX03	169-EX03	169-EX04	169-EX04	169-EX05	169-EX06	169-EX07	169-EX07	169-EX08
Field Sample ID:	169-EX03-SS0.0	169-EX97-SS0.0 (FD)	169-EX04-SS0.0	169-EX04A-SS0.0	169-EX05-SS0.0	169-EX06-SS0.0	169-EX07-SS0.0	169-EX07A-SS0.0	169-EX08-SS0.0
Sample Date:	8/4/2004	8/4/2004	8/4/2004	9/2/2004	8/4/2004	8/4/2004	8/4/2004	9/17/2004	8/4/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.26	<0.052	<0.056
PCB-1221 (Aroclor 1221)	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.26	<0.052	<0.056
PCB-1232 (Aroclor 1232)	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.26	<0.052	<0.056
PCB-1242 (Aroclor 1242)	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.26	<0.052	<0.056
PCB-1248 (Aroclor 1248)	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.26	<0.052	<0.056
PCB-1254 (Aroclor 1254)	0.149 J	<0.052	0.498 J	<0.052	0.119 J	<0.052	0.578	0.0102 F	0.127 J
PCB-1260 (Aroclor 1260)	<0.052	<0.052	<0.052	<0.052	<0.052	<0.052	<0.26	<0.052	<0.056
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX09	169-EX10	169-EX10	169-EX11	169-EX11	169-EX12	169-EX12	169-EX13	169-EX13
Field Sample ID:	169-EX09-SS0.0	169-EX10-SS0.0	169-EX10A-SS0.0	169-EX11-SS0.0	169-EX11A-SS0.0	169-EX12-SS0.0	169-EX12A-SS0.0	169-EX13-SS0.0	169-EX87-SS0.0 (FD)
Sample Date:	8/4/2004	8/4/2004	9/17/2004	8/4/2004	9/17/2004	8/4/2004	9/17/2004	8/4/2004	8/4/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	<0.028	<0.27	<0.027	0.0025 F	NA	<0.026	NA	<0.026	<0.027
Acenaphthene (SIM)	<0.028	0.0108 F	<0.027	0.0033 F	NA	<0.026	NA	0.0096 F	0.0026 F
Acenaphthylene (SIM)	<0.028	0.0253 F	<0.027	0.0022 F	NA	<0.026	NA	0.0029 F	0.0029 F
Anthracene (SIM)	<0.028	0.0562 F	<0.027	0.0048 F	NA	<0.026	NA	0.0561	0.011 F
Benzo(a)anthracene (SIM)	0.0016 F	0.193 F	0.0006 F	0.0422	NA	<0.026	NA	0.331	0.0752
Benzo(a)pyrene (SIM)	0.0023 F	0.204 F	<0.027	0.0375	NA	<0.026	NA	0.198	0.0674
Benzo(b)fluoranthene (SIM)	<0.028	<0.27	<0.027	0.0561	NA	0.0016 F	NA	0.28	0.0846
Benzo(g,h,i)perylene (SIM)	0.0013 F	0.0662 F	<0.027	0.0127 F	NA	0.0009 F	NA	0.0495	0.0293
Benzo(k)fluoranthene (SIM)	0.0046 M	0.445	<0.027	0.0324 M	NA	0.0014 M	NA	0.224	0.0771
Chrysene (SIM)	0.0029 M	0.244 F	<0.027	0.0479 M	NA	<0.026 M	NA	0.307	0.0818
Dibenz(a,h)anthracene (SIM)	<0.028	0.0232 F	<0.027	0.0054 F	NA	<0.026	NA	0.0326	0.0153 F
Fluoranthene (SIM)	0.0018 F	0.272	<0.027	0.037	NA	<0.026	NA	0.319	0.0763
Fluorene (SIM)	<0.028	0.017 F	<0.027	0.0022 F	NA	<0.026	NA	0.0078 F	0.0017 F
Indeno(1,2,3-c,d)pyrene (SIM)	<0.028	0.0631 F	<0.027	0.0125 F	NA	<0.026	NA	0.0439	0.0211 F
Naphthalene (SIM)	<0.028	0.0183 F	<0.027	<0.028	NA	<0.026	NA	<0.026	<0.027
Phenanthrene (SIM)	0.0014 F	0.138 F	<0.027	0.0259 F	NA	<0.026	NA	0.184	0.0363
Pyrene (SIM)	0.0032 F	0.359	<0.027	0.0651	NA	0.0011 F	NA	0.122 F	0.123
Total Metals (mg/kg)									
Aluminum	4520 J	9570 J	NA	3400 J	NA	4110 J	NA	3910 J	4550 J
Antimony	<11	2.7 F	NA	<11	NA	<10	NA	0.46 F	0.54 F
Arsenic	4.8 F	4.3 F	NA	2.5 F	NA	2.4 F	NA	2.7 F	2.8 F
Barium	30.8	95.4	NA	22.1	NA	23.4	NA	27.4	30.4
Beryllium	0.24 F	0.044 F	NA	0.036 F	NA	0.056 F	NA	0.048 F	0.056 F
Cadmium	1.7	34.1	NA	4.8	NA	0.17 F	NA	1.7	1.9
Chromium	20.8 J	72.6 J	NA	16.5 J	NA	12.2 J	NA	17 J	20.2 J
Cobalt	3.6	11.4	NA	3.1	NA	2.5	NA	3.3	3.6
Copper	11.8 J	289 J	NA	96.8 J	NA	7.6 J	NA	43.2 J	31.7 J
Iron	9880	49300*	6290	9970	NA	6820	NA	7720	8960
Lead	11 J	226 J*	3.7	37.4 J	NA	12.2 J	NA	24 J	36.9 J
Manganese	192	365	54.9	107	NA	95.3	NA	97.7	110
Mercury	0.099 J	0.35 J	NA	0.27 J	NA	0.11 J	NA	0.13 J	0.16 J
Molybdenum	1.6 F	7.3	NA	0.98 F	NA	0.38 F	NA	0.66 F	0.76 F
Nickel	19.9	66.9	NA	15.6	NA	11.7	NA	17	16.9
Selenium	0.69 F	<3.2	NA	0.29 F	NA	0.26 F	NA	0.18 F	0.21 F
Silver	<1.1	1.2	NA	<1.1	NA	0.34 F	NA	0.14 F	0.11 F
Thallium	<6.8	<6.4	NA	<6.8	NA	<6.3	NA	<6.3	<6.4
Vanadium	27.4	21.4	NA	14.4	NA	18.2	NA	18.9	17.9
Zinc	29.5	1420	NA	211	NA	19.7	NA	87.5	104
Oil and Grease (mg/kg)									
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
(Page 20 of 40)

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX09	169-EX10	169-EX10	169-EX11	169-EX11	169-EX12	169-EX12	169-EX13	169-EX13
Field Sample ID:	169-EX09-SS0.0	169-EX10-SS0.0	169-EX10A-SS0.0	169-EX11-SS0.0	169-EX11A-SS0.0	169-EX12-SS0.0	169-EX12A-SS0.0	169-EX13-SS0.0	169-EX87-SS0.0 (FD)
Sample Date:	8/4/2004	8/4/2004	9/17/2004	8/4/2004	9/17/2004	8/4/2004	9/17/2004	8/4/2004	8/4/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	<0.057	<1.1	<0.054	<0.28	<0.055	<0.26	<0.053	<2.6	<2.7
PCB-1221 (Aroclor 1221)	<0.057	<1.1	<0.054	<0.28	<0.055	<0.26	<0.053	<2.6	<2.7
PCB-1232 (Aroclor 1232)	<0.057	<1.1	<0.054	<0.28	<0.055	<0.26	<0.053	<2.6	<2.7
PCB-1242 (Aroclor 1242)	<0.057	<1.1	<0.054	<0.28	<0.055	<0.26	<0.053	<2.6	<2.7
PCB-1248 (Aroclor 1248)	<0.057	<1.1	<0.054	<0.28	<0.055	<0.26	<0.053	<2.6	<2.7
PCB-1254 (Aroclor 1254)	0.125 J	6.23	<0.054	1.24	0.0019 F	0.854	0.0454 F	18	18.7
PCB-1260 (Aroclor 1260)	<0.057	<1.1	<0.054	<0.28	<0.055	<0.26	<0.053	<2.6	<2.7
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
(Page 21 of 40)

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX13	169-EX13	169-EX14	169-EX14	169-EX15	169-EX15	169-EX16	169-EX17
Field Sample ID:	169-EX13A-SS0.0	169-EX487A-SS0.0 (FD)	169-EX14-SS0.0	169-EX14A-SS0.0	169-EX15-SS0.0	169-EX15A-SS0.0	169-EX16-SS0.0	169-EX17-SS0.0
Sample Date:	9/17/2004	9/17/2004	8/5/2004	9/17/2004	8/5/2004	9/17/2004	9/30/2004	9/30/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)								
2-Methylnaphthalene (SIM)	<0.026	<0.026	<0.27	<0.027	<0.27	<0.028	<0.026	<0.026
Acenaphthene (SIM)	<0.026	<0.026	0.0563 F	<0.027	0.0835 F	<0.028	<0.026	<0.026
Acenaphthylene (SIM)	<0.026	<0.026	0.0494 F	<0.027	0.0337 F	<0.028	<0.026	<0.026
Anthracene (SIM)	<0.026	<0.026	0.31	<0.027	0.407	<0.028	<0.026	<0.026
Benzo(a)anthracene (SIM)	0.0005 F	<0.026	1.18	0.0006 F	1.42	0.0005 F	<0.026	<0.026
Benzo(a)pyrene (SIM)	<0.026	<0.026	0.746	<0.027	1.16	<0.028	<0.026	<0.026
Benzo(b)fluoranthene (SIM)	<0.026	<0.026	1.1	<0.027	1.18	<0.028	<0.026	<0.026
Benzo(g,h,i)perylene (SIM)	<0.026	<0.026	0.162 F	<0.027	0.381	<0.028	<0.026	<0.026
Benzo(k)fluoranthene (SIM)	<0.026	<0.026	0.674	<0.027	1.08	<0.028	<0.026	<0.026
Chrysene (SIM)	<0.026	<0.026	1.11	<0.027	1.36	<0.028	<0.026	<0.026
Dibenz(a,h)anthracene (SIM)	<0.026	<0.026	0.106 F	<0.027	0.234 F	<0.028	<0.026	<0.026
Fluoranthene (SIM)	<0.026	<0.026	1.46	<0.027	2.03	<0.028	<0.026	<0.026
Fluorene (SIM)	<0.026	<0.026	0.0686 F	<0.027	0.079 F	<0.028	<0.026	<0.026
Indeno(1,2,3-c,d)pyrene (SIM)	<0.026	<0.026	0.177 F	<0.027	0.399	<0.028	<0.026	<0.026
Naphthalene (SIM)	<0.026	<0.026	<0.27	<0.027	0.0133 F	<0.028	<0.026	<0.026
Phenanthrene (SIM)	<0.026	<0.026	0.809	<0.027	1.09	<0.028	<0.026	<0.026
Pyrene (SIM)	<0.026	<0.026	1.67	<0.027	2.5	<0.028	<0.026	<0.026
Total Metals (mg/kg)								
Aluminum	NA	NA	8340	NA	33500	NA	4730	5280
Antimony	NA	NA	<11	NA	1.3 F	NA	0.244 F	0.35 F
Arsenic	NA	NA	4.3 F	NA	5 F	NA	1.9 F	2.2 F
Barium	NA	NA	42.8	NA	96	NA	15.5	16.4
Beryllium	NA	NA	0.046 F	NA	0.014 F	NA	0.0036 F	<1
Cadmium	NA	NA	6.8	NA	19.4	NA	<0.52	<0.52
Chromium	NA	NA	38.2 J	NA	106 J	NA	7.7	9.4
Cobalt	NA	NA	6.5	NA	16.5	NA	1.1	1.1
Copper	NA	NA	175	NA	312	NA	3.1	3.6
Iron	NA	NA	19000	NA	47200*	6550	5240	6310
Lead	NA	NA	115 J	NA	310 J*	4.2	3.7	3.8
Manganese	NA	NA	193	NA	427	NA	48.8	35.9
Mercury	NA	NA	0.52	NA	0.8	NA	0.064 F	0.097 F
Molybdenum	NA	NA	2.9 F	NA	22	NA	0.19 F	0.26 F
Nickel	NA	NA	36.5	NA	113	NA	2.8	2.9
Selenium	NA	NA	0.41 F	NA	<3.2	NA	0.47 F	0.66 F
Silver	NA	NA	0.81 F	NA	5.2	NA	<1	<1
Thallium	NA	NA	<6.4	NA	<6.5	NA	<6.3	<6.3
Vanadium	NA	NA	17.1	NA	19.6	NA	14.8	18
Zinc	NA	NA	723 J	NA	2110 J	NA	4.2	4.5
Oil and Grease (mg/kg)								
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX13	169-EX13	169-EX14	169-EX14	169-EX15	169-EX15	169-EX16	169-EX17
Field Sample ID:	169-EX13A-SS0.0	169-EX487A-SS0.0 (FD)	169-EX14-SS0.0	169-EX14A-SS0.0	169-EX15-SS0.0	169-EX15A-SS0.0	169-EX16-SS0.0	169-EX17-SS0.0
Sample Date:	9/17/2004	9/17/2004	8/5/2004	9/17/2004	8/5/2004	9/17/2004	9/30/2004	9/30/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)								
PCB-1016 (Aroclor 1016)	<0.052	<0.052	<0.53	<0.055	<1.1	<0.055	0.0013 F	0.0012 F
PCB-1221 (Aroclor 1221)	<0.052	<0.052	<0.53	<0.055	<1.1	<0.055	<0.052	<0.052
PCB-1232 (Aroclor 1232)	<0.052	<0.052	<0.53	<0.055	<1.1	<0.055	<0.052	<0.052
PCB-1242 (Aroclor 1242)	<0.052	<0.052	<0.53	<0.055	<1.1	<0.055	<0.052	<0.052
PCB-1248 (Aroclor 1248)	<0.052	<0.052	<0.53	<0.055	<1.1	<0.055	<0.052	<0.052
PCB-1254 (Aroclor 1254)	0.0172 F	0.0163 F	3.17	0.0054 F	6.05	<0.055	<0.052	<0.052
PCB-1260 (Aroclor 1260)	<0.052	<0.052	<0.53	<0.055	<1.1	<0.055	<0.052	<0.052
Total Petroleum Hydrocarbons (mg/kg)								
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX18	169-EX19	169-EX20	169-EX21	169-EX22	169-EX22	169-EX22	169-EX23	169-EX23
Field Sample ID:	169-EX18-SS0.0	169-EX19-SS0.0	169-EX20-SS0.0	169-EX21-SS0.0	169-EX22-SS0.0	169-EX22A-SS0.0	169-EX22B-SS0.0	169-EX23-SS0.0	169-EX477-SS0.0 (FD)
Sample Date:	9/24/2004	9/24/2004	9/30/2004	9/30/2004	8/5/2004	9/30/2004	10/12/2004	8/5/2004	8/5/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	<0.028	<0.026	<0.027	<0.026	<0.27	0.001 F	<0.026	0.001 F	<0.26
Acenaphthene (SIM)	<0.028	<0.026	<0.027	<0.026	<0.27	0.0034 F	<0.026	0.0108 F	<0.26
Acenaphthylene (SIM)	<0.028	<0.026	<0.027	0.0018 F	0.0193 F	0.0048 F	<0.026	0.0242 F	0.0292 F
Anthracene (SIM)	<0.028	<0.026	<0.027	0.0033 F	0.0679 F	0.0122 F	<0.026	0.0559	0.0755 F
Benzo(a)anthracene (SIM)	0.0005 F	<0.026	<0.027	0.0217 F	0.328	0.0384	<0.026	0.225	0.298
Benzo(a)pyrene (SIM)	<0.028	<0.026	<0.027	0.0332	0.316	0.0652	<0.026	0.196	0.242 F
Benzo(b)fluoranthene (SIM)	<0.028	<0.026	<0.027	0.0481	0.269 F	0.0834	<0.026	0.253	0.26
Benzo(g,h,i)perylene (SIM)	<0.028	<0.026	<0.027	0.0189 F	0.193 F	0.0378	<0.026	0.0844	0.121 F
Benzo(k)fluoranthene (SIM)	<0.028	<0.026	<0.027	0.0135 F	0.364	0.0219 F	<0.026	0.173	0.252 F
Chrysene (SIM)	<0.028	<0.026	<0.027	0.0188 F	0.379	0.0346	<0.026	0.237	0.333
Dibenz(a,h)anthracene (SIM)	<0.028	<0.026	<0.027	0.0052 F	0.092 F	0.0105 F	<0.026	0.053	0.0673 F
Fluoranthene (SIM)	<0.028	<0.026	<0.027	0.0298	0.421	0.0681	<0.026	0.338	0.431
Fluorene (SIM)	<0.028	<0.026	<0.027	<0.026	<0.27	0.003 F	<0.026	0.0104 F	<0.26
Indeno(1,2,3-c,d)pyrene (SIM)	<0.028	<0.026	<0.027	0.018 F	0.151 F	0.035	<0.026	0.0811	0.116 F
Naphthalene (SIM)	<0.028	<0.026	<0.027	<0.026	<0.27	0.0015 F	<0.026	0.0015 F	<0.26
Phenanthrene (SIM)	<0.028	<0.026	<0.027	0.0092 F	0.133 F	0.0385	<0.026	0.177	0.138 F
Pyrene (SIM)	<0.028	<0.026	<0.027	0.0365	0.46	0.0827	<0.026	0.366	0.412
Total Metals (mg/kg)									
Aluminum	3890	3770	5760	5540	8300	NA	NA	6550	5610
Antimony	0.27 F	0.27 F	<11	0.56 F	<11	NA	NA	<11	1.6 F
Arsenic	2.3 F	2.6 F	2.4 F	2.3 F	1.2 F	NA	NA	3.2 F	3 F
Barium	11.4	13.4	20.2	21.7	26.8	NA	NA	41	49.5
Beryllium	0.015 F	0.014 F	0.0075 F	0.0058 F	0.017 F	NA	NA	0.043 F	0.032 F
Cadmium	<0.55	<0.52	<0.54	0.33 F	5.4	NA	NA	14.5	12.5
Chromium	6.3	7.3	9.8	11.7	33.9 J	NA	NA	36.6 J	15.6 J
Cobalt	0.69 F	0.93 F	1.4	2.4	5.5	NA	NA	4.2	3.6
Copper	2.1 F	3.1	4	10.8	62.6	NA	NA	37.8	39.7
Iron	4880	6130	7190	7020	12300	NA	NA	12500	12200
Lead	3.4	3.7	4.3	19.5	115 J	NA	NA	129 J	39.3 J
Manganese	16.2	32.8	59.6	100	119	NA	NA	111	108
Mercury	0.034 F	0.026 F	0.085 F	0.069 F	0.44	NA	NA	0.18	0.17
Molybdenum	0.31 F	0.34 F	0.25 F	0.53 F	2 F	NA	NA	1.3 F	1.3 F
Nickel	1.9 F	2.1	3.3	7.7	36.1	NA	NA	17.8	13.6
Selenium	0.38 F	0.35 F	0.57 F	0.86 F	<3.2	NA	NA	<3.2	<3.2
Silver	<1.1	<1	<1.1	<1	0.36 F	NA	NA	0.11 F	0.11 F
Thallium	<6.6	<6.2	<6.4	<6.3	<6.4	NA	NA	<6.3	<6.3
Vanadium	15.3	18.6	20.5	17	9.8	NA	NA	19.2	16
Zinc	3.2	3.9	7.2	85.5	670 J	NA	NA	743 J	440 J
Oil and Grease (mg/kg)									
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX18	169-EX19	169-EX20	169-EX21	169-EX22	169-EX22	169-EX22	169-EX23	169-EX23
Field Sample ID:	169-EX18-SS0.0	169-EX19-SS0.0	169-EX20-SS0.0	169-EX21-SS0.0	169-EX22-SS0.0	169-EX22A-SS0.0	169-EX22B-SS0.0	169-EX23-SS0.0	169-EX477-SS0.0 (FD)
Sample Date:	9/24/2004	9/24/2004	9/30/2004	9/30/2004	8/5/2004	9/30/2004	10/12/2004	8/5/2004	8/5/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	<0.055	<0.052	0.0022 F	0.0014 F	<0.27	0.0021 F	NA	<0.26	<0.26
PCB-1221 (Aroclor 1221)	<0.055	<0.052	<0.054	<0.052	<0.27	<0.052	NA	<0.26	<0.26
PCB-1232 (Aroclor 1232)	<0.055	<0.052	<0.054	<0.052	<0.27	<0.052	NA	<0.26	<0.26
PCB-1242 (Aroclor 1242)	<0.055	<0.052	<0.054	<0.052	<0.27	<0.052	NA	<0.26	<0.26
PCB-1248 (Aroclor 1248)	<0.055	<0.052	<0.054	<0.052	<0.27	<0.052	NA	<0.26	<0.26
PCB-1254 (Aroclor 1254)	<0.055	<0.052	<0.054	<0.052	1.2	<0.052	NA	0.726	1.24
PCB-1260 (Aroclor 1260)	0.0066 F	0.0036 F	<0.054	0.0016 F	<0.27	<0.052	NA	<0.26	<0.26
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX23	169-EX24	169-EX24	169-EX24	169-EX25	169-EX25	169-EX26	169-EX26
Field Sample ID:	169-EX23A-SS0.0	169-EX24-SS0.0	169-EX24A-SS0.0	169-EX476A-SS0.0 (FD)	169-EX25-SS0.0	169-EX25A-SS0.0	169-EX26-SS0.0	169-EX26A-SS0.0
Sample Date:	9/30/2004	8/5/2004	9/24/2004	9/24/2004	8/9/2004	9/24/2004	8/9/2004	9/24/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)								
2-Methylnaphthalene (SIM)	0.0012 F	<0.026	NA	NA	<0.026	NA	0.0017 F	<0.027
Acenaphthene (SIM)	0.0041 F	0.0027 F	NA	NA	0.0014 F	NA	0.0045 F	<0.027
Acenaphthylene (SIM)	0.0023 F	0.0112 F	NA	NA	0.0044 F	NA	0.0145 F	<0.027
Anthracene (SIM)	0.0191 F	0.0161 F	NA	NA	0.0076 F	NA	0.0311	<0.027
Benzo(a)anthracene (SIM)	0.0531	0.0587	NA	NA	0.0371	NA	0.13	0.002 F
Benzo(a)pyrene (SIM)	0.0605	0.0608	NA	NA	0.0351	NA	0.135	0.0024 F
Benzo(b)fluoranthene (SIM)	0.0887	0.0772	NA	NA	0.0443	NA	<0.026	0.0033 F
Benzo(g,h,i)perylene (SIM)	0.0227 F	0.0287	NA	NA	0.0186 F	NA	0.0447	0.0017 F
Benzo(k)fluoranthene (SIM)	0.0244 F	0.0585	NA	NA	0.0319	NA	0.318	0.0014 F
Chrysene (SIM)	0.0437	0.0661	NA	NA	0.037	NA	0.159	0.0027 F
Dibenz(a,h)anthracene (SIM)	0.0075 F	0.0151 F	NA	NA	0.0098 F	NA	0.0222 F	<0.027
Fluoranthene (SIM)	0.109	0.0919	NA	NA	0.043	NA	0.227	0.0019 F
Fluorene (SIM)	0.0045 F	0.0024 F	NA	NA	0.0009 F	NA	0.0055 F	<0.027
Indeno(1,2,3-c,d)pyrene (SIM)	0.0228 F	0.0294	NA	NA	0.0224 F	NA	0.0454	0.0014 F
Naphthalene (SIM)	0.0013 F	<0.026	NA	NA	<0.026	NA	0.0034 F	<0.027
Phenanthrene (SIM)	0.0603	0.0458	NA	NA	0.0198 F	NA	0.141	<0.027
Pyrene (SIM)	0.11	0.104	NA	NA	0.0552	NA	0.255	0.0022 F
Total Metals (mg/kg)								
Aluminum	NA	5440	NA	NA	5750	NA	6440	NA
Antimony	NA	0.56 F	NA	NA	<10	NA	2 F	NA
Arsenic	NA	2.4 F	NA	NA	2 F	NA	2.5 F	NA
Barium	NA	23.9	NA	NA	22	NA	41.1	NA
Beryllium	NA	0.0036 F	NA	NA	0.042 F	NA	0.07 F	NA
Cadmium	NA	4.7	NA	NA	1.1	NA	3.2	NA
Chromium	NA	17.4 J	NA	NA	14.3	NA	24	NA
Cobalt	NA	3.2	NA	NA	2	NA	4.2	NA
Copper	NA	24.8	NA	NA	24.2	NA	45.2	NA
Iron	NA	12300	NA	NA	6680	NA	12500	NA
Lead	NA	59.5 J	NA	NA	20.1	NA	65.1	NA
Manganese	NA	114	NA	NA	65.2	NA	128	NA
Mercury	NA	0.12	NA	NA	0.099 F	NA	0.28	NA
Molybdenum	NA	1.1 F	NA	NA	0.57 F	NA	1.6 F	NA
Nickel	NA	14.3	NA	NA	9.1	NA	21	NA
Selenium	NA	<3.2	NA	NA	0.088 F	NA	<3.1	NA
Silver	NA	0.58 F	NA	NA	<1	NA	0.5 F	NA
Thallium	NA	<6.3	NA	NA	<6.3	NA	<6.2	NA
Vanadium	NA	15	NA	NA	13.6	NA	13.7	NA
Zinc	NA	166 J	NA	NA	145	NA	542	NA
Oil and Grease (mg/kg)								
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX23	169-EX24	169-EX24	169-EX24	169-EX25	169-EX25	169-EX26	169-EX26
Field Sample ID:	169-EX23A-SS0.0	169-EX24-SS0.0	169-EX24A-SS0.0	169-EX476A-SS0.0 (FD)	169-EX25-SS0.0	169-EX25A-SS0.0	169-EX26-SS0.0	169-EX26A-SS0.0
Sample Date:	9/30/2004	8/5/2004	9/24/2004	9/24/2004	8/9/2004	9/24/2004	8/9/2004	9/24/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)								
PCB-1016 (Aroclor 1016)	0.0013 F	<0.053	<0.052	<0.051	<0.052	<0.051	<0.26	<0.054
PCB-1221 (Aroclor 1221)	<0.054	<0.053	<0.052	<0.051	<0.052	<0.051	<0.26	<0.054
PCB-1232 (Aroclor 1232)	<0.054	<0.053	<0.052	<0.051	<0.052	<0.051	<0.26	<0.054
PCB-1242 (Aroclor 1242)	<0.054	<0.053	<0.052	<0.051	<0.052	<0.051	<0.26	<0.054
PCB-1248 (Aroclor 1248)	<0.054	<0.053	<0.052	<0.051	<0.052	<0.051	<0.26	<0.054
PCB-1254 (Aroclor 1254)	<0.054	0.326 J	<0.052	<0.051	0.261	0.0421 F	1.22	<0.054
PCB-1260 (Aroclor 1260)	<0.054	<0.053	0.0032 F	0.0033 F	<0.052	<0.051	<0.26	0.006 F
Total Petroleum Hydrocarbons (mg/kg)								
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX27	169-EX28	169-EX28	169-EX29	169-EX30	169-EX31	169-EX32	169-EX33	169-EX33
Field Sample ID:	169-EX27-SS0.0	169-EX28-SS0.0	169-EX28A-SS0.0	169-EX29-SS0.0	169-EX30-SS0.0	169-EX31-SS0.0	169-EX32-SS0.0	169-EX33-SS0.0	169-EX467-SS0.0 (FD)
Sample Date:	9/24/2004	9/23/2004	10/12/2004	9/22/2004	9/21/2004	9/21/2004	9/22/2004	9/23/2004	9/23/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	<0.026	<0.052	NA	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Acenaphthene (SIM)	<0.026	0.0072 F	NA	0.001 F	<0.026	<0.026	<0.026	<0.026	<0.026
Acenaphthylene (SIM)	<0.026	0.0027 F	NA	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Anthracene (SIM)	<0.026	0.0243 F	NA	0.0013 F	<0.026	<0.026	<0.026	<0.026	<0.026
Benzo(a)anthracene (SIM)	0.0006 F	0.0506 F	NA	0.0033 F	0.0018 F	0.0006 F	0.0006 F	<0.026	0.0008 F
Benzo(a)pyrene (SIM)	<0.026	0.0571	NA	0.0048 F	0.0021 F	<0.026	<0.026	<0.026	<0.026
Benzo(b)fluoranthene (SIM)	<0.026	0.106	NA	0.0072 F	0.0038 F	<0.026	<0.026	<0.026	0.0008 F
Benzo(g,h,i)perylene (SIM)	<0.026	0.0193 F	NA	0.0034 F	0.0015 F	<0.026	<0.026	<0.026	0.0005 F
Benzo(k)fluoranthene (SIM)	<0.026	0.0324 F	NA	0.0032 F	<0.026	<0.026	<0.026	<0.026	<0.026
Chrysene (SIM)	<0.026	0.0262 F	NA	0.0034 F	0.0017 F	<0.026	<0.026	<0.026	<0.026
Dibenz(a,h)anthracene (SIM)	<0.026	0.0063 F	NA	0.0008 F	0.0008 F	<0.026	<0.026	<0.026	<0.026
Fluoranthene (SIM)	<0.026	0.118	NA	0.008 F	0.0029 F	<0.026	<0.026	<0.026	<0.026
Fluorene (SIM)	<0.026	0.0076 F	NA	0.0008 F	<0.026	<0.026	<0.026	<0.026	<0.026
Indeno(1,2,3-c,d)pyrene (SIM)	<0.026	0.0186 F	NA	0.0028 F	0.0012 F	<0.026	<0.026	<0.026	<0.026
Naphthalene (SIM)	<0.026	<0.052	NA	0.0011 F	<0.026	<0.026	<0.026	<0.026	<0.026
Phenanthrene (SIM)	<0.026	0.0983	NA	0.0054 F	0.001 F	<0.026	<0.026	<0.026	<0.026
Pyrene (SIM)	<0.026	0.118	NA	0.0076 F	0.0035 F	<0.026	<0.026	<0.026	0.0007 F
Total Metals (mg/kg)									
Aluminum	2860	4930 J	NA	3210	3190	2700	3400	4060 J	2860 J
Antimony	0.26 F	0.48 F	NA	0.28 F	0.41 F	0.27 F	<10	<10	0.49 F
Arsenic	2.2 F	2.2 F	NA	1.9 F	1.9 F	1.6 F	2.1 F	1.7 F	2.5 F
Barium	17	24.9	NA	18.3	18.2	16.3	13.9	15.8	14.9
Beryllium	0.038 F	0.029 F	NA	0.039 F	0.02 F	0.041 F	0.052 F	0.0036 F	0.046 F
Cadmium	0.037 F	1.7	NA	0.65	0.082 F	<0.52	<0.51	<0.51	<0.51
Chromium	6.5	13.8	NA	8.3	6.5	4.9	6.1	5.9	6.7
Cobalt	1.3	2.8	NA	1.6	1.4	0.98 F	0.89 F	1.1	1.1
Copper	3	24.9	NA	9.8	3.9	2.2	1.6 F	2.3	2.3
Iron	5670	7960	NA	6120	5140	4370	5140	4520	6100
Lead	3.6	29.6	NA	11.6	4.8	2.8 F	3.4	3 F	3.5
Manganese	61.8	91.7	NA	56.6	50.9	35	23.7	33.3	35.3
Mercury	0.019 F	0.17	NA	0.068 F	0.018 F	0.015 F	0.027 F	0.016 F	0.039 F
Molybdenum	0.38 F	0.66 F	NA	1.1 F	0.33 F	0.35 F	0.25 F	0.29 F	0.28 F
Nickel	2.7	14.2	NA	5.2	4.1	2.2	2.4	2.7	2.3
Selenium	0.51 F	0.41 F	NA	0.16 F	0.46 F	0.32 F	<3.1	0.33 F	0.49 F
Silver	<1	0.064 F	NA	<1	<1	<1	<1	<1	<1
Thallium	<6.2	<6.2	NA	<6.2	<6.1	<6.2	<6.2	<6.2	<6.1
Vanadium	14.7	13.4	NA	12	13.5	11.3	13.3	11.2	14.6
Zinc	11.5	295	NA	96.6	10.7	3.6	3.5	4.9	5.1
Oil and Grease (mg/kg)									
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX27	169-EX28	169-EX28	169-EX29	169-EX30	169-EX31	169-EX32	169-EX33	169-EX33
Field Sample ID:	169-EX27-SS0.0	169-EX28-SS0.0	169-EX28A-SS0.0	169-EX29-SS0.0	169-EX30-SS0.0	169-EX31-SS0.0	169-EX32-SS0.0	169-EX33-SS0.0	169-EX467-SS0.0 (FD)
Sample Date:	9/24/2004	9/23/2004	10/12/2004	9/22/2004	9/21/2004	9/21/2004	9/22/2004	9/23/2004	9/23/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	<0.052	<0.26	0.0059 F	<0.051	<0.051	<0.052	<0.051	<0.051	<0.051
PCB-1221 (Aroclor 1221)	<0.052	<0.26	<0.053	<0.051	<0.051	<0.052	<0.051	<0.051	<0.051
PCB-1232 (Aroclor 1232)	<0.052	<0.26	<0.053	<0.051	<0.051	<0.052	<0.051	<0.051	<0.051
PCB-1242 (Aroclor 1242)	<0.052	<0.26	<0.053	<0.051	<0.051	<0.052	<0.051	<0.051	<0.051
PCB-1248 (Aroclor 1248)	<0.052	<0.26	<0.053	<0.051	<0.051	<0.052	<0.051	<0.051	<0.051
PCB-1254 (Aroclor 1254)	<0.052	0.468	<0.053	0.0986	<0.051	<0.052	<0.051	<0.051	0.0178 F
PCB-1260 (Aroclor 1260)	<0.052	<0.26	<0.053	<0.051	0.0019 F	0.011 F	0.0037 F	0.0042 F	<0.051
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX34	169-EX35	169-EX36	169-EX37	169-EX37	169-EX38	169-EX39	169-EX39	169-EX40
Field Sample ID:	169-EX34-SS0.0	169-EX35-SS0.0	169-EX36-SS0.0	169-EX37-SS0.0	169-EX37A-SS0.0	169-EX38-SS0.0	169-EX39-SS0.0	169-EX39A-SS0.0	169-EX40-SS0.0
Sample Date:	9/23/2004	9/22/2004	9/22/2004	9/23/2004	10/12/2004	9/23/2004	9/28/2004	10/12/2004	9/29/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	<0.026	<0.026	<0.026	<0.27	NA	<0.026	<0.52	<0.026	<0.028
Acenaphthene (SIM)	0.0013 F	<0.026	<0.026	<0.27	NA	<0.026	0.0231 F	<0.026	<0.028
Acenaphthylene (SIM)	<0.026	<0.026	<0.026	<0.27	NA	<0.026	0.018 F	<0.026	<0.028
Anthracene (SIM)	0.0038 F	<0.026	0.0012 F	<0.27	NA	<0.026	0.126 F	<0.026	<0.028
Benzo(a)anthracene (SIM)	0.0092 F	<0.026	0.0035 F	0.0146 F	NA	0.001 F	0.476 F	<0.026	<0.028
Benzo(a)pyrene (SIM)	0.0093 F	<0.026	0.0054 F	0.0141 F	NA	0.0035 F	0.419 F	<0.026	<0.028
Benzo(b)fluoranthene (SIM)	0.0126 F	<0.026	0.0132 F	0.0318 F	NA	0.0038 F	0.561	<0.026	<0.028
Benzo(g,h,i)perylene (SIM)	0.0059 F	<0.026	0.0042 F	0.0126 F	NA	0.0009 F	0.258 F	<0.026	<0.028
Benzo(k)fluoranthene (SIM)	0.0051 F	<0.026	<0.026	<0.27	NA	<0.026	0.209 F	<0.026	<0.028
Chrysene (SIM)	0.0081 F	<0.026	0.0042 F	0.0191 F	NA	0.0026 F	0.234 F	<0.026	<0.028
Dibenz(a,h)anthracene (SIM)	0.0011 F	<0.026	<0.026	<0.27	NA	<0.026	0.0605 F	<0.026	<0.028
Fluoranthene (SIM)	0.0224 F	<0.026	0.0102 F	0.0158 F	NA	0.0028 F	1.21	<0.026	<0.028
Fluorene (SIM)	0.0017 F	<0.026	<0.026	<0.27	NA	<0.026	0.0172 F	<0.026	<0.028
Indeno(1,2,3-c,d)pyrene (SIM)	0.0051 F	<0.026	0.0029 F	0.0089 F	NA	0.0009 F	0.221 F	<0.026	<0.028
Naphthalene (SIM)	<0.026	<0.026	<0.026	<0.27	NA	<0.026	<0.52	<0.026	<0.028
Phenanthrene (SIM)	0.0167 F	<0.026	0.0055 F	<0.27	NA	0.0011 F	0.436 F	<0.026	<0.028
Pyrene (SIM)	0.0186 F	<0.026	0.0094 F	0.0194 F	NA	0.0029 F	1.15	<0.026	<0.028
Total Metals (mg/kg)									
Aluminum	4110 J	4840	3730	11500 J	NA	4930 J	7110 J	NA	5840
Antimony	<10	<10	0.29 F	<11	NA	0.28 F	5.1 F	NA	0.52 F
Arsenic	1.8 F	2 F	2.5 F	2.1 F	NA	2.2 F	3.2 F	NA	3.3 F
Barium	17.7	20	23.1	40.2	NA	24.8	65.8 M	NA	50.5
Beryllium	0.03 F	0.05 F	0.022 F	0.086 F	NA	0.063 F	<10	NA	0.029 F
Cadmium	0.15 F	<0.51	1.4	0.81	NA	0.37 F	16.1	NA	0.58
Chromium	6.4	7.8	26.7	23.4	NA	12.8	45.4	NA	17.6
Cobalt	1.1	1.1	2.2	6.3	NA	2.2	7.2 F	NA	2.8
Copper	3	2.5	21.4	21.2	NA	10.5	99.1	NA	13.5
Iron	5310	6240	8600	9910	NA	6300	50800 J*	4250	9150
Lead	3.3	3.4	27.4	40.7	NA	29.8	361*	2.5 F	24.7
Manganese	43.6	30.7	83.9	272	NA	53.4	378	NA	109
Mercury	0.023 F	0.014 F	0.057 F	0.15	NA	0.02 F	0.54	NA	0.73
Molybdenum	0.19 F	0.24 F	0.56 F	0.3 F	NA	0.27 F	3.2 F	NA	0.44 F
Nickel	3.1	3.8	17.9	43.7	NA	9.2	48	NA	13.2
Selenium	0.48 F	0.5 F	0.36 F	0.25 F	NA	0.37 F	0.81 F	NA	0.81 F
Silver	<1	<1	1	<1.1	NA	<1.1	<10	NA	3.3
Thallium	<6.2	<6.1	<6.2	<6.5	NA	<6.3	<62	NA	<6.6
Vanadium	11.9	13.7	13.7	16.4	NA	13.9	15.2	NA	22.5
Zinc	211	5.1	90.3	155	NA	293	3400 J	NA	88.5
Oil and Grease (mg/kg)									
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX34	169-EX35	169-EX36	169-EX37	169-EX37	169-EX38	169-EX39	169-EX39	169-EX40
Field Sample ID:	169-EX34-SS0.0	169-EX35-SS0.0	169-EX36-SS0.0	169-EX37-SS0.0	169-EX37A-SS0.0	169-EX38-SS0.0	169-EX39-SS0.0	169-EX39A-SS0.0	169-EX40-SS0.0
Sample Date:	9/23/2004	9/22/2004	9/22/2004	9/23/2004	10/12/2004	9/23/2004	9/28/2004	10/12/2004	9/29/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	<0.052	<0.051	<0.051	<0.27	0.0039 F	<0.053	3.45	0.0042 F	0.0013 F
PCB-1221 (Aroclor 1221)	<0.052	<0.051	<0.051	<0.27	<0.052	<0.053	<1	<0.052	<0.055
PCB-1232 (Aroclor 1232)	<0.052	<0.051	<0.051	<0.27	<0.052	<0.053	<1	<0.052	<0.055
PCB-1242 (Aroclor 1242)	<0.052	<0.051	<0.051	<0.27	<0.052	<0.053	<1	<0.052	<0.055
PCB-1248 (Aroclor 1248)	<0.052	<0.051	<0.051	<0.27	<0.052	<0.053	<1	<0.052	<0.055
PCB-1254 (Aroclor 1254)	0.0247 F	<0.051	0.165	0.883	<0.052	0.115	4.39	<0.052	<0.055
PCB-1260 (Aroclor 1260)	<0.052	0.0044 F	<0.051	<0.27	<0.052	<0.053	<1	<0.052	<0.055
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
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Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX41	169-EX42	169-EX42	169-EX43	169-EX43	169-EX44	169-EX44	169-EX45	169-EX46
Field Sample ID:	169-EX41-SS0.0	169-EX42-SS0.0	169-EX42A-SS0.0	169-EX43-SS0.0	169-EX457-SS0.0 (FD)	169-EX44-SS0.0	169-EX44A-SS0.0	169-EX45-SS0.0	169-EX46-SS0.0
Sample Date:	9/29/2004	9/29/2004	10/13/2004	9/29/2004	9/29/2004	9/2/2004	9/30/2004	8/12/2004	8/12/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	<0.026	<0.026	NA	0.001 F	<0.026	NA	<0.026	<0.026	<0.026
Acenaphthene (SIM)	<0.026	<0.026	NA	<0.026	<0.026	NA	<0.026	<0.026	<0.026
Acenaphthylene (SIM)	<0.026	<0.026	NA	<0.026	<0.026	NA	<0.026	<0.026	<0.026
Anthracene (SIM)	<0.026	<0.026	NA	<0.026	<0.026	NA	<0.026	<0.026	<0.026
Benzo(a)anthracene (SIM)	0.0022 F	<0.026	NA	<0.026	<0.026	NA	<0.026	<0.026	<0.026
Benzo(a)pyrene (SIM)	0.0006 F	<0.026	NA	0.0019 F	<0.026	NA	<0.026	<0.026	<0.026
Benzo(b)fluoranthene (SIM)	0.0011 F	<0.026	NA	0.0041 F	<0.026	NA	<0.026	<0.026	0.0111 F
Benzo(g,h,i)perylene (SIM)	0.0008 F	<0.026	NA	0.0102 F	<0.026	NA	<0.026	<0.026	<0.026
Benzo(k)fluoranthene (SIM)	<0.026	<0.026	NA	<0.026	<0.026	NA	<0.026	<0.026	<0.026
Chrysene (SIM)	<0.026	<0.026	NA	0.0044 F	<0.026	NA	<0.026	<0.026	<0.026
Dibenz(a,h)anthracene (SIM)	<0.026	<0.026	NA	<0.026	<0.026	NA	<0.026	<0.026	<0.026
Fluoranthene (SIM)	<0.026	<0.026	NA	0.0013 F	<0.026	NA	<0.026	<0.026	<0.026
Fluorene (SIM)	<0.026	<0.026	NA	<0.026	<0.026	NA	<0.026	<0.026	<0.026
Indeno(1,2,3-c,d)pyrene (SIM)	<0.026	<0.026	NA	0.0027 F	<0.026	NA	<0.026	<0.026	<0.026
Naphthalene (SIM)	<0.026	<0.026	NA	0.0012 F	<0.026	NA	<0.026	<0.026	<0.026
Phenanthrene (SIM)	<0.026	<0.026	NA	<0.026	<0.026	NA	<0.026	<0.026	<0.026
Pyrene (SIM)	<0.026	<0.026	NA	0.0017 F	<0.026	NA	<0.026	<0.026	<0.026
Total Metals (mg/kg)									
Aluminum	6300	5800	NA	3310	3630	NA	5130	5760	5370
Antimony	0.51 F	<10	NA	<10	0.34 F	NA	0.29 F	<10	<10
Arsenic	2.9 F	4.2 F	NA	2 F	2 F	NA	2.2 F	2.9 F	2.7 F
Barium	40.2	24.5	NA	10.6	10.9	NA	12.6	22.1	21.5
Beryllium	0.037 F	0.052 F	NA	<1	<1	NA	<1	0.025 F	0.034 F
Cadmium	0.46 F	0.073 F	NA	<0.52	<0.51	NA	<0.52	0.13 F	0.11 F
Chromium	31.9	16.2	NA	6.3	7.1	NA	9	11.8	10.6
Cobalt	3.4	2.2	NA	0.79 F	0.84 F	NA	1.1	2	2.2
Copper	11.8	6.8	NA	2.5	2.6	NA	2.6	6.7	7
Iron	9070	10300	NA	4970	4990	NA	5980	7670 J	7260 J
Lead	17.8	10.4	NA	4.4	4.7	NA	4.4	6.9	7.6
Manganese	104	65.6	NA	18.8	20.8	NA	31.8	74	67
Mercury	0.71	0.11	NA	0.055 F	0.062 F	NA	0.056 F	0.076 F	0.093 F
Molybdenum	0.31 F	0.51 F	NA	0.43 F	0.41 F	NA	0.11 F	0.41 F	0.33 F
Nickel	18.6	10	NA	2.3	2.6	NA	3.6	6.8	17.2
Selenium	0.89 F	0.77 F	NA	0.47 F	0.46 F	NA	0.55 F	0.56 F	0.59 F
Silver	1.5	<1	NA	<1	<1	NA	<1	<1	<1
Thallium	<6.3	<6.2	NA	<6.2	<6.2	NA	<6.3	<6.2	<6.2
Vanadium	22.4	31.2	NA	16.6	16.3	NA	17.1	21	18.8
Zinc	72.4	15.7	NA	4.3	4.8	NA	4.3	18.6	22.6
Oil and Grease (mg/kg)									
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX41	169-EX42	169-EX42	169-EX43	169-EX43	169-EX44	169-EX44	169-EX45	169-EX46
Field Sample ID:	169-EX41-SS0.0	169-EX42-SS0.0	169-EX42A-SS0.0	169-EX43-SS0.0	169-EX457-SS0.0 (FD)	169-EX44-SS0.0	169-EX44A-SS0.0	169-EX45-SS0.0	169-EX46-SS0.0
Sample Date:	9/29/2004	9/29/2004	10/13/2004	9/29/2004	9/29/2004	9/2/2004	9/30/2004	8/12/2004	8/12/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	<0.052	<0.052	0.0331 F	<0.052	0.0016 F	<0.26	0.0012 F	<0.052	<0.052
PCB-1221 (Aroclor 1221)	<0.052	<0.052	<0.058	<0.052	<0.051	<0.26	<0.052	<0.052	<0.052
PCB-1232 (Aroclor 1232)	<0.052	<0.052	<0.058	<0.052	<0.051	<0.26	<0.052	<0.052	<0.052
PCB-1242 (Aroclor 1242)	<0.052	<0.052	<0.058	<0.052	<0.051	<0.26	<0.052	<0.052	<0.052
PCB-1248 (Aroclor 1248)	<0.052	<0.052	<0.058	<0.052	<0.051	<0.26	<0.052	<0.052	<0.052
PCB-1254 (Aroclor 1254)	0.112	0.289	<0.058	0.209	<0.051	0.971	<0.052	0.0162 J	0.0581
PCB-1260 (Aroclor 1260)	<0.052	<0.052	0.0387 F	<0.052	<0.051	<0.26	<0.052	<0.052	<0.052
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
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Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX47	169-EX47	169-EX48	169-EX48	169-EX49	169-EX49	169-EX50	169-EX51	169-EX51
Field Sample ID:	169-EX47-SS0.0	169-EX47A-SS0.0	169-EX48-SS0.0	169-EX48A-SS0.0	169-EX49-SS0.0	169-EX49A-SS0.0	169-EX50-SS0.0	169-EX51-SS0.0	169-EX51A-SS0.0
Sample Date:	8/12/2004	9/24/2004	8/12/2004	9/24/2004	8/12/2004	9/24/2004	8/12/2004	8/12/2004	9/24/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	<0.026	NA	<0.026	NA	<0.026	NA	<0.026	<0.026	NA
Acenaphthene (SIM)	<0.026	NA	<0.026	NA	<0.026	NA	<0.026	<0.026	NA
Acenaphthylene (SIM)	<0.026	NA	<0.026	NA	<0.026	NA	<0.026	0.0024 F	NA
Anthracene (SIM)	<0.026	NA	<0.026	NA	<0.026	NA	<0.026	0.0058 F	NA
Benzo(a)anthracene (SIM)	0.006 F	NA	0.0034 F	NA	0.0042 F	NA	0.0105 F	0.0399	NA
Benzo(a)pyrene (SIM)	0.003 F	NA	0.0032 F	NA	0.0032 F	NA	0.0078 F	0.0281	NA
Benzo(b)fluoranthene (SIM)	0.014 F	NA	0.0135 F	NA	0.0133 F	NA	0.0193 F	0.052	NA
Benzo(g,h,i)perylene (SIM)	0.002 F	NA	0.0021 F	NA	0.0019 F	NA	0.0067 F	0.0123 F	NA
Benzo(k)fluoranthene (SIM)	0.0023 F	NA	0.0032 F	NA	0.003 F	NA	0.0058 F	0.0156 F	NA
Chrysene (SIM)	0.0065 F	NA	0.004 F	NA	0.0043 F	NA	0.0085 F	0.0287	NA
Dibenz(a,h)anthracene (SIM)	<0.026	NA	<0.026	NA	<0.026	NA	<0.026	0.0048 F	NA
Fluoranthene (SIM)	0.0067 F	NA	0.0045 F	NA	0.0062 F	NA	0.0226 F	0.0468	NA
Fluorene (SIM)	<0.026	NA	<0.026	NA	<0.026	NA	<0.026	<0.026	NA
Indeno(1,2,3-c,d)pyrene (SIM)	0.0021 F	NA	0.0033 F	NA	0.0018 F	NA	0.0037 F	0.0112 F	NA
Naphthalene (SIM)	<0.026	NA	<0.026	NA	<0.026	NA	<0.026	<0.026	NA
Phenanthrene (SIM)	0.0056 F	NA	0.0028 F	NA	0.0065 F	NA	0.0067 F	0.0294	NA
Pyrene (SIM)	0.0282	NA	0.0056 F	NA	0.0096 F	NA	<0.026	0.0605	NA
Total Metals (mg/kg)									
Aluminum	5330	NA	4850	NA	5530	NA	4230	3890	NA
Antimony	<11	NA	<10	NA	<10	NA	<10	<10	NA
Arsenic	2.5 F	NA	2.5 F	NA	5.8*	1.4	2.4 F	2.5 F	NA
Barium	26.7	NA	24.1	NA	21.9	NA	18.5	22.3	NA
Beryllium	0.026 F	NA	0.029 F	NA	0.06 F	NA	0.018 F	0.053 F	NA
Cadmium	0.15 F	NA	0.22 F	NA	0.054 F	NA	0.11 F	0.18 F	NA
Chromium	11.7	NA	10.6	NA	11.9	NA	7.7	8.7	NA
Cobalt	2.1	NA	2	NA	2	NA	1.3	1.7	NA
Copper	6.7	NA	7.6	NA	6.4	NA	5.5	6.5	NA
Iron	7080 J	NA	6880 J	NA	10400 J	NA	6220 J	6390 J	NA
Lead	9.5	NA	9.4	NA	7	NA	27.9	10.5	NA
Manganese	62.1	NA	59	NA	52.6	NA	39.5	64.2	NA
Mercury	0.12	NA	0.13	NA	0.057 F	NA	0.085 F	0.084 F	NA
Molybdenum	0.3 F	NA	0.35 F	NA	0.62 F	NA	0.7 F	0.54 F	NA
Nickel	10.2	NA	7.9	NA	6.5	NA	3.9	6.9	NA
Selenium	0.55 F	NA	0.71 F	NA	0.85 F	NA	0.61 F	0.41 F	NA
Silver	0.27 F	NA	0.42 F	NA	<1	NA	<1	<1	NA
Thallium	<6.3	NA	<6.2	NA	<6.2	NA	<6.2	<6.3	NA
Vanadium	18.1	NA	18.6	NA	32.9	NA	17.3	16.8	NA
Zinc	27.9	NA	27.6	NA	14.3	NA	28.9	43.8	NA
Oil and Grease (mg/kg)									
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX47	169-EX47	169-EX48	169-EX48	169-EX49	169-EX49	169-EX50	169-EX51	169-EX51
Field Sample ID:	169-EX47-SS0.0	169-EX47A-SS0.0	169-EX48-SS0.0	169-EX48A-SS0.0	169-EX49-SS0.0	169-EX49A-SS0.0	169-EX50-SS0.0	169-EX51-SS0.0	169-EX51A-SS0.0
Sample Date:	8/12/2004	9/24/2004	8/12/2004	9/24/2004	8/12/2004	9/24/2004	8/12/2004	8/12/2004	9/24/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	<0.053	<0.054	<0.26	<0.052	<0.26	<0.052	<0.052	<0.052	<0.051
PCB-1221 (Aroclor 1221)	<0.053	<0.054	<0.26	<0.052	<0.26	<0.052	<0.052	<0.052	<0.051
PCB-1232 (Aroclor 1232)	<0.053	<0.054	<0.26	<0.052	<0.26	<0.052	<0.052	<0.052	<0.051
PCB-1242 (Aroclor 1242)	<0.053	<0.054	<0.26	<0.052	<0.26	<0.052	<0.052	<0.052	<0.051
PCB-1248 (Aroclor 1248)	<0.053	<0.054	<0.26	<0.052	<0.26	<0.052	<0.052	<0.052	<0.051
PCB-1254 (Aroclor 1254)	0.251	0.0335 F	0.767	0.0119 F	1.42	<0.052	<0.052	0.428 J	<0.051
PCB-1260 (Aroclor 1260)	<0.053	<0.054	<0.26	<0.052	<0.26	<0.052	<0.052	<0.052	<0.051
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
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Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX52	169-EX53	169-EX53	169-EX54	169-EX55	169-EX56	169-EX57	169-EX58	169-EX59
Field Sample ID:	169-EX52-SS0.0	169-EX447-SS0.0 (FD)	169-EX53-SS0.0	169-EX54-SS0.0	169-EX55-SS0.0	169-EX56-SS0.0	169-EX57-SS0.0	169-EX58-SS0.0	169-EX59-SS0.0
Sample Date:	8/12/2004	8/12/2004	8/12/2004	8/12/2004	8/12/2004	8/12/2004	8/12/2004	8/5/2004	8/9/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.027	<0.028
Acenaphthene (SIM)	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.027	0.0014 F
Acenaphthylene (SIM)	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.027	<0.028
Anthracene (SIM)	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.027	0.0044 F
Benzo(a)anthracene (SIM)	0.0023 F	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	0.0038 F	0.0249 F
Benzo(a)pyrene (SIM)	0.0022 F	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	0.0038 F	0.0117 F
Benzo(b)fluoranthene (SIM)	0.0132 F	<0.026	<0.026	0.0119 F	<0.026	0.0119 F	<0.026	0.0083 F	0.034 F
Benzo(g,h,i)perylene (SIM)	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	0.0025 F	0.0089 F
Benzo(k)fluoranthene (SIM)	0.0019 F	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	0.009 F	<0.28
Chrysene (SIM)	0.0031 F	<0.026	<0.026	0.0019 F	<0.026	<0.026	<0.026	0.0055 F	0.0252 F
Dibenz(a,h)anthracene (SIM)	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.027	<0.28
Fluoranthene (SIM)	0.0044 F	<0.026	<0.026	0.0027 F	<0.026	0.0023 F	<0.026	0.0066 F	0.0463
Fluorene (SIM)	<0.026	<0.026	<0.026	0.0026 F	<0.026	<0.026	<0.026	<0.027	0.0013 F
Indeno(1,2,3-c,d)pyrene (SIM)	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	0.0018 F	0.0089 F
Naphthalene (SIM)	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.027	<0.028
Phenanthrene (SIM)	0.0036 F	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	0.0042 F	0.0253 F
Pyrene (SIM)	0.0056 F	<0.026	<0.026	0.0028 F	0.0017 F	0.0028 F	<0.026	0.0094 F	0.0527
Total Metals (mg/kg)									
Aluminum	5090	4780	5440	4750	4190	4420	4090	7160	11300
Antimony	<11	<10	<11	<11	<10	<10	<10	<11	<11
Arsenic	3.1 F	3.5 F	2.5 F	2.5 F	3.2 F	1.7 F	1.6 F	2.5 F	2.1 F
Barium	25.1	29.1	31.1	32.8	26.9	19.1	19.8	18.2	19.3
Beryllium	0.059 F	0.085 F	0.021 F	0.024 F	0.036 F	<1	0.061 F	0.047 F	0.048 F
Cadmium	0.07 F	0.081 F	0.11 F	0.17 F	0.11 F	0.13 F	0.06 F	0.25 F	0.38 F
Chromium	10	11.1	9.7	9.6	9.4	7	6.1	16.2 J	25.2
Cobalt	2	1.9	1.7	1.8	1.6	1.3	1.2	4.5	7.4
Copper	5.9	5.1	4.9	5.8	4.7	4.6	3.6	15	20.6
Iron	8530 J	10400 J	6760 J	6820 J	7960 J	5130 J	4700 J	7070	9660
Lead	6.2	4.8	3.7	5.8	5.7	6	3.4	18.5 J	26.4
Manganese	82	93.5	74.1	91.2	71.1	47.8	43.2	75.9	104
Mercury	0.067 F	0.045 F	0.047 F	0.052 F	0.034 F	0.038 F	0.034 F	0.084 F	0.11
Molybdenum	0.36 F	0.34 F	0.34 F	0.37 F	0.49 F	0.5 F	0.39 F	0.55 F	0.37 F
Nickel	6	5.2	5.2	7.2	4.1	3.7	3.4	27.4	48.5
Selenium	0.73 F	0.9 F	0.64 F	0.55 F	0.62 F	0.54 F	0.34 F	1.3 F	<3.3
Silver	<1.1	0.13 F	<1.1	<1.1	0.38 F	<1	<1	0.25 F	0.21 F
Thallium	<6.3	<6.3	<6.3	<6.3	<6.2	<6.2	<6.2	<6.5	<6.6
Vanadium	19.7	19	15.8	15.2	21.1	12.9	11.4	15.7	17
Zinc	15.1	10.3	10.9	16.3	14.2	10.7	12.4	42.2 J	57.3
Oil and Grease (mg/kg)									
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE
(Page 36 of 40)

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX52	169-EX53	169-EX53	169-EX54	169-EX55	169-EX56	169-EX57	169-EX58	169-EX59
Field Sample ID:	169-EX52-SS0.0	169-EX447-SS0.0 (FD)	169-EX53-SS0.0	169-EX54-SS0.0	169-EX55-SS0.0	169-EX56-SS0.0	169-EX57-SS0.0	169-EX58-SS0.0	169-EX59-SS0.0
Sample Date:	8/12/2004	8/12/2004	8/12/2004	8/12/2004	8/12/2004	8/12/2004	8/12/2004	8/5/2004	8/9/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	<0.053	<0.052	<0.053	<0.053	<0.052	<0.051	<0.051	<0.054	<0.055
PCB-1221 (Aroclor 1221)	<0.053	<0.052	<0.053	<0.053	<0.052	<0.051	<0.051	<0.054	<0.055
PCB-1232 (Aroclor 1232)	<0.053	<0.052	<0.053	<0.053	<0.052	<0.051	<0.051	<0.054	<0.055
PCB-1242 (Aroclor 1242)	<0.053	<0.052	<0.053	<0.053	<0.052	<0.051	<0.051	<0.054	<0.055
PCB-1248 (Aroclor 1248)	<0.053	<0.052	<0.053	<0.053	<0.052	<0.051	<0.051	<0.054	<0.055
PCB-1254 (Aroclor 1254)	0.0228 J	0.0032 F	0.0066 F	0.0144 F	0.0111 F	0.0208 F	0.007 F	0.0293 J	<0.055
PCB-1260 (Aroclor 1260)	<0.053	<0.052	<0.053	<0.053	<0.052	<0.051	<0.051	<0.054	0.0445 F
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX60	169-EX60	169-EX61	169-EX62	169-EX63	169-EX63	169-EX64	169-EX67	169-EX70
Field Sample ID:	169-EX60-SS0.0	169-EX60A-SS0.0	169-EX61-SS0.0	169-EX62-SS0.0	169-EX437-SS0.0 (FD)	169-EX63-SS0.0	169-EX64-SS0.0	169-EX67-SS0.0	169-EX70-SS0.0
Sample Date:	9/22/2004	10/12/2004	8/11/2004	8/11/2004	8/11/2004	8/11/2004	8/12/2004	8/12/2004	8/5/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)									
2-Methylnaphthalene (SIM)	<0.028	<0.029	<0.025	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Acenaphthene (SIM)	0.0078 F	<0.029	<0.025	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Acenaphthylene (SIM)	<0.028	<0.029	<0.025	<0.027	<0.026	<0.026	<0.026	0.0038 F	<0.031
Anthracene (SIM)	0.0488	<0.029	<0.025	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Benzo(a)anthracene (SIM)	0.188	<0.029	0.0017 F	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Benzo(a)pyrene (SIM)	0.134	<0.029	<0.025	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Benzo(b)fluoranthene (SIM)	0.239	<0.029	0.0127 F	0.0124 F	<0.026	0.0114 F	<0.026	<0.028	<0.031
Benzo(g,h,i)perylene (SIM)	0.027 F	<0.029	0.0028 F	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Benzo(k)fluoranthene (SIM)	0.0697	<0.029	<0.025	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Chrysene (SIM)	0.182	<0.029	0.0019 F	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Dibenz(a,h)anthracene (SIM)	0.011 F	<0.029	<0.025	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Fluoranthene (SIM)	0.33	<0.029	0.0028 F	0.0031 F	<0.026	0.002 F	<0.026	<0.028	<0.031
Fluorene (SIM)	0.0077 F	<0.029	<0.025	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Indeno(1,2,3-c,d)pyrene (SIM)	0.0306	<0.029	0.002 F	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Naphthalene (SIM)	<0.028	<0.029	<0.025	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Phenanthrene (SIM)	0.116	<0.029	<0.025	<0.027	<0.026	<0.026	<0.026	<0.028	<0.031
Pyrene (SIM)	0.308	<0.029	0.0026 F	0.0028 F	<0.026	0.0018 F	<0.026	<0.028	<0.031
Total Metals (mg/kg)									
Aluminum	12400	NA	3110	2740	2740	2360	4260	5740	NA
Antimony	<11	NA	<10	<11	<10	<10	<10	<11	NA
Arsenic	2 F	NA	1.4 F	1.1 F	1 F	1.1 F	2.1 F	2.7 F	NA
Barium	52.8	NA	18.1	16.6	18.4	18.6	17.9	25.4	NA
Beryllium	<1.1	NA	<1	<1.1	<1	0.011 F	0.017 F	0.039 F	NA
Cadmium	0.16 F	NA	0.27 F	0.088 F	0.12 F	0.13 F	0.017 F	0.078 F	NA
Chromium	93.3	NA	5	3.8	4	4.1	7.6	9.6	NA
Cobalt	19.2	NA	1.1	0.88 F	0.95 F	0.95 F	1.4	1.6	NA
Copper	18.8	NA	9.2	3.3	4.2	4.6	4.6	5.6	NA
Iron	16100	NA	3560	3010	3150	3260	6130 J	7140 J	NA
Lead	15.8	NA	7.6	2.7 F	3.9	4.3	4.5	6.7	NA
Manganese	234	NA	50	39.7	43.7	44.2	40	55.3	NA
Mercury	0.09 F	NA	0.029 F	0.038 F	0.024 F	0.025 F	0.032 F	0.036 F	NA
Molybdenum	0.29 F	NA	0.25 F	0.25 F	0.24 F	0.22 F	0.45 F	0.27 F	NA
Nickel	137	NA	3.3	2.3	2.5	2.4	3.2	4	NA
Selenium	0.16 F	NA	0.4 F	0.38 F	0.15 F	0.36 F	0.52 F	0.55 F	NA
Silver	2	NA	0.24 F	<1.1	<1	0.06 F	<1	<1.1	NA
Thallium	<6.6	NA	<6.1	<6.5	<6.2	<6.1	<6.3	<6.7	NA
Vanadium	24.4	NA	8.2	6.9	7.1	7.3	15.6	18	NA
Zinc	37.3	NA	15.5	5	7.3	8.1	6.1	8.9	NA
Oil and Grease (mg/kg)									
Oil & Grease, total rec	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-EX60	169-EX60	169-EX61	169-EX62	169-EX63	169-EX63	169-EX64	169-EX67	169-EX70
Field Sample ID:	169-EX60-SS0.0	169-EX60A-SS0.0	169-EX61-SS0.0	169-EX62-SS0.0	169-EX437-SS0.0 (FD)	169-EX63-SS0.0	169-EX64-SS0.0	169-EX67-SS0.0	169-EX70-SS0.0
Sample Date:	9/22/2004	10/12/2004	8/11/2004	8/11/2004	8/11/2004	8/11/2004	8/12/2004	8/12/2004	8/5/2004
Sample Depth:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)									
PCB-1016 (Aroclor 1016)	<0.055	NA	<0.051	<0.054	<0.051	<0.051	<0.052	<0.056	NA
PCB-1221 (Aroclor 1221)	<0.055	NA	<0.051	<0.054	<0.051	<0.051	<0.052	<0.056	NA
PCB-1232 (Aroclor 1232)	<0.055	NA	<0.051	<0.054	<0.051	<0.051	<0.052	<0.056	NA
PCB-1242 (Aroclor 1242)	<0.055	NA	<0.051	<0.054	<0.051	<0.051	<0.052	<0.056	NA
PCB-1248 (Aroclor 1248)	<0.055	NA	<0.051	<0.054	<0.051	<0.051	<0.052	<0.056	NA
PCB-1254 (Aroclor 1254)	<0.055	NA	0.0144 F	0.0116 F	<0.051	0.0064 F	0.0051 F	0.0143 F	NA
PCB-1260 (Aroclor 1260)	0.0379 F	NA	<0.051	<0.054	0.0054 F	<0.051	<0.052	<0.056	NA
Total Petroleum Hydrocarbons (mg/kg)									
Diesel Range	NA	NA	NA	NA	NA	NA	NA	NA	NA
Motor oils	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94
Location ID:	169-EX71	169-EX71	169-EX72
Field Sample ID:	169-EX429-SS0.0 (FD)	169-EX71-SS0.0	169-EX72-SS0.0
Sample Date:	8/5/2004	8/5/2004	8/5/2004
Sample Depth:	0.0	0.0	0.0
Polynuclear Aromatic Hydrocarbons (by 8270 SIM) (mg/kg)			
2-Methylnaphthalene (SIM)	NA	NA	NA
Acenaphthene (SIM)	NA	NA	NA
Acenaphthylene (SIM)	NA	NA	NA
Anthracene (SIM)	NA	NA	NA
Benzo(a)anthracene (SIM)	NA	NA	NA
Benzo(a)pyrene (SIM)	NA	NA	NA
Benzo(b)fluoranthene (SIM)	NA	NA	NA
Benzo(g,h,i)perylene (SIM)	NA	NA	NA
Benzo(k)fluoranthene (SIM)	NA	NA	NA
Chrysene (SIM)	NA	NA	NA
Dibenz(a,h)anthracene (SIM)	NA	NA	NA
Fluoranthene (SIM)	NA	NA	NA
Fluorene (SIM)	NA	NA	NA
Indeno(1,2,3-c,d)pyrene (SIM)	NA	NA	NA
Naphthalene (SIM)	NA	NA	NA
Phenanthrene (SIM)	NA	NA	NA
Pyrene (SIM)	NA	NA	NA
Total Metals (mg/kg)			
Aluminum	NA	NA	NA
Antimony	NA	NA	NA
Arsenic	NA	NA	NA
Barium	NA	NA	NA
Beryllium	NA	NA	NA
Cadmium	NA	NA	NA
Chromium	NA	NA	NA
Cobalt	NA	NA	NA
Copper	NA	NA	NA
Iron	NA	NA	NA
Lead	NA	NA	NA
Manganese	NA	NA	NA
Mercury	NA	NA	NA
Molybdenum	NA	NA	NA
Nickel	NA	NA	NA
Selenium	NA	NA	NA
Silver	NA	NA	NA
Thallium	NA	NA	NA
Vanadium	NA	NA	NA
Zinc	NA	NA	NA
Oil and Grease (mg/kg)			
Oil & Grease, total rec	<130	<130	NA

APPENDIX A
TABLE AOC-169-SOIL

SUMMARY OF SOIL ANALYTICAL DATA VANDENBERG AIR FORCE BASE

Reference:	4PTO94	4PTO94	4PTO94
Location ID:	169-EX71	169-EX71	169-EX72
Field Sample ID:	169-EX429-SS0.0 (FD)	169-EX71-SS0.0	169-EX72-SS0.0
Sample Date:	8/5/2004	8/5/2004	8/5/2004
Sample Depth:	0.0	0.0	0.0
Polychlorinated biphenyls (mg/kg)			
PCB-1016 (Aroclor 1016)	NA	NA	NA
PCB-1221 (Aroclor 1221)	NA	NA	NA
PCB-1232 (Aroclor 1232)	NA	NA	NA
PCB-1242 (Aroclor 1242)	NA	NA	NA
PCB-1248 (Aroclor 1248)	NA	NA	NA
PCB-1254 (Aroclor 1254)	NA	NA	NA
PCB-1260 (Aroclor 1260)	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)			
Diesel Range	<13	<13	<12
Motor oils	4.3 F	4.4 F	14.8

APPENDIX A - NOTES

SUMMARY OF CHEMICALS IN SOIL SAMPLES
VANDENBERG AIR FORCE BASE

Units:
mg/kg = milligrams per kilogram

Abbreviations:
AOC = Area of Concern
prelim = Preliminary results from laboratory. Samples not validated at the time of this draft report.
NA = not applicable
ND = Not detected

Qualifiers:
B = The analyte was found in an associated blank, as well as in the sample.
F = The analyte was positively identified, but the quantitation is below the reporting limit.
J = The associated numerical value is an estimated quantity.
M = A matrix effect was present.
R = The data are unusable due to deficiencies in the ability to analyze the sample and meet quality control criteria.

References:
3PDO70 = Delivery Order 0070 (Montgomery Watson Harza, 2003-2004)
4PTO94 = Task Order 0094 (Montgomery Watson Harza, 2004)
TA547 = Task Assignment 547 (Tetra Tech, 1999-2001)

APPENDIX B

CHAIN OF CUSTODY RECORDS

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Norberg (925) 975-3459 (O) & (925) [illegible] 412 (F)

FED EX #: 8430-8836-5763 COOLER #: GSA-2 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE: Matthew Kinyer / [signature]

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER:

PROJECT NUMBER:

ANALYSIS REQUEST / RUSH TAT (check if req.)

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	VOCs (SW8260B)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	TPH - gasoline (SW8015B mod.)	TPH - diesel/motor oil (SW8015B mod.)	PCBs (SW8082)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)			BTV Type*	24-Hr Rush turn Around (Faxed Results)	48-Hr Rush turn Around (Faxed Results)	5-Day Rush turn Around (Faxed Results)	REMARKS:
AOC-169-531	169-531	0.0	0.5	4/20/04	1450	N	1	G	SO	1	G	NA						X									
AOC-169-532	169-532	0.0	0.5	4/20/04	1452	N	1	G	SO	1	G	NA						X									
AOC-169-533	169-533	0.0	0.5	4/20/04	1455	N	1	G	SO	1	G	NA						X									
AOC-169-534	169-534	0.0	0.5	4/20/04	1459	N	1	G	SO	1	G	NA						X									
AOC 169-535	169-535	0.0	0.5	4/20/04	1503	N	1	G	SO	1	G	NA						X									
AOC 169-536	169-536	0.0	0.5	4/20/04	1506	N	1	G	SO	1	G	NA						X									
AOC 169-537	169-537	0.0	0.5	4/20/04	1510	N	1	G	SO	1	G	NA						X									
AOC 169-538	169-538	0.0	0.5	4/20/04	1520	N	1	G	SO	1	G	NA						X									
AOC 169-539	169-539	0.0	0.5	4/20/04	1526	N	1	G	SO	1	G	NA						X									

2683

Comments/Instructions:

Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, B, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	[signature]	Matthew Kinyer	MWH	4/23/04	1700
RECEIVED BY:	[signature]	J. Nano	APCL	4/24/04	1130
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=baller
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) **COPIES: Retained by Sampler, Sent to Office**

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Norberg (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 841692550865 COOLER #: DO 70 - 1 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE: Matthew Ringer / [signature]

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 70

PROJECT NUMBER:

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	VOCs (SW8260B)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	TVPH (Mod SW8015B)	TEPH (Mod SW8015B)	PCBs (SW8082)	Total Metals Soil (SW6010B/SW7471A)	Total Metals Water (SW6010B/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)		BTV Type *	TAT: 24-Hr Rush turn Around (Faxed Results)	5-Day Rush turn Around (Faxed Results)	Standard 15-Day Turn Around	REMARKS:
169-CS95-SS00	~~195-CS~~																										
	169-CS95	0.0	0.0	6/3/03	0900	N	1	CS	SO	1	A	NA						X							X		
169-CS01-SS00	169-CS01	0.0	0.0	6/3/03	1446	N	1	CS	SO	1	A	NA						X							X		
169-CS02-SS00	169-CS02	0.0	0.0	6/3/03	1453	N	1	CS	SO	1	A	NA						X							X		
169-CS05-SS00	169-CS05	0.0	0.0	6/3/03	1500	N	1	CS	SO	1	A	NA						X							X		
169-CS04-SS00	169-CS04	0.0	0.0	6/3/03	1508	N	1	CS	SO	1	A	NA						X							X		
169-CS03-SS00	169-CS03	0.0	0.0	6/3/03	1521	N	1	CS	SO	1	A	NA						X							X		
169-CS10-SS00	169-CS10	0.0	0.0	6/4/03	753	N	1	CS	SO	3	A	NA						X							X	MS/MSD	
169-S95-SS00	169-S95	0.0	0.0	6/4/03	800	N	1	G	SO	1	A	NA						X							X		
169-CS11-SS00	169-CS11	0.0	0.0	6/4/03	802	N	1	CS	SO	1	A	NA						X							X		
169-S89-SS00	169-S89	0.0	0.0	6/4/03	810	N	1	G	SO	1	A	NA						X							X		
169-CS06-SS00	169-CS06	0.0	0.0	6/4/03	909	N	1	CS	SO	1	A	NA						X							X		

3585

Comments/Instructions:

Turn-around time is 15 business days unless otherwise specified.

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	[signature]	Matt Ringer	MWH	6/6/03	1100
RECEIVED BY:	[signature]	Eric Wendland	APCL	6/6/03	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B= P = Plastic, E = Encore sample container
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface wat[illegible]Q=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass,
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Norberg (925) 975-3459 (O) & (925) 975-3412

FED EX #: 841692550865 COOLER #: DO 70-1 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE: Matthew Ringer / [signature]

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 70

PROJECT NUMBER:

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	VOCs (SW8260B)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	TVPH (Mod SW8015B)	TEPH (Mod SW8015B)	PCBs (SW8082)	Total Metals Soil (SW6010B/SW7471A)	Total Metals Water (SW6010B/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)		BTV Type *	24-Hr Rush turn Around (Faxed Results)	5-Day Rush turn Around (Faxed Results)	Standard 15-Day Turn Around	REMARKS:
169-CS07-SS0.0	169-CS07	0.0	0.0	6/4/03	919	N	1	CS	SO	1	A	NA						X							X		
169-CS08-SS0.0	169-CS08	0.0	0.0	6/4/03	922	N	1	CS	SO	1	A	NA						X							X		
169-CS09-SS0.0	169-CS09	0.0	0.0	6/4/03	939	N	1	CS	SO	1	A	NA						X							X		
169-CS12-SS0.0	169-CS12	0.0	0.0	6/4/03	1015	N	1	CS	SO	1	A	NA						X							X		
169-CS13-SS0.0	169-CS13	0.0	0.0	6/4/03	1034	N	1	CS	SO	1	A	NA						X							X		
169-CS14-SS0.0	169-CS14	0.0	0.0	6/4/03	1043	N	1	CS	SO	1	A	NA						X							X		
169-S01-SS0.0	169-S01	0.0	0.0	6/4/03	1325	N	1	G	SO	1	A	NA						X							X		
169-S02-SS0.0	169-S02	0.0	0.0	6/4/03	1335	N	1	G	SO	1	A	NA						X							X		
169-S03-SS0.0	169-S03	0.0	0.0	6/4/03	1340	N	1	G	SO	1	A	NA						X							X		
169-S04-SS0.0	169-S04	0.0	0.0	6/4/03	1343	N	1	G	SO	1	A	NA						X							X		
169-S05-SS0.0	169-S05	0.0	0.0	6/4/03	1350	N	1	G	SO	1	A	NA						X							X		
169-S06-SS0.0	169-S06	0.0	0.0	6/4/03	1358	N	1	G	SO	1	A	NA						X							X		

3585

Comments/Instructions:

Turn-around time is 15 business days unless otherwise specified.

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	[signature]	Matt Ringer	MWH	6/5/03	1100
RECEIVED BY:	[signature]	Eric Wendland	APCL	6/6/03	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): i
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B= P = Plastic, E = Encore sample container
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass,
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) **COPIES: Retained by Sampler, Sent to Office**

MWH **CHAIN OF CUSTODY RECORD** MWH CONTACT PERSON: Kristin Norberg (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 841692550865 COOLER #: D070-1 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Matthew Ringer / [signature]

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 70

PROJECT NUMBER:

ANALYSIS REQUEST TAT

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	VOCs (SW8260B)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	TVPH (Mod SW8015B)	TEPH (Mod SW8015B)	PCBs (SW8082)	Total Metals Soil (SW6010B/SW7471A)	Total Metals Water (SW6010B/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)		BTV Type *	24-Hr Rush turn Around (Faxed Results)	5-Day Rush turn Around (Faxed Results)	Standard 15-Day Turn Around	REMARKS:
169-S07-SS0.0	169-S07	0.0	0.0	6/4/03	1403	N	1	G	SO	1	A	NA						X							X		
169-S08-SS0.0	169-S08	0.0	0.0	6/4/03	1410	N	1	G	SO	1	A	NA						X							X		
169-S09-SS0.0	169-S09	0.0	0.0	6/4/03	1414	N	1	G	SO	3	A	NA						X							X		MS/MSD
169-S10-SS0.0	169-S10	0.0	0.0	6/4/03	1419	N	1	G	SO	1	A	NA						X							X		
169-S11-SS0.0	169-S11	0.0	0.0	6/4/03	1422	N	1	G	SO	1	A	NA						X							X		
169-S12-SS0.0	169-S12	0.0	0.0	6/4/03	1424	N	1	G	SO	1	A	NA						X							X		
169-CS15-SS0.0	169-CS15	0.0	0.0	6/5/03	0745	N	1	GS	SO	1	A	NA						X							X		
169-CS16-SS0.0	169-CS16	0.0	0.0	6/5/03	0750	N	1	CS	SO	1	A	NA						X							X		
169-S20-SS0.0	169-S20	0.0	0.0	6/5/03	755	N	1	G	SO	1	A	NA						X							X		
169-S21-SS0.0	169-S21	0.0	0.0	6/5/03	800	N	1	G	SO	1	A	NA						X							X		
169-S13-SS0.0	169-S13	0.0	0.0	6/5/03	805	N	1	G	SO	1	A	NA						X							X		
169-S14-SS0.0	169-S14	0.0	0.0	6/5/03	810	N	1	G	SO	1	A	NA						X							X		

3585

Comments/Instructions:

Turn-around time is 15 business days unless otherwise specified.

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	[signature]	Matt Ringer	MWH	6/5/03	1100
RECEIVED BY:	[signature]	ERIC WENDLAND	APCL	6/6/03	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B= P = Plastic, E = Encore sample container
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass,
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) COPIES: Retained by Sampler, Sent to Office

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Norberg (925) 975-3459 (O) & (925) 975-3412

FED EX #: 841692550865 COOLER #: DO20-1 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE: Matthew Ringier / Matt Ringier

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 70

PROJECT NUMBER:

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	VOCs (SW8260B)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	TVPH (Mod SW8015B)	TEPH (Mod SW8015B)	PCBs (SW8082)	Total Metals Soil (SW6010B/SW7471A)	Total Metals Water (SW6010B/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)		BTV Type *	24-Hr Rush turn Around (Faxed Results)	5-Day Rush turn Around (Faxed Results)	Standard 15-Day Turn Around	REMARKS:
169-S15-SS0.0	169-S15	0.0	0.0	6/5/03	815	N	1	G	SO	1	A	NA						X							X		
169-S16-SS0.0	169-S16	0.0	0.0	6/5/03	819	N	1	G	SO	1	A	NA						X							X		
169-S17-SS0.0	169-S17	0.0	0.0	6/5/03	829	N	1	G	SO	1	A	NA						X							X		
169-S18-SS0.0	169-S18	0.0	0.0	6/5/03	831	N	1	G	SO	1	A	NA						X							X		
169-S19-SS0.0	169-S19	0.0	0.0	6/5/03	834	N	1	G	SO	1	A	NA						X							X		

3585

Comments/Instructions:

Turn-around time is 15 business days unless otherwise specified.

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Matt Ringier	Matt Ringier	MWH	6/5/03	1100
RECEIVED BY:	Eric Wendland	Eric Wendland	APCL	6/6/03	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B= P = Plastic, E = Encore sample container
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass,
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) **COPIES: Retained by Sampler, Sent to Office**

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Norberg (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8391-3813-1537 COOLER #: 1 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE: Matthew Ringer / [signature]

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: DO 70

PROJECT NUMBER: 4230009

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	VOCs (SW8260B)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	TVPH (Mod SW8015B)	TEPH (Mod SW8015B)	PCBs (SW8082)	Total Metals Soil (SW6010B/SW7471A)	Total Metals Water (SW6010B/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)		BTV Type [a]	24-Hr Rush turn Around (Faxed Results)	5-Day Rush turn Around (Faxed Results)	Standard 15-Day Turn Around	REMARKS:
169-525-0.0	169-525	0.0	0.0	7/3/03	958	N	1	G	SO	1	A	NA						X									
169-522-0.0	169-522	0.0	0.0	7/3/03	948	N	1	G	SO	1	A	NA						X									
169-523-0.0	169-523	0.0	0.0	7/3/03	952	N	1	G	SO	1	A	NA						X									
169-524-0.0	169-524	0.0	0.0	7/3/03	955	N	1	G	SO	1	A	NA						X									
169-526-0.0	169-526	0.0	0.0	7/3/03	1001	N	1	G	SO	1	A	NA						X									
169-527-0.0	169-527	0.0	0.0	7/3/03	1004	N	1	G	SO	1	A	NA						X									
169-528-0.0	169-528	0.0	0.0	7/3/03	1007	N	1	G	SO	1	A	NA						X									
~~169-507-1.0~~	~~169-507~~	~~0.5~~	~~1.0~~	~~7/3/03~~	~~1020~~																						
169-507-1.0	169-507	0.5	1.0	7/3/03	1033	N	1	G	SO	1	A	NA						X									
169-529-0.0	169-529	0.0	0.0	7/3/03	1038	N	1	G	SO	1	A	NA						X									
169-530-0.0	169-530	0.0	0.0	7/3/03	1049	N	1	G	SO	1	A	NA						X									

ANALYSIS REQUEST TAT

1072

Comments/Instructions:

Turn-around time is 15 business days unless otherwise specified.

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

[a] SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	[signature]	Matt Ringer	MWH	7/3/03	1000
RECEIVED BY:	[signature]	Eric Wendland	[signature]	7/3/03	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for
ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B= P = Plastic, E = Encore sample container
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface wate water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass,
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

GINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MW

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412

FED Ex #: 8430 8836 5009 COOLER #: 70-080404-u. LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Matt Young Matt
Scott Emerson Price Scott EP

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 311 Do 70

PROJECT NUMBER: 4230009

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs			BTV Type*	RUSH TAT	REMARKS:
169-EX87-SS0.0	169-EX87	0.0	0.0	8/4/04	1305	N	1	CS	SO	1	A	NA					X	X			X				5-day	
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

3965

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Matt	Matt Young	MWH	8/4/04	1700
RECEIVED BY:		Tason Nard	APCL	8/5/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) COPIES: Retained by Sampler, Sent to Office

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8430 8836 5009 COOLER #: 70-080404-01 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Scott Emerson-Price Scott E Price

Matt Young Matt Young

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 3P+ 0070

PROJECT NUMBER: 4230009

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs			BTV Type*	RUSH TAT	REMARKS:
169-EX01-SS0.0	169-EX01	0.0	0.0	8/4/04	0905	N	1	CS	SO	1	A	NA					X	X			X				5-day	
169-EX02-SS0.0	169-EX02	0.0	0.0		0918	N	1	CS	SO	1	A	NA					X	X			X				5-day	
169-EX03-SS0.0	169-EX03	0.0	0.0		0920	N	1	CS	SO	1	A	NA					X	X			X				5-day	
169-EX97-SS0.0	169-EX97	0.0	0.0		0920	N	1	CS	SO	1	A	NA					X	X			X				5-day	
169-EX04-SS0.0	169-EX04	0.0	0.0		0934	N	1	CS	SO	1	A	NA					X	X			X				5-day	
169-EX05-SS0.0	169-EX05	0.0	0.0		0935	N	1	CS	SO	3	A	NA					X	X			X				5-day	MS/MSD
169-EX06-SS0.0	169-EX06	0.0	0.0		0954	N	1	CS	SO	1	A	NA					X	X			X				5-day	
169-EX07-SS0.0	169-EX07	0.0	0.0		1010	N	1	CS	SO	1	A	NA					X	X			X				5-day	
169-EX08-SS0.0	169-EX08	0.0	0.0		1025	N	1	CS	SO	1	A	NA					X	X			X				5d	
169-EX09-SS0.0	169-EX09	0.0	0.0		1030	N	1	CS	SO	1	A	NA					X	X			X				5d	
169-EX10-SS0.0	169-EX10	0.0	0.0		1236	N	1	CS	SO	1	A	NA					X	X			X				5d	
169-EX11-SS0.0	169-EX11	0.0	0.0		1238	N	1	CS	SO	1	A	NA					X	X			X				5d	
169-EX12-SS0.0	169-EX12	0.0	0.0		1247	N	1	CS	SO	1	A	NA					X	X			X				5d	
169-EX13-SS0.0	169-EX13	0.0	0.0	↓	1305	N	1	CS	SO	1	A	NA					X	X			X				5d	

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified. TEMP BLANK IN COOLER

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

3965

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Matt Young	Matt Young	MWH	8/4/04	1700
RECEIVED BY:		Jason Nardo	APCL	8/5/04	0800
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MW

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FEL #: 8436 8836 5010 COOLER #: 70-08-05-04 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendlar

SAMPLER(S) PRINTED NAME AND SIGNATURE

Matt Young Matt
Scott Emerson Price Scott E-P.

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: ~~423009~~ 3P + DO 70

PROJECT NUMBER: 423009

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)				BTV Type*	RUSH TAT	REMARKS:
169-SP03 comp	169-SP03	0.0	0.0	08/05/04	1510	N	i	CS	SO	7	A/EC	NA	X	X	X	X		X							48hr	
						N	1																			
						N	i																			
						N	i																			
						N	1																			
						N	i																			
						N	1																			
						N	i																			
						N	i																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	i																			

Comments/Instructions: **Turn-around time is 15 business days unless otherwise specified.**

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

3976

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Matt	Matt Young	MWH	8/5/04	1700
RECEIVED BY:		Jason Nichols		8/6/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): i
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8430 8836 5010 COOLER #: 70-080504-01 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Matt Young Matt
Scott Emerson-Price Scott E R

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 8PA 00 70

PROJECT NUMBER: 423000 9

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs	Oil & Grease		BTV Type*	RUSH TAT	REMARKS:
169-EX14-SS0.0	169-EX14	0.0	0.0	8-5-04	0855	N	i	CS	SO	1	A	NA					X	X			X				5day	
169-EX15-SS0.0	169-EX15	0.0	0.0		0900	N	i	CS	SO	1	A	NA					X	X			X					
169-EX70-SS0.0	169-EX70	0.0	0.0		0905	N	i	G	SO	1	A	NA					X									
169-EX71-SS0.0	169-EX71	0.0	0.0		0915	N	i	G	SO	3	A	NA			X							X				MS/MSD
169-EX429-SS0.0	169-EX429	0.0	0.0		0915	N	i	G	SO	1	A	NA			X							X				
169-EX72-SS0.0	169-EX72	0.0	0.0		0920	N	i	G	SO	1	A	NA			X											
169-EX58-SS0.0	169-EX58	0.0	0.0		0956	N	i	CS	SO	1	A	NA					X	X			X					
169-EX24-SS0.0	169-EX24	0.0	0.0		1055	N	i	CS	SO	1	A	NA					X	X			X					
169-EX477-SS0.0	169-EX477	0.0	0.0		1400	N	i	CS	SO	1	A	NA					X	X			X					
169-EX23-SS0.0	169-EX23	0.0	0.0		1400	N	i	CS	SO	1	A	NA					X	X			X					
169-EX22-SS0.0	169-EX22	0.0	0.0		1420	N	i	CS	SO	1	A	NA					X	X			X					
169-SP01-COMP	169-SP01	0.0	0.0		1440	N	i	CS	SO	7	A/EC	NA	X	X	X	X		X							48hr	
169-SP02-COMP	169-SP02	0.0	0.0		1435	N	i	CS	SO	7	A/EC	NA	X	X	X	X		X							48hr	
169-SP03-Comp	169-SP03	0.0	0.0		1510	N	i	CS	SO	7	A/EC	NA	X	X	X	X		X							48hr	

3976

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Matt	Matt Young	MWH	8/6/04	1700
RECEIVED BY:		Jason N.	APCL	8/6/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): i
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

M

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-341

FED EX #: 8430 8836 5010 COOLER #: 70-080504-01 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Matt Young Matt Young

Scott Emerson Price Scott E Ri

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 3PA DC 70

PROJECT NUMBER: 4230009

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs	Oil & Grease		BTV Type*	RUSH TAT	REMARKS:
169-EX14-SS0.0	169-EX14	0.0	0.0	8-5-04	0855	N	1	CS	SO	1	A	NA					X	X			X				5-day	
169-EX15-SS0.0	169-EX15	0.0	0.0		0900	N	1	CS	SO	1	A	NA					X	X			X					
169-EX70-SS0.0	169-EX70	0.0	0.0		0905	N	1	G	SO	1	A	NA					X									
169-EX71-SS0.0	169-EX71	0.0	0.0		0915	N	1	G	SO	3	A	NA			X							X				MS/MSD
169-EX429-SS0.0	169-EX429	0.0	0.0		0915	N	1	G	SO	1	A	NA			X							X				
169-EX72-SS0.0	169-EX72	0.0	0.0		0920	N	1	G	SO	1	A	NA			X											
169-EX58-SS0.0	169-EX58	0.0	0.0		0956	N	1	CS	SO	1	A	NA					X	X			X					
169-EX24-SS0.0	169-EX24	0.0	0.0		1055	N	1	CS	SO	1	A	NA					X	X			X					
169-EX477-SS0.0	169-EX477	0.0	0.0		1400	N	1	CS	SO	1	A	NA					X	X			X					
169-EX23-SS0.0	169-EX23	0.0	0.0		1400	N	1	CS	SO	1	A	NA					X	X			X					
169-EX22-SS0.0	169-EX22	0.0	0.0		1420	N	1	CS	SO	1	A	NA					X	X			X					
169-SP01-COMP	169-SP01	0.0	0.0		1440	N	1	CS	SO	7	A/EC	NA	X	X	X	X		X							48hr	
169-SP02-COMP	169-SP02	0.0	0.0		1435	N	1	CS	SO	7	A/EC	NA	X	X	X	X		X							48hr	
169-SP03 Comp	169-SP03	0.0	0.0		1510	N	1	CS	SO	7	A/EC	NA	X	X	X	X		X							48hr	

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

4083 3976

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Matt Young	Matt Young	MWH	8/6/04	1700
RECEIVED BY:		Jason M.	APCL	8/6/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8436 8836 6010 COOLER #: 70-080104-01 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Matt Young Matt
Scott Emmi Price

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 3P4 DC 70

PROJECT NUMBER: 473000.9

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs	Oil & Grease		BTV Type*	RUSH TAT	REMARKS:
169-EX14-SS0.0	169-EX14	0.0	0.0	8-5-04	0855	N	1	CS	SO	1	A	NA					X	X			X				5-day	
169-EX15-SS0.0	169-EX15	0.0	0.0		0900	N	1	CS	SO	1	A	NA					X	X			X					
169-EX70-SS0.0	169-EX70	0.0	0.0		0905	N	1	G	SO	1	A	NA					X									
169-EX71-SS0.0	169-EX71	0.0	0.0		0915	N	1	G	SO	3	A	NA			X							X				MS/MSD
169-EX429-SS0.0	169-EX429	0.0	0.0		0915	N	1	G	SO	1	A	NA			X							X				
169-EX72-SS0.0	169-EX72	0.0	0.0		0920	N	1	G	SO	1	A	NA			X											
169-EX58-SS0.0	169-EX58	0.0	0.0		0956	N	1	CS	SO	1	A	NA					X	X			X					
169-EX24-SS0.0	169-EX24	0.0	0.0		1005	N	1	CS	SO	1	A	NA					X	X			X					
169-EX477-SS0.0	169-EX477	0.0	0.0		1400	N	1	CS	SO	1	A	NA					X	X			X					
169-EX23-SS0.0	169-EX23	0.0	0.0		1400	N	1	CS	SO	1	A	NA					X	X			X					
169-EX22-SS0.0	169-EX22	0.0	0.0		1420	N	1	CS	SO	1	A	NA					X	X			X					
169-SP01-COMP	169-SP01	0.0	0.0		1440	N	1	CS	SO	7	A/EC	NA	X	X	X	X		X							48hr	
169-SP02-COMP	169-SP02	0.0	0.0		1435	N	1	CS	SO	7	A/EC	NA	X	X	X	X		X							48hr	
169-SP03 Comp	169-SP03	0.0	0.0		1510	N	1	CS	SO	9	A/EC	NA	X	X	X			X							48 hr	

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

4164

~~4083 3976~~

JN 8/23/04

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Matt	Matt Young	MWH	8/6/04	1700
RECEIVED BY:		Jason	APCL	8/6/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

M'

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412

FED EX #: 8430 8836 5031 COOLER #: 70-080904-01 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE: Matt Young

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 3P+00 70.

PROJECT NUMBER: 4230009

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs			BTV Type*	RUSH TAT	REMARKS:
169-Ex 25-SS 0.0	169-Ex 25	0.0	0.0	8/9/04	1008	N	1	CS	30	3	A	NA					X	X			X				5-day	MS/MSD
169-Ex 26-SS 0.0	169-Ex 26	0.0	0.0	↓	1025	N	1	CS	50	1	A	NA					X	X			X				5-day	
169-Ex 59-SS 0.0	169-Ex 59	0.0	0.0	↓	1040	N	1	CS	50	1	A	NA					X	X			X				5-day	
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			

4016

Comments/Instructions: **Turn-around time is 15 business days unless otherwise specified.** TEMP BLANK IN COOLER

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Matt	Matt Young	MWH	8/9/04	1600
RECEIVED BY:		Jason Narro	APCL	8/10/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): i
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) **COPIES: Retained by Sampler, Sent to Office**

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8430 8836 5086 COOLER #: 70-081304-01 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Matt Young

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 3P+D070

PROJECT NUMBER: 4230009

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs			BTV Type*	RUSH TAT	REMARKS:
169-EX63-550.0	169-EX63	0.0	0.0	8/11/04	1315	N	1	6	SO	1	A	NA					X	X			X				5-day	
169-EX437-550.0	169-EX437	0.0	0.0		1200	N	1	6	SO	1	A	NA					X	X			X				5-day	
169-EX61-550.0	169-EX61	0.0	0.0		1310	N	1	6	SO	1	A	NA					X	X			X				5-day	
169-EX62-550.0	169-EX62	0.0	0.0		1325	N	1	6	SO	1	A	NA					X	X			X				5-day	
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			

4080 4079

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified. TEMP BLANK IN COOLER

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:		Matt Hooper	MWH	8/13/04	1000
RECEIVED BY:		Kenny Chan	APCL	8/14/04	1115
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MW

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F

FED Ex #: 8430 8836 5053 COOLER #: 70-081 04-0. LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Matt Young Matt Young

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 3P+ 00 70

PROJECT NUMBER: 4230009

4079

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs		BTV Type*	RUSH TAT	REMARKS:
169-EX48-SS0.0	169-EX48	0.0	0.0	8/12/04	1335	N	1	CS	SO	1	A	NA					X	X			X			5 day	
169-EX47-CS0.0	169-EX47	0.0	0.0		1345	N	1	CS	SO	1	A	NA					X	X			X				
169-EX46-CS0.0	169-EX46	0.0	0.0		1415	N	1	CS	SO	1	A	NA					X	X			X				
169-EX45-SS0.0	169-EX45	0.0	0.0		1422	N	1	CS	SO	3	A	NA					X	X			X				MS/MSD
169-EX64-SS0.0	169-EX64	0.0	0.0		1437	N	1	CS	SO	1	A	NA					X	X			X				MS/MSD
169-EX67-SS0.0	169-EX67	0.0	0.0		1450	N	1	CS	SO	1	A	NA					X	X			X				
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		

Comments/Instructions: **Turn-around time is 15 business days unless otherwise specified.**

TEMP Blank In Cooler

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Ti, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Matt Young	Matt Young	MWH	8/12/04	1800
RECEIVED BY:		Jason Nario	APCL	8/13/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8430 8836 5053 COOLER #: 70-0812 04 -01 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Matt Young

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 3PT D070

PROJECT NUMBER: 4230009

4079

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs			BTV Type*	RUSH TAT	REMARKS:
169-Ex 63-SS 0.0	169-Ex 63	0.0	0.0	8/11/04	1315	N	1	G	SO	1	A	NA					X	X			X				5-day	
169-Ex 437-SS 0.0	169-Ex 437	0.0	0.0		1200	N	1	G	SO	1	A	NA					X	X			X				5-day	
169-Ex 61-SS 0.0	169-Ex 61	0.0	0.0		1320	N	1	G	SO	1	A	NA					X	X			X				5-day	
169-Ex 62-CS 0.0	169-Ex 62	0.0	0.0		1325	N	1	G	SO	1	A	NA					X	X			X				5-day	
169-Ex 57-SS 0.0	169-Ex 57	0.0	0.0	8/12/04	0925	N	1	CS	SO	1	A	NA					X	X			X					
169-Ex 56-SS 0.0	169-Ex 56	0.0	0.0		0930	N	1	CS	SO	1	A	NA					X	X			X					
169-Ex 55-SS 0.0	169-Ex 55	0.0	0.0		1000	N	1	CS	SO	1	A	NA					X	X			X					
169-Ex 54-SS 0.0	169-Ex 54	0.0	0.0		1000	N	1	CS	SO	1	A	NA					X	X			X					
169-Ex 53-SS 0.0	169-Ex 53	0.0	0.0		1055	N	1	CS	SO	1	A	NA					X	X			X					
169-Ex 447-SS 0.0	169-Ex 447	0.0	0.0		0800	N	1	CS	SO	1	A	NA					X	X			X					
169-Ex 52-SS 0.0	169-Ex 52	0.0	0.0		1115	N	1	CS	SO	1	A	NA					X	X			X					
169-Ex 51-SS 0.0	169-Ex 51	0.0	0.0		1129	N	1	CS	SO	1	A	NA					X	X			X					
169-Ex 50-SS 0.0	169-Ex 50	0.0	0.0		1315	N	1	CS	SO	1	A	NA					X	X			X					
169-Ex 49-SS 0.0	169-Ex 49	0.0	0.0		1325	N	1	CS	SO	1	A	NA					X	X			X					

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified. TEMP BLANK IN COOLER

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Matt Young	Matt Young	MWH	08/12/04	1800
RECEIVED BY:		Jason Nario	APCL	8/13/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MY

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412

FED EX #: Air Bill 8457 9387 6044 COOLER #: 090204-01 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Joseph Plummer
Scott Emerson Price

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: JP DO 70

PROJECT NUMBER: 4230009.70010702

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCB's			BTV Type*	RUSH TAT	REMARKS:
169-EX04A-SS0.0	169-EX04A	0	0	9/2/04	0945	N	1	CS	SO	1	A	NA									X				5-day	
169-EX44-SS0.0	169-EX44	0	0	9/2/04	1010	N	1	CS	SO	1	A	NA									X				5-day	
						N	1																			
						N	1																			
						N	1																			
						N	1																			
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						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			

NFE

4351

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified. Temp Blank TB-090204 in cooler.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:		Joseph Plummer	MWH	9/2/04	1630
RECEIVED BY:		Jaclan Nario	APCL	9/3/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8457 9387 6099 COOLER #: 01 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Scott Emerson Price
Scott E Price

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: D070 - 3P

PROJECT NUMBER: 423 0009

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PC Bs	Fe, Pb	Mn	BTV Type*	RUSH TAT	REMARKS:
169-EX07A-SS0.0	169-EX07	0	0	9-17-04	935	N	1	CS	SO	1	A	NA									X				5-d	
169-EX12A-SS0.0	169-EX12				945	N	1	CS	SO	1	A	NA									X					
169-EX13A-SS0.0	169-EX13				1020	N	1	CS	SO	1	A	NA					X				X					
169-EX487A-SS0.0	169-EX487				1020	N	1	CS	SO	1	A	NA					X				X					
169-EX11A-SS0.0	169-EX11				1030	N	1	CS	SO	1	A	NA									X					
169-EX10A-SS0.0	169-EX10				1045	N	1	CS	SO	1	A	NA					X				X	X	X			
169-EX15A-SS0.0	169-EX15				1055	N	1	CS	SO	1	A	NA					X				X	X				
169-EX14A-SS0.0	169-EX14				1105	N	1	CS	SO	1	A	NA					X				X					
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			

4577

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Scott E Price	Scott Emerson Price	MWH	9-17-04	1500
RECEIVED BY:	Fed Ex				
RELINQUISHED BY:					
RECEIVED BY:	[illegible]	Kenny Chan	APCL	9/18/04	0945

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) COPIES: Retained by Sampler, Sent to Office

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F

FED EX #: 8457 9387 6/03 COOLER #: 092104-01 LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE: Joseph Plummer

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 3PDO70

PROJECT NUMBER: 4230009.7001/0702

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs		BTV Type*	RUSH TAT	REMARKS:
169-EX31-SS0.0	169-EX31	0	0	9/21/04	1300	N	1	CS	SO	1	A	NA									X			5day	
169-EX30-SS0.0	169-EX30	0	0	9/21/04	1320	N	1	CS	SO	1	A	NA									X			5day	
						N	1																		
						N	1																		
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						N	1																		
						N	1																		

4609

NFE

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified. Temp Blank in Cooler.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:		Joseph Plummer	MWH	9/21/04	1400
RECEIVED BY:		Eric Wendland	APCL	9/22/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) COPIES: Retained by Sampler, Sent to Office

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8457 9387 6114 COOLER #: A LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Thomas Smith

Thomas Smith

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: T094

PROJECT NUMBER: 1950974.70010702

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCB's			BTV Type*	RUSH TAT	REMARKS:
169-Ex36-SS0.0	169-Ex	0	0	9.22.04	1010	N	1	DT	SO	1	A	NA									X				5-day	
169-Ex35-SS0.0	169-Ex	0	0	9.22.04	1015	N	1	DT	SO	1	A	NA									X				5-day	
169-Ex32-SS0.0	169-Ex	0	0	9.22.04	1045	N	1	DT	SO	1	A	NA									X				5-day	
169-Ex29-SS0.0	169-Ex	0	0	9.22.04	1100	N	1	DT	SO	1	A	NA									X				5-day	
169-Ex60-SS0.0	169-Ex	0	0	9.22.04	1330	N	1	DT	SO	1	A	NA									X				5-day	
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			

9.22.04

4651

Comments/Instructions: **Turn-around time is 15 business days unless otherwise specified.**

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Thomas Smith	Thomas Smith	MWH	9.22.04	1700
RECEIVED BY:		Jason Nario	APCL	9/23/04	1050
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) **COPIES: Retained by Sampler, Sent to Office**

MI

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3417

FED EX #: 9457 9387 6125 COOLER #: A

LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Thomas Smith

Thomas Smith

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: T094

PROJECT NUMBER: 1950974.70010702

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCB's		BTV Type*	RUSH TAT	REMARKS:
169-Ex467-SS0.0	169-Ex	0	0	9.23.04	0800	N	1	DT	SO	1	A	NA									X			5-day	
169-Ex38-SS0.0	169-Ex	0	0	9.23.04	0840	N	1	DT	SO	1	A	NA									X			5-day	
169-Ex37-SS0.0	169-Ex	0	0	9.23.04	0900	N	1	DT	SO	1	A	NA									X			5-day	
169-Ex28-SS0.0	169-Ex	0	0	9.23.04	0920	N	1	DT	SO	1	A	NA									X			5-day	
169-Ex33-SS0.0	169-Ex	0	0	9.23.04	0945	N	1	DT	SO	1	A	NA									X			5-day	
169-Ex34-SS0.0	169-Ex	0	0	9.23.04	1005	N	1	DT	SO	1	A	NA									X			5-day	
						N	1																		
						N	1																		
						N	1																		
						N	1																		
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						N	1																		
						N	1																		

4656

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

Temp blank included in cooler

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Thomas Smith	Thomas Smith	MWH	9/23/04	1600
RECEIVED BY:		Jason Nunio	APCL	9/24/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8457 9387 6320 COOLER #: A LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Thomas Smith

Thomas Smith

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: T094

PROJECT NUMBER: 1950974.70010702

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCB's		BTV Type*	RUSH TAT	REMARKS:
169-EX47A-SS0.0	169-EX47A	0	0	9.24.04	0800	N	1	CS	SO	1	A	NA									X			5-day	
169-EX25A-SS0.0	169-EX25A	0	0	9.24.04	0845	N	1	CS	SO	1	A	NA									X			5-day	
169-EX25A-SS0.0MS	169-EX25A	0	0	9.24.04	0845	N	1	CS	SO	1	A	NA									X			5-day	MS
169-EX25A-SS0.0MSD	169-EX25A	0	0	9.24.04	0845	N	1	CS	SO	1	A	NA									X			5-day	MSD
169-EX26A-SS0.0	169-EX26A	0	0	9.24.04	0930	N	1	CS	SO	1	A	NA									X			5-day	
169-EX27-SS0.0	169-EX27	0	0	9.24.04	0950	N	1	CS	SO	1	A	NA									X			5-day	
169-EX47A-SS0.0	169-EX47A	0	0	9.24.04	1150	N	1	CS	SO	1	A	NA									X			5-day	
169-EX24A-SS0.0	169-EX24A	0	0	9.24.04	1010	N	1	CS	SO	1	A	NA									X			5-day	
169-EX19-SS0.0	169-EX19	0	0	9.24.04	1030	N	1	CS	SO	1	A	NA									X			5-day	
169-EX18-SS0.0	169-EX18	0	0	9.24.04	1050	N	1	CS	SO	1	A	NA									X			5-day	
169-EX51A-SS0.0	169-EX51A	0	0	9.24.04	1105	N	1	CS	SO	1	A	NA									X			5-day	
169-EX49A-SS0.0	169-EX49A	0	0	9.24.04	1125	N	1	CS	SO	1	A	NA									X			5-day	
169-EX48A-SS0.0	169-EX48A	0	0	9.24.04	1140	N	1	CS	SO	1	A	NA									X			5-day	
						N	1																		

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

4681

Temp blank included in cooler

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Thomas Smith	Thomas Smith	MWH	9/24/04	1500
RECEIVED BY:		Eric Wendland	APCL	9/27/04	1220
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

M.

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-34

FED EX #: 8457 9387 6320 COOLER #: A LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Thomas Smith

Thomas Smith

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: T094

PROJECT NUMBER: 1950974.70010702

4826

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCB's		BTV Type*	RUSH TAT	REMARKS:
169-EX47A-SS0.0	169-EX47A	0	0	9.24.04	0800	N	1	CS	SO	1	A	NA									X			5-day	
169-EX25A-SS0.0	169-EX25A	0	0	9.24.04	0845	N	1	CS	SO	1	A	NA									X			5-day	
169-EX25A-SS0.0MS	169-EX25A	0	0	9.24.04	0845	N	1	CS	SO	1	A	NA									X			5-day	MS
169-EX25A-SS0.0MSD	169-EX25A	0	0	9.24.04	0845	N	1	CS	SO	1	A	NA									X			5-day	MSD
169-EX26A-SS0.0	169-EX26A	0	0	9.24.04	0930	N	1	CS	SO	1	A	NA									X			5-day	
169-EX27-SS0.0	169-EX27	0	0	9.24.04	0950	N	1	CS	SO	1	A	NA									X			5-day	
169-EX47A-SS0.0	169-EX47A	0	0	9.24.04	1150	N	1	CS	SO	1	A	NA									X			5-day	
169-EX24A-SS0.0	169-EX24A	0	0	9.24.04	1010	N	1	CS	SO	1	A	NA									X			5-day	
169-EX19-SS0.0	169-EX19	0	0	9.24.04	1030	N	1	CS	SO	1	A	NA									X			5-day	
169-EX18-SS0.0	169-EX18	0	0	9.24.04	1050	N	1	CS	SO	1	A	NA									X			5-day	
169-EX51A-SS0.0	169-EX51A	0	0	9.24.04	1105	N	1	CS	SO	1	A	NA									X			5-day	
169-EX49A-SS0.0	169-EX49A	0	0	9.24.04	1125	N	1	CS	SO	1	A	NA									X			5-day	
169-EX48A-SS0.0	169-EX48A	0	0	9.24.04	1140	N	1	CS	SO	1	A	NA									X			5-day	
						N	1																		

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

~~4681~~ JN w/8/04

Temp blank included in cooler

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Thomas Smith	Thomas Smith	MWH	9/24/04	1500
RECEIVED BY:		Eric Wendland	APCL	9/27/04	1220
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MWH 8457 9387 6226 **CHAIN OF CUSTODY RECORD**

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8457 9387 6261 COOLER #: A LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Thomas Smith

Thomas Smith

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 4PT0-94

PROJECT NUMBER: 1950974

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCB's		BTV Type*	RUSH TAT	REMARKS:
169-Ex39-SS0.0	169-Ex39	0.0	0.0	9.28.04	1300	N	1	CS	SO	1	A	NA					X	X			X			5-day	
169-Ex39-SS0.0MS	169-Ex39	0.0	0.0	9.28.04	1300	N	1	CS	SO	1	A	NA					X	X			X			5-day	
169-Ex39-SS0.0MSD	169-Ex39	0.0	0.0	9.28.04	1300	N	1	CS	SO	1	A	NA					X	X			X			5-day	
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		

4710

Comments/Instructions: **Turn-around time is 15 business days unless otherwise specified.**

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater) Temp Blank

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Thomas Smith	Thomas Smith	MWH	9.28.04	1500
RECEIVED BY:		Jason Nario	APCL	9/29/04	0900
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) **COPIES: Retained by Sampler, Sent to Office**

M'

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3417

FED EX #: 845793876250 COOLER #: A LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Thomas Smith

Thomas Smith

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: TO-94

PROJECT NUMBER: 1950974

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs		BTV Type*	RUSH TAT	REMARKS:
169-Ex457-SS0.0	169-Ex457	0.0	0.0	9.29.04	0730	N	1	CS	SO	1	A	NA					X	X			X			5-day	
169-Ex40-SS0.0	169-Ex40	0.0	0.0	9.29.04	0745	N	1	CS	SO	1	A	NA					X	X			X			5-day	
169-Ex41-SS0.0	169-Ex41	0.0	0.0	9.29.04	0800	N	1	CS	SO	1	A	NA					X	X			X			5-day	
169-Ex42-SS0.0	169-Ex42	0.0	0.0	9.29.04	0830	N	1	CS	SO	1	A	NA					X	X			X			5-day	
169-Ex43-SS0.0	169-Ex43	0.0	0.0	9.29.04	0900	N	1	CS	SO	1	A	NA					X	X			X			5-day	
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		

4731

Comments/Instructions: **Turn-around time is 15 business days unless otherwise specified.**

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater) Temp blank included in cooler

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Thomas Smith	Thomas Smith	MWH	9.29.04	1500
RECEIVED BY:		Jason Nano	APCL	9/30/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) **COPIES: Retained by Sampler, Sent to Office**

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8457 9387 6261 COOLER #: A LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Thomas Smith

Thomas Smith

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: TO-94

PROJECT NUMBER: 1950974

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PLRs		BTV Type*	RUSH TAT	REMARKS:
169-EX14A-SS0.0	169-EX14A	0.0	0.0	9.30.04	1200	N	1	CS	SO	1	A	NA					X	X			X			5-day	
169-EX16-SS0.0	169-EX16	0.0	0.0	9.30.04	0830	N	1	CS	SO	1	A	NA					X	X			X			5-day	
169-EX20-SS0.0	169-EX20	0.0	0.0	9.30.04	0915	N	1	CS	SO	1	A	NA					X	X			X			5-day	
169-EX21-SS0.0	169-EX21	0.0	0.0	9.30.04	1080	N	1	CS	SO	1	A	NA					X	X			X			5-day	
169-EX17-SS0.0	169-EX17	0.0	0.0	9.30.04	0950	N	1	CS	SO	1	A	NA					X	X			X			5-day	
169-EX22A-SS0.0	169-EX22A	0.0	0.0	9.30.04	0930	N	1	CS	SO	1	A	NA					X				X			5-day	
169-EX22A-SS0.0	169-EX22A	0.0	0.0	9.30.04	0950	N	1	CS	SO	1	A	NA					X				X			5-day	
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		
						N	1																		

Tyb 9.30.04

4747

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

Temp blank included in cooler

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Thomas Smith	Thomas Smith	MWH	9.30.04	1500
RECEIVED BY:		Jason Nario	APCL	10/1/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Norberg (925) 975-3459 (O) & (925) 9[illegible]412 (F)

FED EX #: 8457 9307 6136 COOLER #: A LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE: Thomas Smith

Thomas Smith

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 4PTO-94

PROJECT NUMBER: 1950974.70010702

4872

ANALYSIS REQUEST / RUSH TAT (check if req.)

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	VOCs (SW8260B)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	TPH - gasoline (SW8015B mod.)	TPH - diesel/motor oil (SW8015B mod.)	PCBs (SW8082)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	PCBs		BTV Type*	24-Hr Rush turn Around (Faxed Results)	48-Hr Rush turn Around (Faxed Results)	5-Day Rush turn Around (Faxed Results)	REMARKS:
169-Ex60-SS0.0	169-Ex60	0.0	0.0	10.12.04	1500	N	1	CS	SO	1	A	NA			X				X	X	X				X		
169-Ex28-SS0.0	169-Ex28	0.0	0.0	10.12.04	1010	N	1	CS	SO	1	A	NA			X				X	X	X				X		
169-Ex22-SS0.0	169-Ex22	0.0	0.0	10.12.04	1100	N	1	CS	SO	1	A	NA			X				X	X	X				X		
169-Ex39-SS0.0	169-Ex39	0.0	0.0	10.12.04	0900	N	1	CS	SO	1	A	NA			X				X	X	X				X		
169-Ex37-SS0.0	169-Ex37	0.0	0.0	10.12.04	0940	N	1	CS	SO	1	A	NA			X				X	X	X				X		

Comments/Instructions:

Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, B, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater) Temp Blank in cooler

	Signature:	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Thomas Smith	Thomas Smith	MWH	10.12.04	1600
RECEIVED BY:	[illegible]	Kenny Chan	APCL	10/13/04	0910
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink) **COPIES: Retained by Sampler, Sent to Office**

MWH

CHAIN OF CUSTODY RECORD

MWH CONTACT PERSON: Kristin Drucquer (925) 975-3459 (O) & (925) 975-3412 (F)

FED EX #: 8457 9387 6147 COOLER #: A LOGCODE: MW-WCK LAB: APCL, Chino, CA (909) 590-1828, Eric Wendland

SAMPLER(S) PRINTED NAME AND SIGNATURE

Thomas Smith

Thomas Smith

PROJECT NAME: Vandenberg AFB, California AIR FORCE ID: VAFB

DELIVERY ORDER: 4 RTO-94

PROJECT NUMBER: 1950974.70010702

4896

ANALYSIS REQUEST

SAMPLE ID	LOC ID	SBD	SED	DATE	TIME	ERPIMS CODES SA	SN	SM	MC	BC	CT	PR	TPH - gasoline (SW8015B mod.)	VOCs (SW8260B)	TPH - diesel/motor oil (SW8015B mod.)	SVOCs (SW8270C)	PAHs (SW8270C-SIM)	Total Metals (SW6010B/SW7471A/SW7470A)	Dissolved Metals Water (SW6010B/SW7470A)	Perchlorate (EPA 314.0)	PCBs			BTV Type*	RUSH TAT	REMARKS:
169-Ex42-SS0.0	169-Ex42	0.0	0.0	10.13.04	0800	N	1	CS	SO	1	A	NA					X	X			X				2-day	
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			
						N	1																			

Comments/Instructions: Turn-around time is 15 business days unless otherwise specified.

Metals list: Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn

Consult Subcontract Agreement for project-specific requirements.

Level III data package unless otherwise specified.

Temp Blank in cooler

* SDS (surface dune sand); SSDS (subsurface dune sand); SA (surface alluvium); SSA (subsurface alluvium); BED (bedrock); GW (groundwater)

	Signature	Print Name:	Company Name/Title:	Date:	Time:
RELINQUISHED BY:	Thomas Smith	Thomas Smith	MWH	10.13.04	1600
RECEIVED BY:		Kenny Chan	APCL	10/14/04	1000
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt:

Legend
SBD: Sample Beginning Depth
SED: Sample Ending Depth (0 for gw)
LOC ID: Unique XY locator

Sample Type Code (SA): N
Sample Number (SN): 1
Sampling Method Code (SM): EC=Encore, G=grab, DT=driven tube, SS=split spoon, CS=composite, B=bailer
Sampling Matrix Code (MC): SO=soil, WG=gw, WS=surface water, WQ=water QC

Bottle Count (BC): 1,2,3, etc.
Container Type (CT): S= Sleeve, A= Amber Glass, G= Clear Glass, P = Plastic, E = Encore sample container
Preservative (PR): NA= None, A= HNO3, B= H2SO4, C= HCl, D= NaOH

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

APPENDIX C

PHOTO DOCUMENTATION

Photo No. 1 South View, 27 July 2004, Sample Location 169-S36 Prior to Excavation

Photo No. 2 South View, 27 July 2004, Sample Location 169-S32 Prior to Excavation

MWH

AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

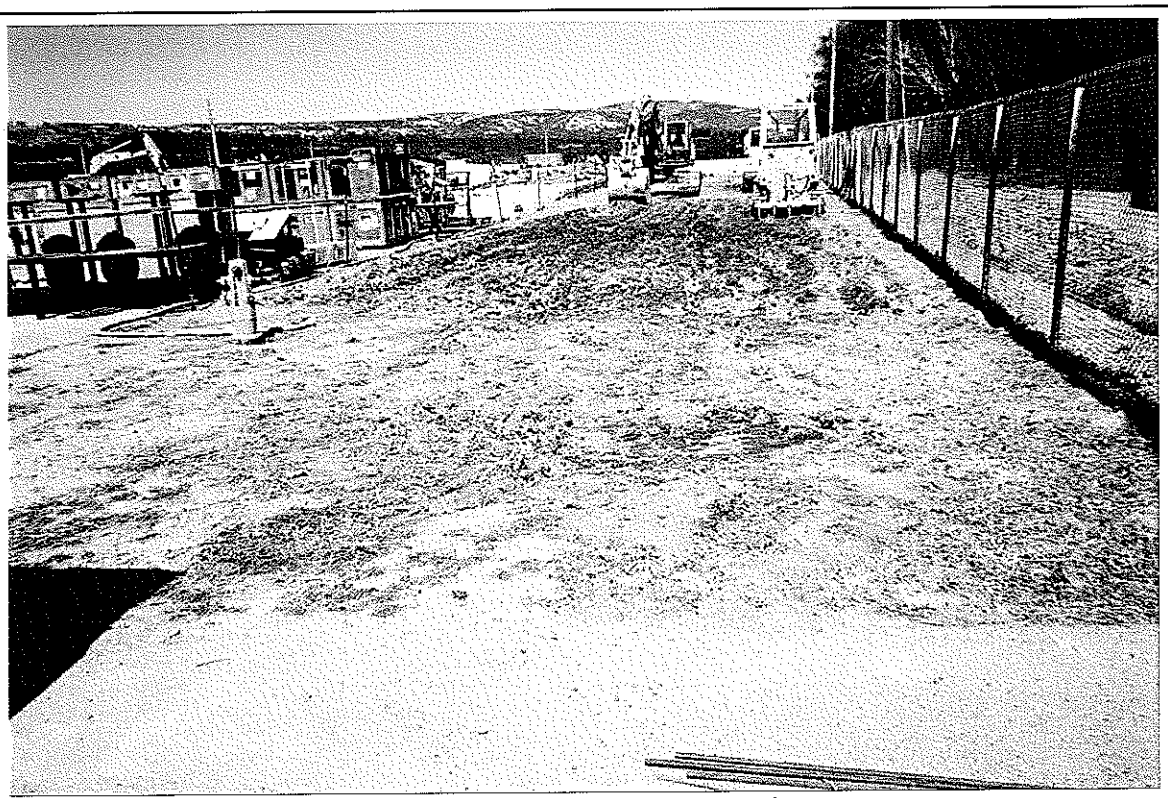

Photo No. 3 East View, 29 July 2004, Beginning Excavation

Photo No. 4 East View, 30 July 2004, Excavating Top 8 Inches

MWH

AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No. 5 East View, 30 July 2004, Excavation Activities

Photo No. 6 30 July 2004, Abandoned Fire Hydrant Supply Line

MWH

AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No. 7 East View, 30 July 2004, Excavation Area Following Ripping

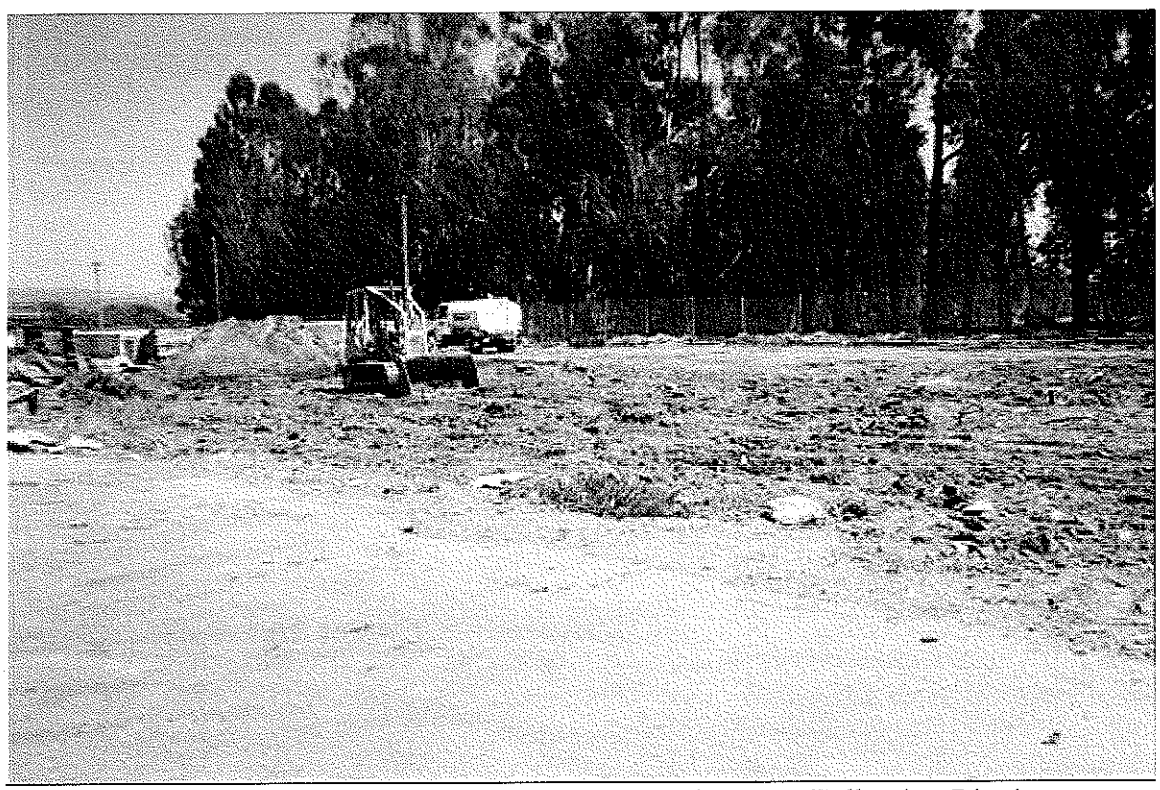

Photo No 8 Southeast View, 30 July 2004, Excavation Area Following Ripping

MWH

AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No. 9 East View, 30 July 2004, Removing Soil by Hand Along Concrete Pad

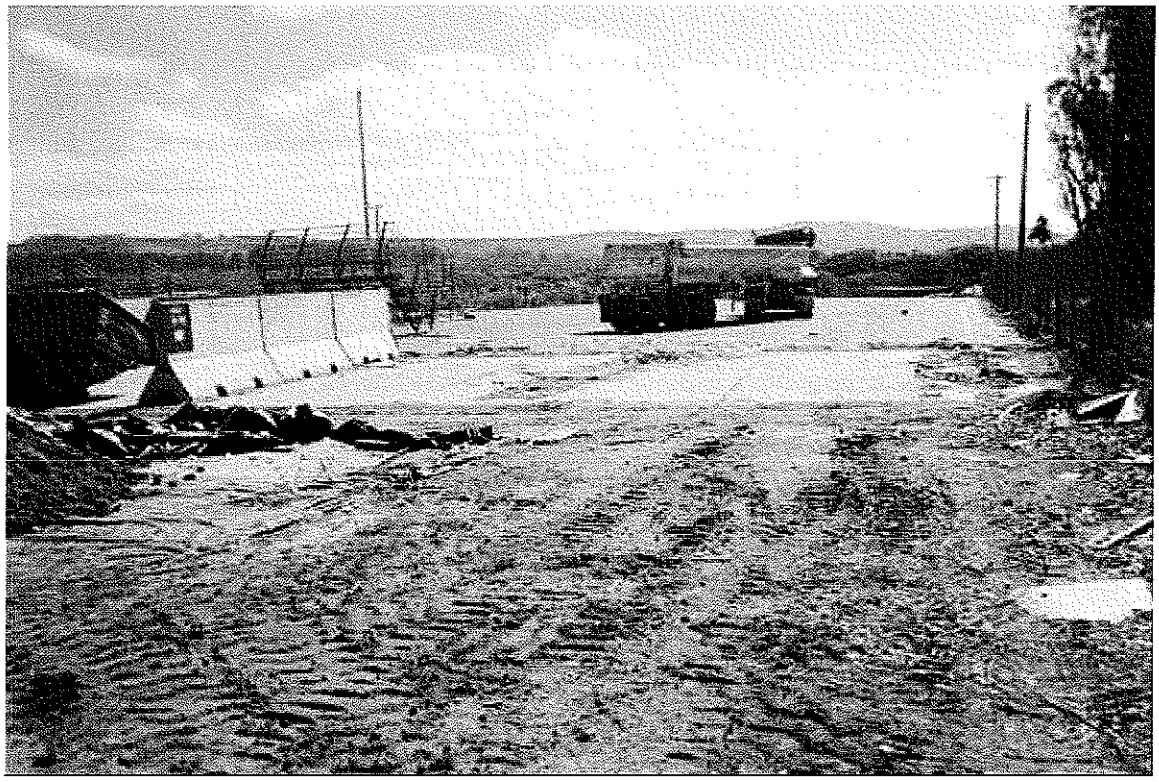

Photo No. 10 East View, 2 August 2004, Borrow Material Storage Area

MWH

AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

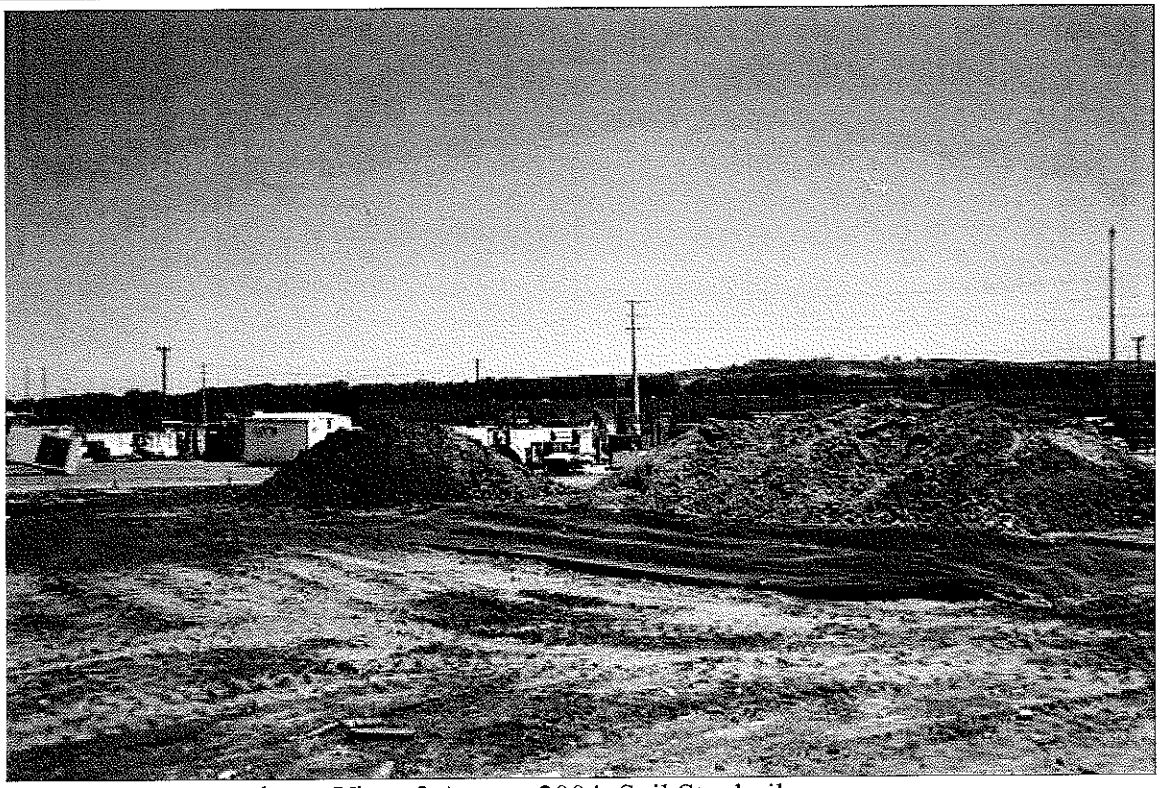

Photo No. 11 Northeast View, 2 August 2004, Soil Stockpiles

Photo No. 12 East View, 2 August 2004, Cell 15 Excavation

MWH

AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

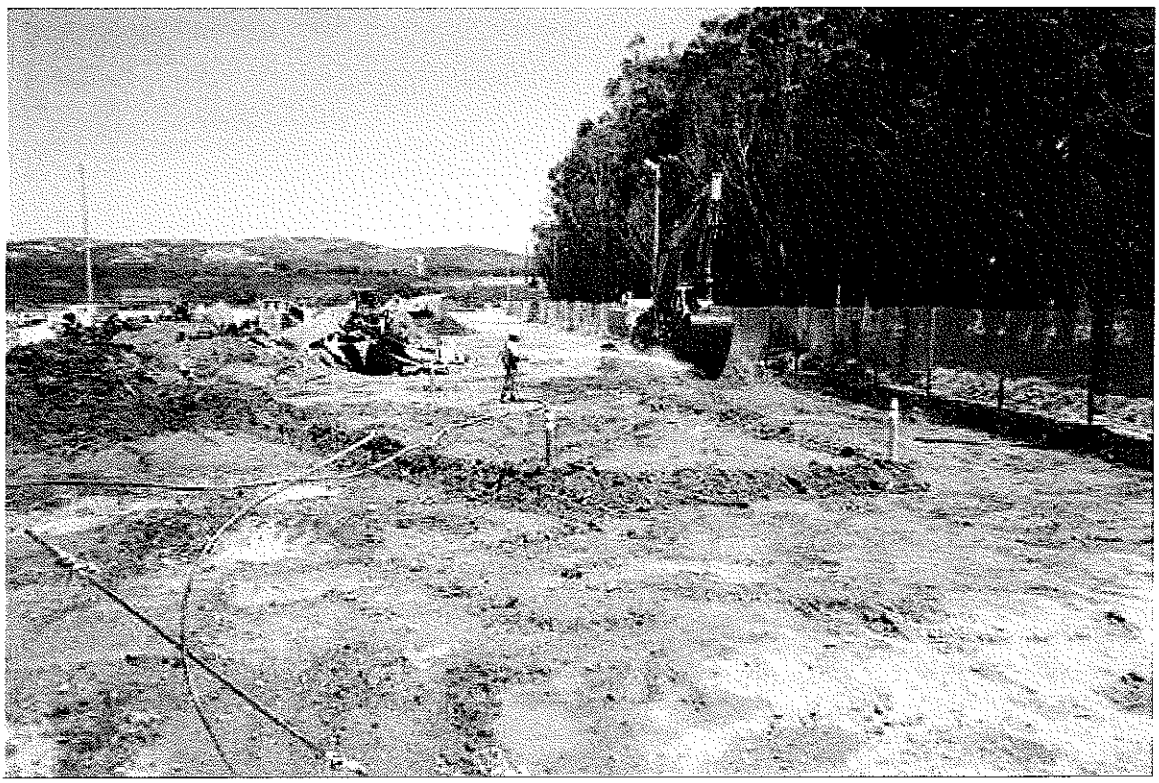

Photo No. 13 East View, 2 August 2004, Cell 48 Excavation

Photo No 14 Northeast View, 2 August 2004, Borrow Soil Stockpile

MWH

AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

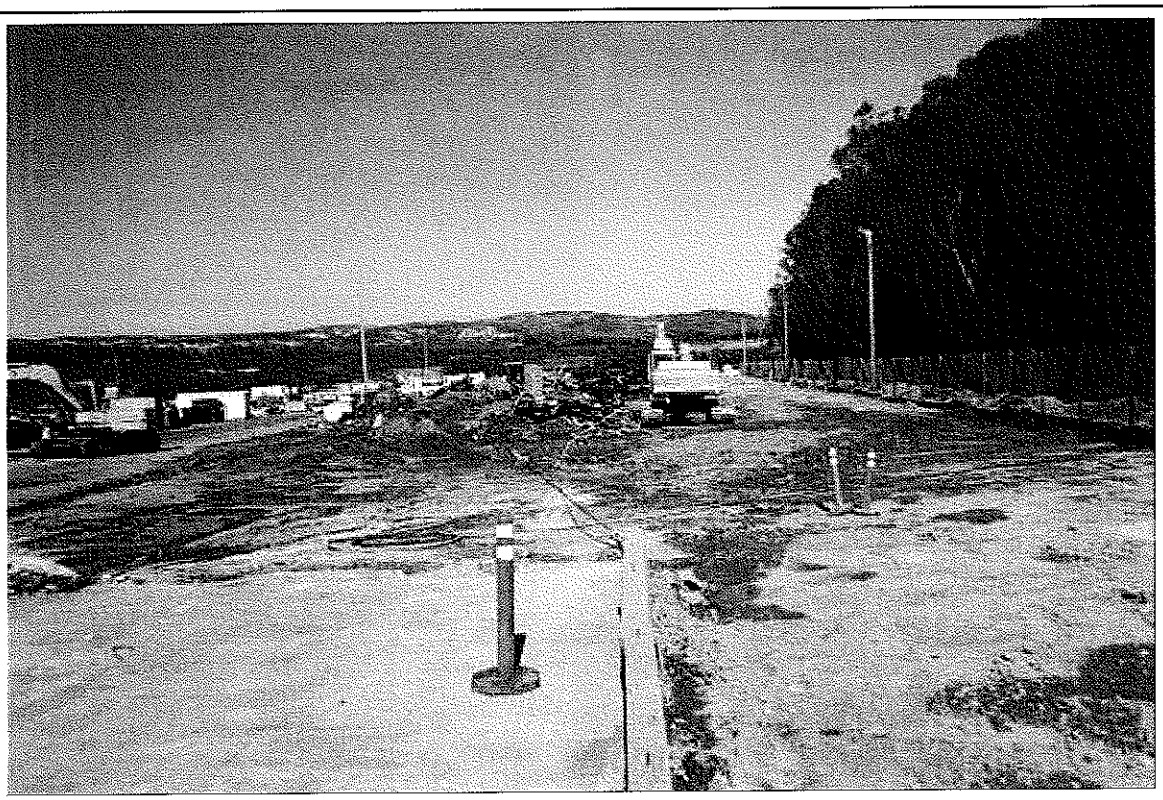

Photo No. 15 East View, 2 August 2004, Overview

Photo No. 16 East View, 2 August 2004, Covered Soil Stockpiles

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AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No. 17 West View, 2 August 2004, Debris Pile

Photo No. 18 South View, 3 August 2004, Excavating Along Asphalt Edge

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AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No. 19 East View, 4 August 2004, West Section Excavation

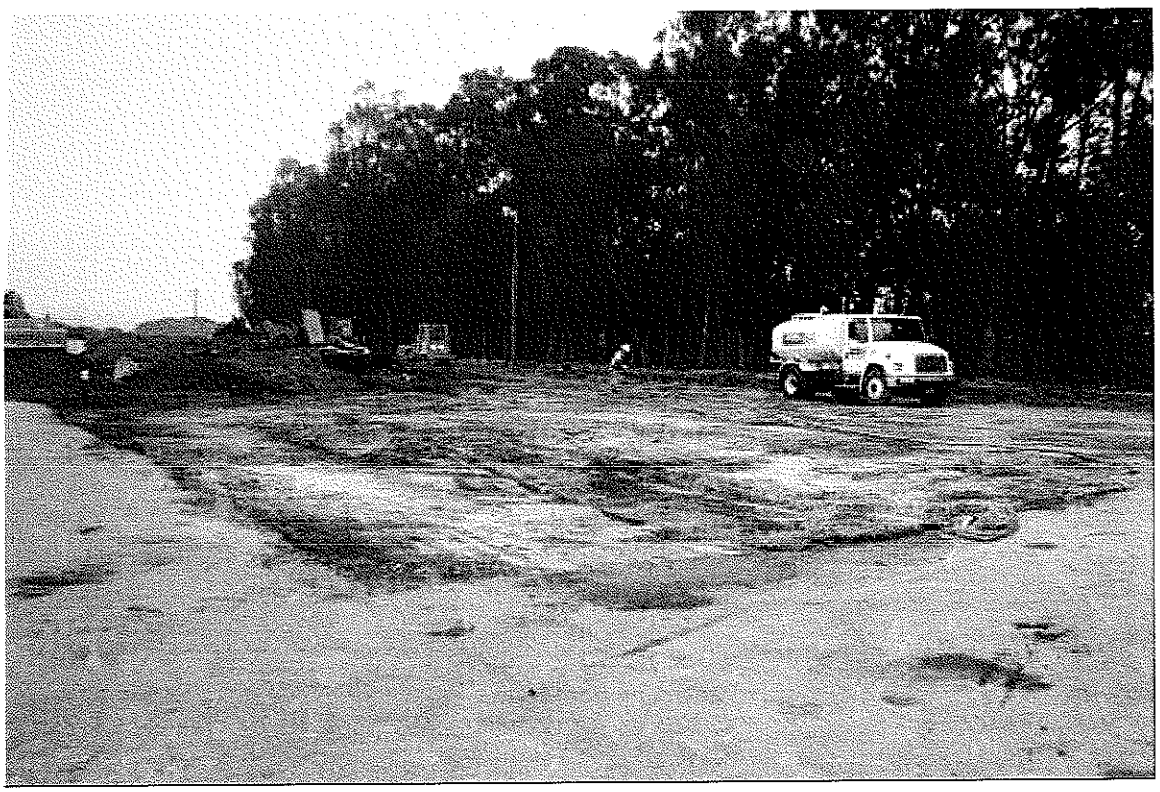

Photo No. 20 Southeast View, 4 August 2004, Initial 8-inch Excavation

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AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No 21 Southeast View, 4 August 2004, Excavating Northeast of Debris Pile

Photo No 22 4 August 2004, Confirmation Sample Collection

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AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No. 23 East View, 4 August 2004, Excavating Northeast of Debris Pile

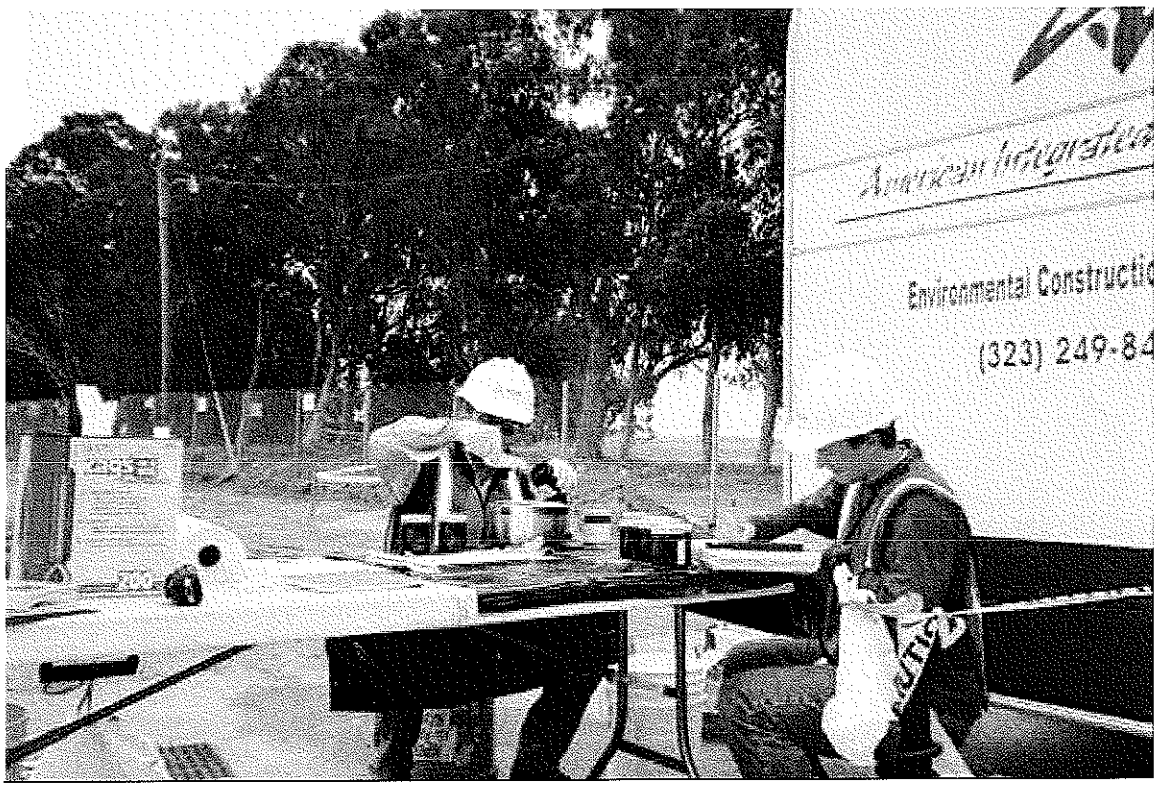

Photo No. 24 4 August 2004, Processing Confirmation Samples

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AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No 25 Southeast View, 4 August 2004, East End Excavation

Photo No 26 East View, 4 August 2004, Cell 16 Over Excavation

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VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No. 27 East View, 5 August 2004, Cells 58 and 59 Excavation

Photo No. 28 West View, 5 August 2004, Soil Stockpiles

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VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No. 29 East View, 5 August 2004, Hot Spot Excavation

Photo No. 30 East View, 12 October 2004, Overexcavation South of Fence Line

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AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

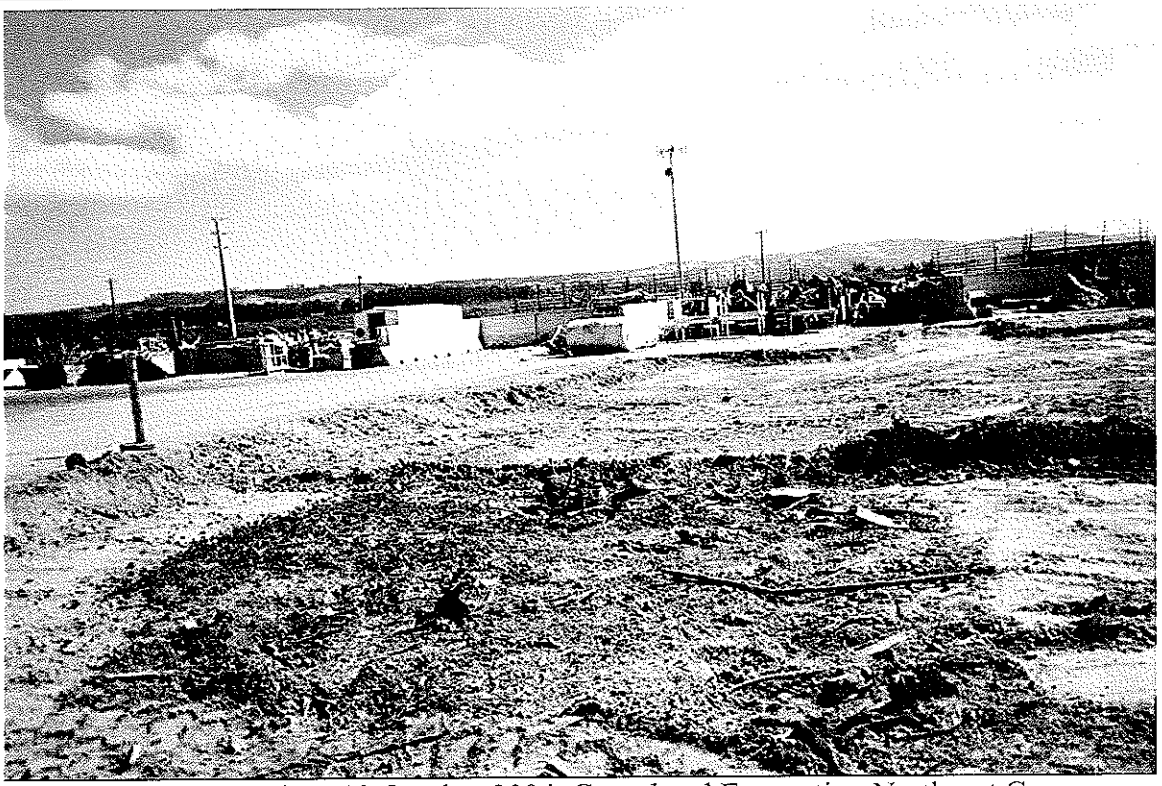

Photo No 31 East View, 12 October 2004, Completed Excavation Northeast Corner

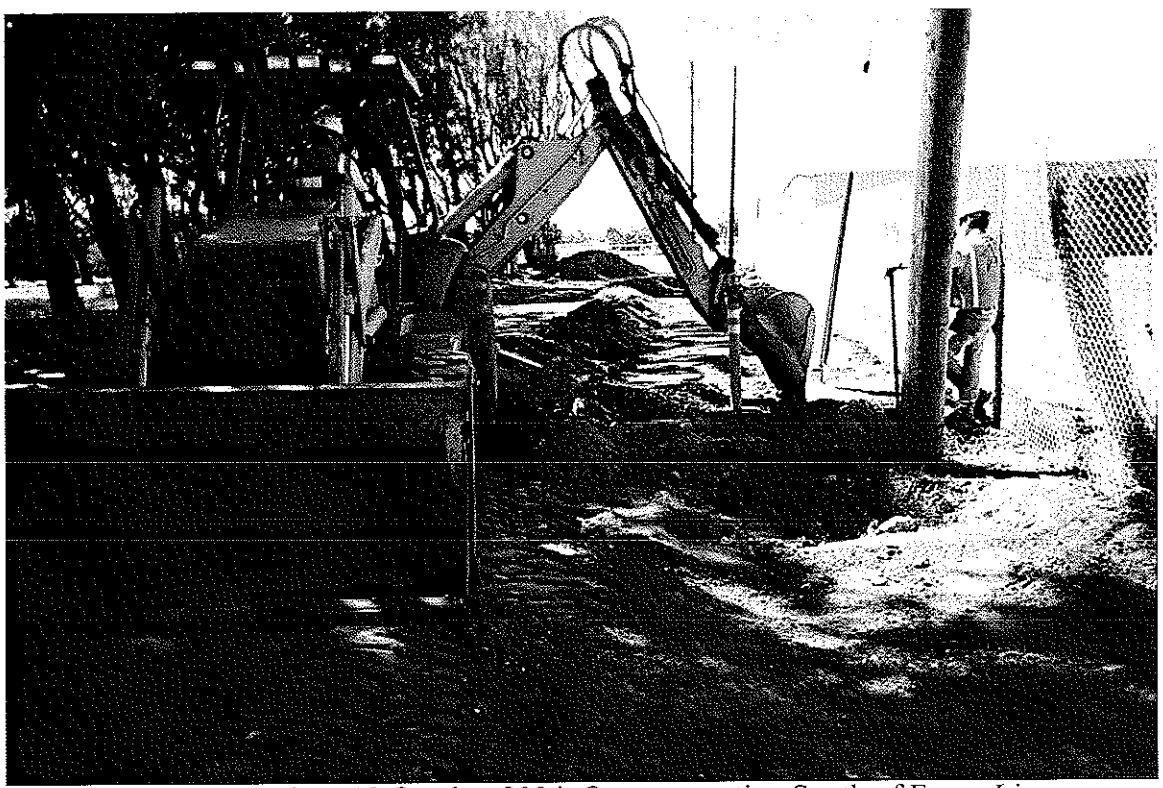

Photo No. 32 West View, 12 October 2004, Overexcavation South of Fence Line

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AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No 33 West View, 12 October 2004, Completed Overexcavation

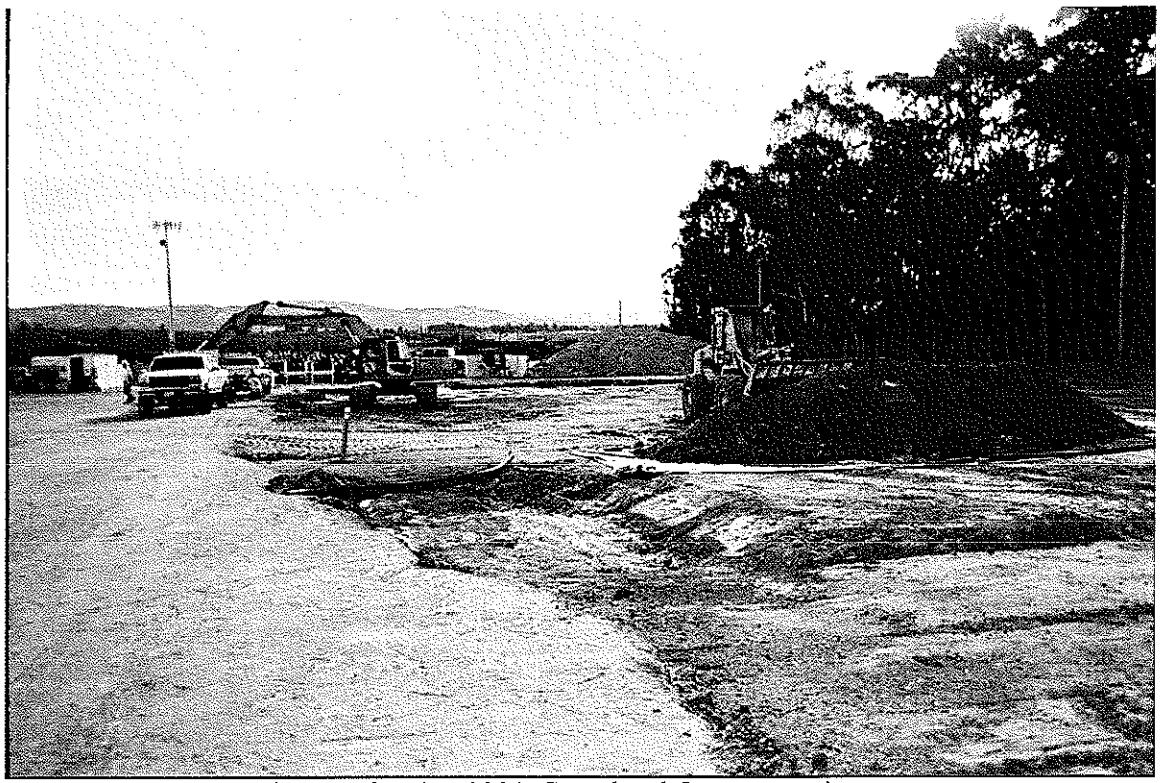

Photo No 34 East View, 12 October 2004, Completed Overexcavation

MWH

AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

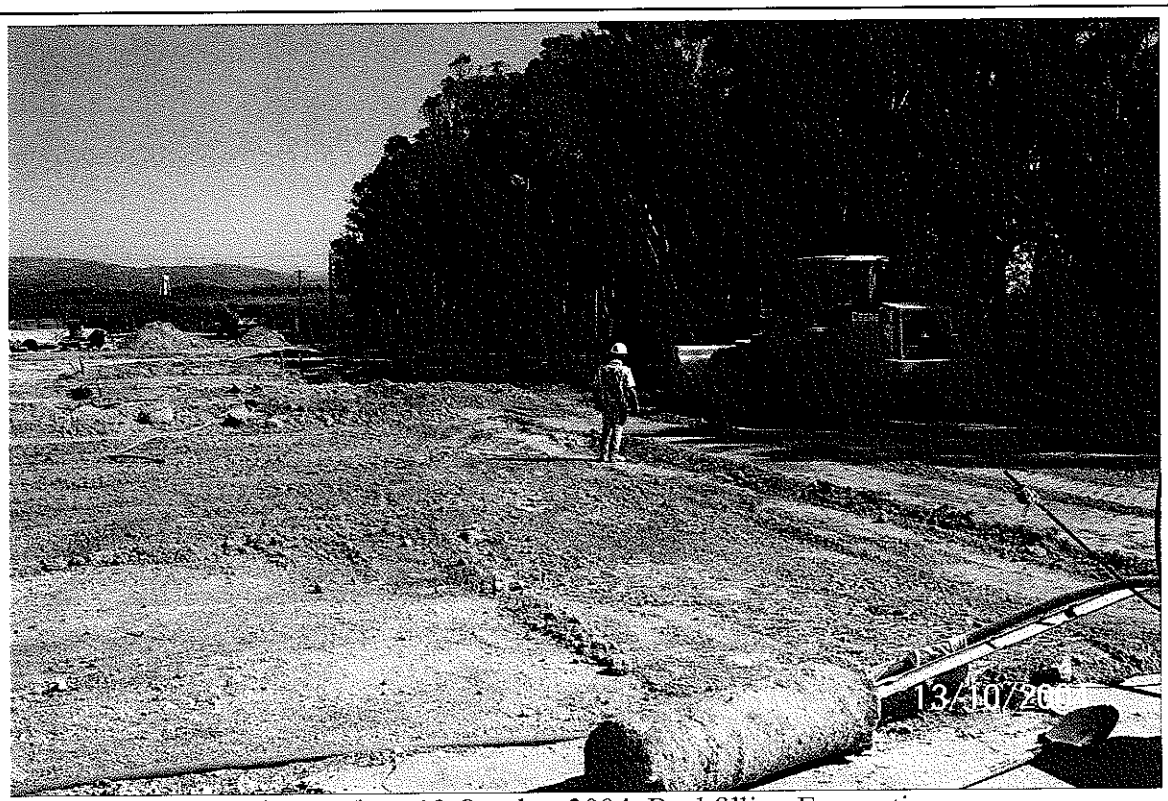

Photo No. 35 Southeast View, 13 October 2004, Backfilling Excavation

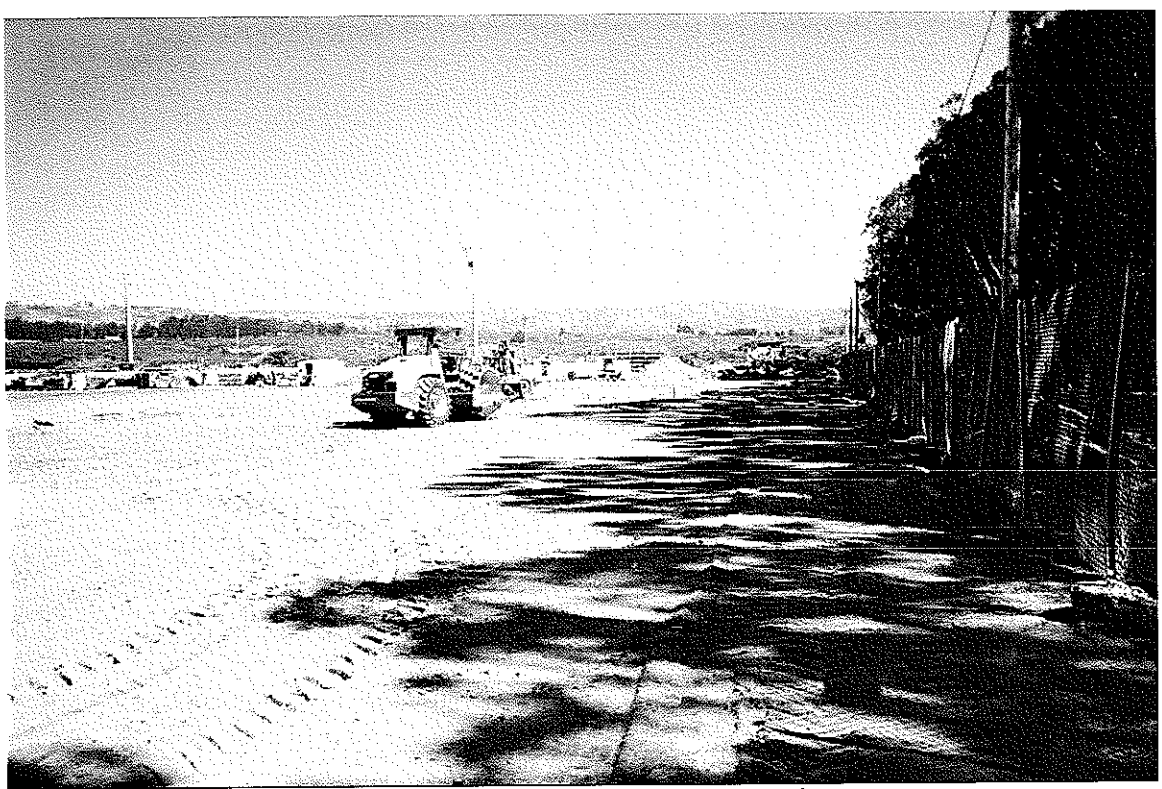

Photo No. 36 East View, 19 October 2004, Backfill Compaction

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AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

Photo No. 37 East View, 19 October 2004, Backfill Compaction

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AOC-169 INTERIM REMEDIAL ACTION PHOTOLOG
VANDENBERG AIR FORCE BASE, CALIFORNIA

12-04

APPENDIX D

ANALYTICAL DATA REPORT

FINAL
APPENDIX D
ANALYTICAL DATA REPORT

INTERIM REMEDIAL ACTION REPORT
DRMO SCRAP YARD
AOC-169
VANDENBERG AIR FORCE BASE, CALIFORNIA

Contract No. F41624-00-D-8022
Delivery Order 0070

Prepared for:
Air Force Center for Environmental Excellence
Vandenberg Air Force Base, California

Prepared by:

MWH
1340 Treat Boulevard, Suite 300
Walnut Creek, California 94597

May 2005

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LIST OF ACRONYMS

ADR	analytical data report
AOC	area of concern
APCL	Applied Physics & Chemistry Laboratory
CCV	continuing calibration verification
DCB	decachlorobiphenyl
DO	delivery order
DQO	data quality objective
DRMO	Defense Reutilization and Marketing Office
EDD	electronic data deliverable
ICV	initial calibration verification
LCS/LCSD	laboratory control sample/laboratory control sample duplicate
LDC	Laboratory Data Consultants, Inc.
MS/MSD	matrix spike/matrix spike duplicate
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PRG	Preliminary Remediation Goal
QAPP	quality assurance project plan
QC	quality control
%R	percent recovery
RPD	relative percent difference
RSD	relative standard deviations
RWQCB	Regional Water Quality Control Board
SIM	selected ion monitoring
TCMX	2,4,5,6-tetrachloro-meta-xylene
TPH	total petroleum hydrocarbons
TPH-d/mo	total petroleum hydrocarbons as diesel and motor oil
USEPA	United States Environmental Protection Agency
VAFB	Vandenberg Air Force Base

1.0 INTRODUCTION

This analytical data report (ADR) has been prepared as part of the deliverable requirements specified in Delivery Order (DO) 0070 of Contract F41624-00-D-8022. It is written specifically to address sampling and analysis conducted at Area of Concern (AOC)-169 at Vandenberg Air Force Base (VAFB), California.

AOC-169 is located near the east edge of the cantonment area on Utah Avenue on the south side of the Defense Reutilization and Marketing Office (DRMO) scrap yard. The DRMO receives reusable or recyclable materials from VAFB and other government entities located in the Central Coast region. Surface soil within the unpaved portion of the DRMO scrap yard contained metals, polychlorinated biphenyls (PCBs), and polyaromatic hydrocarbons (PAHs) at concentrations exceeding residential Preliminary Remediation Goals (PRGs), so an interim remedial action was proposed and approved.

The objective of the interim remedial action was to remove and dispose of soil presenting a potential risk to human health and the environment. To accomplish this objective, soil containing PCBs, PAHs, and metals above residential soil PRGs and total petroleum hydrocarbons (TPH) above the 100-mg/kg Regional Water Quality Control Board (RWQCB) action level were excavated to depths up to 3 feet and transported off site to a licensed disposal facility.

The purpose of this ADR is to present the analytical results of the soil samples and associated field quality control (QC) samples collected during the excavation activities under DO 70. Samples were collected and analyzed according to the procedures and methods specified in the VAFB Basewide Quality Assurance Project Plan (QAPP; Tetra Tech, 2003), Part 1 of the Basewide Sampling and Analysis Plan. A summary of the data management review process and analytical and data verification procedures is also presented in this ADR.

2.0 ANALYTICAL RESULTS

The scope of work completed for sampling under DO 70 included the collection of environmental samples, laboratory analysis, verification and validation of analytical results, and compilation of the field sample and field duplicate data into summary tables. The analytical results for the field and field QC samples are presented in Appendix A of the main body report.

3.0 SUMMARY OF FIELD ACTIVITIES

Soil samples were collected as part of this field program. The total number of samples collected for AOC-169 is as follows:

- One hundred and forty-nine (149) soil samples
- Thirteen (13) field duplicate samples
- Twenty-two (22) matrix spike/matrix spike duplicate (MS/MSD) pairs

Table D-1 summarizes the field sample identifications, sample types, and collection dates, and provides a cross-reference with laboratory identifications for samples collected during this field program. Soil samples were analyzed for one or more of the following parameters:

- Low-level PAHs by United States Environmental Protection Agency (USEPA) Method SW8270C selected ion monitoring (SIM)
- PCBs by USEPA Method SW8082
- TPH referenced to diesel and motor oil (TPH-d/mo) by USEPA Method SW8015 modified, samples were silica gel cleaned prior to analysis
- Inductively coupled plasma metals by USEPA Method SW6010B
- Mercury by USEPA Method SW7471A
- Total recoverable oil and grease by USEPA Method E413.2

Applied Physics and Chemistry Laboratory (APCL), located in Chino, California, performed all analyses on all samples.

4.0 DATA MANAGEMENT REVIEW PROCESS AND DATA VERIFICATION

The laboratories provided data reporting packages and an electronic data deliverable (EDD) to MWH. Upon receipt of these results, an MWH chemist initially reviewed the data by checking for completeness, including sample identifications, collection and analysis dates, analysis methods, reporting units and limits, consistency between hard and electronic copies, and QC results. The initial data review also included an evaluation of compliance with analytical protocols and contract requirements.

MWH forwarded the EDD and a copy of the data package to Laboratory Data Consultants, Inc. (LDC), located in Carlsbad, California. LDC verified the samples identified on Table D-1 as "D." The other samples (identified as "X") were not verified or validated because the results were greater than the associated action levels. The area represented by these samples was excavated, and additional samples were collected beyond the area of contamination.

For those samples that were verified by LDC, the results were qualified according to the VAFB Basewide QAPP. LDC provided a Level III data verification of 90 percent of the data. This encompassed an evaluation of sample collection procedures, holding times, and summary information for instrument calibrations (to assess system performance), blanks (to assess contamination), sample duplicates (to assess precision), laboratory control samples (to assess accuracy), and matrix spike, surrogate, and isotopic-labeled internal standard recoveries (to assess accuracy and matrix effects). LDC also provided a comprehensive Level IV data verification of 10 percent of the data, which included a complete review of compound identification and quantitation in addition to the Level III items. Upon completion of the data review, LDC provided a comprehensive data verification report for each data package. MWH retains copies of all original data packages, EDDs, and LDC data verification reports.

5.0 QUALITY CONTROL RESULTS AND DATA VALIDATION

MWH reviewed LDC's data verification reports and assessed the qualified data against the data quality objectives (DQOs) for the project. The following sections summarize the review process and results in terms of precision, accuracy, representativeness, completeness, comparability, and sensitivity. A summary of the final qualified data is presented in Table D-2. Verified data that have been changed as a result of the validation process are discussed in the following sections and are summarized on Table D-3.

5.1 PRECISION

Precision is the degree of agreement among repeated measurements of the same characteristic under the same or similar conditions. Data precision indicates how consistent and reproducible the field sampling or analytical procedures have been. Overall precision is measured by collecting data from replicate field samples. Precision was evaluated based on the results of QC samples collected in the field and created in the laboratory. The percent differences calculated from continuing calibration verification (CCV) standards, second-source initial calibration verification (ICV) standards, and serial dilutions provided information on precision of the analytical system. The calculated relative percent difference (RPD) for MS/MSD pairs, laboratory control sample/laboratory control sample duplicate (LCS/LCSD) pairs, and field duplicate pairs provided information on precision of sampling and analytical procedures.

5.1.1 Calibration Results

The percent differences for all CCVs and ICVs were within control limits.

5.1.2 Field Duplicate Results

Field duplicates were collected at a rate of approximately 10 percent for all matrices and analyses.

Per the Basewide QAPP, RPDs were calculated only when a parameter was detected in both the field sample and its field duplicate above the reporting limit. The field duplicate sample results are summarized on Table D-4. Field sample results were qualified if field duplicate pairs collected on the same day had RPDs that exceeded the required control limits. Also, as indicated on Table D-4, there were several duplicate pair associated with AOC-169 that were not verified as explained in Section 4.0. Therefore, the field sample results associated with out-of-control field duplicate RPDs were not qualified.

Of the field duplicates that were verified, 11 of the 80 calculated RPDs (or 14 percent) were greater than the control limit. All but one of these RPDs were for metals result; the other was for a PAH, benzo(k)fluoranthene. These data indicate that the matrix is somewhat non-homogenous for metals.

The field duplicate results were used to assess primarily the precision of the sampling technique and soil-matrix and concrete-matrix conditions (i.e., the extent of heterogeneity) and not analytical precision, since other quality control elements are established in the laboratory to measure analytical precision. However, as indicated on Table D-2, there was no result rejected because of field duplicate nonconformance.

5.1.3 MS/MSD Results

All results associated with MS/MSD RPDs outside control limits were qualified per the Basewide QAPP and are summarized on Table D-2.

5.1.4 Laboratory Control Sample Results

The RPDs for all LCS/LCSD pairs were within control limits.

5.2 ACCURACY

Accuracy is defined as the closeness of agreement between an observed value and an accepted reference value. Accuracy was evaluated based on recoveries from surrogate spike and internal spike compounds and recoveries from target parameters spiked into MS/MSD samples, LCSs, low-level calibration check standards, and post-digestion spike samples. Additionally, the relative standard deviations (RSDs) generated from initial calibrations were evaluated. Field samples with recoveries and RSDs outside the acceptance limits were qualified per the Basewide QAPP and QAPP Addendum, and the flagged data are summarized on Table D-3. Verified data that have been changed as a result of the validation process are discussed in the following sections and are summarized on Table D-3.

5.2.1 Surrogates

Surrogate recoveries for decachlorobiphenyl (DCB) and 2,4,5,6-tetrachloro-meta-xylene (TCMX) in sample AOC-169-S33 were 44 and 43 percent, respectively, less than the lower control limit of 45 percent, in the initial analysis of this sample. The sample was re-extracted, and the recovery for DCB was within control, but the recovery for TCMX remained out of control at 43 percent, so the results were rejected for non-detected PCBs and estimated for the detected PCB-1260. Since the TCMX recovery was just slightly lower than the control limit, and the method detection limits between one and two orders of magnitude less than the reporting limits, and the PRG is an order of magnitude greater than the reporting limits, the results were "un-rejected" and flagged as estimated as summarized on Table D-3.

5.2.2 Internal Standards

All internal standards were recovered within control limits.

5.2.3 MS/MSD Samples

For this field program as a whole, site-specific MS/MSDs were collected at a frequency of approximately 15 percent for soil samples. All associated results were qualified per the Basewide QAPP in cases when the MS and/or MSD percent recovery (%R) was outside the acceptance limits (see Table D-2).

PCBs

The %Rs for PCB-1016 and PCB-1260 associated with sample 169-CS15-SS0.0 were 36 and 35 in the MS and 156 and 152 in the MSD. These are less than the lower control limit of 40 percent or greater than the upper control limit of 130 percent. The spiked sample (169-CS10-SS0.0) contained 3,530 µg/kg of PCB-1254. The peaks associated with PCB-1254 likely contributed to the out-of-control recoveries of PCB-1016 and PCB-1260. Since the associated sample contained only PCB-1254, the "M" flags were removed (see Table D-3).

The %Rs for PCB-1016 and PCB-1260 associated with samples 169-S16-SS0.0, 169-S20-SS0.0, and 169-S21-SS0.0 were 351 and 305 in the MS and 1,550 and 1,300 in the MSD. These are greater than the upper control limit of 130 percent. The spiked sample (169-S09-SS0.0) contained 4,300 µg/kg of PCB-1254. The peaks associated with PCB-1254 likely contributed to the out-of-control recoveries of PCB-1016 and PCB-1260. Since the associated samples contained only PCB-1254, the "M" flags were removed (see Table D-3).

The %Rs for PCB-1016 and PCB-1260 associated with samples 169-EX01-SS0.0, 169-EX02-SS0.0, 169-EX03-SS0.0 and its field duplicate 169-EX97-SS0.0, 169-EX05-SS0.0, 169-EX06-SS0.0, 169-EX08-SS0.0, and 169-EX09-SS0.0) were 138 and 136 in the MS and 247 and 146 in

the MSD. These are greater than the upper control limit of 130 percent. The spiked sample (169-EX05-SS0.0) contained 119 µg/kg of PCB-1254. These peaks likely contributed to the high recovery of PCB-1016 and PCB-1260. Since the associated samples contained only PCB-1254, the "M" flags were removed (see Table D-3).

The %R for PCB-1260 in the MS associated with samples 169-EX18-SS0.0, 169-EX19-SS0.0, EX24A-SS0.0 and its duplicate 169–EX476A-SS0.0, 169-EX25A-SS0.0, 169-EX26A-SS0.0, 169-EX27-SS0.0, 169-EX47A-SS0.0, 169-EX48A-SS0.0, 169-EX49A-SS0.0, 169-EX51A-SS0.0) was 132, which is slightly greater than the upper control limit of 130 percent. The spiked sample (169-EX25A-SS0.0) contained 42.1 µg/kg of PCB-1254, so this likely contributed to the slightly high recovery of PCB-1260. Since none of the samples contained both PCB-1254 and PCB-1260, the "M" flags were removed (see Table D-3).

Metals

There were many occurrences where (1) the amount of aluminum and iron spiked into the MS and MSD was less than 10 times that of the native sample, and (2) the amount of zinc spiked into the MS and MSD was less than four times that of the native sample. The inability to recover the small amount relative to the native concentration does not realistically represent a matrix effect, so the "M" flags on the affected sample results were removed (as summarized on Table D-3).

5.2.4 LCS Samples

All target parameters spiked into LCSs were recovered within control limits.

5.2.5 Low-Level Calibration Standards

All target parameters spiked into low-level calibration standard for metals were recovered within control limits.

5.2.6 Post-Digestion Spike Samples

Sample results associated with recoveries outside control limits for post-digestion spike samples were qualified per the Basewide QAPP.

5.2.7 Initial Calibration Standards

All RSDs for initial calibration standards were within control limits.

5.3 REPRESENTATIVENESS

Representativeness is defined as the degree to which measurements represent actual conditions. Representativeness was evaluated through the analysis of laboratory method blank samples, as well as on the condition and proper preservation of samples as reviewed upon receipt at the laboratory.

5.3.1 Laboratory Blanks

Method blanks did not contain target parameters at concentrations above the reporting limit.

5.3.2 Holding Times

All holding times were within the method-specified holding time criteria and the criteria specified in the Basewide QAPP and QAPP Addendum.

5.4 COMPLETENESS

Completeness is defined as the number of valid results (i.e., those not rejected) divided by the total number reported. Completeness was calculated for each analyte for each method and is

summarized on Table D-5. The completeness goals are 95 percent for soil samples. One hundred percent completeness was achieved for all methods.

5.5 COMPARABILITY

Comparability is defined as the confidence with which one data set can be evaluated against another. On this project, comparability was assured by analyzing all samples according to the specified USEPA analytical method. Each method was reported in standard units of measurement.

5.6 SENSITIVITY

Analytical sensitivity is achieved by spiking the low-level standard in the initial calibration at or below the reporting limit and by performing method detection limit studies to set a limit on detected results reported below the reporting limit.

6.0 SUMMARY OF DATA QUALIFIERS

The following is a summary of the data verification/validation qualifiers used in the review:

Qualifier	Description
F	The analyte was positively identified, but the associated numerical value is less than the reporting limit.
J	The result is estimated.
M	A matrix effect was present.

7.0 SUMMARY

Analytical data generated during the interim remedial action activities for AOC-169 were verified according to the criteria specified in the Basewide QAPP. The verified data were reviewed against the DQOs, and all project objectives were achieved.

8.0 REFERENCES

Tetra Tech, Inc. (Tetra Tech), 2003. Basewide Sampling and Analysis Plan, Part 1: Final Basewide Quality Assurance Project Plan, Installation Restoration Program, Vandenberg Air Force Base. September.

TABLE D-1

SAMPLES COLLECTED
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA
(Page 1 of 5)

Location	Field Sample Identification	Sample Type	Matrix	Collection Depth (ft. bgs)	Collection Date	APCL Laboratory Sample Identification	Analysis Performed: PAHs by SW8270C SIM	TPH-d/mo by SW8015B modified	PCBs by SW8082	ICP Metals by SW6010B	Mercury by SW7471A	Oil & Grease by E413.2
169-CS01	169-CS01-SS0 0	Normal Field Sample	Soil	0	06/03/2003	03-3585-01			X			
169-CS02	169-CS02-SS0 0	Normal Field Sample	Soil	0	06/03/2003	03-3585-02			X			
169-CS03	169-CS03-SS0 0	Normal Field Sample	Soil	0	06/03/2003	03-3585-03			X			
169-CS04	169-CS04-SS0 0	Normal Field Sample	Soil	0	06/03/2003	03-3585-04			X			
169-CS05	169-CS05-SS0 0	Normal Field Sample	Soil	0	06/03/2003	03-3585-05			X			
169-CS06	169-CS06-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-06			X			
169-CS07	169-CS07-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-07			X			
169-CS08	169-CS08-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-08			X			
169-CS09	169-CS09-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-09			X			
169-CS10	169-CS10-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-10			X			
169-CS10	169-CS10-SS0 0 (MS)	Matrix Spike	Soil	0	06/04/2003	03-3585-10MS			X			
169-CS10	169-CS10-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	06/04/2003	03-3585-10MS			X			
169-CS11	169-CS11-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-11			X			
169-CS12	169-CS12-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-12			X			
169-CS13	169-CS13-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-13			X			
169-CS14	169-CS14-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-14			X			
169-CS15	169-CS15-SS0 0	Normal Field Sample	Soil	0	06/05/2003	03-3585-15			D			
169-CS16	169-CS16-SS0 0	Normal Field Sample	Soil	0	06/05/2003	03-3585-16			D			
169-CS05	169-CS95-SS0 0 (FD)	Field Duplicate	Soil	0	06/03/2003	03-3585-17			X			
169-S01	169-S01-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-18			X			
169-S02	169-S02-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-19			X			
169-S03	169-S03-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-20			X			
169-S04	169-S04-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-21			X			
169-S05	169-S05-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-22			X			
169-S06	169-S06-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-23			X			
169-S07	169-S07-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-24			X			
169-S08	169-S08-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-25			X			
169-S09	169-S09-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-26			X			
169-S09	169-S09-SS0 0 (MS)	Matrix Spike	Soil	0	06/04/2003	03-3585-26MS			X			
169-S09	169-S09-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	06/04/2003	03-3585-26MS			X			
169-S10	169-S10-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-27			X			
169-S11	169-S11-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-28			X			
169-S12	169-S12-SS0 0	Normal Field Sample	Soil	0	06/04/2003	03-3585-29			X			
169-S13	169-S13-SS0 0	Normal Field Sample	Soil	0	06/05/2003	03-3585-30			X			
169-S14	169-S14-SS0 0	Normal Field Sample	Soil	0	06/05/2003	03-3585-31			X			
169-S15	169-S15-SS0 0	Normal Field Sample	Soil	0	06/05/2003	03-3585-32			X			
169-S16	169-S16-SS0 0	Normal Field Sample	Soil	0	06/05/2003	03-3585-33			X			
169-S17	169-S17-SS0 0	Normal Field Sample	Soil	0	06/05/2003	03-3585-34			X			
169-S18	169-S18-SS0 0	Normal Field Sample	Soil	0	06/05/2003	03-3585-35			X			
169-S19	169-S19-SS0 0	Normal Field Sample	Soil	0	06/05/2003	03-3585-36			X			
169-S20	169-S20-SS0 0	Normal Field Sample	Soil	0	06/05/2003	03-3585-37			D			
169-S21	169-S21-SS0 0	Normal Field Sample	Soil	0	06/05/2003	03-3585-38			D			
169-S11	169-S89-SS0 0 (FD)	Field Duplicate	Soil	0	06/04/2003	03-3585-39			X			
169-S05	169-S95-SS0 0 (FD)	Field Duplicate	Soil	0	06/04/2003	03-3585-40			X			
169-S07	169-S07-SS1 0	Normal Field Sample	Soil	0 5	07/03/2003	03-4072-01			X			
169-S22	169-S22-SS0 0	Normal Field Sample	Soil	0	07/03/2003	03-4072-02			X			

TABLE D-1

SAMPLES COLLECTED
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Location	Field Sample Identification	Sample Type	Matrix	Collection Depth (ft. bgs)	Collection Date	APCL Laboratory Sample Identification	Analysis Performed: PAHs by SW8270C SIM	TPH-d/mo by SW8015B modified	PCBs by SW8082	ICP Metals by SW6010B	Mercury by SW7471A	Oil & Grease by E413.2
169-S23	169-S23-SS0 0	Normal Field Sample	Soil	0	07/03/2003	03-4072-03			X			
169-S24	169-S24-SS0 0	Normal Field Sample	Soil	0	07/03/2003	03-4072-04			X			
169-S25	169-S25-SS0 0	Normal Field Sample	Soil	0	07/03/2003	03-4072-05			X			
169-S26	169-S26-SS0 0	Normal Field Sample	Soil	0	07/03/2003	03-4072-06			X			
169-S27	169-S27-SS0 0	Normal Field Sample	Soil	0	07/03/2003	03-4072-07			X			
169-S28	169-S28-SS0 0	Normal Field Sample	Soil	0	07/03/2003	03-4072-08			X			
169-S29	169-S29-SS0 0	Normal Field Sample	Soil	0	07/03/2003	03-4072-09			X			
169-S30	169-S30-SS0 0	Normal Field Sample	Soil	0	07/03/2003	03-4072-10			X			
169-S07	169-S07-SS1 0 (MS)	Matrix Spike	Soil	0.5	07/03/2003	03-4072-1MS			X			
169-S07	169-S07-SS1 0 (MSD)	Matrix Spike Duplicate	Soil	0.5	07/03/2003	03-4072-1MSD			X			
169-S31	169-S31-SS0 0	Normal Field Sample	Soil	0	04/20/2004	04-2683-01			D			
169-S32	169-S32-SS0 0	Normal Field Sample	Soil	0	04/20/2004	04-2683-02			X			
169-S33	169-S33-SS0 0	Normal Field Sample	Soil	0	04/20/2004	04-2683-03			D			
169-S34	169-S34-SS0.0	Normal Field Sample	Soil	0	04/20/2004	04-2683-04			D			
169-S35	169-S35-SS0.0	Normal Field Sample	Soil	0	04/20/2004	04-2683-05			D			
169-S36	169-S36-SS0.0	Normal Field Sample	Soil	0	04/20/2004	04-2683-06			X			
169-S37	169-S37-SS0.0	Normal Field Sample	Soil	0	04/20/2004	04-2683-07			D			
169-S38	169-S38-SS0.0	Normal Field Sample	Soil	0	04/20/2004	04-2683-08			X			
169-S39	169-S39-SS0.0	Normal Field Sample	Soil	0	04/20/2004	04-2683-09			X			
169-EX01	169-EX01-SS0 0	Normal Field Sample	Soil	0	08/04/2004	04-3965-01	D		D	D	D	
169-EX02	169-EX02-SS0.0	Normal Field Sample	Soil	0	08/04/2004	04-3965-02	D		D	D	D	
169-EX03	169-EX03-SS0.0	Normal Field Sample	Soil	0	08/04/2004	04-3965-03	D		D	D	D	
169-EX04	169-EX04-SS0.0	Normal Field Sample	Soil	0	08/04/2004	04-3965-04	D		X	D	D	
169-EX05	169-EX05-SS0.0	Normal Field Sample	Soil	0	08/04/2004	04-3965-05	D		D	D	D	
169-EX05	169-EX05-SS0.0 (MS)	Matrix Spike	Soil	0	08/04/2004	04-3965-05MS	D		D	D	D	
169-EX05	169-EX05-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	08/04/2004	04-3965-05MSD	D		D	D	D	
169-EX06	169-EX06-SS0 0	Normal Field Sample	Soil	0	08/04/2004	04-3965-06	D		D	D	D	
169-EX07	169-EX07-SS0 0	Normal Field Sample	Soil	0	08/04/2004	04-3965-07	D		X	D	D	
169-EX08	169-EX08-SS0 0	Normal Field Sample	Soil	0	08/04/2004	04-3965-08	D		D	D	D	
169-EX09	169-EX09-SS0 0	Normal Field Sample	Soil	0	08/04/2004	04-3965-09	D		D	D	D	
169-EX10	169-EX10-SS0 0	Normal Field Sample	Soil	0	08/04/2004	04-3965-10	X		X	D	D	
169-EX11	169-EX11-SS0.0	Normal Field Sample	Soil	0	08/04/2004	04-3965-11	D		X	D	D	
169-EX12	169-EX12-SS0.0	Normal Field Sample	Soil	0	08/04/2004	04-3965-12	D		X	D	D	
169-EX13	169-EX13-SS0.0	Normal Field Sample	Soil	0	08/04/2004	04-3965-13	X		X	D	D	
169-EX13	169-EX87-SS0.0 (FD)	Field Duplicate	Soil	0	08/04/2004	04-3965-14	X		X	D	D	
169-EX03	169-EX97-SS0.0 (FD)	Field Duplicate	Soil	0	08/04/2004	04-3965-15	D		D	D	D	
169-EX14	169-EX14-SS0 0	Normal Field Sample	Soil	0	08/05/2004	04-3976-01	X		X	D	D	
169-EX15	169-EX15-SS0 0	Normal Field Sample	Soil	0	08/05/2004	04-3976-02	X		X	D	D	
169-EX22	169-EX22-SS0 0	Normal Field Sample	Soil	0	08/05/2004	04-3976-03	X		X	D	D	
169-EX23	169-EX23-SS0 0	Normal Field Sample	Soil	0	08/05/2004	04-3976-04	X		X	D	D	
169-EX24	169-EX24-SS0.0	Normal Field Sample	Soil	0	08/05/2004	04-3976-05	D		D	D	D	
169-EX58	169-EX58-SS0.0	Normal Field Sample	Soil	0	08/05/2004	04-3976-06	D		D	D	D	
169-EX70	169-EX70-SS0.0	Normal Field Sample	Soil	0	08/05/2004	04-3976-07	D					
169-EX71	169-EX71-SS0.0	Normal Field Sample	Soil	0	08/05/2004	04-3976-08		D				D

TABLE D-1

SAMPLES COLLECTED
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA
(Page 3 of 5)

							Analysis Performed					
Location	Field Sample Identification	Sample Type	Matrix	Collection Depth (ft. bgs)	Collection Date	APCL Laboratory Sample Identification	PAHs by SW8270C SIM	TPH-d/mo by SW8015B modified	PCBs by SW8082	ICP Metals by SW6010B	Mercury by SW7471A	Oil & Grease by E413.2
169-EX71	169-EX71-SS0 0 (MS)	Matrix Spike	Soil	0	08/05/2004	04-3976-08MS		D				D
169-EX71	169-EX71-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	08/05/2004	04-3976-08MSD		D				D
169-EX72	169-EX72-SS0 0	Normal Field Sample	Soil	0	08/05/2004	04-3976-09		D				
169-EX71	169-EX429-SS0 0 (FD)	Field Duplicate	Soil	0	08/05/2004	04-3976-10		D				D
169-EX23	169-EX477-SS0 0 (FD)	Field Duplicate	Soil	0	08/05/2004	04-3976-11	X		X	D	D	
169-EX25	169-EX25-SS0 0	Normal Field Sample	Soil	0	08/09/2004	04-4016-01	D		X	D	D	
169-EX25	169-EX25-SS0 0 (MS)	Matrix Spike	Soil	0	08/09/2004	04-4016-01MS	D		X	D	D	
169-EX25	169-EX25-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	08/09/2004	04-4016-01MSD	D		X	D	D	
169-EX26	169-EX26-SS0 0	Normal Field Sample	Soil	0	08/09/2004	04-4016-02	X		X	D	D	
169-EX59	169-EX59-SS0 0	Normal Field Sample	Soil	0	08/09/2004	04-4016-03	D		D	D	D	
169-EX45	169-EX45-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-01	D		D	D	D	
169-EX45	169-EX45-SS0 0 (MS)	Matrix Spike	Soil	0	08/12/2004	04-4079-01MS	D		D	D	D	
169-EX45	169-EX45-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	08/12/2004	04-4079-01MSD	D		D	D	D	
169-EX46	169-EX46-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-02	D		D	D	D	
169-EX47	169-EX47-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-03	D		X	D	D	
169-EX48	169-EX48-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-04	D		X	D	D	
169-EX49	169-EX49-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-05	D		X	D	D	
169-EX50	169-EX50-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-06	D		D	D	D	
169-EX51	169-EX51-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-07	D		X	D	D	
169-EX52	169-EX52-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-08	D		D	D	D	
169-EX53	169-EX53-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-09	D		D	D	D	
169-EX54	169-EX54-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-10	D		D	D	D	
169-EX55	169-EX55-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-11	D		D	D	D	
169-EX56	169-EX56-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-12	D		D	D	D	
169-EX57	169-EX57-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-13	D		D	D	D	
169-EX61	169-EX61-SS0 0	Normal Field Sample	Soil	0	08/11/2004	04-4079-14	D		D	D	D	
169-EX62	169-EX62-SS0 0	Normal Field Sample	Soil	0	08/11/2004	04-4079-15	D		D	D	D	
169-EX63	169-EX63-SS0 0	Normal Field Sample	Soil	0	08/11/2004	04-4079-16	D		D	D	D	
169-EX64	169-EX64-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-17	D		D	D	D	
169-EX67	169-EX67-SS0 0	Normal Field Sample	Soil	0	08/12/2004	04-4079-18	D		D	D	D	
169-EX63	169-EX437-SS0 0 (FD)	Field Duplicate	Soil	0	08/11/2004	04-4079-19	D		D	D	D	
169-EX63	169-EX437-SS0 0 (MS)	Matrix Spike	Soil	0	08/11/2004	04-4079-19MS	D		D			
169-EX63	169-EX437-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	08/11/2004	04-4079-19MS	D		D			
169-EX53	169-EX447-SS0 0 (FD)	Field Duplicate	Soil	0	08/12/2004	04-4079-20	D		D	D	D	
169-EX04	169-EX04A-SS0 0	Normal Field Sample	Soil	0	09/02/2004	04-4351-01			D			
169-EX04	169-EX04A-SS0 0 (MS)	Matrix Spike	Soil	0	09/02/2004	04-4351-01MS			D			
169-EX04	169-EX04A-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	09/02/2004	04-4351-01MSD			D			
169-EX44	169-EX44-SS0 0	Normal Field Sample	Soil	0	09/02/2004	04-4351-02			X			
169-EX07	169-EX07A-SS0 0	Normal Field Sample	Soil	0	09/17/2004	04-4577-01			D			
169-EX10	169-EX10A-SS0 0	Normal Field Sample	Soil	0	09/17/2004	04-4577-02	D		D	D		
169-EX11	169-EX11A-SS0 0	Normal Field Sample	Soil	0	09/17/2004	04-4577-03			D			
169-EX12	169-EX12A-SS0 0	Normal Field Sample	Soil	0	09/17/2004	04-4577-04			D			
169-EX13	169-EX13A-SS0 0	Normal Field Sample	Soil	0	09/17/2004	04-4577-05	D		D			
169-EX13	169-EX13A-SS0 0 (MS)	Matrix Spike	Soil	0	09/17/2004	04-4577-05MS			D			
169-EX13	169-EX13A-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	09/17/2004	04-4577-05MSD			D			
169-EX14	169-EX14A-SS0 0	Normal Field Sample	Soil	0	09/17/2004	04-4577-06	D		D			

TABLE D-1

SAMPLES COLLECTED
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Location	Field Sample Identification	Sample Type	Matrix	Collection Depth (ft. bgs)	Collection Date	APCL Laboratory Sample Identification	Analysis Performed: PAHs by SW8270C SIM	TPH-d/mo by SW8015B modified	PCBs by SW8082	ICP Metals by SW6010B	Mercury by SW7471A	Oil & Grease by E413.2
169-EX15	169-EX15A-SS0.0	Normal Field Sample	Soil	0	09/17/2004	04-4577-07	D		D	D		
169-EX15	169-EX15A-SS0.0 (MS)	Matrix Spike	Soil	0	09/17/2004	04-4577-07MS	D			D		
169-EX15	169-EX15A-SS0.0 (MSD)	Matrix Spike Duplicate	Soil	0	09/17/2004	04-4577-07MSD	D			D		
169-EX13	169-EX487A-SS0 0 (FD)	Field Duplicate	Soil	0	09/17/2004	04-4577-08	D		D			
169-EX30	169-EX30-SS0 0	Normal Field Sample	Soil	0	09/21/2004	04-4609-01	D		D	D	D	
169-EX30	169-EX30-SS0 0 (MS)	Matrix Spike	Soil	0	09/21/2004	04-4609-01MS			D			
169-EX30	169-EX30-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	09/21/2004	04-4609-01MSD			D			
169-EX31	169-EX31-SS0 0	Normal Field Sample	Soil	0	09/21/2004	04-4609-02	D		D	D	D	
169-EX29	169-EX29-SS0 0	Normal Field Sample	Soil	0	09/22/2004	04-4651-01	D		D	D	D	
169-EX32	169-EX32-SS0 0	Normal Field Sample	Soil	0	09/22/2004	04-4651-02	D		D	D	D	
169-EX35	169-EX35-SS0 0	Normal Field Sample	Soil	0	09/22/2004	04-4651-03	D		D	D	D	
169-EX36	169-EX36-SS0 0	Normal Field Sample	Soil	0	09/22/2004	04-4651-04	D		D	D	D	
169-EX60	169-EX60-SS0 0	Normal Field Sample	Soil	0	09/22/2004	04-4651-05	X		D	D	D	
169-EX28	169-EX28-SS0 0	Normal Field Sample	Soil	0	09/23/2004	04-4656-01	D		X	D	D	
169-EX33	169-EX33-SS0 0	Normal Field Sample	Soil	0	09/23/2004	04-4656-02	D		D	D	D	
169-EX33	169-EX33-SS0 0 (MS)	Matrix Spike	Soil	0	09/23/2004	04-4656-02MS	D		D			
169-EX33	169-EX33-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	09/23/2004	04-4656-02MSD	D		D			
169-EX34	169-EX34-SS0 0	Normal Field Sample	Soil	0	09/23/2004	04-4656-03	D		D	D	D	
169-EX37	169-EX37-SS0 0	Normal Field Sample	Soil	0	09/23/2004	04-4656-04	D		X	D	D	
169-EX38	169-EX38-SS0 0	Normal Field Sample	Soil	0	09/23/2004	04-4656-05	D		D	D	D	
169-EX33	169-EX467-SS0 0 (FD)	Field Duplicate	Soil	0	09/23/2004	04-4656-06	D		D	D	D	
169-EX18	169-EX18-SS0.0	Normal Field Sample	Soil	0	09/24/2004	04-4681-01	D		D	D	D	
169-EX24	169-EX476A-SS0 0 (FD)	Field Duplicate	Soil	0	09/24/2004	04-4681-011			D			
169-EX18	169-EX18-SS0.0 (MS)	Matrix Spike	Soil	0	09/24/2004	04-4681-01MS				D	D	
169-EX18	169-EX18-SS0.0 (MSD)	Matrix Spike Duplicate	Soil	0	09/24/2004	04-4681-01MSD				D	D	
169-EX19	169-EX19-SS0.0	Normal Field Sample	Soil	0	09/24/2004	04-4681-02	D		D	D	D	
169-EX24	169-EX24A-SS0.0	Normal Field Sample	Soil	0	09/24/2004	04-4681-03			D			
169-EX25	169-EX25A-SS0 0	Normal Field Sample	Soil	0	09/24/2004	04-4681-04			D			
169-EX25	169-EX25A-SS0 0 (MS)	Matrix Spike	Soil	0	09/24/2004	04-4681-04MS			D			
169-EX25	169-EX25A-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	09/24/2004	04-4681-04MSD			D			
169-EX26	169-EX26A-SS0 0	Normal Field Sample	Soil	0	09/24/2004	04-4681-05	D		D			
169-EX27	169-EX27-SS0 0	Normal Field Sample	Soil	0	09/24/2004	04-4681-06	D		D	D	D	
169-EX47	169-EX47A-SS0.0	Normal Field Sample	Soil	0	09/24/2004	04-4681-07			D			
169-EX48	169-EX48A-SS0 0	Normal Field Sample	Soil	0	09/24/2004	04-4681-08			D			
169-EX49	169-EX49A-SS0.0	Normal Field Sample	Soil	0	09/24/2004	04-4681-09			D			
169-EX51	169-EX51A-SS0.0	Normal Field Sample	Soil	0	09/24/2004	04-4681-10			D			
169-EX39	169-EX39-SS0 0	Normal Field Sample	Soil	0	09/28/2004	04-4710-01	X		X	D	D	
169-EX39	169-EX39-SS0 0 (MS)	Matrix Spike	Soil	0	09/28/2004	04-4710-01MS	X		X	D	D	
169-EX39	169-EX39-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	09/28/2004	04-4710-01MSD	X		X	D	D	
169-EX40	169-EX40-SS0.0	Normal Field Sample	Soil	0	09/29/2004	04-4731-01	D		D	D	D	
169-EX41	169-EX41-SS0.0	Normal Field Sample	Soil	0	09/29/2004	04-4731-02	D		D	D	D	
169-EX42	169-EX42-SS0.0	Normal Field Sample	Soil	0	09/29/2004	04-4731-03	D		X	D	D	
169-EX43	169-EX43-SS0.0	Normal Field Sample	Soil	0	09/29/2004	04-4731-04	D		D	D	D	
169-EX43	169-EX457-SS0 0 (FD)	Field Duplicate	Soil	0	09/29/2004	04-4731-05	D		D	D	D	
169-EX43	169-EX457-SS0.0 (MS)	Matrix Spike	Soil	0	09/29/2004	04-4731-05MS				D	D	
169-EX43	169-EX457-SS0.0 (MSD)	Matrix Spike Duplicate	Soil	0	09/29/2004	04-4731-05MSD				D	D	

TABLE D-1

SAMPLES COLLECTED
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA
(Page 5 of 5)

Location	Field Sample Identification	Sample Type	Matrix	Collection Depth (ft. bgs)	Collection Date	APCL Laboratory Sample Identification	Analysis Performed: PAHs by SW8270C SIM	TPH-d/mo by SW8015B modified	PCBs by SW8082	ICP Metals by SW6010B	Mercury by SW7471A	Oil & Grease by E413.2
169-EX16	169-EX16-SS0 0	Normal Field Sample	Soil	0	09/30/2004	04-4747-01	D		D	D	D	
169-EX17	169-EX17-SS0 0	Normal Field Sample	Soil	0	09/30/2004	04-4747-02	D		D	D	D	
169-EX17	169-EX17-SS0 0 (MS)	Matrix Spike	Soil	0	09/30/2004	04-4747-02MS			D			
169-EX17	169-EX17-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	09/30/2004	04-4747-02MSD			D			
169-EX20	169-EX20-SS0 0	Normal Field Sample	Soil	0	09/30/2004	04-4747-03	D		D	D	D	
169-EX21	169-EX21-SS0 0	Normal Field Sample	Soil	0	09/30/2004	04-4747-04	D		D	D	D	
169-EX22	169-EX22A-SS0 0	Normal Field Sample	Soil	0	09/30/2004	04-4747-05	X		D			
169-EX23	169-EX23A-SS0 0	Normal Field Sample	Soil	0	09/30/2004	04-4747-06	D		D			
169-EX44	169-EX44A-SS0 0	Normal Field Sample	Soil	0	09/30/2004	04-4747-07	D		D	D	D	
169-EX49	169-EX49A-SS0 0	Normal Field Sample	Soil	0	09/24/2004	04-4826-01				D		
169-EX49	169-EX49A-SS0 0 (MS)	Matrix Spike	Soil	0	09/24/2004	04-4826-01MS				D		
169-EX49	169-EX49A-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	09/24/2004	04-4826-01MSD				D		
169-EX22	169-EX22B-SS0 0	Normal Field Sample	Soil	0	10/12/2004	04-4872-01	D					
169-EX22	169-EX22B-SS0 0 (MS)	Matrix Spike	Soil	0	10/12/2004	04-4872-01MS				X		
169-EX22	169-EX22B-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	10/12/2004	04-4872-01MSD				X		
169-EX28	169-EX28A-SS0 0	Normal Field Sample	Soil	0	10/12/2004	04-4872-02			D			
169-EX37	169-EX37A-SS0 0	Normal Field Sample	Soil	0	10/12/2004	04-4872-03			D			
169-EX39	169-EX39A-SS0 0	Normal Field Sample	Soil	0	10/12/2004	04-4872-04	D		D	X		
169-EX39	169-EX39A-SS0 0 (MS)	Matrix Spike	Soil	0	10/12/2004	04-4872-04MS			D			
169-EX39	169-EX39A-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	10/12/2004	04-4872-04MSD			D			
169-EX60	169-EX60A-SS0 0	Normal Field Sample	Soil	0	10/12/2004	04-4872-05	D					
169-EX60	169-EX60A-SS0 0 (MS)	Matrix Spike	Soil	0	10/12/2004	04-4872-05MS	D					
169-EX60	169-EX60A-SS0 0 (MSD)	Matrix Spike Duplicate	Soil	0	10/12/2004	04-4872-05MSD	D					
169-EX42	169-EX42A-SS0 0	Normal Field Sample	Soil	0	10/13/2004	04-4896-01			D			

AOC - Area of Concern
APCL - Applied P & Ch Laboratory
D - sample fraction collected, analyzed, verified, and validated
DRMO - Defense Reutilization and Marketing Office
FD - field duplicate
ft. bgs - feet below ground surface
ICP - inductively coupled plasma
MS - matrix spike
MSD - matric spike duplicate
PAHs - polycyclic aromatic hydrocarbons
PCBs - polychlorinated biphenyls
SIM - selected ion monitoring
TO - Task Order
TPH-d/mo - total petroleum hydrocarbons as diesel and motor oil
X - sample fraction collected and analyzed, but not verified or validated

TABLE D-2

SUMMARY OF FINAL QUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Laboratory Identification	Field Sample Identification	Sample Location	Logdate	Method	Parameter	Result	RL	Units	Final Qualifier	Reason
04-2683-3RE	169-S33-SS0.0	169-S33	4/20/2004	SW8082	PCB-1016 (Aroclor 1016)	<57	57	µg/kg	J	13b
				SW8082	PCB-1221 (Aroclor 1221)	<57	57	µg/kg	J	13b
				SW8082	PCB-1232 (Aroclor 1232)	<57	57	µg/kg	J	13b
				SW8082	PCB-1242 (Aroclor 1242)	<57	57	µg/kg	J	13b
				SW8082	PCB-1248 (Aroclor 1248)	<57	57	µg/kg	J	13b
				SW8082	PCB-1254 (Aroclor 1254)	<57	57	µg/kg	J	13b
				SW8082	PCB-1260 (Aroclor 1260)	171	57	µg/kg	J	13b
04-3965-1	169-EX01-SS0.0	169-EX01	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	54.7	260	µg/kg	MF	23a,09a
				BNASIM	Chrysene (SIM)	33.7	260	µg/kg	MF	23a,09a
				SW6010	Aluminum	6100	21	mg/kg	J	14a
				SW6010	Chromium	36.0	1.1	mg/kg	J	14a
				SW6010	Copper	37.5	2.1	mg/kg	J	14a
				SW6010	Lead	50.9	3.2	mg/kg	J	14a
				SW7470/SW7471	Mercury	2.8	0.32	mg/kg	J	14a
				SW8082	PCB-1254 (Aroclor 1254)	143	53	µg/kg	J	19x
04-3965-2	169-EX02-SS0.0	169-EX02	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	24.5	26	µg/kg	MF	23a,09a
				BNASIM	Chrysene (SIM)	11.3	26	µg/kg	MF	23a,09a
				SW6010	Aluminum	4870	21	mg/kg	J	14a
				SW6010	Chromium	24.4	1.0	mg/kg	J	14a
				SW6010	Copper	13.6	2.1	mg/kg	J	14a
				SW6010	Lead	19.5	3.1	mg/kg	J	14a
				SW7470/SW7471	Mercury	1.4	0.10	mg/kg	J	14a
				SW8082	PCB-1254 (Aroclor 1254)	80.7	52	µg/kg	J	19x
04-3965-3	169-EX03-SS0.0	169-EX03	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	1.0	26	µg/kg	MF	23a,09a
				BNASIM	Chrysene (SIM)	<26	26	µg/kg	M	09a
				SW6010	Aluminum	4140	21	mg/kg	J	14a
				SW6010	Chromium	14.9	1.0	mg/kg	J	14a
				SW6010	Copper	6.4	2.1	mg/kg	J	14a

TABLE D-2

SUMMARY OF FINAL QUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Laboratory Identification	Field Sample Identification	Sample Location	Logdate	Method	Parameter	Result	RL	Units	Final Qualifier	Reason
				SW6010	Lead	6.9	3.1	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.25	0.10	mg/kg	J	14a
				SW8082	PCB-1254 (Aroclor 1254)	149	52	µg/kg	J	19x
04-3965-4	169-EX04-SS0.0	169-EX04	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	12.6	26	µg/kg	MF	23a,09a
				BNASIM	Chrysene (SIM)	7.2	26	µg/kg	MF	23a,09a
				SW6010	Aluminum	4420	21	mg/kg	J	14a
				SW6010	Chromium	26.8	1.0	mg/kg	J	14a
				SW6010	Copper	22.8	2.1	mg/kg	J	14a
				SW6010	Lead	39.6	3.1	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.30	0.10	mg/kg	J	14a
				SW8082	PCB-1254 (Aroclor 1254)	498	52	µg/kg	J	19x
04-3965-5	169-EX05-SS0.0	169-EX05	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	4.9	26	µg/kg	MF	23a,09a
				BNASIM	Chrysene (SIM)	2.8	26	µg/kg	MF	23a,09a
				SW6010	Aluminum	3600	21	mg/kg	J	14a
				SW6010	Chromium	19.4	1.0	mg/kg	J	14a
				SW6010	Copper	8.6	2.1	mg/kg	J	14a
				SW6010	Lead	13.2	3.1	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.12	0.10	mg/kg	J	14a
				SW8082	PCB-1254 (Aroclor 1254)	119	52	µg/kg	J	19x
04-3965-6	169-EX06-SS0.0	169-EX06	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	2.1	26	µg/kg	MF	23a,09a
				BNASIM	Chrysene (SIM)	1.1	26	µg/kg	MF	23a,09a
				SW6010	Aluminum	3880	21	mg/kg	J	14a
				SW6010	Chromium	13.3	1.0	mg/kg	J	14a
				SW6010	Copper	7.8	2.1	mg/kg	J	14a
				SW6010	Lead	10.1	3.1	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.17	0.10	mg/kg	J	14a
04-3965-7	169-EX07-SS0.0	169-EX07	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	1.7	26	µg/kg	MF	23a,09a
				BNASIM	Chrysene (SIM)	1.0	26	µg/kg	MF	23a,09a
				SW6010	Aluminum	4250	21	mg/kg	J	14a
				SW6010	Chromium	24.4	1.0	mg/kg	J	14a

TABLE D-2

SUMMARY OF FINAL QUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Laboratory Identification	Field Sample Identification	Sample Location	Logdate	Method	Parameter	Result	RL	Units	Final Qualifier	Reason
				SW6010	Copper	7.3	2.1	mg/kg	J	14a
				SW6010	Lead	9.2	3.1	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.096	0.10	mg/kg	JF	23a,14a
04-3965-8	169-EX08-SS0.0	169-EX08	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	8.2	28	µg/kg	MF	23a,09a
				BNASIM	Chrysene (SIM)	5.0	28	µg/kg	MF	23a,09a
				SW6010	Aluminum	5730	22	mg/kg	J	14a
				SW6010	Chromium	15.9	1.1	mg/kg	J	14a
				SW6010	Copper	12.3	2.2	mg/kg	J	14a
				SW6010	Lead	9.5	3.3	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.053	0.11	mg/kg	JF	23a,14a
				SW8082	PCB-1254 (Aroclor 1254)	127	56	µg/kg	J	19x
04-3965-9	169-EX09-SS0.0	169-EX09	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	4.6	28	µg/kg	MF	23a,09a
				BNASIM	Chrysene (SIM)	2.9	28	µg/kg	MF	23a,09a
				SW6010	Aluminum	4520	23	mg/kg	J	14a
				SW6010	Chromium	20.8	1.1	mg/kg	J	14a
				SW6010	Copper	11.8	2.3	mg/kg	J	14a
				SW6010	Lead	11.0	3.4	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.099	0.11	mg/kg	JF	23a,14a
				SW8082	PCB-1254 (Aroclor 1254)	125	57	µg/kg	J	19x
04-3965-10	169-EX10-SS0.0	169-EX10	8/4/2004	SW6010	Aluminum	9570	21	mg/kg	J	14a
				SW6010	Chromium	72.6	1.1	mg/kg	J	14a
				SW6010	Copper	289	2.1	mg/kg	J	14a
				SW6010	Lead	226	3.2	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.35	0.11	mg/kg	J	14a
04-3965-11	169-EX11-SS0.0	169-EX11	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	32.4	28	µg/kg	M	09a
				BNASIM	Chrysene (SIM)	47.9	28	µg/kg	M	09a
				SW6010	Aluminum	3400	23	mg/kg	J	14a
				SW6010	Chromium	16.5	1.1	mg/kg	J	14a

TABLE D-2

SUMMARY OF FINAL QUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Laboratory Identification	Field Sample Identification	Sample Location	Logdate	Method	Parameter	Result	RL	Units	Final Qualifier	Reason
				SW6010	Copper	96.8	2.3	mg/kg	J	14a
				SW6010	Lead	37.4	3.4	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.27	0.11	mg/kg	J	14a
04-3965-12	169-EX12-SS0.0	169-EX12	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	1.4	26	µg/kg	MF	23a,09a
				BNASIM	Chrysene (SIM)	<26	26	µg/kg	M	09a
				SW6010	Aluminum	4110	21	mg/kg	J	14a
				SW6010	Chromium	12.2	1.0	mg/kg	J	14a
				SW6010	Copper	7.6	2.1	mg/kg	J	14a
				SW6010	Lead	12.2	3.1	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.11	0.10	mg/kg	J	14a
04-3965-13	169-EX13-SS0.0	169-EX13	8/4/2004	SW6010	Aluminum	3910	21	mg/kg	J	14a
				SW6010	Chromium	17.0	1.1	mg/kg	J	14a
				SW6010	Copper	43.2	2.1	mg/kg	J	14a
				SW6010	Lead	24.0	3.2	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.13	0.11	mg/kg	J	14a
04-3965-14	169-EX87-SS0.0	169-EX13	8/4/2004	SW6010	Aluminum	4550	21	mg/kg	J	14a
				SW6010	Chromium	20.2	1.1	mg/kg	J	14a
				SW6010	Copper	31.7	2.1	mg/kg	J	14a
				SW6010	Lead	36.9	3.2	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.16	0.11	mg/kg	J	14a
04-3965-15	169-EX97-SS0.0	169-EX03	8/4/2004	BNASIM	Benzo(k)fluoranthene (SIM)	1.8	26	µg/kg	MF	23a,09a
				BNASIM	Chrysene (SIM)	<26	26	µg/kg	M	09a
				SW6010	Aluminum	2220	21	mg/kg	J	14a
				SW6010	Chromium	9.9	1.0	mg/kg	J	14a
				SW6010	Copper	5.1	2.1	mg/kg	J	14a
				SW6010	Lead	7.4	3.1	mg/kg	J	14a
				SW7470/SW7471	Mercury	0.13	0.10	mg/kg	J	14a
04-3976-1	169-EX14-SS0.0	169-EX14	8/5/2004	SW6010	Chromium	38.2	1.1	mg/kg	J	14a
				SW6010	Lead	115	3.2	mg/kg	J	14a
				SW6010	Zinc	723	2.1	mg/kg	J	14a

TABLE D-2

SUMMARY OF FINAL QUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Laboratory Identification	Field Sample Identification	Sample Location	Logdate	Method	Parameter	Result	RL	Units	Final Qualifier	Reason
04-3976-2	169-EX15-SS0.0	169-EX15	8/5/2004	SW6010	Chromium	106	1.1	mg/kg	J	14a
				SW6010	Lead	310	3.2	mg/kg	J	14a
				SW6010	Zinc	2110	2.2	mg/kg	J	14a
04-3976-3	169-EX22-SS0.0	169-EX22	8/5/2004	SW6010	Chromium	33.9	1.1	mg/kg	J	14a
				SW6010	Lead	115	3.2	mg/kg	J	14a
				SW6010	Zinc	670	2.1	mg/kg	J	14a
04-3976-4	169-EX23-SS0.0	169-EX23	8/5/2004	SW6010	Chromium	36.6	1.1	mg/kg	J	14a
				SW6010	Lead	129	3.2	mg/kg	J	14a
				SW6010	Zinc	743	2.1	mg/kg	J	14a
04-3976-5	169-EX24-SS0.0	169-EX24	8/5/2004	SW6010	Chromium	17.4	1.1	mg/kg	J	14a
				SW6010	Lead	59.5	3.2	mg/kg	J	14a
				SW6010	Zinc	166	2.1	mg/kg	J	14a
				SW8082	PCB-1254 (Aroclor 1254)	326	53	µg/kg	J	19x
04-3976-6	169-EX58-SS0.0	169-EX58	8/5/2004	SW6010	Chromium	16.2	1.1	mg/kg	J	14a
				SW6010	Lead	18.5	3.3	mg/kg	J	14a
				SW6010	Zinc	42.2	2.2	mg/kg	J	14a
				SW8082	PCB-1254 (Aroclor 1254)	29.3	54	µg/kg	JF	23a,19x
04-3976-11	169-EX477-SS0.0	169-EX23	8/5/2004	SW6010	Chromium	15.6	1.1	mg/kg	J	14a
				SW6010	Lead	39.3	3.2	mg/kg	J	14a
				SW6010	Zinc	440	2.1	mg/kg	J	14a
04-4079-1	169-EX45-SS0.0	169-EX45	8/12/2004	SW6010	Iron	7670	3.1	mg/kg	J	14a
				SW8082	PCB-1254 (Aroclor 1254)	16.2	52	µg/kg	JF	23a,19x
04-4079-2	169-EX46-SS0.0	169-EX46	8/12/2004	SW6010	Iron	7260	3.1	mg/kg	J	14a
04-4079-3	169-EX47-SS0.0	169-EX47	8/12/2004	SW6010	Iron	7080	3.2	mg/kg	J	14a
04-4079-4	169-EX48-SS0.0	169-EX48	8/12/2004	SW6010	Iron	6880	3.1	mg/kg	J	14a
04-4079-5	169-EX49-SS0.0	169-EX49	8/12/2004	SW6010	Iron	10400	3.1	mg/kg	J	14a
04-4079-6	169-EX50-SS0.0	169-EX50	8/12/2004	SW6010	Iron	6220	3.1	mg/kg	J	14a
04-4079-7	169-EX51-SS0.0	169-EX51	8/12/2004	SW6010	Iron	6390	3.1	mg/kg	J	14a
				SW8082	PCB-1254 (Aroclor 1254)	428	52	µg/kg	J	19x

TABLE D-2

SUMMARY OF FINAL QUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Laboratory Identification	Field Sample Identification	Sample Location	Logdate	Method	Parameter	Result	RL	Units	Final Qualifier	Reason
04-4079-8	169-EX52-SS0.0	169-EX52	8/12/2004	SW6010	Iron	8530	3.2	mg/kg	J	14a
				SW8082	PCB-1254 (Aroclor 1254)	22.8	53	µg/kg	JF	23a,19x
04-4079-9	169-EX53-SS0.0	169-EX53	8/12/2004	SW6010	Iron	6760	3.2	mg/kg	J	14a
04-4079-10	169-EX54-SS0.0	169-EX54	8/12/2004	SW6010	Iron	6820	3.2	mg/kg	J	14a
04-4079-11	169-EX55-SS0.0	169-EX55	8/12/2004	SW6010	Iron	7960	3.1	mg/kg	J	14a
04-4079-12	169-EX56-SS0.0	169-EX56	8/12/2004	SW6010	Iron	5130	3.1	mg/kg	J	14a
04-4079-13	169-EX57-SS0.0	169-EX57	8/12/2004	SW6010	Iron	4700	3.1	mg/kg	J	14a
04-4079-17	169-EX64-SS0.0	169-EX64	8/12/2004	SW6010	Iron	6130	3.1	mg/kg	J	14a
04-4079-18	169-EX67-SS0.0	169-EX67	8/12/2004	SW6010	Iron	7140	3.4	mg/kg	J	14a
04-4079-20	169-EX447-SS0.0	169-EX53	8/12/2004	SW6010	Iron	10400	3.1	mg/kg	J	14a
04-4656-1	169-EX28-SS0.0	169-EX28	9/23/2004	SW6010	Aluminum	4930	21	mg/kg	J	14a
04-4656-2	169-EX33-SS0.0	169-EX33	9/23/2004	SW6010	Aluminum	4060	21	mg/kg	J	14a
04-4656-3	169-EX34-SS0.0	169-EX34	9/23/2004	SW6010	Aluminum	4110	21	mg/kg	J	14a
04-4656-4	169-EX37-SS0.0	169-EX37	9/23/2004	SW6010	Aluminum	11500	22	mg/kg	J	14a
04-4656-5	169-EX38-SS0.0	169-EX38	9/23/2004	SW6010	Aluminum	4930	21	mg/kg	J	14a
04-4656-6	169-EX467-SS0.0	169-EX33	9/23/2004	SW6010	Aluminum	2860	20	mg/kg	J	14a
04-4710-1	169-EX39-SS0.0	169-EX39	9/28/2004	SW6010	Aluminum	7110	210	mg/kg	J	16a,16b
				SW6010	Barium	65.8	10	mg/kg	M	08b
				SW6010	Iron	50800	31	mg/kg	J	16d
				SW6010	Zinc	3400	21	mg/kg	J	16d

TABLE D-2

SUMMARY OF FINAL QUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Laboratory Identification	Field Sample Identification	Sample Location	Logdate	Method	Parameter	Result	RL	Units	Final Qualifier	Reason

F - The detected concentration is less than the reporting limit and greater than the method detection limit.
AOC - Area of Concern
DRMO - Defense Reutilization and Marketing Office
J - Result is qualified as estimated.
M - A matrix effect is present.
MDL - method detection limit
µg/kg - microgram per kilogram
mg/kg - milligrams per kilogram
RE - reextraction
RL - reporting limit
SIM - selected ion monitoring

[a] Data flag descriptions:
08b - Percent recovery of parameter in the matrix spike (MS) or matrix spike duplicate (MSD) sample was greater than the upper control limit
09a - MS/MSD relative percent difference was greater than the control limit
13b - Recovery for one or more surrogate compound is less than the lower control limit
14a - Field duplicate relative percent difference is great than the control limit
16a - Percent difference in the serial dilution is greater than the control limit
16b - Recovery for analyte in the post-digestion spike is less than the lower control limit
16d - Serial dilutions were not analyzed
19x - Other compound identification or quantitation issues as defined in the laboratory report
23a - Trace value, concentration is between the laboratory's MDL and RL

TABLE D-3

REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary
169-CS15-SS0.0	03-3585-15	PCB-1016 (Aroclor 1016)	<51	51	µg/kg	M	Null	Null	The %Rs for PCB-1016 and PCB-1260 in the MS and MSD were 36 & 35 and 156 & 152, respectively. These are, respectively, less than the lower control limit of 40% and greater than the upper control limit of 130%. The spiked sample (169-CS10-SS0.0) contained 3530 µg/kg of PCB-1254. The peaks associated with PCB-1254 likely contributed to the out-of-control recoveries of PCB-1016 and PCB-1260. Since the associated sample contained only PCB-1254, the "M" flags were removed.
		PCB-1221 (Aroclor 1221)	<51	51	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<51	51	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<51	51	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<51	51	µg/kg	M	Null	Null	
		PCB-1254 (Aroclor 1254)	172	51	µg/kg	M	Null	Null	
		PCB-1260 (Aroclor 1260)	<51	51	µg/kg	M	Null	Null	

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REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary
169-S16-SS0.0	03-3585-33	PCB-1016 (Aroclor 1016)	<58	58	µg/kg	M	Null	Null	The %Rs for PCB-1016 and PCB-1260 in the MS and MSD were 351 & 305 and 1550 & 1300, respectively. These are greater than the upper control limit of 130%. The spiked sample (169-S09-SS0.0) contained 4300 µg/kg of PCB-1254. The peaks associated with PCB-1254 likely contributed to the out-of-control recoveries of PCB-1016 and PCB-1260. Since the associated samples contained only PCB-1254, the "M" flags were removed.
		PCB-1221 (Aroclor 1221)	<58	58	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<58	58	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<58	58	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<58	58	µg/kg	M	Null	Null	
		PCB-1254 (Aroclor 1254)	102	58	µg/kg	M	Null	Null	
		PCB-1260 (Aroclor 1260)	<58	58	µg/kg	M	Null	Null	
169-S20-SS0.0	03-3585-37	PCB-1016 (Aroclor 1016)	<50	50	µg/kg	M	Null	Null	
		PCB-1221 (Aroclor 1221)	<50	50	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<50	50	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<50	50	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<50	50	µg/kg	M	Null	Null	
		PCB-1254 (Aroclor 1254)	50.3	50	µg/kg	M	Null	Null	
		PCB-1260 (Aroclor 1260)	<50	50	µg/kg	M	Null	Null	
169-S21-SS0.0	03-3585-38	PCB-1016 (Aroclor 1016)	<51	51	µg/kg	M	Null	Null	
		PCB-1221 (Aroclor 1221)	<51	51	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<51	51	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<51	51	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<51	51	µg/kg	M	Null	Null	
		PCB-1254 (Aroclor 1254)	115	51	µg/kg	M	Null	Null	
		PCB-1260 (Aroclor 1260)	<51	51	µg/kg	M	Null	Null	

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REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary
AOC-169-S33	04-2683-03RE	PCB-1016 (Aroclor 1016)	<57	57	µg/kg	R	J	13b	Surrogate recoveries for DCB and TCMX were 44 and 43%, respectively, less than the lower control limit of 45%, in the initial analysis of this sample. The sample was re-extracted, and the recovery for DCB was within control, but the recovery for TCMX remained out-of-control at 43%, so the results were rejected for non-detected PCBs and estimated for the detected PCB-1260. Since the recovery was just slightly lower than the control limit, and the MDLs are 1 to 2 orders of magnitude less than the RLs, and the PRG is more than 1 order of magnitude greater than the RLs, the results were unrejected and flagged with "J."
		PCB-1221 (Aroclor 1221)	<57	57	µg/kg	R	J	13b	
		PCB-1232 (Aroclor 1232)	<57	57	µg/kg	R	J	13b	
		PCB-1242 (Aroclor 1242)	<57	57	µg/kg	R	J	13b	
		PCB-1248 (Aroclor 1248)	<57	57	µg/kg	R	J	13b	
		PCB-1254 (Aroclor 1254)	<57	57	µg/kg	R	J	13b	

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REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary
169-EX01-SS0.0	04-3965-01	Aluminum	6100	21	mg/kg	MJ	J	14a	The amount spiked was less than 10 times that in the native sample. Inability to recover small amount relative to the native concentration does not realistically represent a matrix effect, so the "M" flag was removed.
		Iron	12600	3.2	mg/kg	M	Null	Null	
169-EX02-SS0.0	04-3965-02	Aluminum	4870	21	mg/kg	MJ	J	14a	
		Iron	9040	3.1	mg/kg	M	Null	Null	
169-EX03-SS0.0	04-3965-03	Aluminum	4140	21	mg/kg	MJ	J	14a	
		Iron	7050	3.1	mg/kg	M	Null	Null	
169-EX04-SS0.0	04-3965-04	Aluminum	4420	21	mg/kg	MJ	J	14a	
		Iron	10500	3.1	mg/kg	M	Null	Null	
169-EX05-SS0.0	04-3965-05	Aluminum	3600	21	mg/kg	MJ	J	14a	
		Iron	10600	3.1	mg/kg	M	Null	Null	
169-EX06-SS0.0	04-3965-06	Aluminum	3880	21	mg/kg	MJ	J	14a	
		Iron	6830	3.1	mg/kg	M	Null	Null	
169-EX07-SS0.0	04-3965-07	Aluminum	4250	21	mg/kg	MJ	J	14a	
		Iron	7150	3.1	mg/kg	M	Null	Null	
169-EX08-SS0.0	04-3965-08	Aluminum	5730	22	mg/kg	MJ	J	14a	
		Iron	7290	3.3	mg/kg	M	Null	Null	
169-EX09-SS0.0	04-3965-09	Aluminum	4520	23	mg/kg	MJ	J	14a	
		Iron	9880	3.4	mg/kg	M	Null	Null	
169-EX10-SS0.0	04-3965-10	Aluminum	9570	21	mg/kg	MJ	J	14a	
		Iron	49300	3.2	mg/kg	M	Null	Null	
169-EX11-SS0.0	04-3965-11	Aluminum	3400	23	mg/kg	MJ	J	14a	
		Iron	9970	3.4	mg/kg	M	Null	Null	
169-EX12-SS0.0	04-3965-12	Aluminum	4110	21	mg/kg	MJ	J	14a	
		Iron	6820	3.1	mg/kg	M	Null	Null	
169-EX13-SS0.0	04-3965-13	Aluminum	3910	21	mg/kg	MJ	J	14a	
		Iron	7720	3.2	mg/kg	M	Null	Null	
169-EX87-SS0.0	04-3965-14	Aluminum	4550	21	mg/kg	MJ	J	14a	
		Iron	8960	3.2	mg/kg	M	Null	Null	
169-EX97-SS0.0	04-3965-15	Aluminum	2220	21	mg/kg	MJ	J	14a	
		Iron	5840	3.1	mg/kg	M	Null	Null	

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REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary
169-EX25-SS0.0	04-4016-01	Aluminum	5750	21	mg/kg	M	Null	Null	The amount spiked was less than 10 times that in the native sample for aluminum and iron and less than 4 times that for zinc. Inability to recover small amount relative to the native concentration does not realistically represent a matrix effect, so the "M" flag was removed.
		Iron	6680	3.1	mg/kg	M	Null	Null	
		Zinc	145	2.1	mg/kg	M	Null	Null	
169-EX26-SS0.0	04-4016-02	Aluminum	6440	21	mg/kg	M	Null	Null	
		Iron	12500	3.1	mg/kg	M	Null	Null	
		Zinc	542	2.1	mg/kg	M	Null	Null	
169-EX59-SS0.0	04-4016-03	Aluminum	11300	22	mg/kg	M	Null	Null	
		Iron	9660	3.3	mg/kg	M	Null	Null	
		Zinc	57.3	2.2	mg/kg	M	Null	Null	
169-EX45-SS0.0	04-4079-01	Aluminum	5760	21	mg/kg	M	Null	Null	The amount spiked was less than 10 times that in the native sample. Inability to recover small amount relative to the native concentration does not realistically represent a matrix effect, so the "M" flag was removed.
		Iron	7670	3.1	mg/kg	MJ	J	14a	
169-EX46-SS0.0	04-4079-02	Aluminum	5370	21	mg/kg	M	Null	Null	
		Iron	7260	3.1	mg/kg	MJ	J	14a	
169-EX47-SS0.0	04-4079-03	Aluminum	5330	21	mg/kg	M	Null	Null	
		Iron	7080	3.2	mg/kg	MJ	J	14a	
169-EX48-SS0.0	04-4079-04	Aluminum	4850	21	mg/kg	M	Null	Null	
		Iron	6880	3.1	mg/kg	MJ	J	14a	
169-EX49-SS0.0	04-4079-05	Aluminum	5530	21	mg/kg	M	Null	Null	
		Iron	10400	3.1	mg/kg	MJ	J	14a	
169-EX50-SS0.0	04-4079-06	Aluminum	4230	21	mg/kg	M	Null	Null	
		Iron	6220	3.1	mg/kg	MJ	J	14a	
169-EX51-SS0.0	04-4079-07	Aluminum	3890	21	mg/kg	M	Null	Null	
		Iron	6390	3.1	mg/kg	MJ	J	14a	
169-EX52-SS0.0	04-4079-08	Aluminum	5090	21	mg/kg	M	Null	Null	
		Iron	8530	3.2	mg/kg	MJ	J	14a	
169-EX53-SS0.0	04-4079-09	Aluminum	5440	21	mg/kg	M	Null	Null	
		Iron	6760	3.2	mg/kg	MJ	J	14a	
169-EX54-SS0.0	04-4079-10	Aluminum	4750	21	mg/kg	M	Null	Null	
		Iron	6820	3.2	mg/kg	MJ	J	14a	
169-EX55-SS0.0	04-4079-11	Aluminum	4190	21	mg/kg	M	Null	Null	
		Iron	7960	3.1	mg/kg	MJ	J	14a	
169-EX56-SS0.0	04-4079-12	Aluminum	4420	21	mg/kg	M	Null	Null	

TABLE D-3

REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary
		Iron	5130	3.1	mg/kg	MJ	J	14a	
169-EX57-SS0.0	04-4079-13	Aluminum	4090	21	mg/kg	M	Null	Null	
		Iron	4700	3.1	mg/kg	MJ	J	14a	
169-EX61-SS0.0	04-4079-14	Aluminum	3110	20	mg/kg	M	Null	Null	
		Iron	3560	3.1	mg/kg	M	Null	Null	
169-EX62-SS0.0	04-4079-15	Aluminum	2740	22	mg/kg	M	Null	Null	
		Iron	3010	3.3	mg/kg	M	Null	Null	
169-EX63-SS0.0	04-4079-16	Aluminum	2360	20	mg/kg	M	Null	Null	
		Iron	3260	3.1	mg/kg	M	Null	Null	
169-EX64-SS0.0	04-4079-17	Aluminum	4260	21	mg/kg	M	Null	Null	
		Iron	6130	3.1	mg/kg	MJ	J	14a	
169-EX67-SS0.0	04-4079-18	Aluminum	5740	22	mg/kg	M	Null	Null	
		Iron	7140	3.4	mg/kg	MJ	J	14a	
169-EX437-SS0.0	04-4079-19	Aluminum	2740	21	mg/kg	M	Null	Null	
		Iron	3150	3.1	mg/kg	M	Null	Null	
169-EX447-SS0.0	04-4079-20	Aluminum	4780	21	mg/kg	M	Null	Null	
		Iron	10400	3.1	mg/kg	MJ	J	14a	
169-EX10A-SS0.0	04-4577-02	Iron	6290	3.2	mg/kg	M	Null	Null	The amount spiked was less than 10 times that in the native sample. Inability to recover small amount relative to the native concentration does not realistically represent a matrix effect, so the "M" flag was removed.
169-EX15A-SS0.0	04-4577-07	Iron	6550	3.3	mg/kg	M	Null	Null	

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REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary
169-EX30-SS0.0	04-4609-01	Aluminum	3190	20	mg/kg	M	Null	Null	The amount spiked was less than 10 times that in the native sample. Inability to recover small amount relative to the native concentration does not realistically represent a matrix effect, so the "M" flag was removed.
		Iron	5140	3.1	mg/kg	M	Null	Null	
169-EX31-SS0.0	04-4609-02	Aluminum	2700	21	mg/kg	M	Null	Null	
		Iron	4370	3.1	mg/kg	M	Null	Null	
169-EX29-SS0.0	04-4651-01	Aluminum	3210	21	mg/kg	M	Null	Null	The amount spiked was less than 10 times that in the native sample. Inability to recover small amount relative to the native concentration does not realistically represent a matrix effect, so the "M" flag was removed.
		Iron	6120	3.1	mg/kg	M	Null	Null	
169-EX32-SS0.0	04-4651-02	Aluminum	3400	21	mg/kg	M	Null	Null	
		Iron	5140	3.1	mg/kg	M	Null	Null	
169-EX35-SS0.0	04-4651-03	Aluminum	4840	20	mg/kg	M	Null	Null	
		Iron	6240	3.1	mg/kg	M	Null	Null	
169-EX36-SS0.0	04-4651-04	Aluminum	3730	21	mg/kg	M	Null	Null	
		Iron	8600	3.1	mg/kg	M	Null	Null	
169-EX60-SS0.0	04-4651-05	Aluminum	12400	22	mg/kg	M	Null	Null	
		Iron	16100	3.3	mg/kg	M	Null	Null	
169-EX28-SS0.0	04-4656-01	Aluminum	4930	21	mg/kg	MJ	J	14a	
		Iron	7960	3.1	mg/kg	M	Null	Null	
169-EX33-SS0.0	04-4656-02	Aluminum	4060	21	mg/kg	MJ	J	14a	
		Iron	4520	3.1	mg/kg	M	Null	Null	
169-EX34-SS0.0	04-4656-03	Aluminum	4110	21	mg/kg	MJ	J	14a	
		Iron	5310	3.1	mg/kg	M	Null	Null	
169-EX37-SS0.0	04-4656-04	Aluminum	11500	22	mg/kg	MJ	J	14a	
		Iron	9910	3.3	mg/kg	M	Null	Null	
169-EX38-SS0.0	04-4656-05	Aluminum	4930	21	mg/kg	MJ	J	14a	
		Iron	6300	3.2	mg/kg	M	Null	Null	
169-EX467-SS0.0	04-4656-06	Aluminum	2860	20	mg/kg	MJ	J	14a	
		Iron	6100	3.1	mg/kg	M	Null	Null	
169-EX18-SS0.0	04-4681-01	Aluminum	3890	22	mg/kg	M	Null	Null	
		Iron	4880	3.3	mg/kg	M	Null	Null	

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REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary
169-EX19-SS0.0	04-4681-02	Aluminum	3770	21	mg/kg	M	Null	Null	
		Iron	6130	3.1	mg/kg	M	Null	Null	
169-EX27-SS0.0	04-4681-06	Aluminum	2860	21	mg/kg	M	Null	Null	
		Iron	5670	3.1	mg/kg	M	Null	Null	
169-EX39-SS0.0	04-4710-01	Aluminum	7110	210	mg/kg	MJ	J	16a,16b	
		Iron	50800	31	mg/kg	MJ	J	16d	
		Zinc	3400	21	mg/kg	MJ	Null	16d	
169-EX40-SS0.0	04-4731-01	Aluminum	5840	22	mg/kg	M	Null	Null	The amount spiked was less than 10 times that in the native sample. Inability to recover small amount relative to the native concentration does not realistically represent a matrix effect, so the "M" flag was removed.
		Iron	9150	3.3	mg/kg	M	Null	Null	
169-EX41-SS0.0	04-4731-02	Aluminum	6300	21	mg/kg	M	Null	Null	
		Iron	9070	3.1	mg/kg	M	Null	Null	
169-EX42-SS0.0	04-4731-03	Aluminum	5800	21	mg/kg	M	Null	Null	
		Iron	10300	3.1	mg/kg	M	Null	Null	
169-EX43-SS0.0	04-4731-04	Aluminum	3310	21	mg/kg	M	Null	Null	
		Iron	4970	3.1	mg/kg	M	Null	Null	
169-EX457-SS0.0	04-4731-05	Aluminum	3630	21	mg/kg	M	Null	Null	
		Iron	4990	3.1	mg/kg	M	Null	Null	
169-EX16-SS0.0	04-4747-01	Aluminum	4730	21	mg/kg	M	Null	Null	The amount spiked was less than 10 times that in the native sample. Inability to recover small amount relative to the native concentration does not realistically represent a matrix effect, so the "M" flag was removed.
		Iron	5240	3.1	mg/kg	M	Null	Null	
169-EX17-SS0.0	04-4747-02	Aluminum	5280	21	mg/kg	M	Null	Null	
		Iron	6310	3.1	mg/kg	M	Null	Null	
169-EX20-SS0.0	04-4747-03	Aluminum	5760	21	mg/kg	M	Null	Null	
		Iron	7190	3.2	mg/kg	M	Null	Null	
169-EX21-SS0.0	04-4747-04	Aluminum	5540	21	mg/kg	M	Null	Null	
		Iron	7020	3.1	mg/kg	M	Null	Null	
169-EX44A-SS0.0	04-4747-07	Aluminum	5130	21	mg/kg	M	Null	Null	
		Iron	5980	3.1	mg/kg	M	Null	Null	

TABLE D-3

REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary
169-EX01-SS0.0	04-3965-01	PCB-1016 (Aroclor 1016)	<53	53	µg/kg	M	Null	Null	The %Rs for PCB-1016 and PCB-1260 in the MS and MSD were 138 & 136 and 247 & 146, respectively. These are greater than the upper control limit of 130%. The spiked sample (169-EX05-SS0.0) contained 119 µg/kg of PCB-1254 (also qualified by APCL as "Sample might contain pesticides [probably Chlordane and DDD/DDE/DDT] which interfered with PCB analysis. Result estimated."). These peaks likely contributed to the high recovery of PCB-1016 and PCB-1260. Since the associated samples contained only PCB-1254, the "M" flags were removed. Samples containing PCB-1254 and qualified by APCL with the above DDD/DDE/DDT footnote were flagged as estimated for PCB-1254.
		PCB-1221 (Aroclor 1221)	<53	53	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<53	53	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<53	53	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<53	53	µg/kg	M	Null	Null	
		PCB-1254 (Aroclor 1254)	143	53	µg/kg	M	J	19x	
		PCB-1260 (Aroclor 1260)	<53	53	µg/kg	M	Null	Null	
169-EX02-SS0.0	04-3965-02	PCB-1016 (Aroclor 1016)	<52	52	µg/kg	M	Null	Null	
		PCB-1221 (Aroclor 1221)	<52	52	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<52	52	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<52	52	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<52	52	µg/kg	M	Null	Null	
		PCB-1254 (Aroclor 1254)	80.7	52	µg/kg	M	J	19x	
		PCB-1260 (Aroclor 1260)	<52	52	µg/kg	M	Null	Null	
169-EX03-SS0.0	04-3965-03	PCB-1016 (Aroclor 1016)	<52	52	µg/kg	M	Null	Null	
		PCB-1221 (Aroclor 1221)	<52	52	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<52	52	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<52	52	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<52	52	µg/kg	M	Null	Null	
		PCB-1254 (Aroclor 1254)	149	52	µg/kg	M	J	19x	
		PCB-1260 (Aroclor 1260)	<52	52	µg/kg	M	Null	Null	
169-EX05-SS0.0	04-3965-05	PCB-1016 (Aroclor 1016)	<52	52	µg/kg	M	Null	Null	
		PCB-1221 (Aroclor 1221)	<52	52	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<52	52	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<52	52	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<52	52	µg/kg	M	Null	Null	
		PCB-1254 (Aroclor 1254)	119	52	µg/kg	M	J	19x	
		PCB-1260 (Aroclor 1260)	<52	52	µg/kg	M	Null	Null	
169-EX06-SS0.0	04-3965-06	PCB-1016 (Aroclor 1016)	<52	52	µg/kg	M	Null	Null	
		PCB-1221 (Aroclor 1221)	<52	52	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<52	52	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<52	52	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<52	52	µg/kg	M	Null	Null	

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REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary
		PCB-1254 (Aroclor 1254)	<52	52	µg/kg	M	Null	Null	
		PCB-1260 (Aroclor 1260)	<52	52	µg/kg	M	Null	Null	
169-EX08-SS0.0	04-3965-08	PCB-1016 (Aroclor 1016)	<56	56	µg/kg	M	Null	Null	
		PCB-1221 (Aroclor 1221)	<56	56	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<56	56	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<56	56	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<56	56	µg/kg	M	Null	Null	
		PCB-1254 (Aroclor 1254)	127	56	µg/kg	M	Null	Null	
		PCB-1260 (Aroclor 1260)	<56	56	µg/kg	M	Null	Null	
169-EX09-SS0.0	04-3965-09	PCB-1016 (Aroclor 1016)	<57	57	µg/kg	M	Null	Null	
		PCB-1221 (Aroclor 1221)	<57	57	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<57	57	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<57	57	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<57	57	µg/kg	M	Null	Null	
		PCB-1254 (Aroclor 1254)	125	57	µg/kg	M	J	19x	
		PCB-1260 (Aroclor 1260)	<57	57	µg/kg	M	Null	Null	
169-EX97-SS0.0	04-3965-15	PCB-1016 (Aroclor 1016)	<52	52	µg/kg	M	Null	Null	
		PCB-1221 (Aroclor 1221)	<52	52	µg/kg	M	Null	Null	
		PCB-1232 (Aroclor 1232)	<52	52	µg/kg	M	Null	Null	
		PCB-1242 (Aroclor 1242)	<52	52	µg/kg	M	Null	Null	
		PCB-1248 (Aroclor 1248)	<52	52	µg/kg	M	Null	Null	
		PCB-1254 (Aroclor 1254)	<52	52	µg/kg	M	Null	Null	
		PCB-1260 (Aroclor 1260)	<52	52	µg/kg	M	Null	Null	

TABLE D-3

REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary
169-EX04-SS0.0	04-3965-04	PCB-1254 (Aroclor 1254)	498	52	µg/kg	Null	J	19x	APCL qualified the PCB-1254 result with "Sample might contain pesticides (probably Chlordane and DDD/DDE/DDT) which interfered with PCB analysis. Result estimated." Detection of PCB-1254 was flagged as estimated.
169-EX24-SS0.0	04-3976-05	PCB-1254 (Aroclor 1254)	326	53	µg/kg	Null	J	19x	
169-EX58-SS0.0	04-3976-06	PCB-1254 (Aroclor 1254)	29.3	54	µg/kg	F	FJ	19x	
169-EX45-SS0.0	04-4079-01	PCB-1254 (Aroclor 1254)	16.2	52	µg/kg	F	FJ	19x	
169-EX51-SS0.0	04-4079-07	PCB-1254 (Aroclor 1254)	428	52	µg/kg	Null	J	19x	
169-EX52-SS0.0	04-4079-08	PCB-1254 (Aroclor 1254)	22.8	53	µg/kg	F	FJ	19x	
169-EX18-SS0.0	04-4681-01	PCB-1260 (Aroclor 1260)	6.6	55	µg/kg	MF	F	23a	The %R for PCB-1260 in the MS was 132, which is slightly greater than the upper control limit of 130%. The spiked sample (169-EX25A-SS0.0) contained 42.1 µg/kg of PCB-1254, so this likely contributed to the slightly high recovery of PCB-1260. Since none of the samples contained both PCB-1254 and PCB-1260, the "M" flags were removed.
169-EX19-SS0.0	04-4681-02	PCB-1260 (Aroclor 1260)	3.6	52	µg/kg	MF	F	23a	
169-EX24A-SS0.0	04-4681-03	PCB-1260 (Aroclor 1260)	3.2	52	µg/kg	MF	F	23a	
169-EX25A-SS0.0	04-4681-04	PCB-1260 (Aroclor 1260)	<51	51	µg/kg	M	Null	Null	
169-EX26A-SS0.0	04-4681-05	PCB-1260 (Aroclor 1260)	6.0	54	µg/kg	MF	F	23a	
169-EX27-SS0.0	04-4681-06	PCB-1260 (Aroclor 1260)	<52	52	µg/kg	M	Null	Null	
169-EX47A-SS0.0	04-4681-07	PCB-1260 (Aroclor 1260)	<54	54	µg/kg	M	Null	Null	
169-EX48A-SS0.0	04-4681-08	PCB-1260 (Aroclor 1260)	<52	52	µg/kg	M	Null	Null	
169-EX49A-SS0.0	04-4681-09	PCB-1260 (Aroclor 1260)	<52	52	µg/kg	M	Null	Null	
169-EX51A-SS0.0	04-4681-10	PCB-1260 (Aroclor 1260)	<51	51	µg/kg	M	Null	Null	
169-EX476A-SS0.0	04-4681-11	PCB-1260 (Aroclor 1260)	3.3	51	µg/kg	MF	F	23a	

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REQUALIFIED DATA
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample Identification	Laboratory Sample Identification	Parameter	Result	RL	Units	Original Verification Qualifier(s)	Final Revised Qualifier(s)	Flag Note [a]	Rationale Summary

%R - percent recovery
AOC - Area of Concern
DCB - decachlorobiphenyl
DRMO - Defense Reutilization and Marketing Office
F - The detected concentration is less than the RL and greater than the method detection limit
J - Result is qualified as estimated.
M - A matrix effect is present.
MDL - method detection limit
µg/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
MS - matrix spike sample
MSD - matrix spike duplicate sample
PCB - polychlorinated biphenyl
PRG - Preliminary Remediation Goal
RL - reporting limit
TCMX - 2,4,5,6-tetrachloro-meta-xylene

[a] Reason for Qualification
08a - Matrix spike or matrix spike duplicate percent recovery was less than the lower control limit
14a - Field duplicate relative percent difference is great than the control limit
16a - Percent difference in the serial dilution is greater than the control limit
16b - Recovery for analyte in the post-digestion spike is less than the lower control limit
16d - Serial dilutions were not analyzed
19x - Other compound identification or quantitation issues as defined in the laboratory report
23a - Trace value, concentration is between the laboratory's MDL and RL

TABLE D-4

FIELD DUPLICATE RPD SUMMARY
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample/ Duplicate Identification	Analytical Method	Parameter	Primary Sample Result	Primary Sample Flag	Duplicate Sample Result	Duplicate Sample Flag	Units	RPD	Max RPD
169-CS05-SS0 0/	SW8082	PCB-1016 (Aroclor 1016)	< 1.0		< 2 6		mg/kg	na	50
169-CS95-SS0 0 [a]		PCB-1221 (Aroclor 1221)	< 1.0		< 2 6		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 1.0		< 2 6		mg/kg	na	50
		PCB-1242 (Aroclor 1242)	< 1.0		< 2 6		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 1.0		< 2 6		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	9 16		12 8		mg/kg	33	50
		PCB-1260 (Aroclor 1260)	< 1.0		< 2.6		mg/kg	na	50
169-S05-SS0 0/	SW8082	PCB-1016 (Aroclor 1016)	< 5 2		< 5.2		mg/kg	na	50
169-S95-SS0 0 [a]		PCB-1221 (Aroclor 1221)	< 5 2		< 5.2		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 5 2		< 5.2		mg/kg	na	50
		PCB-1242 (Aroclor 1242)	< 5 2		< 5.2		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 5 2		< 5.2		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	43 4		43.7		mg/kg	0 7	50
		PCB-1260 (Aroclor 1260)	< 5 2		< 5.2		mg/kg	na	50
169-S11-SS0 0/	SW8082	PCB-1016 (Aroclor 1016)	< 0 51		< 0 51		mg/kg	na	50
169-S89-SS0 0 [a]		PCB-1221 (Aroclor 1221)	< 0 51		< 0 51		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 0 51		< 0 51		mg/kg	na	50
		PCB-1242 (Aroclor 1242)	< 0 51		< 0 51		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 0.51		< 0 51		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	2 3		2 64		mg/kg	14	50
		PCB-1260 (Aroclor 1260)	< 0 51		< 0 51		mg/kg	na	50
169-EX03-SS0 0/	SW8270C SIM	2-Methylnaphthalene (SIM)	0.003	F	< 0.026		mg/kg	na	40
169-EX97-SS0 0		Acenaphthene (SIM)	< 0 026		< 0.026		mg/kg	na	40
		Acenaphthylene (SIM)	< 0 026		< 0.026		mg/kg	na	40
		Anthracene (SIM)	0 0009	F	< 0.026		mg/kg	na	40
		Benzo(a)anthracene (SIM)	< 0 026		< 0.026		mg/kg	na	40
		Benzo(a)pyrene (SIM)	< 0 026		< 0.026		mg/kg	na	40
		Benzo(b)fluoranthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(g,h,i)perylene (SIM)	< 0 026		< 0.026		mg/kg	na	40
		Benzo(k)fluoranthene (SIM)	0 001	M	0 0018	M	mg/kg	**57** [b]	40
		Chrysene (SIM)	< 0.026	M	< 0.026	M	mg/kg	na	40
		Dibenz(a,h)anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Fluoranthene (SIM)	< 0.026		0 0009	F	mg/kg	na	40
		Fluorene (SIM)	0 0013	F	< 0.026		mg/kg	na	40
		Indeno(1,2,3-c,d)pyrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Naphthalene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Phenanthrene (SIM)	0 0048	F	< 0 026		mg/kg	na	40
		Pyrene (SIM)	0 0018	F	0 0013	F	mg/kg	na	40
	SW6010B	Aluminum	4140	J	2220	J	mg/kg	**60** [b]	30
		Antimony	< 10		< 10		mg/kg	na	30
		Arsenic	2 8	F	2.7	F	mg/kg	na	30
		Barium	21		17.6		mg/kg	18	30
		Beryllium	0.028	F	0 058	F	mg/kg	na	30

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FIELD DUPLICATE RPD SUMMARY
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample/ Duplicate Identification	Analytical Method	Parameter	Primary Sample Result	Primary Sample Flag	Duplicate Sample Result	Duplicate Sample Flag	Units	RPD	Max RPD
		Cadmium	0.16	F	0 14	F	mg/kg	na	30
		Chromium	14 9	J	9 9	J	mg/kg	**40** [b]	30
		Cobalt	3 1		3 2		mg/kg	3 2	30
		Copper	6 4	J	5 1	J	mg/kg	23	30
		Iron	7050		5840		mg/kg	19	30
		Lead	6 9	J	7 4	J	mg/kg	7.0	30
		Manganese	118		129		mg/kg	8.9	30
		Molybdenum	0.37	F	0 39	F	mg/kg	na	30
		Nickel	13 7		13 5		mg/kg	1.5	30
		Selenium	0.27	F	0 34	F	mg/kg	na	30
		Silver	0.23	F	0 17	F	mg/kg	na	30
		Thallium	< 6 2		< 6 2		mg/kg	na	30
		Vanadium	19 2		18 2		mg/kg	5 3	30
		Zinc	17 3		16 4		mg/kg	5.3	30
	SW7471A	Mercury	0.25	J	0 13	J	mg/kg	**63** [b]	30
	SW8082	PCB-1016 (Aroclor 1016)	< 0 052		< 0.052		mg/kg	na	50
		PCB-1221 (Aroclor 1221)	< 0 052		< 0.052		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 0 052		< 0.052		mg/kg	na	50
		PCB-1242 (Aroclor 1242)	< 0 052		< 0.052		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 0 052		< 0.052		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	0 149	J	< 0.052		mg/kg	na	50
		PCB-1260 (Aroclor 1260)	< 0 052		< 0.052		mg/kg	na	50
169-EX13-SS0 0/	SW8270C SIM	2-Methylnaphthalene (SIM)	< 0 026		< 0.027		mg/kg	na	40
169-EX87-SS0 0 [a]		Acenaphthene (SIM)	0.0096	F	0 0026	F	mg/kg	na	40
		Acenaphthylene (SIM)	0.0029	F	0 0029	F	mg/kg	na	40
		Anthracene (SIM)	0.0561		0.011	F	mg/kg	na	40
		Benzo(a)anthracene (SIM)	0 331		0 0752		mg/kg	**126** [b]	40
		Benzo(a)pyrene (SIM)	0 198		0 0674		mg/kg	**98** [b]	40
		Benzo(b)fluoranthene (SIM)	0.28		0 0846		mg/kg	**107** [b]	40
		Benzo(g,h,i)perylene (SIM)	0 0495		0 0293		mg/kg	**51** [b]	40
		Benzo(k)fluoranthene (SIM)	0 224		0.0771		mg/kg	**98** [b]	40
		Chrysene (SIM)	0 307		0 0818		mg/kg	**116** [b]	40
		Dibenz(a,h)anthracene (SIM)	0 0326		0.0153	F	mg/kg	na	40
		Fluoranthene (SIM)	0 319		0.0763		mg/kg	**123** [b]	40
		Fluorene (SIM)	0 0078	F	0.0017	F	mg/kg	na	40
		Indeno(1,2,3-c,d)pyrene (SIM)	0 0439		0.0211	F	mg/kg	na	40
		Naphthalene (SIM)	< 0.026		< 0.027		mg/kg	na	40
		Phenanthrene (SIM)	0.184		0.0363		mg/kg	**143** [b]	40
		Pyrene (SIM)	0.122	F	0.123		mg/kg	na	40
169-EX13-SS0 0/	SW6010B	Aluminum	3910	J	4550	J	mg/kg	15	30
169-EX87-SS0 0		Antimony	0 46	F	0 54	F	mg/kg	na	30
		Arsenic	2 7	F	2 8	F	mg/kg	na	30
		Barium	27 4		30 4		mg/kg	10	30
		Beryllium	0 048	F	0.056	F	mg/kg	na	30

TABLE D-4

FIELD DUPLICATE RPD SUMMARY
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA
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Field Sample/ Duplicate Identification	Analytical Method	Parameter	Primary Sample Result	Primary Sample Flag	Duplicate Sample Result	Duplicate Sample Flag	Units	RPD	Max RPD
		Cadmium	1.7		1.9		mg/kg	11	30
		Chromium	17	J	20.2	J	mg/kg	17	30
		Cobalt	3.3		3.6		mg/kg	8.7	30
		Copper	43.2	J	31.7	J	mg/kg	31 [b]	30
		Iron	7720		8960		mg/kg	15	30
		Lead	24	J	36.9	J	mg/kg	42 [b]	30
		Manganese	97.7		110		mg/kg	12	30
		Molybdenum	0.66	F	0.76	F	mg/kg	na	30
		Nickel	17		16.9		mg/kg	0.6	30
		Selenium	0.18	F	0.21	F	mg/kg	na	30
		Silver	0.14	F	0.11	F	mg/kg	na	30
		Thallium	< 6.3		< 6.4		mg/kg	na	30
		Vanadium	18.9		17.9		mg/kg	5.4	30
		Zinc	87.5		104		mg/kg	17	30
	SW7471A	Mercury	0.13	J	0.16	J	mg/kg	21	30
169-EX13-SS0.0/	SW8082	PCB-1016 (Aroclor 1016)	< 2.6		< 2.7		mg/kg	na	50
169-EX87-SS0.0 [a]		PCB-1221 (Aroclor 1221)	< 2.6		< 2.7		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 2.6		< 2.7		mg/kg	na	50
		PCB-1242 (Aroclor 1242)	< 2.6		< 2.7		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 2.6		< 2.7		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	18		18.7		mg/kg	3.8	50
		PCB-1260 (Aroclor 1260)	< 2.6		< 2.7		mg/kg	na	50
169-EX71-SS0.0/	E413.2	Oil & Grease, total recoverable	< 130		< 130		mg/kg	na	50
169-EX429-SS0.0	SW8015B mod	TPH as diesel	< 13		< 13		mg/kg	na	50
		TPH as motor oil	4.4	F	4.3	F	mg/kg	na	50
169-EX23-SS0.0/	SW8270C SIM	2-Methylnaphthalene (SIM)	0.001	F	< 0.26		mg/kg	na	40
169-EX477-SS0.0 [a]		Acenaphthene (SIM)	0.0108	F	< 0.26		mg/kg	na	40
		Acenaphthylene (SIM)	0.0242	F	0.0292	F	mg/kg	na	40
		Anthracene (SIM)	0.0559		0.0755	F	mg/kg	na	40
		Benzo(a)anthracene (SIM)	0.225		0.298		mg/kg	28	40
		Benzo(a)pyrene (SIM)	0.196		0.242	F	mg/kg	na	40
		Benzo(b)fluoranthene (SIM)	0.253		0.26		mg/kg	2.7	40
		Benzo(g,h,i)perylene (SIM)	0.0844		0.121	F	mg/kg	na	40
		Benzo(k)fluoranthene (SIM)	0.173		0.252	F	mg/kg	na	40
		Chrysene (SIM)	0.237		0.333		mg/kg	34	40
		Dibenz(a,h)anthracene (SIM)	0.053		0.0673	F	mg/kg	na	40
		Fluoranthene (SIM)	0.338		0.431		mg/kg	24	40
		Fluorene (SIM)	0.0104	F	< 0.26		mg/kg	na	40
		Indeno(1,2,3-c,d)pyrene (SIM)	0.0811		0.116	F	mg/kg	na	40
		Naphthalene (SIM)	0.0015	F	< 0.26		mg/kg	na	40
		Phenanthrene (SIM)	0.177		0.138	F	mg/kg	na	40
		Pyrene (SIM)	0.366		0.412		mg/kg	12	40
169-EX23-SS0.0/	SW6010B	Aluminum	6550		5610		mg/kg	16	30
169-EX477-SS0.0		Antimony	< 11		1.6	F	mg/kg	na	30

TABLE D-4

FIELD DUPLICATE RPD SUMMARY
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample/ Duplicate Identification	Analytical Method	Parameter	Primary Sample Result	Primary Sample Flag	Duplicate Sample Result	Duplicate Sample Flag	Units	RPD	Max RPD
		Arsenic	3.2	F	3	F	mg/kg	na	30
		Barium	41		49.5		mg/kg	19	30
		Beryllium	0.043	F	0.032	F	mg/kg	na	30
		Cadmium	14.5		12.5		mg/kg	15	30
		Chromium	36.6	J	15.6	J	mg/kg	**81** [b]	30
		Cobalt	4.2		3.6		mg/kg	15	30
		Copper	37.8		39.7		mg/kg	4.9	30
		Iron	12500		12200		mg/kg	2.4	30
		Lead	129	J	39.3	J	mg/kg	**107** [b]	30
		Manganese	111		108		mg/kg	2.7	30
		Molybdenum	1.3	F	1.3	F	mg/kg	na	30
		Nickel	17.8		13.6		mg/kg	27	30
		Selenium	< 3.2		< 3.2		mg/kg	na	30
		Silver	0.11	F	0.11	F	mg/kg	na	30
		Thallium	< 6.3		< 6.3		mg/kg	na	30
		Vanadium	19.2		16		mg/kg	18	30
		Zinc	743	J	440	J	mg/kg	**51** [b]	30
	SW7471A	Mercury	0.18		0.17		mg/kg	5.7	30
169-EX23-SS0.0/	SW8082	PCB-1016 (Aroclor 1016)	< 0.26		< 0.26		mg/kg	na	50
169-EX477-SS0.0 [a]		PCB-1221 (Aroclor 1221)	< 0.26		< 0.26		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 0.26		< 0.26		mg/kg	na	50
		PCB-1242 (Aroclor 1242)	< 0.26		< 0.26		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 0.26		< 0.26		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	0.726		1.24		mg/kg	**52** [b]	50
		PCB-1260 (Aroclor 1260)	< 0.26		< 0.26		mg/kg	na	50
169-EX53-SS0.0/	SW8270C SIM	2-Methylnaphthalene (SIM)	< 0.026		< 0.026		mg/kg	na	40
169-EX447-SS0.0		Acenaphthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Acenaphthylene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(a)anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(a)pyrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(b)fluoranthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(g,h,i)perylene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(k)fluoranthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Chrysene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Dibenz(a,h)anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Fluoranthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Fluorene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Indeno(1,2,3-c,d)pyrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Naphthalene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Phenanthrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Pyrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
	SW6010B	Aluminum	5440		4780		mg/kg	13	30
		Antimony	< 11		< 10		mg/kg	na	30
		Arsenic	2.5	F	3.5	F	mg/kg	na	30

TABLE D-4

FIELD DUPLICATE RPD SUMMARY
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample/ Duplicate Identification	Analytical Method	Parameter	Primary Sample Result	Primary Sample Flag	Duplicate Sample Result	Duplicate Sample Flag	Units	RPD	Max RPD
		Barium	31 1		29 1		mg/kg	6.6	30
		Beryllium	0 021	F	0 085	F	mg/kg	na	30
		Cadmium	0 11	F	0 081	F	mg/kg	na	30
		Chromium	9 7		11 1		mg/kg	14	30
		Cobalt	1 7		1 9		mg/kg	11	30
		Copper	4.9		5 1		mg/kg	4.0	30
		Iron	6760	J	10400	J	mg/kg	42 [b]	30
		Lead	3 7		4 8		mg/kg	26	30
		Manganese	74 1		93 5		mg/kg	23	30
		Molybdenum	0 34	F	0.34	F	mg/kg	na	30
		Nickel	5.2		5 2		mg/kg	0 0	30
		Selenium	0 64	F	0 9	F	mg/kg	na	30
		Silver	< 1.1		0 13	F	mg/kg	na	30
		Thallium	< 6.3		< 6 3		mg/kg	na	30
		Vanadium	15.8		19		mg/kg	18	30
		Zinc	10.9		10 3		mg/kg	5.7	30
	SW7471A	Mercury	0 047	F	0 045	F	mg/kg	na	30
	SW8082	PCB-1016 (Aroclor 1016)	< 0 053		< 0 052		mg/kg	na	50
		PCB-1221 (Aroclor 1221)	< 0 053		< 0 052		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 0 053		< 0 052		mg/kg	na	50
		PCB-1242 (Aroclor 1242)	< 0 053		< 0 052		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 0 053		< 0 052		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	0.0066	F	0 0032	F	mg/kg	na	50
		PCB-1260 (Aroclor 1260)	< 0 053		< 0 052		mg/kg	na	50
169-EX63-SS0 0/ 169-EX437-SS0 0	SW8270C SIM	2-Methylnaphthalene (SIM)	< 0 026		< 0 026		mg/kg	na	40
		Acenaphthene (SIM)	< 0 026		< 0 026		mg/kg	na	40
		Acenaphthylene (SIM)	< 0 026		< 0 026		mg/kg	na	40
		Anthracene (SIM)	< 0 026		< 0 026		mg/kg	na	40
		Benzo(a)anthracene (SIM)	< 0 026		< 0 026		mg/kg	na	40
		Benzo(a)pyrene (SIM)	< 0 026		< 0.026		mg/kg	na	40
		Benzo(b)fluoranthene (SIM)	0 0114	F	< 0 026		mg/kg	na	40
		Benzo(g,h,i)perylene (SIM)	< 0 026		< 0.026		mg/kg	na	40
		Benzo(k)fluoranthene (SIM)	< 0 026		< 0.026		mg/kg	na	40
		Chrysene (SIM)	< 0 026		< 0.026		mg/kg	na	40
		Dibenz(a,h)anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Fluoranthene (SIM)	0.002	F	< 0.026		mg/kg	na	40
		Fluorene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Indeno(1,2,3-c,d)pyrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Naphthalene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Phenanthrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Pyrene (SIM)	0 0018	F	< 0.026		mg/kg	na	40
	SW6010B	Aluminum	2360		2740		mg/kg	15	30
		Antimony	< 10		< 10		mg/kg	na	30
		Arsenic	1.1	F	1	F	mg/kg	na	30
		Barium	18.6		18.4		mg/kg	1 1	30
		Beryllium	0.011	F	< 1		mg/kg	na	30

TABLE D-4

FIELD DUPLICATE RPD SUMMARY
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample/ Duplicate Identification	Analytical Method	Parameter	Primary Sample Result	Primary Sample Flag	Duplicate Sample Result	Duplicate Sample Flag	Units	RPD	Max RPD
		Cadmium	0.13	F	0.12	F	mg/kg	na	30
		Chromium	4.1		4		mg/kg	2.5	30
		Cobalt	0.95	F	0.95	F	mg/kg	na	30
		Copper	4.6		4.2		mg/kg	9.1	30
		Iron	3260		3150		mg/kg	3.4	30
		Lead	4.3		3.9		mg/kg	9.8	30
		Manganese	44.2		43.7		mg/kg	1.1	30
		Molybdenum	0.22	F	0.24	F	mg/kg	na	30
		Nickel	2.4		2.5		mg/kg	4.1	30
		Selenium	0.36	F	0.15	F	mg/kg	na	30
		Silver	0.06	F	< 1		mg/kg	na	30
		Thallium	< 6.1		< 6.2		mg/kg	na	30
		Vanadium	7.3		7.1		mg/kg	2.8	30
		Zinc	8.1		7.3		mg/kg	10	30
	SW7471A	Mercury	0.025	F	0.024	F	mg/kg	na	30
	SW8082	PCB-1016 (Aroclor 1016)	< 0.051		< 0.051		mg/kg	na	50
		PCB-1221 (Aroclor 1221)	< 0.051		< 0.051		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 0.051		< 0.051		mg/kg	na	50
		PCB-1242 (Aroclor 1242)	< 0.051		< 0.051		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 0.051		< 0.051		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	0.0064	F	< 0.051		mg/kg	na	50
		PCB-1260 (Aroclor 1260)	< 0.051		0.0054	F	mg/kg	na	50
169-EX13A-SS0.0/ 169-EX487A-SS0.0	SW8270C SIM	2-Methylnaphthalene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Acenaphthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Acenaphthylene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(a)anthracene (SIM)	0.0005	F	< 0.026		mg/kg	na	40
		Benzo(a)pyrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(b)fluoranthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(g,h,i)perylene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(k)fluoranthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Chrysene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Dibenz(a,h)anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Fluoranthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Fluorene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Indeno(1,2,3-c,d)pyrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Naphthalene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Phenanthrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Pyrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
	SW8082	PCB-1016 (Aroclor 1016)	< 0.052		< 0.052		mg/kg	na	50
		PCB-1221 (Aroclor 1221)	< 0.052		< 0.052		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 0.052		< 0.052		mg/kg	na	50
		PCB-1242 (Aroclor 1242)	< 0.052		< 0.052		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 0.052		< 0.052		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	0.0172	F	0.0163	F	mg/kg	na	50
		PCB-1260 (Aroclor 1260)	< 0.052		< 0.052		mg/kg	na	50

TABLE D-4

FIELD DUPLICATE RPD SUMMARY
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA
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Field Sample/ Duplicate Identification	Analytical Method	Parameter	Primary Sample Result	Primary Sample Flag	Duplicate Sample Result	Duplicate Sample Flag	Units	RPD	Max RPD
169-EX24A-SS0 0/ 169-EX476A-SS0.0	SW8082	PCB-1016 (Aroclor 1016)	< 0.052		< 0.051		mg/kg	na	50
		PCB-1221 (Aroclor 1221)	< 0.052		< 0.051		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 0.052		< 0.051		mg/kg	na	50
		PCB-1242 (Aroclor 1242)	< 0.052		< 0.051		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 0.052		< 0.051		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	< 0.052		< 0.051		mg/kg	na	50
		PCB-1260 (Aroclor 1260)	0.0032	F	0.0033	F	mg/kg	na	50
169-EX33-SS0.0/ 169-EX467-SS0 0	SW8270C SIM	2-Methylnaphthalene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Acenaphthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Acenaphthylene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(a)anthracene (SIM)	< 0.026		0.0008	F	mg/kg	na	40
		Benzo(a)pyrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(b)fluoranthene (SIM)	< 0.026		0.0008	F	mg/kg	na	40
		Benzo(g,h,i)perylene (SIM)	< 0.026		0.0005	F	mg/kg	na	40
		Benzo(k)fluoranthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Chrysene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Dibenz(a,h)anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Fluoranthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Fluorene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Indeno(1,2,3-c,d)pyrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Naphthalene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Phenanthrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Pyrene (SIM)	< 0.026		0.0007	F	mg/kg	na	40
	SW6010B	Aluminum	4060	J	2860	J	mg/kg	35 [b]	30
		Antimony	< 10		0.49	F	mg/kg	na	30
		Arsenic	1.7	F	2.5	F	mg/kg	na	30
		Barium	15.8		14.9		mg/kg	5.9	30
		Beryllium	0.0036	F	0.046	F	mg/kg	na	30
		Cadmium	< 0.51		< 0.51		mg/kg	na	30
		Chromium	5.9		6.7		mg/kg	13	30
		Cobalt	1.1		1.1		mg/kg	0.0	30
		Copper	2.3		2.3		mg/kg	0.0	30
		Iron	4520		6100		mg/kg	30	30
		Lead	3	F	3.5		mg/kg	na	30
		Manganese	33.3		35.3		mg/kg	5.8	30
		Molybdenum	0.29	F	0.28	F	mg/kg	na	30
		Nickel	2.7		2.3		mg/kg	16	30
		Selenium	0.33	F	0.49	F	mg/kg	na	30
		Silver	< 1		< 1		mg/kg	na	30
		Thallium	< 6.2		< 6.1		mg/kg	na	30
		Vanadium	11.2		14.6		mg/kg	26	30
		Zinc	4.9		5.1		mg/kg	4.0	30
	SW7471A	Mercury	0.016	F	0.039	F	mg/kg	na	30
	SW8082	PCB-1016 (Aroclor 1016)	< 0.051		< 0.051		mg/kg	na	50

TABLE D-4

FIELD DUPLICATE RPD SUMMARY
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample/ Duplicate Identification	Analytical Method	Parameter	Primary Sample Result	Primary Sample Flag	Duplicate Sample Result	Duplicate Sample Flag	Units	RPD	Max RPD
		PCB-1221 (Aroclor 1221)	< 0.051		< 0.051		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 0.051		< 0.051		mg/kg	na	50
		PCB-1242 (Aroclor 1242)	< 0.051		< 0.051		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 0.051		< 0.051		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	< 0.051		0.0178	F	mg/kg	na	50
		PCB-1260 (Aroclor 1260)	0.0042	F	< 0.051		mg/kg	na	50
169-EX43-SS0.0/ 169-EX457-SS0.0	SW8270C SIM	2-Methylnaphthalene (SIM)	0.001	F	< 0.026		mg/kg	na	40
		Acenaphthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Acenaphthylene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(a)anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Benzo(a)pyrene (SIM)	0.0019	F	< 0.026		mg/kg	na	40
		Benzo(b)fluoranthene (SIM)	0.0041	F	< 0.026		mg/kg	na	40
		Benzo(g,h,i)perylene (SIM)	0.0102	F	< 0.026		mg/kg	na	40
		Benzo(k)fluoranthene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Chrysene (SIM)	0.0044	F	< 0.026		mg/kg	na	40
		Dibenz(a,h)anthracene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Fluoranthene (SIM)	0.0013	F	< 0.026		mg/kg	na	40
		Fluorene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Indeno(1,2,3-c,d)pyrene (SIM)	0.0027	F	< 0.026		mg/kg	na	40
		Naphthalene (SIM)	0.0012	F	< 0.026		mg/kg	na	40
		Phenanthrene (SIM)	< 0.026		< 0.026		mg/kg	na	40
		Pyrene (SIM)	0.0017	F	< 0.026		mg/kg	na	40
	SW6010B	Aluminum	3310		3630		mg/kg	9.2	30
		Antimony	< 10		0.34	F	mg/kg	na	30
		Arsenic	2	F	2	F	mg/kg	na	30
		Barium	10.6		10.9		mg/kg	2.8	30
		Beryllium	< 1		< 1		mg/kg	na	30
		Cadmium	< 0.52		< 0.51		mg/kg	na	30
		Chromium	6.3		7.1		mg/kg	12	30
		Cobalt	0.79	F	0.84	F	mg/kg	na	30
		Copper	2.5		2.6		mg/kg	3.9	30
		Iron	4970		4990		mg/kg	0.4	30
		Lead	4.4		4.7		mg/kg	6.6	30
		Manganese	18.8		20.8		mg/kg	10	30
		Molybdenum	0.43	F	0.41	F	mg/kg	na	30
		Nickel	2.3		2.6		mg/kg	12	30
		Selenium	0.47	F	0.46	F	mg/kg	na	30
		Silver	< 1		< 1		mg/kg	na	30
		Thallium	< 6.2		< 6.2		mg/kg	na	30
		Vanadium	16.6		16.3		mg/kg	1.8	30
		Zinc	4.3		4.8		mg/kg	11	30
	SW7471A	Mercury	0.055	F	0.062	F	mg/kg	na	30
	SW8082	PCB-1016 (Aroclor 1016)	< 0.052		0.0016	F	mg/kg	na	50
		PCB-1221 (Aroclor 1221)	< 0.052		< 0.051		mg/kg	na	50
		PCB-1232 (Aroclor 1232)	< 0.052		< 0.051		mg/kg	na	50

TABLE D-4

FIELD DUPLICATE RPD SUMMARY
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA

Field Sample/ Duplicate Identification	Analytical Method	Parameter	Primary Sample Result	Primary Sample Flag	Duplicate Sample Result	Duplicate Sample Flag	Units	RPD	Max RPD
		PCB-1242 (Aroclor 1242)	< 0.052		< 0.051		mg/kg	na	50
		PCB-1248 (Aroclor 1248)	< 0.052		< 0.051		mg/kg	na	50
		PCB-1254 (Aroclor 1254)	0.209		< 0.051		mg/kg	na	50
		PCB-1260 (Aroclor 1260)	< 0.052		< 0.051		mg/kg	na	50

[a] These sample duplicate pairs were not validated; associated field samples were not qualified based on these RPD results.

[b] The calculated RPD is greater than the control limit established in the Quality Assurance Project Plan

AOC - Area of Concern
DRMO - Defense Reutilization and Marketing Office
F - The detected concentration is less than the reporting limit and greater than the method detection limit
J - Result is qualified as estimated.
mg/kg - milligrams per kilogram (ppm)
na - not applicable; an RPD is calculated only when both the primary and duplicate reults are greater than the reporting limit
PCBs - polychlorinated biphenyls
RPD - relative percent difference
SIM - selected ion monitoring
TPH - total petroleum hydrocarbons

TABLE D-5

COMPLETENESS SUMMARY
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA
(Page 1 of 2)

Matrix	Method	Analytical Parameter	Total Number of Results	Number of Rejected Results	Percent Complete	Completeness Goal
Soil	SW9270C SIM	2-Methylnaphthalene (SIM)	66	0	100	90
		Acenaphthene (SIM)	66	0	100	90
		Acenaphthylene (SIM)	66	0	100	90
		Anthracene (SIM)	66	0	100	90
		Benzo(a)anthracene (SIM)	66	0	100	90
		Benzo(a)pyrene (SIM)	66	0	100	90
		Benzo(b)fluoranthene (SIM)	66	0	100	90
		Benzo(g,h,i)perylene (SIM)	66	0	100	90
		Benzo(k)fluoranthene (SIM)	66	0	100	90
		Chrysene (SIM)	66	0	100	90
		Dibenz(a,h)anthracene (SIM)	66	0	100	90
		Fluoranthene (SIM)	66	0	100	90
		Fluorene (SIM)	66	0	100	90
		Indeno(1,2,3-c,d)pyrene (SIM)	66	0	100	90
		Naphthalene (SIM)	66	0	100	90
		Phenanthrene (SIM)	66	0	100	90
		Pyrene (SIM)	66	0	100	90
Soil	SW8015B Mod	Diesel Range	2	0	100	90
		Motor oils	2	0	100	90
Soil	SW8082	PCB-1016 (Aroclor 1016)	71	0	100	90
		PCB-1221 (Aroclor 1221)	71	0	100	90
		PCB-1232 (Aroclor 1232)	71	0	100	90
		PCB-1242 (Aroclor 1242)	71	0	100	90
		PCB-1248 (Aroclor 1248)	71	0	100	90
		PCB-1254 (Aroclor 1254)	71	0	100	90
		PCB-1260 (Aroclor 1260)	71	0	100	90
Soil	SW6010B	Aluminum	65	0	100	90
		Antimony	65	0	100	90
		Arsenic	66	0	100	90
		Barium	65	0	100	90
		Beryllium	65	0	100	90
		Cadmium	65	0	100	90
		Chromium	65	0	100	90
		Cobalt	65	0	100	90
		Copper	65	0	100	90
		Iron	67	0	100	90
		Lead	67	0	100	90
		Manganese	66	0	100	90
		Molybdenum	65	0	100	90
		Nickel	65	0	100	90
		Selenium	65	0	100	90
		Silver	65	0	100	90

TABLE D-5

COMPLETENESS SUMMARY
AOC-169/DRMO SCRAP YARD
VANDENBERG AIR FORCE BASE, CALIFORNIA
(Page 2 of 2)

Matrix	Method	Analytical Parameter	Total Number of Results	Number of Rejected Results	Percent Complete	Completeness Goal
		Thallium	65	0	100	90
		Vanadium	65	0	100	90
		Zinc	65	0	100	90
Soil	SW7471A	Mercury	65	0	100	90
Soil	E413.2	Oil & Grease, total rec	1	0	100	90

DRMO - Defense Reutilization and Marketing Office
AOC - Area of Concern
PCB - polychlorinated biphenyls
SIM - selected ion monitoring

APPENDIX E

WASTE PROFILE ANALYTICAL RESULTS AND MANIFESTS

APPENDIX E
WASTE CHARACTERIZATION STOCKPILE SAMPLES

3P DO 70 AOC-169
VANDENBERG AIR FORCE BASE
(Page 1 of 3)

Reference:	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-SP01	169-SP02	169-SP03	169-SP04
Field Sample ID:	169-SP01-COMP	169-SP02-COMP	169-SP03-COMP	169-SP04-COMP
Sample Date:	8/5/2004	8/5/2004	8/5/2004	8/5/2004
Sample Depth:	0.0	0.0	0.0	0.0
General Minerals				
pH	7 69	7 46	7 77	5 94
Total Metals (mg/kg)				
Aluminum	14500	8660	9070	3900
Antimony	<10	2.3	1.1	<10
Arsenic	5 3	4.7	5 2	2 2
Barium	49 3	66 3	66 3	21 1
Beryllium	<1	0 049	0.015	0.051
Cadmium	8 3	11 6	8 7	0.37
Chromium	49 2	55 1	45	9 5
Cobalt	10 5	8 8	8.4	1 8
Copper	230	516	106	7 1
Iron	23800	22800	21500	6020
Lead	109	272	145	13
Manganese	221	207	273	63 8
Mercury	0.56	0 54	0 7	0.064
Molybdenum	3 4	3 9	3 7	0.36
Nickel	60.8	53 5	50 3	9.5
Selenium	<3	<3	<3	0.3
Silver	0 91	1 4	1 9	0 051
Thallium	<6	<6	<6	<6
Vanadium	24 8	18.6	25 5	14 3
Zinc	569	1410	1010	31 6
Metals (STLC TCLP) (mg/L)				
Cadmium (STLC)	NA	0 777	NA	NA
Chromium (STLC)	NA	1 24	NA	NA
Copper (STLC)	NA	12.4	NA	NA
Lead (STLC)	4 89	9 62	5 72	NA
Lead (TCLP)	NA	0 249	0 176	NA
Rocket Fuel Compounds (mg/kg)				
N-Nitrosodimethylamine (NDMA)	<0 7	<0 7	<2 8	<0.7
Semivolatile Organic Compounds (mg/kg)				
1 2 4-Trichlorobenzene	<0 7	<0 7	<2 8	<0 7
1 2-Dichlorobenzene	<0 7	<0 7	<2 8	<0 7
1 3-Dichlorobenzene	<0 7	<0 7	<2 8	<0 7
1 4-Dichlorobenzene	<0 7	<0.7	<2 8	<0 7
2,4,5-Trichlorophenol	<3 3	<3 3	<13	<3 3
2 4 6-Trichlorophenol	<0 3	<0 3	<1 2	<0 3
2 4-Dichlorophenol	<0 3	<0 3	<1 2	<0 3
2,4-Dimethylphenol	<0 3	<0 3	<1 2	<0 3
2 4-Dinitrophenol	<3.3	<3 3	<13	<3 3
2 4-Dinitrotoluene	<0 7	<0 7	<2.8	<0 7
2 6-Dinitrotoluene	<0 7	<0 7	<2 8	<0 7
2-Chloronaphthalene	<0 7	<0 7	<2 8	<0 7
2-Chlorophenol	<0 3	<0 3	<1 2	<0 3
2-Methylnaphthalene	<0 7	<0 7	<2 8	<0 7
2-Methylphenol (o-cresol)	<0 3	<0 3	<1 2	<0 3
2-Nitroaniline	<3 3	<3 3	<13	<3 3
2-Nitrophenol	<0 3	<0 3	<1 2	<0 3
3 3'-Dichlorobenzidine	<0 7	<0 7	<2 8	<0 7
3-Nitroaniline	<3.3	<3.3	<13	<3 3
3/4-Methylphenol (m,p-cresol)	<2	<2	<8	<2
4 6-Dinitro-2-methylphenol	<3 3	<3 3	<13	<3 3
4-Bromophenyl phenyl ether	<0 7	<0 7	<2 8	<0 7
4-Chloro-3-methylphenol	<1 3	<1 3	<5 2	<1 3
4-Chloroaniline	<1 3	<1 3	<5 2	<1 3
4-Chlorophenyl phenyl ether	<0.7	<0.7	<2.8	<0 7
4-Nitroaniline	<3 3	<3 3	<13	<3 3
4-Nitrophenol	<1 6	<1 6	<6 4	<1 6

APPENDIX E
WASTE CHARACTERIZATION STOCKPILE SAMPLES

3P DO 70 AOC-169
VANDENBERG AIR FORCE BASE
(Page 2 of 3)

Reference:	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-SP01	169-SP02	169-SP03	169-SP04
Field Sample ID:	169-SP01-COMP	169-SP02-COMP	169-SP03-COMP	169-SP04-COMP
Sample Date:	8/5/2004	8/5/2004	8/5/2004	8/5/2004
Sample Depth:	0.0	0.0	0.0	0.0
Acenaphthene	0 021	0.0286	0.155	<0 7
Acenaphthylene	0 0443	0.0323	<2 8	<0.7
Anthracene	0 129	0.123	0 645	<0.7
Benzo(a)anthracene	0 719	0 615	3.13	<0.7
Benzo(a)pyrene	0 579	0 567	2 4	<0 7
Benzo(b)fluoranthene	0 814	0 793	3 37	<0 7
Benzo(g,h,i)perylene	0 243	0 331	1 02	<0.7
Benzo(k)fluoranthene	0.349	0 311	1 21	<0.7
Benzoic acid	<5	<5	<20	<5
Benzyl alcohol	<1 3	<1 3	<5 2	<1 3
Benzyl butyl phthalate	0 14	<0 7	0.37	<0 7
bis(2-Chloroethoxy)methane	<0 7	<0 7	<2.8	<0.7
bis(2-Chloroethyl)ether	<0.7	<0 7	<2 8	<0.7
bis(2-Chloroisopropyl)ether	<0.7	<0 7	<2 8	<0.7
bis(2-Ethylhexyl)phthalate	0 355	1.42	1 6	0 054
Chrysene	0 761	0 704	3 26	<0.7
Di-n-butyl phthalate	<0 7	0 0658	<2 8	<0 7
Di-n-octylphthalate	<0 7	<0.7	<2 8	<0 7
Dibenz(a,h)anthracene	0 0773	<0 7	0 366	<0 7
Dibenzofuran	<0 7	<0 7	<2 8	<0 7
Diethyl phthalate	<0 7	<0.7	<2 8	<0 7
Dimethyl phthalate	<0.7	<0 7	<2 8	<0.7
Fluoranthene	0 981	0.954	4 61	0.025
Fluorene	0 0246	0.0256	0 135	<0.7
Hexachlorobenzene	<0.7	<0 7	<2 8	<0 7
Hexachlorobutadiene	<0.7	<0 7	<2 8	<0.7
Hexachlorocyclopentadiene	<3 3	<3.3	<13	<3 3
Hexachloroethane	<0 7	<0.7	<2 8	<0 7
Indeno(1 2 3-c,d)pyrene	0 207	0 266	0 853	<0 7
Isophorone	<0 7	<0.7	<2 8	<0 7
n-Nitrosodi-n-propylamine	<0.7	<0 7	<2 8	<0 7
n-Nitrosodiphenylamine	<0 7	<0 7	<2 8	<0 7
Naphthalene	<0 7	<0 7	<2 8	<0 7
Nitrobenzene	<0 7	<0 7	<2.8	<0 7
Pentachlorophenol	<3.3	<3 3	<13	<3.3
Phenanthrene	0 413	0.406	1 7	<0.7
Phenol	<0.3	<0 3	<1.2	<0.3
Pyrene	1 32	1 22	7 57	<0.7
Total Petroleum Hydrocarbons (mg/kg)				
Diesel Range	75.6	175	90.2	14.5
Gasoline Range	0.02	0.028	0.019	0.028
Motor oils	163	589	437	40.7
Volatile Organic Compounds (mg/kg)				
1,1,1,2-Tetrachloroethane	<0 0025	<0 0029	<0 0027	<0.0029
1,1,1-Trichloroethane	<0 0042	<0 0049	<0.0046	<0 0048
1,1,2,2-Tetrachloroethane	<0.0025	<0 0029	<0.0027	<0.0029
1,1,2-Trichloroethane	<0 0042	<0 0049	<0 0046	<0.0048
1,1-Dichloroethane	<0 0042	<0 0049	<0 0046	<0 0048
1,1-Dichloroethene	<0.005	<0 0059	<0 0055	<0 0057
1,1-Dichloropropene	<0 0042	<0 0049	<0 0046	<0 0048
1,2,3-Trichlorobenzene	<0 0042	<0 0049	<0 0046	<0 0048
1,2,3-Trichloropropane	<0.0042	<0 0049	<0.0046	<0 0048
1,2,4-Trichlorobenzene	<0.0042	<0 0049	<0 0046	<0.0048
1,2,4-Trimethylbenzene	<0.005	<0 0059	<0 0055	<0.0057
1,2-Dibromo-3-chloropropane	<0 0083	<0 0098	<0 0091	<0.0095
1,2-Dibromoethane (Ethylene Dibromide)	<0 0042	<0.0049	<0 0046	<0 0048
1,2-Dichlorobenzene	<0 0042	<0.0049	<0 0046	<0 0048
1,2-Dichloroethane	<0.0025	<0 0029	<0.0027	<0.0029
1,2-Dichloropropane	<0 0042	<0 0049	<0.0046	<0.0048

APPENDIX E
WASTE CHARACTERIZATION STOCKPILE SAMPLES

3P DO 70 AOC-169
VANDENBERG AIR FORCE BASE
(Page 3 of 3)

Reference:	4PTO94	4PTO94	4PTO94	4PTO94
Location ID:	169-SP01	169-SP02	169-SP03	169-SP04
Field Sample ID:	169-SP01-COMP	169-SP02-COMP	169-SP03-COMP	169-SP04-COMP
Sample Date:	8/5/2004	8/5/2004	8/5/2004	8/5/2004
Sample Depth:	0.0	0.0	0.0	0.0
1 3,5-Trimethylbenzene	<0.0042	<0.0049	<0 0046	<0.0048
1,3-Dichlorobenzene	<0.005	<0 0059	<0 0055	<0.0057
1,3-Dichloropropane	<0 0017	<0 002	<0 0018	<0 0019
1,4-Dichlorobenzene	<0 0017	<0.002	<0 0018	<0 0019
1-chlorohexane	<0 0042	<0 0049	<0 0046	<0 0048
2,2-dichloropropane	<0.0042	<0.0049	<0.0046	<0 0048
2-Butanone(MEK)	<0.017	<0 02	<0.018	<0 019
2-chlorotoluene	<0.0042	<0 0049	<0.0046	<0 0048
2-Hexanone	<0.042	<0 049	<0.046	<0 048
4-chlorotoluene	<0.0042	<0.0049	<0 0046	<0.0048
4-Methyl-2-pentanone (MIBK)	<0.017	<0 02	<0.018	<0 019
Acetone	<0.042	<0 049	<0.046	<0.048
Benzene	<0.0017	<0 002	<0 0018	<0 0019
Bromobenzene	<0.0042	<0 0049	<0 0046	<0 0048
Bromochloromethane	<0 0042	<0.0049	<0.0046	<0 0048
Bromodichloromethane	<0 0017	<0 002	<0 0018	<0 0019
Bromoform	<0 005	<0.0059	<0 0055	<0 0057
Bromomethane	<0 0083	<0.0098	<0 0091	<0 0095
Carbon disulfide	<0 0042	<0 0049	<0 0046	<0 0048
Carbon tetrachloride	<0 0042	<0 0049	<0 0046	<0 0048
Chlorobenzene	<0 0017	<0.002	<0 0018	<0 0019
Chloroethane	<0 0042	<0.0049	<0 0046	<0.0048
Chloroform	<0 0017	<0.002	<0 0018	<0 0019
Chloromethane	<0 0042	<0 0049	<0 0046	<0.0048
cis-1,2-Dichloroethylene	<0 0042	<0 0049	<0.0046	<0 0048
cis-1,3-Dichloropropene	<0 0025	<0 0029	<0 0027	<0.0029
Dibromochloromethane	<0 0025	<0 0029	<0.0027	<0.0029
Dibromomethane	<0 0042	<0 0049	<0.0046	<0.0048
Dichlorodifluoromethane	<0 0042	<0 0049	<0.0046	<0.0048
Ethylbenzene	<0 0042	<0 0049	<0.0046	<0.0048
Hexachlorobutadiene	<0 0025	<0 0029	<0.0027	<0 0029
Isobutylbenzene (TIC)	0	0	0	0
Isopropylbenzene (Cumene)	<0.0042	<0 0049	<0 0046	<0.0048
m,p-Xylene	<0.0042	<0.0049	<0.0046	<0 0048
Methyl tertiary-butyl ether	<0.017	<0 02	<0.018	<0 019
Methylene chloride	0.0015	0 001	0 0018	0.0016
n-Butylbenzene	<0.0042	<0.0049	<0 0046	<0 0048
n-Propylbenzene	<0.0042	<0.0049	<0 0046	<0 0048
Naphthalene	<0 0042	<0.0049	<0 0046	<0 0048
o-Xylene	<0 0042	<0 0049	<0 0046	<0 0048
p-Cymene (p-isopropyltoluene)	<0.005	<0 0059	<0 0055	<0 0057
Sec-butylbenzene	<0 0042	<0 0049	<0 0046	<0 0048
Styrene	<0 0042	<0 0049	<0.0046	<0.0048
t-Butylbenzene	<0 0042	<0 0049	<0.0046	<0 0048
Tetrachloroethylene (PCE)	<0 0042	<0 0049	<0 0046	<0 0048
Toluene	<0.0042	<0.0049	<0 0046	<0 0048
trans-1 2-Dichloroethene	<0.0042	<0.0049	<0 0046	<0 0048
trans-1 3-Dichloropropene	<0 0042	<0 0049	<0 0046	<0 0048
Trichloroethylene (TCE)	<0 0042	<0 0049	<0 0046	<0 0048
Trichlorofluoromethane	<0 0042	0 0024	0 001	<0.0048
Vinyl acetate	<0.042	<0.049	<0.046	<0.048
Vinyl chloride	<0.0042	<0.0049	<0.0046	<0.0048

Units:
mg/kg = milligrams per kilogram
mg/L = milligrams per liter

Abbreviations:
NA = not applicable
TIC = Tentatively Identified Compound

References:
4PTO94 = Task Order 0094 (Montgomery Watson Harza, 2004)

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UH2007504

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA95.700.251.49 | Manifest Document No. 04241 | 2 Page 1 of 1 | BOL 04241

3. Generator's Name and Mailing Address
DRMO VANDENBERG AFB
806 13th St ; P.O. Box 5512
Vandenberg AFB, Ca 93437-5221

4 Generator's Phone ( ) ~~310-522-1168~~ 805-734-0726

5. Transporter 1 Company Name: Biagi Brothers | 6. US EPA ID Number: N/A | A. Transporter's Phone: 800-427-6696

7. Transporter 2 Company Name | 8. US EPA ID Number | B. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10 US EPA ID Number: CAT000646117

C Facility's Phone: 559-386-9711

11. Waste Shipping Name and Description	12 Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	~~00012~~ 437840	P
b				
c				
d.				

D. Additional Descriptions for Materials Listed Above
Profile #EC2181
~~DRMO~~ Soil Remediation SP04 ~~11510~~ 11510

E. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Kevin M. [signature] for VAFB | Signature: [signature] for VAFB | Month Day Year: 09 02 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Cory Dison | Signature: [signature] | Month Day Year: 09 02 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19 Discrepancy Indication Space

20 Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19

Printed/Typed Name: Ramona Ramos | Signature: [signature] | Month Day Year: 09 02 04

GENERATOR

TRANSPORTER

FACI

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12-BLC-M5

WH 20109504

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA95.7.0.0.2514.9 | Manifest Document No. 04251 | 2. Page 1 of 1 | BDL0425

3. Generator's Name and Mailing Address: DRMO-VANDENBERG AFB
PO Box 5512 806 13th St
Vandenberg AFB, Ca 93437-5221

4. Generator's Phone ( ) ~~310-522-1168~~ 805-734-0726

5. Transporter 1 Company Name: Stan Lester Trucking | 6. US EPA ID Number: CAR000.155291 | A. Transporter's Phone: 661 345 5958

7. Transporter 2 Company Name | 8. US EPA ID Number | B. Transporter's Phone

9. Designated Facility Name and Site Address: Chemical Waste Management, 35251 Old Skyline Road, Kettleman City, CA 93239 | 10. US EPA ID Number: CAT000646117 | C. Facility's Phone: 559-386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	45420 ~~00018~~	P ~~Y~~
b. # CA 418549n				
c.				
d				

D. Additional Descriptions for Materials Listed Above
Profile #EC2181
DRMO soil - Bldg 11510

E. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Ken M. Ar for Vandenberg AFB | Signature: for Vandenberg AFB | Month 09 Day 07 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Stan Lester | Signature | Month 09 Day 07 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos | Signature: RR | Month 09 Day 07 Year 04

GENERATOR — TRANSPORTER — FACILITY

Printed by J. J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12 BLC M5

WH 20109604

Please print or type (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA.9.5.7.0.0.2.5.1.4.9
Manifest Document No.: 04250
2. Page 1 of 1
BOL04250

3. Generator's Name and Mailing Address: DRMO VANDENBERG AFB
P.O Box 5512
806 13th St
Vandenberg AFB, Ca. 93437-5221

4. Generator's Phone ( ) ~~310-522-1168~~ 805-734-0726

5. Transporter 1 Company Name: HL Cope Cartage
6. US EPA ID Number: CAL.0.0.0.7.7.4.9.1.7
A. Transporter's Phone: 559 935 1163

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: 559-386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	46300 ~~00018~~	P ~~Y~~
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Profile #EC2181
DRMO Soil - Bldg 11510

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information

CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Kevin M. Ard for Vandenberg AFB
Signature: [signature] for Vandenberg AFB
Month 09 Day 07 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: H.L. Cope
Signature: [signature]
Month 09 Day 07 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Ramona Ramos
Signature: [signature]
Month 09 Day 07 Year 04

GENERATOR

TRANSPORTER

FAC

Printed by: J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12-BLC-M5

1214 20109704

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149
Manifest Document No. 04252
2. Page 1 of 1

3. Generator's Name and Mailing Address DRMO VANDENBERG AFB
PO BOX 5512 805 13th St
Vandenberg AFB, Ca 93437-5221
4. Generator's Phone ( ) ~~310-522-1168~~ 805-734-0726

5. Transporter 1 Company Name BRYANT TRANSPORTATION
6. US EPA ID Number CAL000275117
A. Transporter's Phone 559 935 8434

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number CAT000646117
C. Facility's Phone 559-386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	48260 ~~00078~~	P ~~Y~~
b				
c				
d				

D. Additional Descriptions for Materials Listed Above
Profile #EC2181
DRMO Soil Bldg 1151 0

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information

CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name Ken Ano for VAFB
Signature for VAFB
Month 09 Day 07 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name JERRY BRYANT
Signature
Month 09 Day 07 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Ramon Ramos
Signature RR
Month 09 Day 07 Year 04

GENERATOR
TRANSPORTER
FACILITY

Printed by C.J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

EZ BLC-M5

NH 20223204

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149

Manifest Document No. 047263

2. Page 1 of 1

BOL 04263

3. Generator's Name and Mailing Address
Vandenberg AFB BLDG 11510-DRMO
806 13th ST. ,P.O. Box 5512 Vandenberg, Ca. 93447-5221

4. Generator's Phone (805) 734-0726

5. Transporter 1 Company Name: American Integrated

6. US EPA ID Number: N/A

A. Transporter's Phone: 310-522-1168

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Waste Management - KC
35251 Old Skyline Rd.
Kettleman City, CA 93239

10. US EPA ID Number: CAT000646117

C. Facility's Phone: (800) 222-2964

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	43740	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

Wear proper protective equipment while handling. Weights or volumes are approximate. 24 Hour emergency number (888) 423-6060 (AIS Dispatcher).

Site: SAME AS ABOVE
Address:
Profile #: EC2181
Project #: 24070

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Ken M. Al for VAFB | Signature: for VAFB | Month 09 Day 13 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Irvin Dman | Signature: | Month 09 Day 13 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Rose Salazar | Signature: | Month 09 Day 13 Year 04

GENERATOR

TRANSPORTER

FACILITY

Printed by L.S. KELLER & ASSOCIATES, INC. Madison, WI 608/271-0200

ORIGINAL - RETURN TO GENERATOR

12-B1-0 1/99

H 20223304

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA 9570025149
Manifest Document No. 042604
2. Page 1 of 1
BOL 04264

3. Generator's Name and Mailing Address
Vandenberg AFB BLDG 11510-DRMO
806 13th ST., P.O. Box 5512 Vandenberg, Ca. 93447-5221

4. Generator's Phone (805) 734-0726

5. Transporter 1 Company Name: American Integrated
6. US EPA ID Number: N/A
A. Transporter's Phone: 310-522-1168

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Waste Management - KC
35251 Old Skyline Rd.
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: (800) 222-2964

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	37.46.0	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above: D3

15. Special Handling Instructions and Additional Information

Wear proper protective equipment while handling. Weights or volumes are approximate. 24 Hour emergency number (888) 423-6060 (AIS Dispatcher).

Site: SAME AS ABOVE
Address:
Profile #: EC2181
Project #: 24070

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Ken Arel for VACS
Signature: Arel for VACS
Month Day Year: 09 13 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOE LLOYD
Signature: Joe Lloyd
Month Day Year: 09 13 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Rose Salazar
Signature
Month Day Year: 09 13 04

GENERATOR
TRANSPORTER
FACILITY

Prepared by: J. FELLER & ASSOCIATES, INC.
Vernon, NJ 1-973-764-0368

ORIGINAL - RETURN TO GENERATOR

12-BLS-MG

NH2024/504

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA 9570025149
Manifest Document No: 04265
2. Page 1 of 1
B01 04265

3. Generator's Name and Mailing Address
Vandenberg AFB BLDG 11510-DRMO
806 13th ST. ,P.O. Box 5512 Vandenberg, Ca. 93447-5221

4. Generator's Phone (805) 734-0726

5. Transporter 1 Company Name: American Integrated
6. US EPA ID Number:
A. Transporter's Phone: 310 532 1168

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
Waste Management - KC
35251 Old Skyline Rd.
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: (800) 222-2964

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	45740	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

Wear proper protective equipment while handling. Weights or volumes are approximate. 24 Hour emergency number (888) 423-6060 (AIS Dispatcher).

Site: ~~SAME~~ AS ABOVE
Address:

Profile #: EC2181
Project #: 24070

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Mark Duncan for V.A.F.B.
Signature:
Month Day Year: 09 14 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: IRVIN DUNCAN
Signature:
Month Day Year: 09 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19

Printed/Typed Name: Phil Acosta
Signature:
Month Day Year: 09 14 04

GENERATOR
TRANSPORTER
FACILITY

PRINTED BY DAVID KEITH & ASSOCIATES, INC.

ORIGINAL - RETURN TO GENERATOR

12-BLUE-NTG

NH2024704

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA 9570025149
Manifest Document No. 04266
2. Page 1 of 1
B0104266

3. Generator's Name and Mailing Address
Vandenberg AFB BLDG 11510-DRMO
806 13th ST. ,P.O. Box 5512 Vandenberg, Ca. 93447-5221

4. Generator's Phone (805)734-0726

5. Transporter 1 Company Name: AIS
6. US EPA ID Number: Not Required
A. Transporter's Phone: 310-522-1168

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Waste Management - KC
35251 Old Skyline Rd.
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: (800) 222-2964

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	371.20	P
b.				
c.				
d				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

Wear proper protective equipment while handling. Weights or volumes are approximate. 24 Hour emergency number (888) 423-6060 (AIS Dispatcher).

Site: SAME AS ABOVE
Address:

Profile #: EC2181
Project #: 24070

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Mark Duncan for V.A.F.B.
Signature:
Month Day Year: 09 14 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOE LLOYD
Signature: Joe Lloyd
Month Day Year: 09 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Phil Acosta
Signature:
Month Day Year: 09 14 04

GENERATOR
TRANSPORTER
FACILITY

Hunter Lyon Keller & Associates, Inc.
Modesto, CA 1-800-367-4661

ORIGINAL - RETURN TO GENERATOR

12-BEC-M6

NH 20243004

9B60453

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(Form designed for use on elite (12 pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 0.4.2.6.7

2. Page 1 of

BOL 04267

3. Generator's Name and Mailing Address
DRMO VANDENBERG AFB
806 13th St
Vandenberg AFB, Ca 93437-5221

4. Generator's Phone ( ) 310-522-1168

5. Transporter 1 Company Name: MTS

6. US EPA ID Number: CAR000043331

A. Transporter's Phone: (661) 763-5724

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number: CAI000646117

C. Facility's Phone: 559-386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	42,400 ~~00018~~	P ~~X~~
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

Profile # EC2181

E. Handling Codes for Wastes Listed Above

03

15. Special Handling Instructions and Additional Information

CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Mark Duncan for V.A.F.B

Signature: [signature]

Month Day Year: 09 14 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: SCOTT BALLARD

Signature: Scott Ballard

Month Day Year: 09 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Phil Acosta

Signature: [signature]

Month Day Year: 09 14 04

GENERATOR

TRANSPORTER

FACILITY

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Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12 BLC M5

7D6U470

NH20243704

Form Approved. OMB No. 2050-0039
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025145
Manifest Document No. 04268
2. Page 1 of
BOL04268

3. Generator's Name and Mailing Address
DRMO VANDENBERG AFB
805 13th St
Vandenberg AFB, Ca 93437-5221
4. Generator's Phone ( ) 310-522-1168

5. Transporter 1 Company Name: MASHBURN TRANS
6. US EPA ID Number: CAR000433331
A. Transporter's Phone: 661-763-5724

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: 559-386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	41,260 ~~00.15~~	P ~~T~~
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Profile #EC2181

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
CHEMPREC Emergency Response Number (800) 424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Mark Duncan for V.A.F.B.
Signature:
Month Day Year: 09 14 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL WHEALY
Signature:
Month Day Year: 09 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SHAW HOLLIDAY
Signature:
Month Day Year: 09 14 04

GENERATOR
TRANSPORTER
FACIL

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Nashua, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12-84-C-M5

4C17836

NH2024404

Please print or type
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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA.9.5.7.0.0.2.5.1.4.9
Manifest Document No. 64270
2. Page 1 of 1
BOL04270

3. Generator's Name and Mailing Address DRMO VANDENBERG AFB
806 13th St
Vandenberg AFB, Ca. 93437-5221

4. Generator's Phone ( ) 310-522-1168

5. Transporter 1 Company Name MTS
6. US EPA ID Number CAR000043331
A. Transporter's Phone 661-763-5724

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number CAT000646117
C. Facility's Phone 559-386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	41,740 ~~00018~~	P ~~Y~~
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Profile #EC2181

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name Mark Duncan for V.A.F.B
Signature
Month Day Year 09 14 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Gene Lueth
Signature
Month Day Year 09 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19
Printed/Typed Name Steve Hoekhouse
Signature
Month Day Year 09 14 04

GENERATOR
TRANSPORTER
FACIL

Printed by J.J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

172-BLG-105

N 0 4 2 4 9 0 0 C

Print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 | Manifest Document No. 04269 | 2. Page 1 of 1 | BOL04269

3. Generator's Name and Mailing Address
DRMO VANDENBERG AFB
806 13th St
Vandenberg AFB, Ca 93437-5221

4. Generator's Phone ( ) 310-522-1168

5. Transporter 1 Company Name: MASHBURN
6. US EPA ID Number: CAR000043331
A. Transporter's Phone: 661-763-5724

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: 559-386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	43,700 ~~00018~~	P ~~Y~~
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Profile #EC2181

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
~~CHEMTREC~~ Emergency Response Number (800) 424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Mark Duncan for V.A.F.B. | Signature | Month 09 Day 14 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ronny Wise | Signature | Month 09 Day 14 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Rose Salazar | Signature | Month 09 Day 14 Year

GENERATOR
TRANSPORTER
FACIL

Printed by J. J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12-BLC-M5

N # 202586 001

9B60453

Please print or type
(Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA957.00.25.149
Manifest Document No.: 04275
2. Page 1 of 1
BOL04275

3. Generator's Name and Mailing Address: DEMO VANDENBERG AFB
806 13th St
Vandenberg AFB, Ca. 93437-5221

4. Generator's Phone ( ) 310-522-1168

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR.0.0.0.04.3.3.3.1
A. Transporter's Phone: 661 263 5724

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address:
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: 559-386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	44240 ~~00018~~	P ~~Y~~
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Profile # EC2181

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information

CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Mark Duncan for V.A.F.B.
Signature: [signature]
Month 09 Day 14 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: SCOTT BALLARD
Signature: Scott Ballard
Month 09 Day 14 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19

Printed/Typed Name: STEVEN HOLSHOUSER
Signature: [signature]
Month 09 Day 14 Year 04

GENERATOR
TRANSPORTER
FACILITY

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ORIGINAL - RETURN TO GENERATOR

12-BLP-M5

9CT7836 NH20258704

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA9570025149
Manifest Document No.: 04274
2. Page 1 of 1
BOL04274

3. Generator's Name and Mailing Address: ARMO VANDENBERG AFB
806 13th St
Vandenberg AFB, Ca 93437-5221

4. Generator's Phone ( ) 310-522-1168

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043331
A. Transporter's Phone: 661-763-5724

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: 559-386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	46,740 ~~00018~~	P ~~Y~~
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Profile #EC2181

E. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Mark Duncan for V.A.F.B.
Signature: [signature]
Month 09 Day 14 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Gene Lueth
Signature: Gene Lueth
Month 09 Day 14 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: STEVEN HOWHOUSER
Signature: S Howhouser
Month 09 Day 14 Year 04

GENERATOR / TRANSPORTER / FACILITY

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ORIGINAL - RETURN TO GENERATOR

12-BLC-M5

NH 202594 04

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA 9 5 7 0 0 2 5 1 4 9 | Manifest Document No. 04277 | 2. Page 1 of 1 | BOL04277

3. Generator's Name and Mailing Address: BRMO VANDENBERG AFB
bldg 6530 ~~266~~ 13th St P.O. Box 5512
Vandenberg AFB, Ca. 93437-5221

4. Generator's Phone ( ) 310-522-1168

5. Transporter 1 Company Name: MASHBURN | 6. US EPA ID Number: CAR.0.0.0.0.4.3.3.3.1 | A. Transporter's Phone: 661-763-5724

7. Transporter 2 Company Name: | 8. US EPA ID Number: | B. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number: CAT000646117 | C. Facility's Phone: 559-386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	45,880 ~~00018~~	P ~~Y~~
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Profile #EC2181

E. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Mark Duncan for V.A.F.B. | Signature: [signature] | Month 04 Day 14 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ronny Wise | Signature: [signature] | Month 09 Day 14 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: | Signature: | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19

Printed/Typed Name: Aristeo Zarate | Signature: [signature] | Month 9 Day 14 Year 04

GENERATOR

TRANSPORTER

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ORIGINAL - RETURN TO GENERATOR

12-BLC-M5

9B60440 NH2025 4904

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04276
2. Page 1 of 1: BOL04276

3. Generator's Name and Mailing Address: DRMO VANDENBERG AFB
Bldg 6830 13th St P.O. Box 5512
Vandenberg AFB, Ca 93437-5221

4. Generator's Phone ( ) 310-522-1168

5. Transporter 1 Company Name: Mil.S. INC. #64
6. US EPA ID Number: CAR000043331
A. Transporter's Phone: 661-763-5724

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: 559-386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	46,560 ~~00018~~	P ~~Y~~
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Profile #EC2181

E. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Mark Duncan for V.A.F.B.
Signature: [signature] for V.A.F.B.
Month 09 Day 14 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Paul W Healy
Signature: [signature]
Month 09 Day 14 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19

Printed/Typed Name: Aristeo Zarate
Signature: [signature]
Month 9 Day 14 Year 04

GENERATOR

TRANSPORTER

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ORIGINAL - RETURN TO GENERATOR

112 BLC M5

4ER-5098

+20294104 CWMI

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 Manifest Document No. 04298

2. Page 1 of 1 BOL04298

3. Generator's Name and Mailing Address
DRMO-VANDENBURG AFB
806 13TH ST P.O. Box 5512
VANDENBURG AFB CA 93437-5221

4. Generator's Phone (~~310) 522-1163~~ 805-734-0726

5. Transporter 1 Company Name: Elizondo Trucking
6. US EPA ID Number: N/A
A. Transporter's Phone: 661-343-3931

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10. US EPA ID Number: C.A.T.0.0.0.6.4.6.1.1.7
C. Facility's Phone: (209)386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	47200	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
a. EC2181
Drmo Soil

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Kevin Arick for VAFB	[signature] for VAFB	09	16	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Urbano Elizondo	[signature]	09	16	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19

Printed/Typed Name	Signature	Month	Day	Year
Steven Hoisthorsen	[signature]	09	16	04

GENERATOR

TRANSPORTER

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ORIGINAL - RETURN TO GENERATOR

12-BLC-M6

NH 10/17/04 CWMI

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. E·X·E·M·P·I
Manifest Document No. 0·4·4·2·6
2. Page 1 of 1
BOL 04426

3. Generator's Name and Mailing Address
DRMO-VANDENBURG AFB
~~806 13TH ST~~ BLDG 11510 PO BOX 5512
VANDENBURG AFB 805 7340726 CA 93437-5221
4. Generator's Phone (~~310 522 1169~~

5. Transporter 1 Company Name: MB Trucking
6. US EPA ID Number: C·A·T·0·0·0·1·1·9·3·9·6
A. Transporter's Phone: 909 5457788

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: C A T 0 0 0 6 4 6 1 1 7
C. Facility's Phone: ~~(209)~~ 386-9711 (559)

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-REGULATED MATERIALS (SOIL, PLASTIC)	001	DT	4840	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
a. EC2181
DRMO Soil

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
T Chenault FOR VAFB	T Chenault FOR VAFB	09	30	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Franklin Perdomo	[signature]	09	30	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Steven Hollinger	[signature]	09	30	04

GENERATOR — TRANSPORTER — FACILITY

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ORIGINAL - RETURN TO GENERATOR

12-BLC-MB

NH 161 16204

CWMI

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: E.X.E.M.P.T.
Manifest Document No.: 0.4.4.2.5
2. Page 1 of 1
BOL 04425

3. Generator's Name and Mailing Address
DRMO-VANDENBURG AFB
~~806 13TH ST~~ BLDG 11510 PO BOX 5512
VANDENBURG AFB ~~805~~ 734 0726 CA 93437-5221
4. Generator's Phone (~~310 522 1168~~ 10

5. Transporter 1 Company Name: ISLAND
6. US EPA ID Number: N/A
A. Transporter's Phone: 800 400 4347

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: ~~(209)~~ 386-9711 559 10

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-REGULATED MATERIALS (SOIL, PLASTIC)	0.0.1	DT	4.5.9.2.0	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
a. EC2181
DRMO Soil

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
J Chenevert FOR VAFB	J Chenevert FOR VAFB	0.9	3.0	0.4

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Orlando Duran	Orlando	0.9	3.0	0.4

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Steven Houghouse	S H	09	30	04

GENERATOR

TRANSPORTER

FACILITY

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ORIGINAL - RETURN TO GENERATOR

12-BLC-M6

TP04192

NH10181704 CWMI

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: EXEMPT 044 (2)
Manifest Document No.: 04428
2. Page 1 of 1
BOL 04428

3. Generator's Name and Mailing Address
DRMO-VANDENBURG AFB
~~806 13TH ST~~ (2) BLDG 11510 PO BOX 5512
VANDENBURG AFB 805 734 0726 CA 93437-5221
4. Generator's Phone (~~310 522-1168~~ (2)

5. Transporter 1 Company Name: ISLAND
6. US EPA ID Number: N/A
A. Transporter's Phone: 800 400 4347

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: 559 ~~(209)~~ 386-9711 (2)

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-REGULATED MATERIAL, (SOIL, PLASTIC)	001	DT	42840	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
a. EC2181
DRMO Soil

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: J CHENEVERT FOR VAFB
Signature: [signature] FOR VAFB
Month 1.0 Day 0.1 Year 0.4

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE MAIER
Signature: [signature]
Month 10 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 10 Day 01 Year 04

GENERATOR

TRANSPORTER

FACILITY

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ORIGINAL - RETURN TO GENERATOR

12-BLC-M6

NH101826021 CWMI

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: EXEMPT
Manifest Document No.: 0.4.4.2.7
2. Page 1 of 1: BOL04427

3. Generator's Name and Mailing Address
DRMO-VANDENBURG AFB
~~806 13TH ST~~ BLDG 11510 PO BOX 5512
VANDENBURG AFB 805 734 0726 CA 93437-5221
4. Generator's Phone (~~310 522-1168~~

5. Transporter 1 Company Name: AIS
6. US EPA ID Number: N/A
A. Transporter's Phone: 310 522-1168

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CIIY CA 93239
10. US EPA ID Number: C.A.T.0.0.0.6.4.6.1.1.7
C. Facility's Phone: ~~(209)~~ 559 386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a NON-REGULATED MATERIAL, (SOIL, PLASTIC)	0.0.1	D.T	3.5.0.4.0	P
b				
c				
d				

D. Additional Descriptions for Materials Listed Above
a. EC2181
DRMO Soil

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: J CHENEVERT FOR VAFB
Signature: [signature] FOR VAFB
Month Day Year: 1.0 0.1 0.4

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JOE LLOYD
Signature: Joe Lloyd
Month Day Year: 10 01 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month Day Year: 10 01 04

GENERATOR / TRANSPORTER / FACILITY

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ORIGINAL - RETURN TO GENERATOR

12-BLC-M6

NHI0189707 CWMI

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. EXEMPT

Manifest Document No. 04430

2. Page 1 of 1

BOL 04430

3. Generator's Name and Mailing Address
DRMO-VANDENBURG AFB
~~806 13TH ST~~ BLDG 11510 PO BOX 5512
VANDENBURG AFB 805 7340726 CA 93437-5221

4. Generator's Phone (~~310 522-1168~~)

5. Transporter 1 Company Name: ISLAND

6. US EPA ID Number: N/A

A. Transporter's Phone: 800 400 4347

7. Transporter 2 Company Name:

8. US EPA ID Number:

B. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10. US EPA ID Number: CAT000646117

C. Facility's Phone: 559 ~~(209)~~ 386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-REGULAIED MATERIAL, (SOIL, PLASTIC)	001	DT	47740	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
a. EC2181

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

DRMO Soil

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
J CHENEVERT FOR VAFB	[signature] FOR VAFB	10	01	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Orlando Duran	[signature]	10	01	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19

Printed/Typed Name	Signature	Month	Day
Jose Salazar	[signature]	10	04

GENERATOR

TRANSPORTER

FACILITY

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ORIGINAL - RETURN TO GENERATOR

12-BLC-M6

NH10189404

CWMI

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(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: EXEMPT
Manifest Document No.: 0.4.4.2.9
2. Page 1 of 1: BOL04429

3. Generator's Name and Mailing Address
DRMO-VANDENBURG AFB
~~806 13TH ST~~ BLDG 11570 PO BOX 5512
VANDENBURG AFB 805 734 0726 CA 93437-5221
4. Generator's Phone (~~310 522 1168~~

5. Transporter 1 Company Name: MB Trucking
6. US EPA ID Number: CAT000119346
A. Transporter's Phone: 909 545 7298

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: ~~(209)~~ 386-9711 559

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-REGULATED MATERIAL, (SOIL, PLASTIC)	001	DT	48920	P
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
a. EC2181
DRMO Soil

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
J CHENEVERT FOR VAFB	[signature] FOR VAFB	10	01	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Franklin Perdoma	[signature]	10	01	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19

Printed/Typed Name	Signature	Month	Day	Year
Rose Salazar	[signature]	10	01	04

GENERATOR

TRANSPORTER

FACILITY

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12-BLC-M6

N P 105796IVC CWMI

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. E X E M P T
Manifest Document No. 0 4 4 3 3
2. Page 1 of 1
30L04433

3. Generator's Name and Mailing Address
DRMO-VANDENBURG AFB
~~806 13TH ST~~ BLDG 11510 PO BOX 5512
VANDENBURG AFB CA 93437-5221
4. Generator's Phone (~~310) 522-1168~~ 805 734-0726

5. Transporter 1 Company Name: A15
6. US EPA ID Number: N/A
A. Transporter's Phone: (310) 522-1168

7. Transporter 2 Company Name: /
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: C A T 0 0 0 6 4 6 1 1 7
C. Facility's Phone: 551 ~~(209)~~ 386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	31940	P
b.				
c.				
d				

D. Additional Descriptions for Materials Listed Above
a. EC2181
DRMO Soil

E. Handling Codes for Wastes Listed Above
DB

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: FOR VAFB
Signature: FOR VAFB
Month 10 Day 01 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JOE CLOYD
Signature:
Month 10 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day

GENERATOR
TRANSPORTER
FACILITY

Printed by J. J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12-BLC-M6

UP 26534 NIT 20595004 CWMI

Please print or type
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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. E·X·E·M·P·T
Manifest Document No. 04441
2. Page 1 of 1
BOL 04441

3. Generator's Name and Mailing Address
DRMO-VANDENBURG AFB
~~806 13TH ST~~ P.O. Box 5512
VANDENBURG AFB CA 93437-5221
4. Generator's Phone (310) 522-1168

5. Transporter 1 Company Name: MB TRUCKING
6. US EPA ID Number: CAR000111694
A. Transporter's Phone: 909 5459278

7. Transporter 2 Company Name
8. US EPA ID Number
B. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASIE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117
C. Facility's Phone: (209)386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a NON-REGULATED MATERIALS (SOIL, PLASTIC) SOLID	001	DT	47960	P
b				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
a. EC2181
DRMO Soil

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Mark Duncan for V.A.F.B.
Signature: for V.A.F.B.
Month Day Year: 10 14 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JOSE MENDIVAR
Signature: Jose Mendivar
Month Day Year: 10 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Rose Salazar
Signature
Month Day Year: 10 14 04

GENERATOR
TRANSPORTER
FACILITY

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12-BL-M6

NH 20034504 CWMI

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: E X E M P T

Manifest Document No.: 04445

2. Page 1 of 1

BOL 04445

3. Generator's Name and Mailing Address
DRMO-VANDENBURG AFB BLDG 11510 PO BOX 5512
~~806 131H ST~~
VANDENBURG AFB CA 93437-5221

4. Generator's Phone (~~310 522-1168~~) 805 734-0726

5. Transporter 1 Company Name: AZS

6. US EPA ID Number: N/A

A. Transporter's Phone: 310 522 1168

7. Transporter 2 Company Name:

8. US EPA ID Number:

B. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10. US EPA ID Number: C A T 0 0 0 6 4 6 1 1 7

C. Facility's Phone: (209)386-9711

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a NON-REGULATED MATERIAL (SOIL, PLASTIC)	001	DT	30000	P
b				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
a. EC2181
DRMO Clean up Soil

E. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: CHENEWERT FOR VAFB
Signature: FOR VAFB
Month Day Year: 10 18 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joe Cloyd
Signature:
Month Day Year: 10 18 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Phil Acosta
Signature:
Month Day Year: 10 18 04

GENERATOR
TRANSPORTER
FACILITY

Printed by: J. J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

ORIGINAL - RETURN TO GENERATOR

12 HLC M6

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA9570025149
Manifest Document No.: 04222
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: P.O. Box 5512 VANDENBERG AFB BLDG 11510 - CIVIL ENGINEERING BLDG 806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761550
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-391-4545
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

5. Transporter 1 Company Name: Shaffs
6. US EPA ID Number: CAR000090266
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Chemical Waste Management, 35251 Old Skyline Road, Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, WASTE SOLID (PCB<50 PPM)	001	DT	46180	P	State 611; EPA/Other N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: Profile #: EC5625
DEMO 11559 Soil

K. Handling Codes for Wastes Listed Above: a. 03; b.; c.; d.

15. Special Handling Instructions and Additional Information: 24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Kevin M. Aoul for Vandenberg AFB
Signature: [signature] for Vandenberg AFB
Month Day Year: 09 01 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HAROLD HOLMAN
Signature: [signature]
Month Day Year: 09 01 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: ARISTEO ZARATE
Signature: [signature]
Month Day Year: 9 01 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

DTSC 8022A (1/99)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P.O. Box 3000 Sacramento CA 95812

State of California — Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA9570025149
Manifest Document No.: 04227
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address:
VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761551
B. State Generator's ID:

5. Transporter 1 Company Name: Stan Lester Trucking
6. US EPA ID Number: CAR000115529 1
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 661 393-5958

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]
F. Transporter's Phone:

9. Designated Facility Name and Site Address:
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT080046117
G. State Facility's ID: CAT080046117
H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA (PCB<50 PPM)	001	DT	42980	P	State 611; EPA/Other N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above:
Profile #: EC5625
CA #418549R
DOT 5113 Non RCRA Hazardous waste per Kevin Arick @ Safety Kleen 8-9-1-04

K. Handling Codes for Wastes Listed Above:
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information:
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. ~~GENERATOR'S~~ CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Kevin M. Arick for VAFB	for VAFB	09	01	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Stan Lester	Stan Lester	09	01	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rose Salazar		09	01	04

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

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State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99) UP11812
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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04225
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: P.O. Box 5512
VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761552
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-391-9545
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

5. Transporter 1 Company Name: Shaffs
6. US EPA ID Number: Car000090266
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA (PCB<50 PPM)	001	DT	44820 ~~00018~~	P ~~Y~~	State 611 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above: Profile #: EC5625
DOT S/B Non RCRA Hazardous Waste Solid per Kevin Prick @ Saftey Kleen RS 9/1/04
DEMO 11559 Soil

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Kevin M. Arick for VAFB	[signature] for VAFB	09	01	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Joe Wheeler	Joe Wheeler	09	01	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Jose Salazar	[signature]	09	01	04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

DTSC 8022A (1/99)
EPA 8700—22

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To: P.O. Box 3000, Sacramento, CA 95812

State of California Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA9570025149
Manifest Document No: 04224
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: VANDENBERG AFB
P.O. BOX 5512 BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761553
B. State Generator's ID:

5. Transporter 1 Company Name: SHAFFS TRANSPORTATION
6. US EPA ID Number: CAR000090266
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-391-4545

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemtrek Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON - TOSCA (PCB<50 PPM)	001	DT	44840	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
DOT S/B Non RCRA Hazardous Waste Solid per Kevin Frick @ Safety Kleen DB 9-1-04
Ormo Soil 11559

K. Handling Codes for Wastes Listed Above
a. DB
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Kevin M. Ard for VAFB
Signature: [signature] for VAFB
Month 09 Day 01 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: TRAVIS PABLO SR
Signature: Travis Pablo SR
Month 09 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 01 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

C3101333

DTSC 8022A (1/99)
EPA 8700-22

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To: P O Box 3000 Sacramento, CA 95812

Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA957002514 9 | Manifest Document No: 04223 | 2 Page 1 of 1 | Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address: VANDENBERG AFB
P.O. Box 5512 BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4 Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761554

B. State Generator's ID:

5 Transporter 1 Company Name: Shaffs Trans

6. US EPA ID Number: CAR000090266

C. State Transporter's ID [Reserved.]:

D. Transporter's Phone: 661-391-4545

7 Transporter 2 Company Name:

8 US EPA ID Number:

E. State Transporter's ID [Reserved.]:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10 US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: 800-222-2964

11 US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON - TOSCA (PCB<50 PPM)	001	DT	47200	P	State 611 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above: Profile #: EC5625
143-UP11814
DOT S/B Non RCRA Hazardous Waste Solid per Kevin Arick @ Saftey Kleen DS 9-1-04

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Kevin M. Arick for VAFB | Signature: [signature] for VAFB | Month 09 Day 01 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Harlan Wilson | Signature: Harlan Wilson | Month 09 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Steven Holshouser | Signature: [signature] | Month 09 Day 01 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-

23761554

DTSC 8022A (1/99)
EPA 8700-22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento CA 95812

State of California Uniform Hazardous Waste Manifest
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type Form designed for use on elite (12-pitch) typewriter

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 — Manifest Document No 042311 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
P.O. Box 5512
VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4. Generator's Phone ( ) ~~805-734-0725~~

A. State Manifest Document Number 23761557

B. State Generator's ID

5. Transporter 1 Company Name: Rust & Son's

6. US EPA ID Number: CAL000203484

C. State Transporter's ID [Reserved]

D. Transporter's Phone (619) 443-6193

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID [Reserved]

F. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA (PCB<50 PPM)	001	DT	47060	P	State / EPA/Other 611 N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile # EC5625
DOT 51B Non-RCRA Hazardous Waste Solid
per Kevin Avick @ Safety Kleen
9-1-04
DEMO Soil 11559

K. Handling Codes for Wastes Listed Above
a. D3 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Kevin A. Ayala 30 SAB — Signature: [signature] 30 SAB — Month 09 Day 01 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ramón Lopez-Ruedo — Signature: Lopez-Ruedo — Month 09 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar — Signature: [signature] — Month 09 Day 01 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700-22

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To: P O Box 3000 Sacramento CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04230
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: P.O. Box 5512
VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761558
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: (619) 443-6193
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

5. Transporter 1 Company Name: Rust & Sons
6. US EPA ID Number: CAT000203444
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address:
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON - TOSCA (PCB<50 PPM)	001	DT	44900	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
DOT SIB Non-RCRA Hazardous Waste Solid Perkeoin Arick @ Safley Kleen RS 9-1-04
DRMO Soil 11559

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Ken Arick for VAFB
Signature: [signature] for VAFB
Month 09 Day 01 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ARDRE White
Signature: [signature]
Month 09 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 01 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 Manifest Document No. 04226
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
VANDENBERG AFB
P.O. Box 5512 BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number 23761559
B. State Generator's ID
C. State Transporter's ID [Reserved]
D. Transporter's Phone 619-443-6193
E. State Transporter's ID [Reserved]
F. Transporter's Phone
G. State Facility ID 00006461 17
H. Facility's Phone 800-222-2964

5. Transporter 1 Company Name: RUST & SONS TRUCKING
6. US EPA ID Number: CAL000203444
7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
NON RCRA HAZARDOUS, NON-TOSCA (PCB<50 PPM)	001	DT	38400 ~~00018~~	P ~~Y~~	State 611 / EPA/Other N/A
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile # EC5625
DOT SIB Non RCRA Hazardous Waste Solid per Kevin Arick @ Safety Kleen RS 9-1-04

K. Handling Codes for Wastes Listed Above
a. D2 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Kevin M. Arick for VAFB
Signature: for VAFB
Month 09 Day 01 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE BRAMER
Signature: Mike Bramer
Month 09 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose Salazar
Signature
Month 09 Day 01 Year 04

DO NOT WRITE BELOW THIS LINE

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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To: P.O. Box 3000 Sacramento CA 95812

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9B43061

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04221
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: VANDENBERG AFB
P.O. BOX 5512 BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761560
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-978-5553
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

5. Transporter 1 Company Name: Villanueva Trucking
6. US EPA ID Number: CAL000275633
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON - TOSCA (PCB<50 PPM)	001	DT	43900	P	State: 611 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
DOT SIB NON RCRA Hazardous Waste Solid per Keven Arick @ Safkey Kleen RS 9-1-04

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Kevin M. Arnold for VAFB ~~Frank Villanueva~~
Signature: [signature] for VAFB
Month 09 Day 01 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Frank Villanueva
Signature: [signature]
Month 09 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 01 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 — Manifest Document No 04220 — 2 Page 1 of 1

Information in the shaded areas is not required by Federal law

A. State Manifest Document Number 23761561

3. Generator's Name and Mailing Address VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
P.O. Box 5512

4. Generator's Phone ( ) 805-734-0726

B. State Generator's ID

5. Transporter 1 Company Name BRYANT TRANSPORTATION — 6. US EPA ID Number CAL000275117

C. State Transporter's ID [Reserved]

D. Transporter's Phone 559 935 8434

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID [Reserved]

F. Transporter's Phone

9. Designated Facility Name and Address
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number CAT000646117

G. State Facility's ID 00646117

H. Facility's Phone 800-222-2954

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
NON RCRA HAZARDOUS, NON-TOSCA (PCB<50 PPM)	001	DT	46560	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
DOT S/B Non RCRA Hazardous Waste Solid per Kevin Arick @ Safety Kleen 8S 9-1-04

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Kevin M. Arick for Vandenberg AFB — Signature: for Vandenberg AFB — Month 09 Day 01 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JERRY BRYANT — Signature — Month 09 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos — Signature — Month 09 Day 01 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

23761561

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. CA9570025149 Manifest Document No 04219

2 Page 1 of 1

Information in the shaded areas is not required by Federal law

A. State Manifest Document Number 23761562

B. State Generator's ID

C. State Transporter's ID [Reserved]

D. Transporter's Phone 559 935 1163

E. State Transporter's ID [Reserved]

F. Transporter's Phone

G. State Facility's ID CAT000646117

H. Facility's Phone 800-222-2964

3 Generator's Name and Mailing Address
VANDENBERG AFB
P.O. BOX 5512 BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4 Generator's Phone ( ) 805-734-0726

5 Transporter 1 Company Name H.L. COPE CARTAGE

6. US EPA ID Number CAL000092749

7 Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number CAT000646117

11 US DOT Description (including Proper Shipping Name Hazard Class and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA (PCB<50 PPM)	001	DT	46460	P	State / EPA/Other 611 / N/A
b.					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J Additional Descriptions for Materials Listed Above
Profile # EC5625
DOT 51B Non RCRA Hazardous Waste Solid per Kevin Arick @ Safety Kleen DS 9-1-04

K Handling Codes for Wastes Listed Above
a 03 b
c d

15 Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name Kevin M. Aird for Vandenberg AFB Signature for Vandenberg AFB Month 09 Day 01 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name H.L. COPE Signature Month 09 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name Ramona Ramos Signature RR Month 09 Day 01 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR
TRANSPORTER
FACILITY

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23761562

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA9570025149
Manifest Document No.: 04229 ~~61563~~
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: VANDENBERG AFB
P.O. BOX 5512 BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761563
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: (562) 4277277
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

5. Transporter 1 Company Name: ENVIROMENTAL RECOVERY SERVICES
6. US EPA ID Number: CA0000970392
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON - TOSCA (PCB<50 PPM)	001	DT	42480 ~~00018~~	P ~~Y~~	State: 611 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
DOT S/B Non RCRA Hazardous Waste Solid per Kevin Arick @ Saftey Kleen RS 9-1-04
PRMO Soil 11559

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: [signature] for VAFB
Signature: [signature] for VAFB
Month Day Year: 09 01 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Filiberto P. Torres
Signature: [signature]
Month Day Year: 09 01 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [signature]
Signature: [signature]
Month Day Year: 09 01 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

23101303

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA957002514 9 — Manifest Document No: 04228 ~~61564~~ (m)

2 Page 1 of 1

Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address: VANDENBERG AFB
P.O. Box 5512 BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4 Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761564

B State Generator's ID:

5 Transporter 1 Company Name: ENVIRCSERV

6 US EPA ID Number: CA0000970392

C State Transporter's ID [Reserved]:

D Transporter's Phone: (562) 427-7277

7 Transporter 2 Company Name:

8 US EPA ID Number:

E State Transporter's ID [Reserved]:

F Transporter's Phone:

9 Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10 US EPA ID Number: CAT000646117

G State Facility's ID: CAT000646117

H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name Hazard Class. and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON - TOSCA (PCB<50 PPM)	001	DT	40940 ~~[illegible]~~ (m)	P ~~[illegible]~~ (m)	State 611 / EPA/Other N/A
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: Profile #: EC5625 — DOT 5/B Non RCRA Hazardous Waste Solid per Kevin Arick @ Saftey Kleen 8-9-1-04

K Handling Codes for Wastes Listed Above: a. 00 b. c. d.

15. Special Handling Instructions and Additional Information

24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Kevin M. Arick for VAFB — Signature: [signature] for VAFB — Month Day Year: 09 01 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MARIO ALMARAZ — Signature: [signature] — Month Day Year: 09 01 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Rose Salazar — Signature: [signature] — Month Day Year: 09 01 04

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA957002514 9 — Manifest Document No: 04236

2 Page 1 of 1

Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address: P.O. BOX 5512
VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4 Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761566

B State Generator's ID:

5 Transporter 1 Company Name: BRYANT TRANSPORTATION

6. US EPA ID Number: CAL000275117

C State Transporter's ID [Reserved]:

D Transporter's Phone: 559 935-8434

7. Transporter 2 Company Name:

8 US EPA ID Number:

E. State Transporter's ID [Reserved]:

F Transporter's Phone:

9. Designated Facility Name and Site Address:
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10 US EPA ID Number: CAT000646117

G State Facility's ID: CAT000646117

H Facility's Phone: 800-222-2964

11 US DOT Description (including Proper Shipping Name Hazard Class and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON - TOSCA, Waste Solid (PCB<50 PPM)	001	DT	48800 ~~00018~~	P KA	State 611 EPA/Other N/A
b.					State EPA/Other
c					State EPA/Other
d					State EPA/Other

J Additional Descriptions for Materials Listed Above

Profile #: EC5625

K Handling Codes for Wastes Listed Above
a. 03
b
c
d

15 Special Handling Instructions and Additional Information

24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Kevin Arist FOR VAFB — Signature: [signature] for VAFB — Month 09 Day 01 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JERRY BRYANT — Signature: [signature] — Month 09 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: ARISTEO ZARATE — Signature: [signature] — Month 9 Day 01 Year 04

GENERATOR

TRANSPORTER

FACILITY

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 — Manifest Document No 04232
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
VANDENBERG AFB
P.O. BOX 5512 BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number 23761569
B. State Generator's ID
C. State Transporter's ID [Reserved]
D. Transporter's Phone 559 935 1163
E. State Transporter's ID [Reserved]
F. Transporter's Phone
G. State Facility's ID 0 0 6 4 6 1 1 7
H. Facility's Phone 800-222-2964

5. Transporter 1 Company Name: HL-COPC CARTAGE — 6. US EPA ID Number: CAL000027491 17
7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
NON RCRA HAZARDOUS, NON-TOSCA, Waste Solid (PCB<50 PPM)	001	DT	46480	P	State 611 / EPA/Other N/A
b					State / EPA/Other
c					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
Demo Soil 11510

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: For VAFB — Signature: For VAFB — Month 09 Day 01 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HL-COPC — Signature — Month 09 Day 01 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: ALFRED ZARATE — Signature — Month 9 Day 01 Year 04

GENERATOR — TRANSPORTER — FACILITY

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. CA9570025149 Manifest Document No 04239

2 Page 1 of 1

Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
P.O. Box 5512

4 Generator's Phone ( ) 805-734-0726

A State Manifest Document Number 23761567

B State Generator's ID

5 Transporter 1 Company Name BRYANT TRANSPORTATION

6 US EPA ID Number CAL000275117

C State Transporter's ID [Reserved]

D Transporter's Phone 559 935 8434

7 Transporter 2 Company Name

8 US EPA ID Number

E State Transporter's ID [Reserved]

F Transporter's Phone

9 Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10 US EPA ID Number CAT000646117

G State Facility's ID CAT000646117

H Facility's Phone 800-222-2964

11 US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, Waste Solid (PCB<50 PPM)	001	DT	45780 ~~00018~~	P ~~T~~	State 611 EPA/Other N/A
b					State EPA/Other
c					State EPA/Other
d					State EPA/Other

J Additional Descriptions for Materials Listed Above
Profile #: EC5625

K Handling Codes for Wastes Listed Above
a 03 b
c d

15 Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Ken Ano for VAFB | Signature: for VAFB | Month 09 Day 02 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: TERRY BRYANT | Signature | Month 09 Day 02 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar | Signature | Month 09 Day 02 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04238
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: VANDENBERG AFB
P.O. BOX 5512 BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761568
B. State Generator's ID:

5. Transporter 1 Company Name: H.L. COPE CARTAGE
6. US EPA ID Number: CAL000274917
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 559 935-1163

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, Waste Solid (PCB<50 PPM)	001	DT	45500 ~~0001~~	P ~~Y~~	State 611; EPA/Other N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: Profile # ECS625

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name	Signature	Month	Day	Year
Dan Aird for VAFB	for VAFB	09	02	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
H.L. Cope		09	02	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rose Salazar		09	02	04

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GENERATOR

TRANSPORTER

FACILITY

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04237
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: VANDENBERG AFB
P.O. Box 5512
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761570
B. State Generator's ID:

5. Transporter 1 Company Name: RATZ TRANS
6. US EPA ID Number: CAR000095321
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 805 383 3637

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]
F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name Hazard Class and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, Waste Solid (PCB<50 PPM)	001	DT	44420 ~~00018~~	P ~~Y~~	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile # EC5625

K. Handling Codes for Wastes Listed Above
a. D3
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Ken M. Al for VAFB
Signature: for VAFB
Month Day Year: 09 02 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Paul LeFevre
Signature:
Month Day Year: 09 02 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature:
Month Day Year: 09 02 04

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GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 — Manifest Document No 04240
2. Page 1 of 1

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3. Generator's Name and Mailing Address
VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number 23761571
B. State Generator's ID

5. Transporter 1 Company Name: Stan Lester Trucking
6. US EPA ID Number: CAN000155291
C. State Transporter's ID [Reserved]
D. Transporter's Phone: (661) 343-5958

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID [Reserved]
F. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, Waste Solid (PCB<50 PPM)	001	DT	47120 ~~00018~~	P ~~Y~~	State 611 EPA/Other NA
b					State EPA/Other
c					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile # EC5625
CA #418549R

K. Handling Codes for Wastes Listed Above
a. D3 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Ken Ford for VAFB — Signature: for VAFB — Month 09 Day 02 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Stan Lester — Signature: Stan Lester — Month 09 Day 02 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Joe Salazar — Signature — Month 09 Day 02 Year 04

GENERATOR — TRANSPORTER — FACILITY

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Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No.: 04242
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: VANDENBERG AFB
P.O. Box 5512
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761572
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 805 383 3637
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

5. Transporter 1 Company Name: RATZ TRANS
6. US EPA ID Number: CAR000055327
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, Waste Solid (PCB<50 PPM)	001	DT	49160 ~~00018~~	P ~~Y~~	State: 611 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name	Signature	Month	Day	Year
Ken A. for VAFB	[signature] for VAFB	09	02	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Paul Leferie	[signature]	09	02	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Steven Holshouser	[signature]	09	02	04

GENERATOR

TRANSPORTER

FACILITY

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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA957002.5149
Manifest Document No.: 04243
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761573
B. State Generator's ID:

5. Transporter 1 Company Name: Stan Lester Trucking
6. US EPA ID Number: CAN000155291
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661 393-5958

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, waste solid (PCB<50 PPM)	001	DT	47120 ~~00018~~	P ~~Y~~	State 611 EPA/Other MA
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
CA 4185492

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Kevin M. Ard for VAFB	[signature] for VAFB	09	02	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Stan Lester	[signature]	09	02	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Steven Howhouser	[signature]	09	02	04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-

23761573

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EPA 8700-22

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UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 Manifest Document No: 04244

2 Page 1 of 1

Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address: VANDENBERG AFB, BLDG 11510 - CIVIL ENGINEERING BLDG, 806 13TH ST VANDENBERG, CA, P.O. Box 5512

4 Generator's Phone ( ) 805-734-0726

A State Manifest Document Number: 23761574

B State Generator's ID:

5 Transporter 1 Company Name: H.L. Cope Cartage

6 US EPA ID Number: CAL000047491 7

C State Transporter's ID [Reserved]

D Transporter's Phone: 559 935 1163

7 Transporter 2 Company Name:

8 US EPA ID Number:

E State Transporter's ID [Reserved]

F Transporter's Phone:

9 Designated Facility Name and Site Address: Chemical Waste Management, 35251 Old Skyline Road, Kettleman City, CA 93239

10 US EPA ID Number: CAT000646117

G State Facility's ID: CAT000646117

H Facility's Phone: 800-222-2964

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers No.	12 Containers Type	13 Total Quantity	14 Unit Wt/Vol	I Waste Number
a NON RCRA HAZARDOUS, NON-TOSCA, waste solid (PCB<50 PPM)	001	DT	46660	P	State; EPA/Other NA
b					State; EPA/Other
c					State; EPA/Other
d					State; EPA/Other

J Additional Descriptions for Materials Listed Above: Profile #: EC5625

K Handling Codes for Wastes Listed Above: a 03; b; c; d

15 Special Handling Instructions and Additional Information: 24 Hour emergency Contact CHEMTREK EMERGENCY RESPONSE 800-424-9300

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Kevin Ard for VAFB — Signature: for VAFB — Month 09 Day 02 Year 04

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: H.L. Cope — Signature: — Month 09 Day 02 Year 04

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year

19 Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Ramona Ramos — Signature: — Month 09 Day 02 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No.: 04255
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: P.O. Box 5512
VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761575
B. State Generator's ID:
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 557 935 8434
E. State Transporter's ID [Reserved]
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

5. Transporter 1 Company Name: BRYANT TRANSPORTATION
6. US EPA ID Number: CAL000275117
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, waste solid (PCB<50 PPM)	001	DT	49060 ~~00018~~	P ~~Y~~	State: 611 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above: Profile #: EC5625

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information: 24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Ken Arel for VAFB
Signature: [signature] for VAFB
Month 09 Day 02 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JERRY BRYANT
Signature: [signature]
Month 09 Day 02 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos
Signature: [signature]
Month 09 Day 02 Year 04

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 Manifest Document No. 04246
2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
VANDENBERG AFB
P.O. Box 5512 BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number 23761576

B. State Generator's ID

5. Transporter 1 Company Name: RATZ TRANS
6. US EPA ID Number: CAR000055327

C. State Transporter's ID [Reserved]

D. Transporter's Phone: 805 383 3637

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID [Reserved]

F. Transporter's Phone

9. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID 000646117

H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, waste solid (PCB<50 PPM)	001	DT	46600 ~~00018~~	P ~~Y~~	State 611 EPA/Other MA
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: John Ao for VAFB | Signature: for VAFB | Month 09 Day 03 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Paul LeFevre | Signature | Month 09 Day 03 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar | Signature | Month 09 Day 03 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 — Manifest Document No: 04248

2 Page 1 of 1

Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address: VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA

4 Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761577

B. State Generator's ID:

5 Transporter 1 Company Name: Stan Lester trucking

6 US EPA ID Number: CAR000155291

C. State Transporter's ID [Reserved]:

D. Transporter's Phone: 661)343-5958

7 Transporter 2 Company Name:

8 US EPA ID Number:

E. State Transporter's ID [Reserved]:

F. Transporter's Phone:

9 Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10 US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: 800-222-2964

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON - TOSCA, waste solid (PCB<50 PPM)	001	DT	47560 ~~00018~~ KA	P ~~Y~~	State 611 / EPA/Other N/A
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

Profile #: EC5625

CA 418549R

K. Handling Codes for Wastes Listed Above

a. ~~7/05~~ 03 b.

c. d.

15. Special Handling Instructions and Additional Information

24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Ken Ant for VAFB — Signature: [signature] for VAFB — Month 09 Day 03 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Stan Lester — Signature: Stan Lester — Month 09 Day 03 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Rose Salazar — Signature: [signature] — Month 09 Day 03 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

23761577

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EPA 8700—22

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State of California Cal/EPA Integrated Waste Agency
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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149
Manifest Document No 04247
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
VANDENBERG AFB
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
P.O. Box 5512
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number 23761578
B. State Generator's ID

5. Transporter 1 Company Name: H.L. COPC CARTAGE
6. US EPA ID Number: CAL000027491 7
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 559 935 1163

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID [Reserved]
F. Transporter's Phone

9. Designated Facility Name and Site Address
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: 000646117
H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, Waste Solid (PCB<50 PPM)	001	DT	46060	P	State 511 / EPA/Other N/A
b.			NA	NA	State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625

K. Handling Codes for Wastes Listed Above
a. D3
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Kevin M. Ard for VAFB
Signature: for VAFB
Month Day Year: 09 03 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: H.L. COPC
Signature
Month Day Year: 09 03 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature
Month Day Year: 09 03 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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EPA 8700-22

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State of California—Environmental Protection Agency
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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA9570025149 — Manifest Document No.: 04249 ~~61596~~ (M)
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: VANDENBERG AFB
P.O. Box 5512
BLDG 11510 - CIVIL ENGINEERING BLDG
806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) ~~805-734-0726~~

A. State Manifest Document Number: 23761596
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 800-397-2336
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

5. Transporter 1 Company Name: Cummings Trans.
6. US EPA ID Number: CAD981435621
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address:
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, waste solid (PCB<50 PPM)	001	DT	41700 ~~00010~~	P ~~Y~~ KA	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: Profile #: EC5625

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name	Signature	Month Day Year
Ken Ar for VAFB	[signature] for VAFB	09 03 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
David Baggarly	David Baggarly	09 03 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
Rose Salazar	[signature]	09 03 04

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

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DTSC 8022A (1/99)
EPA 8700—22

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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04254
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: VANDENBERG AFB
P.O. Box 5512 BLDG 11439 · CIVIL ENGINEERING BLDG
VANDENBERG, CA

4. Generator's Phone ( ) ~~310-[illegible]-1188~~ 805-734-0726

A. State Manifest Document Number: 23761510

B. State Generator's ID:

5. Transporter 1 Company Name: BRYANT TRANSPORTATION
6. US EPA ID Number: CAL000275117

C. State Transporter's ID [Reserved]:

D. Transporter's Phone: 559 935 8434

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID [Reserved]:

F. Transporter's Phone:

9. Designated Facility Name and Site Address:
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS NON-TOSCA, waste solid (<50 PPM PCB)	001	DT	47600	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile # EC5625
DRMO Bldg 11510

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: [signature] for VAFB
Signature: [signature] for VAFB
Month Day Year: 09 07 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JERRY BRYANT
Signature: [signature]
Month Day Year: 09 07 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [signature]
Signature:
Month Day Year: 09 07 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P O Box 3000 Sacramento CA 95812

Please print or type. Form designed for use on elite (12-pitch) typewriter

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No.: 04256
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: VANDENBERG AFB
P.O. BOX 5512
BLDG 11439 - CIVIL ENGINEERING BLDG
VANDENBERG, CA

4. Generator's Phone ( ) ~~310-522-1188~~ 805-734-0726

A. State Manifest Document Number: 23761511

B. State Generator's ID:

5. Transporter 1 Company Name: HL Cope Cartage
6. US EPA ID Number: CAL000274917

C. State Transporter's ID [Reserved]:

D. Transporter's Phone: 559 935 1163

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID [Reserved]:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
NON RCRA HAZARDOUS, NON-TOSCA, waste solid (<50ppm PCB)	001	DT	48280 ~~00018~~	P ~~Y~~	State 611 / EPA/Other N/A
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
Demo Bldg 11510

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Ken Ant for VAFB
Signature: [signature] for VAFB
Month Day Year: 09 07 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HL Cope
Signature: [signature]
Month Day Year: 09 07 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month Day Year: 09 07 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-85

DTSC 8022A (1/99)
EPA 8700—22

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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149 — Manifest Document No: 04257
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: P.O. Box 5512 VANDENBERG AFB BLDG 11439 - CIVIL ENGINEERING BLDG VANDENBERG, CA
4. Generator's Phone ( ) ~~[illegible]~~ 805-734-0726

A. State Manifest Document Number: 23761512
B. State Generator's ID:
C. State Transporter's ID [Reserved.]
D. Transporter's Phone: 661-393-5958
E. State Transporter's ID [Reserved.]
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

5. Transporter 1 Company Name: Stan Lester trucking
6. US EPA ID Number: CAR000155291
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address: Chemical Waste Management, 35251 Old Skyline Road, Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, waste solid (<50 ppm PCB)	001	DT	45880	P	State / EPA/Other 511 N/A
b. CA #418549R					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: Profile #: EC5625 PRMO Bldg 11510

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information: 24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month	Day	Year
Ken Arnold for VAFB	[signature] for VAFB	09	07	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Stan Lester	[signature]	09	07	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rose Salazar	[signature]	09	07	04

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No.: 04258
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: VANDENBERG AFB
P.O. Box 5512 BLDG 11439 - CIVIL ENGINEERING BLDG
VANDENBERG, CA

4. Generator's Phone ( ) ~~310-522-1188~~ 805-734-0726

A. State Manifest Document Number: 23761513

B. State Generator's ID:

5. Transporter 1 Company Name: GP Transportation
6. US EPA ID Number: CAR000130211

C. State Transporter's ID [Reserved]

D. Transporter's Phone: 661-203-8387

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID [Reserved]

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemtrek Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, waste solid (<50 PPM PCB)	001	DT	44540 ~~00018~~	P ~~Y~~	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
DEMO Soil - 11510

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name	Signature	Month	Day	Year
[signature] for VAFB	[signature] for VAFB	09	07	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
George Paquette	[signature]	09	07	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rose Salazar	[signature]	09	07	04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852

23761513

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EPA 8700—22

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UP 35467

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 — Manifest Document No: 04294

2 Page 1 of 1

Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address: VANDENBERG AFB DRMO Bldg 11510
P.O. BOX 5512
~~[illegible]~~
806 13TH ST VANDENBERG, CA
805-734-0726

4 Generator's Phone ( )

A State Manifest Document Number: 23761590

B State Generator's ID:

5 Transporter 1 Company Name: Terry D. Lackey Trucking

6 US EPA ID Number: CA4400048 1321

C State Transporter's ID [Reserved]:

D Transporter's Phone: 661-304-3729

7 Transporter 2 Company Name:

8 US EPA ID Number:

E State Transporter's ID [Reserved]:

F Transporter's Phone:

9 Designated Facility Name and Site Address:
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10 US EPA ID Number: CAT000646117

G State Facility's ID: CAT000646117

H Facility's Phone: 800-222-2964

11 US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-IOSCA, Waste Solid (PCB<50 PPM)	001	DT	47540	P	State / EPA/Other 611 N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J Additional Descriptions for Materials Listed Above:
Profile #: EC5625
Drmo Soil

K Handling Codes for Wastes Listed Above:
a. 03
b.
c.
d.

15 Special Handling Instructions and Additional Information:
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name	Signature	Month Day Year
Kevin M. Arid for TAFB	[signature] for TAFB	09 16 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Terry D. Lackey	Terry D. Lackey	09 16 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
Steve Houshouser	[signature]	09 16 0

GENERATOR

TRANSPORTER

FACILITY

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63161596

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149
Manifest Document No 04292
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address VANDENBERG AFB DRMO Bldg 11510
P.O Box 5512 ~~[illegible]~~
806 13TH ST VANDENBERG, CA
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number 23761593
B. State Generator's ID
C. State Transporter's ID [Reserved]
D. Transporter's Phone 714 425 2197
E. State Transporter's ID [Reserved]
F. Transporter's Phone
G. State Facility's ID CAT000546117
H. Facility's Phone 800-222-2964

5. Transporter 1 Company Name Lobo Trucking
6. US EPA ID Number CAL000272123
7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number CAT000546117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, Waste Solid (PCB<50 PPM)	001	DT	48420	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d. "9B04835"					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile # EC5625
Demo soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Keith M. Arick FOR VAFB
Signature: [signature] FOR VAFB
Month 09 Day 16 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Lobo JAN J. BARON
Signature: [signature]
Month 09 Day 16 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos
Signature: [signature]
Month 09 Day 16 Year 04

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To: P.O. Box 3000, Sacramento, CA 95812

DTSC 8022A (1/99)
EPA 8700—22

GENERATOR

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State of California—Environme[illegible]tection Agency
Form Approved OMB No. 20[illegible]039 (Expires 9-30-99)
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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA957002514 9
Manifest Document No: 04291
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: P.O. Box 5512 VANDENBERG AFB DRMO Bldg 11510 ~~[illegible]~~ 806 13TH ST VANDENBERG, CA ~~805-734-0726~~
4. Generator's Phone ( )
A. State Manifest Document Number: 23761595
B. State Generator's ID:
5. Transporter 1 Company Name: RTS
6. US EPA ID Number: CAR000127910
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-343-7059
7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
9. Designated Facility Name and Site Address: Chemical Waste Management, 35251 Old Skyline Road, Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA Waste Solid (PCB<50 PPM)	001	DT	44320	P	State 611; EPA/Other N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: TPO 3195
Profile #: EC5625

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: William Kevin M. Ar[illegible] for JAFB
Signature: [signature] for JAFB
Month Day Year: 09 16 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William Jewell
Signature: [signature]
Month Day Year: 09 16 09

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos
Signature: [signature]
Month Day Year: 09 16 09

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

23761595

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04290
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

A. State Manifest Document Number: 24032737

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ P.O. Box 5512, Oldy Drmo
VANDENBERG CA 93437
~~310-522-1168~~ 505-734-0726

B. State Generator's ID

4. Generator's Phone

5. Transporter 1 Company Name: RTS
6. US EPA ID Number: CAT000127910

C. State Transporter's ID [Reserved]

D. Transporter's Phone: 601 746 1132

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID [Reserved]

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: (209)386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	41980	P	State / EPA/Other 611 / N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
Drmo Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Kevin M. Aul for VAFB
Signature: [signature] for VAFB
Month 09 Day 16 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [signature]
Signature: [signature]
Month 09 Day 16 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos
Signature: RB
Month 09 Day 16 Year 04

GENERATOR

TRANSPORTER

FACILITY

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UN19221

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 042919
2 Page 1 of 1
Information in the shaded areas is not required by Federal law

A State Manifest Document Number: 24032738

3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 1139-C~~ BLDG Bldg 11510 P.O. BOX 5512
VANDENBERG CA 93437

4 Generator's Phone: ( ) ~~310 522-1168~~

B State Generator's ID

C State Transporter's ID [Reserved]

D Transporter's Phone: 661-203-8587

5 Transporter 1 Company Name: GP Transportation
6 US EPA ID Number: CAR000113021

E State Transporter's ID [Reserved]

7 Transporter 2 Company Name
8 US EPA ID Number

F Transporter's Phone

G State Facility's ID: CAT000646117

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
CAT000646117
10 US EPA ID Number

H Facility's Phone: (209)386-9711

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers No.	12 Containers Type	13 Total Quantity	14 Unit Wt/Vol	I Waste Number
a NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	47620 ~~40,000~~	P ~~CY~~	State: EPA/Other 611 N/A
b					State: EPA/Other
c					State: EPA/Other
d					State: EPA/Other

J Additional Descriptions for Materials Listed Above
a EC5625
Demo Soil

K Handling Codes for Wastes Listed Above
a 03
b
c
d

15 Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

16 **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

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Printed/Typed Name: Ken M. Ait for VAFB
Signature: for VAFB
Month 09 Day 16 Year 04

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: George Payne
Signature
Month 09 Day 16 Year 04

18 Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19 Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Steve Holstrom
Signature
Month 09 Day 16 Year 04

GENERATOR

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9B80707 Mashburn Dave

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

CWMI

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149

Manifest Document No 04300

2. Page 1 of 1

Information in the shaded areas is not required by Federal law

A. State Manifest Document Number 24032739

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
VANDENBERG CA 93437
805 734-0726
310 522-1168

4. Generator's Phone

B. State Generator's ID

5. Transporter 1 Company Name
Mashburn Transportation

6. US EPA ID Number CAR000043331

C. State Transporter's ID [Reserved]

D. Transporter's Phone 661-763-3724

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID [Reserved]

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10. US EPA ID Number CAT000646117

G. State Facility's ID CAT000646117

H. Facility's Phone (209)386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	43320	P	State EPA/Other 611 N/A
b					State EPA/Other
c					State EPA/Other
d					State EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Kevin M. Arel for VAFB
Signature: [signature] for VAFB
Month 09 Day 16 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Dave Childress
Signature: Dave Childress
Month 09 Day 16 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 16 Year 04

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GENERATOR

TRANSPORTER

FACILITY

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 — Manifest Document No: 04301 — 2 Page 1 of 1 — Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG~~ Bldg 11510 P.O. Box 5512
VANDENBERG CA 93437
~~310-522-1168~~

4. Generator's Phone: (505) 734-0726

A State Manifest Document Number: 2403274

B State Generator's ID:

5 Transporter 1 Company Name: MASHBURN — 6 US EPA ID Number: CAR000093331

C State Transporter's ID [Reserved]:

D Transporter's Phone: 661-763-5724

7 Transporter 2 Company Name: — 8 US EPA ID Number:

E State Transporter's ID [Reserved]:

F Transporter's Phone:

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: (209)386-9711

11. US DOT Description (including Proper Shipping Name Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	46380	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16 **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Kevin M. Ar[illegible] for VAFB — Signature: [signature] for VAFB — Month 09 Day 16 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ronny Wise — Signature: [signature] — Month 09 Day 16 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos — Signature: [signature] — Month 09 Day 16 Year 04

GENERATOR — TRANSPORTER — FACILITY

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Department of Toxic Substances Control
Sacramento, California

CWMI

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04306
2. Page 1 of 1
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3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510, P.O. BOX 5512
VANDENBERG (805) 734-0726 CA 93437
~~310-522-1168~~

A. State Manifest Document Number: 24032759
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 559 ~~(209)~~386-9711

4. Generator's Phone:
5. Transporter 1 Company Name: M.T.S. INC. #64
6. US EPA ID Number: CA2000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	45420	P	State: 611; EPA/Other: N/A
b.					State: ; EPA/Other:
c.					State: ; EPA/Other:
d.					State: ; EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract
DRMO SOIL

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month	Day	Year
[signature] for VAFB	[signature] for VAFB	09	16	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Paul Whealy	[signature]	09	16	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rose Salazar	[signature]	09	16	04

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GENERATOR

TRANSPORTER

FACILITY

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24032759

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Sacramento, California

CWMI

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 04305
2 Page 1 of 1
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3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439-CIVIL ENG BLDG~~ P.O. Box 5512, Bldg 11510
VANDENBERG CA 93437
~~310-522-1168~~

A State Manifest Document Number: 24032760
B State Generator's ID:
C State Transporter's ID [Reserved]
D Transporter's Phone: (661) 763-5724
E State Transporter's ID [Reserved]
F Transporter's Phone:
G State Facility's ID: CAT000646117
H Facility's Phone: (559) 386-9711

4 Generator's Phone:
5 Transporter 1 Company Name: MTS
6 US EPA ID Number: CAR000043331
7 Transporter 2 Company Name:
8 US EPA ID Number:
9 Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	46220	P	State 611 EPA/Other N/A
b					State EPA/Other
c					State EPA/Other
d					State EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
Demo Soil

K Handling Codes for Wastes Listed Above
a. OS
b
c
d

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Kevin M. Arnt for VAFB
Signature: [signature] for VAFB
Month Day Year: 09 16 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Charles Willingham
Signature: [signature]
Month Day Year: 09 16 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month Day Year: 09 16 04

GENERATOR
TRANSPORTER
FACILITY

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Department of Toxic Substances Control
Sacramento, California

CUMI

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 — Manifest Document No. 04304
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439-CIVIL ENG BLDG~~ P.O. BOX 5512, Bldg 11510
VANDENBERG (805) 734-0726 CA 93437
~~310-522-1168~~

4. Generator's Phone

A. State Manifest Document Number: 24032761
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661 763 5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 559 ~~(209)~~ 386-9711

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000003331
7. Transporter 2 Company Name: ~~KERN CT TALI~~
8. US EPA ID Number:
9. Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	46740	P	State: 611 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Ben M. Arid for VAFB — Signature: [signature] for VAFB — Month Day Year: 09 16 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bobby Ray Willingham — Signature: Bobby Ray Willingham — Month Day Year: 09 16 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar — Signature: [signature] — Month Day Year: 09 16 04

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GENERATOR — TRANSPORTER — FACILITY

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24032761

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 Manifest Document No: 041363

2 Page 1 of 1

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3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11430 CIVIL ENG BLDG~~ Bldg 11510 P.O. Box 5512
4 ~~VANDENBERG~~ 805 734-0726 CA 93437
~~310 522-1168~~

A State Manifest Document Number: 2403278

B State Generator's ID

5 Transporter 1 Company Name: RTS

6 US EPA ID Number: CAR000127910

C State Transporter's ID [Reserved]

D Transporter's Phone: 661-343-7059

7 Transporter 2 Company Name

8 US EPA ID Number

E State Transporter's ID [Reserved]

F Transporter's Phone

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10 US EPA ID Number: CAT000646117

G State Facility ID: CAT000646117

H Facility's Phone: (209)386-9711

11 US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12 Containers No.	Type	13 Total Quantity	14 Unit Wt/Vol	I Waste Number
a NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	0011	DT	48500	P	State / EPA/Other ~~611~~ N/A
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J Additional Descriptions for Materials Listed Above
a. EC5625
DEMO soil
TP03155

K Handling Codes for Wastes Listed Above
a. 03
b
c
d

15 Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name	Signature	Month	Day	Year
Ken M. Ard for VAFB	for VAFB	09	16	04

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
William Jewell	W Jewell	09	16	04

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19 Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Jose Salazar		09	16	04

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24U32162

DTSC 8022A (1/99)
EPA 8700—22

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State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04297
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ DRMO Bldg 11510 P.O. Box 5512
VANDENBERG CA 93437
~~310-522-1168~~ 805 734-0726

A. State Manifest Document Number: 24032765
B. State Generator's ID:

4. Generator's Phone:

5. Transporter 1 Company Name: M.T.S. INC. #64
6. US EPA ID Number: CAR000043331
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-763-5724

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	44480	P	State: EPA/Other: 611 NA
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Kevin M. Ard for VAFB
Signature: [signature] for VAFB
Month Day Year: 09 16 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Paul Wheaty
Signature: Paul Wheaty
Month Day Year: 09 16 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Steven Holshouser
Signature: [signature]
Month Day Year: 09 16 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-755

24032765

90600410

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Department of Toxic Substances Control
Sacramento, California

CWMI

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04296
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
VANDENBERG CA 93437
~~310 522-1168~~

A. State Manifest Document Number: 24032775
B. State Generator's ID:
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 661 763-5724
E. State Transporter's ID [Reserved]
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

4. Generator's Phone: (805) 734-0726

5. Transporter 1 Company Name: M.T.S
6. US EPA ID Number: CAA000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	43340	P	State / EPA/Other 611 N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
Drmo soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Kevin M. Arnt on VAFB
Signature: [signature] on VAFB
Month 09 Day 16 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Charles Willingham
Signature: [signature]
Month 09 Day 16 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Steven Houghouse
Signature: [signature]
Month 09 Day 16 Year 04

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24032775

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Department of Toxic Substances Control
Sacramento, California

CWMI

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. CA95700251490 — Manifest Document No. 05295 — 2 Page 1 of 1 — Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11430 CIVIL ENG BLDG~~ Bldg 11510, P.O. BOX 5512
~~VANDENBERG~~ (805) 7340726 CA 93437
~~310 522-1168~~

A. State Manifest Document Number: 24032776
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661 763 5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

5. Transporter 1 Company Name: MTS #1
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	40660	P	State: 611 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625
Demo Soil

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Kevin M. Ard for VAFB — Signature: [signature] for VAFB — Month 09 Day 16 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bobby Ray Willingham — Signature: [signature] — Month 09 Day 16 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Steven Howhouser — Signature: [signature] — Month 09 Day 16 Year 04

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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Sacramento, California

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No.: 04293
2. Page 1 of 1
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3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O BOX 5512
VANDENBERG CA 93437
~~510-522-1168~~ 805-734-0726

4. Generator's Phone ( )

A. State Manifest Document Number: 24032777
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661 763 5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	38460	P	State / EPA/Other 611 N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
Demo Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Kevin M. Aick for VAFB
Signature: [signature] for VAFB
Month Day Year: 09 16 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: SCOTT BALLARD
Signature: Scott Ballard
Month Day Year: 09 16 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Steven Houghton
Signature: [signature]
Month Day Year: 09 16 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

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Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 04307
2 Page 1 of 1
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3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~[illegible]~~ Bldg 11510 P.O. Box 5512
VANDENBERG (805) 734-0726 CA 93437
~~310 522-1168~~

A. State Manifest Document Number: 24032741
B. State Generator's ID:

5 Transporter 1 Company Name: MTS
6 US EPA ID Number: CAR000043331
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 661 763 5724

7 Transporter 2 Company Name:
8 US EPA ID Number:
E. State Transporter's ID [Reserved]
F. Transporter's Phone:

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: (559) 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	46000	P	State 611 / EPA/Other MA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: [signature] for VAFB
Signature: [signature] for VAFB
Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: SCOTT BALLARD
Signature: Scott Ballard
Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos
Signature: [signature]
Month 09 Day 17 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL ... NSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

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EPA 8700—22

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4 X 1783 See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

CWMI

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 04308
2 Page 1 of 1
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3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. Box 5512
VANDENBERG CA 93437
~~310-522-1168~~ (805) 737-0724

4 Generator's Phone

A. State Manifest Document Number: 24032742
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

5. Transporter 1 Company Name: Mashburn
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	46220	P	State: 611 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625
Dramo Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Kem M. [illegible] for VAFB
Signature: [illegible] for VAFB
Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gene Lueth
Signature: [illegible]
Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos
Signature: RB
Month 09 Day 17 Year 04

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24032742

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

CWMI

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 — Manifest Document No. 04309 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11430 CIVIL ENG BLDG~~ Bldg 11510 P.O BOX 5512
VANDENBERG CA 93437
~~310-522-1168~~ (805) 734-0720

4. Generator's Phone

A. State Manifest Document Number: 24032743
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209) 386-9711 559

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAC000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	47660	P	State: 611 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Dean M. Ao for VAFB — Signature: [signature] for VAFB — Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bubby Ray Willingham — Signature: Bubby Ray Willingham — Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos — Signature: RB — Month 09 Day 17 Year 04

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

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Department of Toxic Substances Control
Sacramento, California

CWM

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No.: 04312
2 Page 1 of 1
Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
VANDENBERG CA 93437
~~310-522-1168~~ 805 731-0726

4 Generator's Phone

A. State Manifest Document Number: 24032744
B. State Generator's ID:
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

5 Transporter 1 Company Name: M T. S
6 US EPA ID Number: CAT000043331
7 Transporter 2 Company Name:
8 US EPA ID Number:

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	47120	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Kevin M. Ard for VAFB	[signature] for VAFB	09	17	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
charles willighan	[signature]	09	17	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Ramona Ramos	RR	09	17	04

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-75

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Department of Toxic Substances Control
Sacramento, California

CWMI

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04313
2. Page 1 of
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439-CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
VANDENBERG CA 93437
~~310-522-1168~~

4. Generator's Phone: (805) 734-0726

A. State Manifest Document Number: 24032757
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (559) 386-9711

5. Transporter 1 Company Name: M.T.S. INC. #6964
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	47420	P	State: 611 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Kevin M. Ard LSW VAFB
Signature: [signature] LSW VAFB
Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Paul Whealy
Signature: [signature]
Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos
Signature: [signature]
Month 09 Day 17 Year 04

GENERATOR
TRANSPORTER
FACILITY

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Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 — Manifest Document No: 04311

2 Page 1 of 1

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3 Generator's Name and Mailing Address
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~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
VANDENBERG CA 93437
~~310 522 1168~~ (805) 734-0726

4 Generator's Phone

A. State Manifest Document Number: 24032758

B. State Generator's ID

5 Transporter 1 Company Name: MTS Inc

6. US EPA ID Number: CAR000043331

C. State Transporter's ID [Reserved]

D. Transporter's Phone: 661-763-5724

7 Transporter 2 Company Name

8 US EPA ID Number

E. State Transporter's ID [Reserved]

F. Transporter's Phone

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: (209)386-9711

11 US DOT Description (including Proper Shipping Name Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	43460	P	State 611 EPA/Other ~~NA~~
b					State EPA/Other
c					State EPA/Other
d					State EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15 Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

16 **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Ken M. [signature] Ken VAFB — Signature: [signature] Ken VAFB — Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GARY W ELLIS — Signature: Gary W Ellis — Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos — Signature: RR — Month 09 Day 17 Year 04

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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MASHBURN Wed DAVE

See Instructions on back of page 6.

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UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. CA957002514 9

Manifest Document No 043 14

2 Page 1 of

Information in the shaded areas is not required by Federal law

A. State Manifest Document Number 24032764

B. State Generator's ID

C. State Transporter's ID [Reserved]

D. Transporter's Phone 661-763-5724

E. State Transporter's ID [Reserved]

F. Transporter's Phone

G. State Facility's ID CAT000646117

H. Facility's Phone (209)386-9711

3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
4 VANDENBERG (805)7340726 CA 93437
~~310-522-1168~~

5 Transporter 1 Company Name: Mashburn Transportation

6. US EPA ID Number: CAR000043231

7 Transporter 2 Company Name

8. US EPA ID Number

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10 US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	44920	P	State 611 EPA/Other N/A
b					State EPA/Other
c					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K Handling Codes for Wastes Listed Above
a. 03
b.
c
d.

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month Day Year
Ken Aick for VAFB	[signature] for VAFB	09 17 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Dave Childress	[signature]	09 17 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
Steven Houshouser	[signature]	09 17 04

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GENERATOR

TRANSPORTER

FACILITY

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Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 — Manifest Document No: 04310

2 Page 1 of 1

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A State Manifest Document Number: 24032766

3 Generator's Name and Mailing Address: DRMO-VANDENBERG AFB ~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512 VANDENBERG 805 734-0726 CA 93437 ~~310 522-1166~~

4 Generator's Phone

B State Generator's ID

5 Transporter 1 Company Name: MASHBURN

6 US EPA ID Number: CAR000043331

C State Transporter's ID [Reserved]

D Transporter's Phone: 661-763-5724

7 Transporter 2 Company Name

8 US EPA ID Number

E State Transporter's ID [Reserved]

F Transporter's Phone

9 Designated Facility Name and Site Address: CHEMICAL WASTE MANAGEMENT, INC. 35251 OLD SKYLINE ROAD KETTLEMAN CITY CA 93239

10 US EPA ID Number: CAT000646117

G State Facility's ID: CAT000646117

H Facility's Phone: 559 ~~(209)~~ 386-9711

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASIE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	43980	P	State 611 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J Additional Descriptions for Materials Listed Above: a. EC5625 DRMO SOIL

K Handling Codes for Wastes Listed Above: a 03 b c d

15 Special Handling Instructions and Additional Information: CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Kevin M. Arritt for JAFB — Signature: [signature] for JAFB — Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ronny Wise — Signature: [signature] — Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Ramona Ramos — Signature: [signature] — Month 09 Day 17 Year 04

GENERATOR — TRANSPORTER — FACILITY

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04320
2. Page 1 of
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3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
4. ~~VANDENBERG~~ (805) 7340226 CA 93437
~~310 522-1168~~

A. State Manifest Document Number: 24032767
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 559 ~~(209)~~ 386-9711

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	43580	P	State / EPA/Other 611 N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Bevin Arnold for VAFB
Signature: [signature] for VAFB
Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Charles Willingham
Signature: [signature]
Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 17 Year 04

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GENERATOR

TRANSPORT

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...GENCY OR SPILL, CALL THE NATIONAL

24032767

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UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 04321
2 Page 1 of 1
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3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
4 Generator's Phone: (805) 734-0726 CA 93437
~~310 522-1168~~

A State Manifest Document Number: 24032768
B State Generator's ID:
C State Transporter's ID [Reserved]
D Transporter's Phone: 661-763-5724
E State Transporter's ID [Reserved]
F Transporter's Phone:
G State Facility's ID: CAT000646117
H Facility's Phone: 559 ~~(209)~~ 386-9711

5 Transporter 1 Company Name: MTS
6 US EPA ID Number: CAA000043331
7 Transporter 2 Company Name:
8 US EPA ID Number:
9 Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117

11 US DOT Description (including Proper Shipping Name Hazard Class and ID Number)	12. Containers No.	Type	13 Total Quantity	14 Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	46380	P	State 611 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K Handling Codes for Wastes Listed Above
a 03
b
c
d

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Kevin M. Arnold for VAFB
Signature: [signature] for VAFB
Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bobby Ray Willingham
Signature: Bobby Ray Willingham
Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 17 Year 04

GENERATOR
TRANSPORTER
FACILITY

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EPA 8700—22

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Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04323
2. Page 1 of
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3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
VANDENBERG CA 93437
4. Generator's Phone (805) 734-0726 ~~310-522-1168~~

A. State Manifest Document Number: 24032769
B. State Generator's ID:

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043337
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-763-5724

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
~~KETTLEMAN CITY CA 93239~~
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: 559 ~~(209)~~ 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Wt/Vol	i. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	45820		State / EPA/Other 611 N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Kevin M. Amel for VAFB
Signature: [signature] for VAFB
Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Dave Childress
Signature: [signature]
Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 17 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852

24032769

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EPA 8700—22

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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 04319
2 Page 1 of 1
Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
4 ~~VANDENBERG~~ ~~805 734-0716~~ CA 93437
~~310 522 1168~~

A State Manifest Document Number: 24032771
B State Generator's ID:

5 Transporter 1 Company Name: MTS
6 US EPA ID Number: CAR000043311
C State Transporter's ID [Reserved]
D Transporter's Phone: 661-763-5724

7 Transporter 2 Company Name:
8 US EPA ID Number:
E State Transporter's ID [Reserved]
F Transporter's Phone:

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117
G State Facility's ID: CAT000646117
H Facility's Phone: 559 ~~(209)~~ 386-9711

11 US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12 Containers No.	Type	13 Total Quantity	14 Unit Wt/Vol	I Waste Number
a NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	45560	P	State / EPA/Other 611 N/A
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K Handling Codes for Wastes Listed Above
a 03 b
c d

15 Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

16 **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR
Printed/Typed Name: Ken M. Arnt
Signature: [signature] for VAFB
Month 09 Day 17 Year 04

TRANSPORTER
17 Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GARY W ELLIS
Signature: Gary W Ellis
Month 09 Day 17 Year 04

18 Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY
19 Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 17 Year 04

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24032771

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 04318
2 Page 1 of
Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
4 VANDENBERG CA 93437
~~310-522-1168~~ 805 734-0726

A. State Manifest Document Number: 24032772
B. State Generator's ID:
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

5 Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043331
7 Transporter 2 Company Name:
8. US EPA ID Number:
9 Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	46060	P	State: EPA/Other: 611 MA
b					State: EPA/Other:
c					State: EPA/Other:
d					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K Handling Codes for Wastes Listed Above
a 03
b
c
d

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford

Printed/Typed Name	Signature	Month Day Year
Kevin M. Arick for VAFB	[signature] for VAFB	09 17 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Adl WHEALY	[signature]	09 17 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
Ramona Ramos	[signature]	09 17 04

GENERATOR
TRANSPORTER
FACILITY

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149
Manifest Document No. 04317
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. Box 5512
4. ~~VANDENBERG~~ ~~805 734-0726~~ CA 93437
~~310 522 1168~~

A. State Manifest Document Number: 24032773
B. State Generator's ID
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]
F. Transporter's Phone
G. State Facility's ID: CAT000646117
H. Facility's Phone: 557 ~~(209)~~ 386-9711

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000143331

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	44580	P	State / EPA/Other 611 N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

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Printed/Typed Name: Ken M. Ard for JACB
Signature: for VAB
Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ronny Wise
Signature: Ronny Wise
Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Steven Hawthorne
Signature
Month 09 Day 17 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR
TRANSPORTER
FACILITY

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91560453 **See Instructions on back of page 6.**

Department of Toxic Substances Control
Sacramento, California

CWMI

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No.: 04316
2 Page 1 of 1
Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. Box 5512
4 VANDENBERG SOST 734-0726 CA 93437
~~310-522-1168~~

A. State Manifest Document Number: 24032774
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

5 Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043331
7 Transporter 2 Company Name:
8 US EPA ID Number:

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	45760	P	State: 611 EPA/Other: NFA
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15 Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

16 **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: Kevin M. Ad for VAFB
Signature: [signature] for VAFB
Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Scott BALLARD
Signature: Scott Ballard
Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 17 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

24032774

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No.: 04324
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
VANDENBERG 805 734-0726 CA 93437
~~310 522 1162~~

4. Generator's Phone

A. State Manifest Document Number: 24032786
B. State Generator's ID
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 1-800-400-4347
E. State Transporter's ID [Reserved]
F. Transporter's Phone
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

5. Transporter 1 Company Name: Island Environmental
6. US EPA ID Number: CAR000053405
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	40380	P	State 611 EPA/Other N/A
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: [signature] for VAFB
Signature: [signature] for VAFB
Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gregory South
Signature: [signature]
Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Kristen Zarate
Signature: [signature]
Month 9 Day 17 Year 04

GENERATOR

TRANSPORTER

FACILITY

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24032786

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04322
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 24032787

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ Bldg 11510 P.O. BOX 5512
VANDENBERG ~~(805)734-0726~~ CA 93437
~~310 522-1168~~

4. Generator's Phone

B. State Generator's ID

5. Transporter 1 Company Name: ISLAND
6. US EPA ID Number: CAR000053405

C. State Transporter's ID [Reserved]
D. Transporter's Phone: (805) 400 4387

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID [Reserved]
F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

G. State Facility ID: CAT000646117
H. Facility's Phone: 559 ~~(209)~~386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASIE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	47720	P	State / EPA/Other 611 NIA
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
Demo Soil

K. Handling Codes for Wastes Listed Above
a. D3
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Ken M. Ant for VAFB
Signature: for VAFB
Month 09 Day 17 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE MALEK
Signature: Mike Malek
Month 09 Day 17 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature
Month 09 Day 17 Year 04

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GENERATOR — TRANSPORTER — FACILITY

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

CWMI

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 — Manifest Document No. 04329 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG CA 93437
~~310-522-1168~~

4. Generator's Phone (805) 734-0726

A. State Manifest Document Number: 24032754
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone:
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 559 ~~209~~ 386-9711

5. Transporter 1 Company Name: MT3
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name: KERNIST TAFT 93268
8. US EPA ID Number:
9. Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	47400	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month	Day	Year
T CHENEVERT FOR VAFB	T Chenevert FOR VAFB	09	20	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Bobby Ray Willingham	Bobby Ray Willingham	09	20	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rose Salazar	[signature]	09	20	04

DO NOT WRITE BELOW THIS LINE

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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To: P O Box 3000 Sacramento CA 95812

DTSC 8022A (1/99)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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9B80707

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA9570025149
Manifest Document No.: 04330
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG (805) 734 6726 CA 93437
~~310 522 1168~~

4. Generator's Phone

A. State Manifest Document Number: 24032755
B. State Generator's ID
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]: CALIF
F. Transporter's Phone
G. State Facility's ID: CAT000646117
H. Facility's Phone: 559 ~~(209)~~ 386-9711

5. Transporter 1 Company Name: Mashburn Transportation
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	43520	P	State; EPA/Other 611 N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: [signature] CHENEVERT FOR VAFB
Signature: [signature] FOR VAFB
Month 09 Day 20 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: David Childress
Signature: [signature]
Month 09 Day 20 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature
Month 09 Day 20 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04325
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG (805) 734-0726 CA 93437
~~310-522-1168~~

A. State Manifest Document Number: 24032770
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 559 ~~(209)~~ 386-9711

4. Generator's Phone: (805) 734-0726

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	43700	P	State: EPA/Other: 611 N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name	Signature	Month	Day	Year
J CHENEVERT FOR VAFB	[signature] FOR VAFB	09	20	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Bobby Ray Willingham	[signature]	09	20	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Ramona Ramos	[signature]	09	20	04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-

24032770

DTSC 8022A (1/99)
EPA 8700—22

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State of California—Environmental Protection Agency 98S0707 Dave
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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 043859
2 Page 1 of 1
Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address: Bldg 11510 DRMO P.O. BOX 5512 VANDENBERG AFB ~~BLDG 11439 CIVIL ENGINEERING BLDG~~ (FY) VANDENBERG, CA
4 Generator's Phone ( ) ~~[illegible]~~ (FY) 805-734-0726

A State Manifest Document Number: 23761518
B State Generator's ID
C State Transporter's ID [Reserved]
D Transporter's Phone: 661-763-5724
E State Transporter's ID [Reserved]
F Transporter's Phone
G State Facility's ID: CAT000646117
H Facility's Phone: 800-222-2964

5 Transporter 1 Company Name: MTS
6 US EPA ID Number: CAR000043331
7 Transporter 2 Company Name
8 US EPA ID Number

9 Designated Facility Name and Site Address: Chemical Waste Management, 35251 Old Skyline Road, Kettleman City, CA 93239
10 US EPA ID Number: CAT000646117

11 US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12 Containers No.	Type	13 Total Quantity	14 Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, Waste Solid	001	DT	45020 ~~00018~~ (FY)	P ~~T~~ (FY)	State; EPA/Other 611 N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: Profile # EC5625 DRMO Soil

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Kevin M. Ard for VAFB
Signature: for VAFB
Month 09 Day 23 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Dave Childress
Signature:
Month 09 Day 23 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Steven Houshouser
Signature:
Month 09 Day 23 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149
Manifest Document No 04385
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
Bldg 11510 DRMO, P.O. Box 5512
VANDENBERG AFB
~~BLDG 11439 - CIVIL ENGINEERING BLDG~~
VANDENBERG, CA

4. Generator's Phone ( ) ~~310-522-1188~~ 805-734-0726

A. State Manifest Document Number 23761519
B. State Generator's ID
C. State Transporter's ID [Reserved]
D. Transporter's Phone 800 400 4347
E. State Transporter's ID [Reserved]
F. Transporter's Phone
G. State Facility's ID 0 0 6 4 6 1 1 7
H. Facility's Phone 800-227-2964

5. Transporter 1 Company Name: ISLAND
6. US EPA ID Number: CAR000053405
7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
~~Chemical Waste Management~~
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
NON RCRA HAZARDOUS, NON-TOSCA, Waste Solid	001	DT	45980	P	State 611
					EPA/Other N/A
b					State
					EPA/Other
c					State
					EPA/Other
d					State
					EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Kevin M. A... for VAFB
Signature: ... for VAFB
Month 09 Day 23 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE MAIER
Signature: Mike Maier
Month 09 Day 23 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos
Signature: RR
Month 09 Day 23 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR
TRANSPORTER
FACILITY

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6319 0247

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04392
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: VANDENBERG AFB P.O. BOX 5512
DRMO Bldg 11510 ~~BLDG 11439 - CIVIL ENGINEERING BLDG~~
VANDENBERG, CA 93437
4. Generator's Phone ( ) ~~310-527-1168~~ 805-734-0726

A. State Manifest Document Number: 23761520
B. State Generator's ID:

5. Transporter 1 Company Name: Island Environmental
6. US EPA ID Number: CAR000053405
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 800-400-4347

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]
F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAD980844117
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, waste Solid	001	DT	45360	P	State; EPA/Other 611 N/A
b					State; EPA/Other
c					State; EPA/Other
d					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile # ~~EC5625~~ DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: Jerry M. Arick For VAFB
Signature: For VAFB
Month Day Year: 09 23 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Orlando Dura
Signature:
Month Day Year: 09 23 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Phil Acosta
Signature:
Month Day Year: 09 23 04

GENERATOR — TRANSPORTER — FACILITY

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 043913
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
bldg 11510 P.O. Box 5512
DRMO-VANDENBERG AFB
~~BLDG 11439-CIVIL ENG BLDG~~
VANDENBERG CA 93437
4. Generator's Phone ( ) 310 522-1168

A. State Manifest Document Number: 24032778
B. State Generator's ID:
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 1 800 400 4347
E. State Transporter's ID [Reserved]
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

5. Transporter 1 Company Name: ISLAND
6. US EPA ID Number: CAR000053405
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	47960	P	State / EPA/Other 611
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. D3
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Mark Duncan for V.A.F.B. | Signature: [signature] | Month 09 Day 23 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE MAIER | Signature: [signature] | Month 09 Day 23 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar | Signature: [signature] | Month 09 Day 23 Year 04

GENERATOR
TRANSPORTER
FACILITY

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EPA 8700-22

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S1 69457. **See Instructions on back of page 6.**

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 04424
2 Page 1 of 1
Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address: DRMO
VANDENBERG AFB PO BOX 5512
BLDG 11510 - CIVIL ENGINEERING BLDG
~~806 13TH ST~~ VANDENBERG, CA
805-734-0726

4 Generator's Phone ( )

A. State Manifest Document Number: 23761588
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 1800 400 4347
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

5. Transporter 1 Company Name: ISland
6. US EPA ID Number: CAR000053405
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, SOLID (PCB<50 PPM)	001	DT	43780	P	State: 611; EPA/Other: N/A
b.					State: ; EPA/Other:
c.					State: ; EPA/Other:
d.					State: ; EPA/Other:

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month	Day	Year
J CHENEVERT FOR VAFB	[signature] FOR VAFB	09	30	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Gregory Smith	[signature]	09	30	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
[signature]	[signature]	09	30	04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-75

DTSC 8022A (1/99)
EPA 8700—22

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To: P O Box 3000 Sacramento CA 95812

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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04423
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: VANDENBERG AFB PO BOX 5512
BLDG 11510 - CIVIL ENGINEERING BLDG
~~805 13TH ST~~ VANDENBERG, CA
DRMO
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761589
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 800 400 4347
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

5. Transporter 1 Company Name: ISLAND
6. US EPA ID Number: CAR000053405
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, SOLID (PCB<50 PPM)	001	DT	49840 ~~[illegible]~~	P	State 611; EPA/Other N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: J CHENEVERT FOR VAFB
Signature: [signature] FOR VAFB
Month 09 Day 30 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE MAIER
Signature: Mike Maier
Month 09 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 30 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-75[illegible]

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 | Manifest Document No: 044212 | 2 Page 1 of 1

Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address: DRMO
VANDENBERG AFB PO BOX 5512
BLDG 11510 - ~~CIVIL ENGINEERING BLDG~~
~~805 13TH ST~~ VANDENBERG, CA

4 Generator's Phone ( ) 805-734-0726

A State Manifest Document Number: 23761590

B State Generator's ID

5 Transporter 1 Company Name: Island

6 US EPA ID Number: CAR000053405

C State Transporter's ID [Reserved]

D Transporter's Phone: 800 4004349

7 Transporter 2 Company Name

8 US EPA ID Number

E State Transporter's ID [Reserved]

F Transporter's Phone

9 Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10 US EPA ID Number: CAT000646117

G State Facility's ID: CAT000646117

H Facility's Phone: 800-222-2964

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, SOLID (PCB<50 PPM)	001	DT	47780	P	State: 611; EPA/Other: N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J Additional Descriptions for Materials Listed Above: Profile #: EC5625 DRMO Soil

K Handling Codes for Wastes Listed Above: a 03; b; c; d

15 Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: J. HENEVERT FOR VAFB | Signature: FOR VAFB | Month 09 Day 30 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Orlando Duran | Signature | Month 09 Day 30 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos | Signature: RR | Month 09 Day 30 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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EPA 8700-22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. CA9570025149 Manifest Document No. 044211

2 Page 1 of

Information in the shaded areas is not required by Federal law

A State Manifest Document Number 23761591

3 Generator's Name and Mailing Address
PO BOX DRMO 5512
VANDENBERG AFB
BLDG 11510 - ~~CIVIL ENGINEERING BLDG~~
~~806 SITE ST~~ VANDENBERG, CA
VANDENBERG CA 93437

4 Generator's Phone ( ) 805-734-0726

B State Generator's ID

C State Transporter's ID [Reserved]

5 Transporter 1 Company Name MB Trucking

6 US EPA ID Number CAT000611346

D Transporter's Phone 909 545 7218

E State Transporter's ID [Reserved]

7 Transporter 2 Company Name

8 US EPA ID Number

F Transporter's Phone

9 Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10 US EPA ID Number CAT000646117

G State Facility's ID CAT000646117

H Facility's Phone 800-222-2954

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers No.	Type	13 Total Quantity	14 Unit Wt/Vol	I Waste Number
a NON RCRA HAZARDOUS, NON-TOSCA, SOLID (PCB<50 PPM)	001	DT	49380	P	State 611 EPA/Other N/A
b					State EPA/Other
c					State EPA/Other
d					State EPA/Other

J Additional Descriptions for Materials Listed Above
Profile # EC5625
DRMO Soil

K Handling Codes for Wastes Listed Above
a 03 b
c d

15 Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: J Clement FOR VAFB Signature: FOR VAFB Month 09 Day 30 Year 04

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Franklin Pedomo Signature: Month 09 Day 30 Year 04

18 Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year

FACILITY

19 Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos Signature: RR Month 09 Day 30 Year 04

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

(310) 813-7221

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EPA 8700-22

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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 04418
2 Page 1 of 1
Information in the shaded areas is not required by Federal law

A State Manifest Document Number: 24032783

3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB P.O. Box 5512
BLDG 11439-CIVIL ENG BLDG
VANDENBERG CA 93437
4 Generator's Phone ( ) 310 522-1168

B State Generator's ID

5 Transporter 1 Company Name: ISLAND
6 US EPA ID Number: CAR000053405

C State Transporter's ID [Reserved]
D Transporter's Phone: 800 400 4347

7 Transporter 2 Company Name
8 US EPA ID Number

E State Transporter's ID [Reserved]
F Transporter's Phone

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117

G State Facility's ID: CAT000646117
H Facility's Phone: (209)386-9711

11 US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12 Containers No.	Type	13 Total Quantity	14 Unit Wt/Vol	I Waste Number
a NON RCRA HAZARDOUS WASIE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	46720	P	State / EPA/Other 611
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K Handling Codes for Wastes Listed Above
a 03 b
c d

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Mack Duncan for V.A.F.B. | Signature | Month 09 Day 29 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE MAIER | Signature | Month 09 Day 29 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos | Signature | Month 09 Day 30 Year 04

GENERATOR
TRANSPORTER
FACILITY

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To: P.O. Box 3000 Sacramento, CA 95812

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EPA 8700-22

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S167457 See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 | Manifest Document No: 044 20 | 2 Page 1 of 1 | Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439-CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG CA 93437
~~310 522-1168~~

4 Generator's Phone (805) 734 0726

A. State Manifest Document Number: 24032784

B State Generator's ID:

5 Transporter 1 Company Name: ISLAND ENVIRONMENTAL

6 US EPA ID Number: CAD000053405

C State Transporter's ID [Reserved]:

D Transporter's Phone: 800 400 4347

7. Transporter 2 Company Name:

8 US EPA ID Number:

E State Transporter's ID [Reserved]:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10 US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H Facility's Phone: 559 ~~(209)~~ 386-9711

11 US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	44580	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K Handling Codes for Wastes Listed Above
a 03 | b | c | d

15 Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name	Signature	Month	Day	Year
J CHENEVERT FOR VAFB	J CHENEVERT FOR VAFB	09	30	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Gregory South	Gregory South	09	30	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Ramona Ramos	RR	09	30	04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-755

24032784

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Sacramento, California

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GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA9570025149
Manifest Document No.: 04436
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: DRMO
VANDENBERG AFB
~~BLDG 11510 - CIVIL ENGINEERING BLDG~~ BLDG 11510
~~805 13TH ST~~ VANDENBERG, CA PO BOX 5512
4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761583
B. State Generator's ID:

5. Transporter 1 Company Name: MB - Truckins
6. US EPA ID Number: CAT000114694
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 909 545-~~7295~~ 9278

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, SOLID (PCB<50 PPM)	001	DT	39420 ~~00012~~	P ~~CY~~	State 611 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name	Signature	Month Day Year
J CHENEVERT FOR VAFB	[signature] FOR VAFB	10 14 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Franklin - Perdomo	[signature]	10 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Discrepancy Indication Space
(3) Rec'd 52800 pounds Resolved w/ Gary Runnels @ American Intergrated 11/1/04

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
Ramona Ramos	RR	10 14 04

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UP 26534

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Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA9570025149
Manifest Document No: 04437
2. Page 1 of 1
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3. Generator's Name and Mailing Address: DRMO
VANDENBERG AFB
~~BLDG 11510 CIVIL ENGINEERING BLDG~~ BLDG 11510
~~805 13TH ST~~ VANDENBERG, CA
PO BOX 5512

4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 2376158A

B. State Generator's ID:

5. Transporter 1 Company Name: MB TRUCKING
6. US EPA ID Number: CAR000114694

C. State Transporter's ID [Reserved.]

D. Transporter's Phone: 909 545 9278

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID [Reserved.]

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemtrek Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, SOLID (PCB<50 PPM)	001	DT	47300	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile #: EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name	Signature	Month Day Year
J CHENEVERT FOR VAFB	[signature] FOR VAFB	10 14 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
JOSE MENJIVAR	Jose Menjivar	10 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
Ramona Ramos	RR	10 14 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

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To: P.O. Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CA9570025149
Manifest Document No: 044 40
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: VANDENBERG AFB P.O. Box 5512 ~~BLDG 11510 CIVIL ENGINEERING BLDG~~ ~~806 13TH ST~~ VANDENBERG, CA
DRMO

4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number: 23761585

B. State Generator's ID:

5. Transporter 1 Company Name: MB - Truckins
6. US EPA ID Number: CAR000114694 ~~346~~ MD

C. State Transporter's ID [Reserved]:

D. Transporter's Phone: (909) 595-9278

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID [Reserved]:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemtrek Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: 800-222-2964

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA SOLID (PCB<50 PPM)	001	DT	49680 ~~00018~~ MD	P	State 611 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile # EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Mark Duncan for V.A.F.B
Signature: [signature]
Month Day Year: 10 14 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Franklin Perdomo
Signature: [signature]
Month Day Year: 10 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month Day Year: 10 14 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149 Manifest Document No.: 04438
2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address: DRMO, VANDENBERG AFB BLDG 11510 PO BOX 5512, ~~BLDG 11510 - CIVIL ENGINEERING BLDG 806 13TH ST~~ VANDENBERG, CA 93437

4. Generator's Phone ( ) ~~805-734-0726~~

A. State Manifest Document Number: 23761586

B. State Generator's ID:

5. Transporter 1 Company Name: MB Trucking
6. US EPA ID Number: CAR000014694

C. State Transporter's ID [Reserved]

D. Transporter's Phone: 909 545 9278

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID [Reserved]

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Chemical Waste Management, 35251 Old Skyline Road, Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: 800-222-2954

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, SOLID (PCB<50 PPM)	001	DT	46660	P	State / EPA/Other 011 N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: Profile #: EC5625 DRMO Soil

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information: 24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: T CHENEVERT FOR VAFB Signature: FOR VAFB Month 10 Day 14 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Saul A Rivas Signature: Month 10 Day 14 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos Signature: RR Month 10 Day 14 Year 04

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, TRUCKING SPILL CALL CHEMTREK

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 Manifest Document No. 044319
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO
VANDENBERG AFB BLDG 11510 PO BOX 5512
~~BLDG 11510 - CIVIL ENGINEERING BLDG~~
~~806 13TH ST~~ VANDENBERG, CA 93437

4. Generator's Phone ( ) 805-734-0726

A. State Manifest Document Number 23761587
B. State Generator's ID
C. State Transporter's ID [Reserved]
D. Transporter's Phone 909-5459778
E. State Transporter's ID [Reserved]
F. Transporter's Phone

5. Transporter 1 Company Name: MB Trucking
6. US EPA ID Number: CAR000114691

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
10. US EPA ID Number: CAT000646117

G. State Facility's ID CAT000646117
H. Facility's Phone 800-222-2964

11. US DOT Description (including Proper Shipping Name Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS, NON-TOSCA, SOLID (PCB<50 PPM)	001	DT	46020	P	State 611; EPA/Other N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
Profile # EC5625 DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
24 Hour emergency Contact: CHEMTREK EMERGENCY RESPONSE 800-424-9300

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Printed/Typed Name: T CHEVERT FOR VAFB Signature: FOR VAFB Month 10 Day 14 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Pedro Valdez Signature: Month 10 Day 14 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos Signature: RR Month 10 Day 14 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR
TRANSPORTER
FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 043914
2 Page 1 of
Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 24032779

3 Generator's Name and Mailing Address
bldg 11510
DRMO-VANDENBERG AFB P.O. Box 3512
~~BLDG 11439-CIVIL ENG BLDG~~
~~VANDENBERG~~ CA 93437
~~310 522-1168~~

B. State Generator's ID

4 Generator's Phone ( )

5 Transporter 1 Company Name: Island Enviromental
6 US EPA ID Number: CAR000053405

C. State Transporter's ID [Reserved]
D. Transporter's Phone: 800-400-4347

7 Transporter 2 Company Name
8 US EPA ID Number

E. State Transporter's ID [Reserved]
F. Transporter's Phone

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
~~KETTLEMAN CITY CA 93239~~
10 US EPA ID Number: CAT080010117

G. State Facility's ID: CAT080010117
H. Facility's Phone: (209)386-9711

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers No.	Type	13 Total Quantity	14 Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	45540	P	State / EPA/Other 611
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K Handling Codes for Wastes Listed Above
a. D3 b. c. d.

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16 **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR — Printed/Typed Name: Mark Duncan for V.A.F.B. Signature: [signature] Month 09 Day 23 Year 04

TRANSPORTER — 17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gregory South Signature: [signature] Month 09 Day 23 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year

FACILITY — 19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar Signature: [signature] Month 09 Day 23 Year 04

DO NOT WRITE BELOW THIS LINE.

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7-17036 **See Instructions on back of page 6.**

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04395
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

A. State Manifest Document Number: 24032780

3. Generator's Name and Mailing Address
bldg 11510
DRMO-VANDENBERG AFB P.O. Box 5512
~~BLDG 11439 CIVIL ENG BLDG~~ MD
VANDENBERG CA 93437
4. Generator's Phone ( ) 310 522-1168

B. State Generator's ID

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043331

C. State Transporter's ID [Reserved]
D. Transporter's Phone: 661-763-5724

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID [Reserved]
F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	44360	P	State: 611 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Mark Duncan for V.A.F.B
Signature: [signature]
Month Day Year: 09 23 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gene Lueth
Signature: [signature]
Month Day Year: 09 23 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Steven Houshousen
Signature: [signature]
Month Day Year: 09 23 04

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GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL ... NSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

24032780

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. Mashburn CA9570025149 Manifest Document No 04396 2. Page 1 of 1 Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
bldg 11570
DRMO VANDENBERG AFB P.O. Box 5512
~~BLDG 11439-CIVIL ENG BLDG~~
4. Generator's Phone ( ) 310 522-1168 CA 93437

A. State Manifest Document Number 24032781
B. State Generator's ID
C. State Transporter's ID [Reserved]
D. Transporter's Phone 661-763-5724
E. State Transporter's ID [Reserved]
F. Transporter's Phone
G. State Facility's ID CAT000646117
H. Facility's Phone (209)386-9711

5. Transporter 1 Company Name Mashburn Transportation 6. US EPA ID Number CAR000043331
7. Transporter 2 Company Name 8. US EPA ID Number

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	46960	P	State / EPA/Other 611
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Mark Duncan for V.A.F.B. Signature: [signature] for V.A.F.B. Month 09 Day 23 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Dave Childress Signature: [signature] Month 09 Day 23 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Steven Holshouser Signature: [signature] Month 09 Day 23 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

24032781

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Department of Toxic Substances Control
Sacramento, California

24032745

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 014011
2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439-CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG CA 93437
4. Generator's Phone: (805) 734-0726 ~~310 522-1168~~

A. State Manifest Document Number: 24032745
B. State Generator's ID:

5. Transporter 1 Company Name: ISLAND
6. US EPA ID Number: CAR000053405
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 1800 400 4347

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]
F. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT080013017
H. Facility's Phone: 559 ~~(209)~~ 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	411780	P	State / EPA/Other 611 / N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. D3
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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GENERATOR

Printed/Typed Name: T. CHENEVERT
Signature: T. Chenevert
Month 09 Day 28 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gregory South
Signature: Gregory South
Month 09 Day 28 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature:
Month 09 Day 28 Year 04

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700-22

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To: P.O. Box 3000 Sacramento CA 95812

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149 — Manifest Document No: 014014
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG ~~AFB~~ 805 7340726 CA 93437
~~310 522 1168~~

A. State Manifest Document Number: 24032746
B. State Generator's ID:

5. Transporter 1 Company Name: MB Trucking
6. US EPA ID Number: CAT080011193146
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 909 545 7298

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASIE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: 559 ~~(209)~~ 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASIE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	49540	P	State 611; EPA/Other N/A
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. D3 b. c. d.

15. Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: J CHENEVERT — Signature: [signature] — Month 09 Day 28 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Franklin Pardomo — Signature: [signature] — Month 09 Day 28 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar — Signature: [signature] — Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P O Box 3000, Sacramento, CA 95812

State of California Uniform Hazardous Waste Manifest
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type Form designed for use on elite (12-pitch) typewriter

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. CA9570025149 Manifest Document No. 014015

2 Page 1 of 1

Information in the shaded areas is not required by Federal law

A. State Manifest Document Number 24032748

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439-CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG ~~AFB~~ CA 93437
~~310 522-1168~~

B. State Generator's ID

5 Transporter 1 Company Name: Island Environmental
6 US EPA ID Number: CAR000053405

C. State Transporter's ID [Reserved]
D. Transporter's Phone: 800 400 4347

7. Transporter 2 Company Name
8 US EPA ID Number

E. State Transporter's ID [Reserved]
F. Transporter's Phone

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117
H. Facility's Phone: 559 ~~(209)~~ 386-9711

11 US DOT Description (including Proper Shipping Name Hazard Class and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	47300	P	State 611 / EPA/Other N/A
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. B
b
c
d

15 Special Handling Instructions and Additional Information
CHEMIREC Emergency Response Number (800)424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: T CHEVERT | Signature | Month 09 Day 28 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Orlando Duran | Signature | Month 09 Day 28 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month 09 Day 30 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700-22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P O Box 3000, Sacramento, CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type *Form designed for use on elite (12-pitch) typewriter.*

4D60475 See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 014402
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439-CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
4. ~~VANDENBERG~~ (805) 734-0726 CA 93437
~~310 522-1168~~

A. State Manifest Document Number: 24032749
B. State Generator's ID:
C. State Transporter's ID [Reserved.]
D. Transporter's Phone: 661 763 5724
E. State Transporter's ID [Reserved.]
F. Transporter's Phone:
G. State Facility ID: CAT000046117
H. Facility's Phone: 559 (209) 386-9711

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000046117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	46780	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. D3
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: J CHENEVERT
Signature: J Chenevert
Month 09 Day 28 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: SCOTT BALLARD
Signature: Scott Ballard
Month 09 Day 28 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salinas
Signature:
Month 09 Day 28 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24032749

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EPA 8700—22

State of California Environmental Protection Agency
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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04403
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG CA 93437
~~310 522-1168~~

4. Generator's Phone (805) 7340726

A. State Manifest Document Number: 24032750
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: (909) 545-9278
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: ~~(209)~~ 559 386-9711

5. Transporter 1 Company Name: MB - TRUCKING
6. US EPA ID Number: CAT000114694
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	48600	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name	Signature	Month	Day	Year
J CHENEVERT	[signature]	09	28	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JUAN MARROQUIN	Juan M.	09	28	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rose Salazar	[signature]	09	28	04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL ... NSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-

DTSC 8022A (1/99)
EPA 8700—22

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State of California—Environmental Protection Agency
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7P04142

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No.: 04400
2 Page 1 of 1
Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG CA 93437
~~310-522-1168~~

4 Generator's Phone (805) 7340726

A. State Manifest Document Number: 24032751
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 1800 400 4347
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 559 ~~(209)~~ 386-9711

5 Transporter 1 Company Name: ISLAND
6 US EPA ID Number: CAR000053405
7 Transporter 2 Company Name:
8 US EPA ID Number:
9 Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	45820	P	State: 611 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: J CHENEVERT
Signature: [signature]
Month 09 Day 28 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE MAIER
Signature: Mike Maier
Month 09 Day 28 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 28 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

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EPA 8700—22

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Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 Manifest Document No: 014399
2 Page 1 of 1
Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439 CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG ~~(805) 734-0726~~ CA 93437
~~310 522 1168~~

A State Manifest Document Number: 24032752
B State Generator's ID:
C State Transporter's ID [Reserved]
D Transporter's Phone: 661-763 5924
E State Transporter's ID [Reserved]
F Transporter's Phone:
G State Facility ID: CAT000646117
H Facility's Phone: 559 ~~(209)~~ 386-9711

4 Generator's Phone

5 Transporter 1 Company Name: MTJ
6 US EPA ID Number: CAR000143331
7 Transporter 2 Company Name:
8 US EPA ID Number:

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	50220	P	State 611 / EPA/Other N/A
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K Handling Codes for Wastes Listed Above
a 03 b
c d

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16 **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: J CHENEVERT Signature: [signature] Month 09 Day 28 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bobby RAY WILLINGHAM Signature: Bobby Ray Willingham Month 09 Day 28 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year

FACILITY

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Joe Salazar Signature: [signature] Month 09 Day 28 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7

24032752

DTSC 8022A (1/99)
EPA 8700—22

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State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12 pitch) typewriter LP

7C17836

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149
Manifest Document No: 04398
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439-CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG CA 93437
~~310 522-1168~~

4. Generator's Phone (805) 7340726

A. State Manifest Document Number: 24032753
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-7635724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	46760	P	State: 611 EPA/Other: N/A
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: J CHENEVERT
Signature: [signature]
Month Day Year: 09 28 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gene Lueth
Signature: Gene Lueth
Month Day Year: 09 28 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature:
Month Day Year: 09 28 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24032753

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To: P O Box 3000 Sacramento CA 95812

DTSC 8022A (1/99)
EPA 8700—22

State of California — Elliot Ornitional Protection Agency
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

24032756

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 — Manifest Document No.: 04397

2 Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO-VANDENBERG AFB
~~BLDG 11439-CIVIL ENG BLDG~~ BLDG 11510 PO BOX 5512
VANDENBERG CA 93437
~~310-522-1168~~

4. Generator's Phone: (805) 734-0726

A. State Manifest Document Number: 24032756

B. State Generator's ID:

5. Transporter 1 Company Name: M.T.S

6. US EPA ID Number: CAR000043111

C. State Transporter's ID [Reserved]:

D. Transporter's Phone: (661) 763-5724

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID [Reserved]:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: ~~(209)~~ 559 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	49980	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
~~EPA ID #~~ ~~1BCAC002582175~~ ~~per Richard Hills~~
DRMO Soil ~~@ J Gladstone~~ ~~RS 10/1/04~~

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
J Chenevert	[signature]	09	28	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Charles Willughan	[signature]	09	28	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
13) Rec'd 46060 Pounds. resolved w/ Gary Runnells @ American Integrated RS/PO 10/7/04

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rose Salazar	[signature]	09	28	04

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P O Box 3000 Sacramento CA 95812

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149
Manifest Document No: 04419
2 Page 1 of
Information in the shaded areas is not required by Federal law

A. State Manifest Document Number: 24032782

3 Generator's Name and Mailing Address:
DRMO-VANDENBERG AFB P.O. Box 5512
BLDG 11439-CIVIL ENG BLDG
VANDENBERG CA 93437
310-522-1168

B. State Generator's ID

4 Generator's Phone

5 Transporter 1 Company Name: M.B. Trucking
6 US EPA ID Number: CAT000119346
C. State Transporter's ID [Reserved]
D. Transporter's Phone: 909-545-7298

7 Transporter 2 Company Name
8 US EPA ID Number
E. State Transporter's ID [Reserved]
F. Transporter's Phone

9 Designated Facility Name and Site Address:
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID, (SOIL WITH NON TSCA PCBS)	001	DT	49340	P	State / EPA/Other 611
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5625
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. D3
b.
c.
d.

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16 **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Mark Duncan for V.A.F.B.
Signature: [signature] for V.A.F.B.
Month Day Year: 09 29 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Franklin Perdomo
Signature: [signature]
Month Day Year: 09 29 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose Salazar
Signature: [signature]
Month Day Year: 09 29 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24032782

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000 Sacramento CA 95812

DTSC 8022A (1/99)
EPA 8700--22

State of ~~California~~ Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

CWMI
Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA957002514 9
Manifest Document No: 04302
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO VANDENBERG AFB
PO BOX 5512, Bldg 11510
VANDENBERG AFB CA 93437
4. Generator's Phone (805) 734-0726

A. State Manifest Document Number: 24032724
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661 393-5958
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 559-386-2711 ~~(209)386-9711~~

5. Transporter 1 Company Name: Stan Lester trucking
6. US EPA ID Number: CAN000155291
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ, POLYCHLORINATED BIPHENYLS, SOLID,9,UN2315,III,(PCB CONTAMINATED SOIL) 750 PPM	001	DT	48440	P	State 611 / EPA/Other N/A
b. CA II 418549n					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5693
Out of service date 7-30-04 per Gary Runnells @ American Intergrated RS 9/16/04
Weight in Kg S/B 22018 ok per Gary Runnells @ American Intergrated RS 9/16/04
DRMO Soil

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: Dean M. [signature] for Vandenberg AFB
Signature: [signature] for Vandenberg AFB
Month 09 Day 16 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Stan Lester
Signature: [signature]
Month 09 Day 16 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Rose Salazar
Signature: [signature]
Month 09 Day 16 Year 04

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACIL

DTSC 8022A (1/99)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P O Box 3000 Sacramento CA 95812

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State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

CWMI
Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. CA957002514 9 — Manifest Document No 04326 — 2 Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DRMO VANDENBERG AFB
PO BOX 5512 BLDG 4610
VANDENBERG AFB CA 93437
4 Generator's Phone (805) 734-0726

A. State Manifest Document Number 24032725
B. State Generator's ID
C. State Transporter's ID [Reserved.]
D. Transporter's Phone 661-763-5724
E. State Transporter's ID [Reserved.]
F. Transporter's Phone
G. State Facility's ID CAT000646117
H. Facility's Phone 209 386-9711 359

5 Transporter 1 Company Name: MASHBURN
6 US EPA ID Number: CAP000943331
7 Transporter 2 Company Name:
8 US EPA ID Number:
9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT000646117

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a RQ, POLYCHLORINATED BIPHENYLS, SOLID, 9, UN2315, III, (PCB CONTAMINATED SOIL) 750 PPM	991	DT	18982	KG	State 511 / EPA/Other
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5693
OUT OF SERVICE 7-20-04

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name	Signature	Month	Day	Year
T Chenevert for VAFB	[signature] for VAFB	09	20	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ronny Wise	[signature]	09	20	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Ramona Ramos	[signature]	09	20	04

DO NOT WRITE BELOW THIS LINE.

24032725

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR — TRANSPORTER — FACILI

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

CWMI
Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA9570025149 — Manifest Document No. 04327 — 2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO VANDENBERG AFB
PO BOX 5512 BLDG 11510
VANDENBERG AFB CA 93437

4. Generator's Phone (805) 734-0726

A. State Manifest Document Number: 24032726

B. State Generator's ID

5. Transporter 1 Company Name: Masburn Transportation

6. US EPA ID Number: CAR000043331

C. State Transporter's ID [Reserved]

D. Transporter's Phone: 660 763-5724

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID [Reserved]

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID: CAT000646117

H. Facility's Phone: 559 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ, POLYCHLORINATED BIPHENYLS, SOLID,9,UN2315,III,(PCB CONTAMINATED SOIL) 750 PPM	001	DT	20727	K	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5693
OUT OF SERVICE 7-30-04
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name	Signature	Month	Day	Year
J. Chemtrec for VAFB	[signature] for VAFB	09	20	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Starkton	Tommy Starkton	09	20	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Ramona Ramos	RR	09	20	04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24032726

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

State of California—Environmental Protection Agency
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See Instructions on back of page 6.

CWMI
Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149 — Manifest Document No: 04328
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO VANDENBERG AFB
PO BOX 5512 Rm 11510
VANDENBERG AFB CA 93437
4. Generator's Phone (805) 734-0726

A. State Manifest Document Number: 24032727
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661 763-5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 209 386-9711

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ, POLYCHLORINATED BIPHENYLS, SOLID 9, UN2315, III, (PCB CONTAMINATED SOIL) 750 PPM	001	DT	19882	XG	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5693
OUT OF SERVICE 7-30-04
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: [illegible] for VAFB — Signature: [illegible] for VAFB — Month 09 Day 20 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gene Lueth — Signature: [illegible] — Month 09 Day 20 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Ramona Ramos — Signature: RR — Month 09 Day 20 Year 04

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24032727

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

CWMI
Department of Toxic Substances Control
Sacramento, California

24032728

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149 — Manifest Document No: 04331
2. Page 1 of 1

Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO VANDENBERG AFB
PO BOX 5512 BLDG 1510
VANDENBERG AFB CA 93437
4. Generator's Phone (805) 734-0726

A. State Manifest Document Number: 24032728
B. State Generator's ID:
C. State Transporter's ID [Reserved.]
D. Transporter's Phone: 1661 762-5204
E. State Transporter's ID [Reserved.]
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: 209-386-9711

5. Transporter 1 Company Name: Masonian Transportation
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ, POLYCHLORINATED BIPHENYLS, SOLID 9, UN2315, III, (PCB CONTAMINATED SOIL)	001	DT	47020	P	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5693
OUT OF SERVICE 7-30-04
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name	Signature	Month	Day	Year
[illegible] for VAFB	[illegible] for VAFB	09	20	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	09	20	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Rose Salazar	[illegible]	09	20	04

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
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See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA957002514 9
Manifest Document No: 04333 3
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
DRMO VANDENBERG AFB
PO BOX 5512 BLDG 11510
VANDENBERG AFB CA 93437
4. Generator's Phone (805)734-0726

A. State Manifest Document Number: 24032729
B. State Generator's ID:
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209)386-9711

5. Transporter 1 Company Name: MTS
6. US EPA ID Number: CAR000043331
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ, POLYCHLORINATED BIPHENYLS, SOLID,9,UN2315,III,(PCB CONTAMINATED SOIL) 750 PPM	001	DT	20755	K	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5693
OUT OF SERVICE 7-30-04
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name	Signature	Month	Day	Year
[illegible] for VAFB	[signature] for VAFB	09	20	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Gene Lueth	[signature]	09	20	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]		09	20	04

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

24032729

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type Form designed for use on elite (12 pitch) typewriter

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: CA9570025149 Manifest Document No: 04332
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

A. State Manifest Document Number: 24032730

3. Generator's Name and Mailing Address
DRMO VANDENBERG AFB
PO BOX 5512 2006 11510
VANDENBERG AFB CA 93437

4. Generator's Phone (805) 734-0726

B. State Generator's ID

5. Transporter 1 Company Name: MACIRA

6. US EPA ID Number

C. State Transporter's ID [Reserved.]

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID [Reserved.]

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10. US EPA ID Number: CAT000646117

G. State Facility ID: CAD000646117

H. Facility's Phone: (209) 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ, POLYCHLORINATED BIPHENYLS, SOLID, 9, UN2315, III, (PCB CONTAMINATED SOIL) 750 PPM	001	DT	43660	K	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5693
OUT OF SERVICE 7-30-04
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. D2 b.
c. d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: SCHUMACHER USAF VAFB | Signature | Month 09 Day 20 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month 09 Day 20 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-755

24032730

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12 pitch) typewriter*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 Manifest Document No: 014343

2 Page 1 of 1

Information in the shaded areas is not required by Federal law.

3 Generator's Name and Mailing Address
DRMO VANDENBERG AFB
PO BOX 5512 BLDG 1510
VANDENBERG AFB CA 93437

4 Generator's Phone (805) 734-0726

A State Manifest Document Number: 24040825

B State Generator's ID

C State Transporter's ID [Reserved.]

D Transporter's Phone: (661) 763-5704

5 Transporter 1 Company Name: Mission Transportation

6 US EPA ID Number: CAT080013352

E State Transporter's ID [Reserved.]

7 Transporter 2 Company Name

8 US EPA ID Number

F Transporter's Phone

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239

10 US EPA ID Number: CAT080014617

G State Facility's ID: CHT100046117

H Facility's Phone: (559) 386-9711

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers No.	12 Containers Type	13 Total Quantity	14 Unit Wt/Vol	I Waste Number
a. RQ, POLYCHLORINATED BIPHENYLS, SOLID,9,UN2315,III,(PCE CONTAMINATED SOIL)	001	DT	17755	K	State 611 / EPA/Other N/A
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J Additional Descriptions for Materials Listed Above
a. EC5693 OUT OF SERVICE 7-30-04 DRMO SOIL

K Handling Codes for Wastes Listed Above
a. 03 b. c. d.

15 Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: [illegible] Signature: [illegible] Month 07 Day 21 Year 04

17 Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Tony [illegible] Signature: [illegible] Month 07 Day 21 Year 04

18 Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year

19 Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Romina Ramos Signature: [illegible] Month 07 Day 21 Year 04

GENERATOR

TRANSPORTER

FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24040825

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type *Form designed for use on elite (12 pitch) typewriter*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

24040826

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RE[illegible] CENTER 1-800-424-8802: WITHIN CALIFORNIA, CALL 1-800-852-755

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA 9 5 7 0 0 2 5 1 4 9
Manifest Document No: 0 4 7 4 2
2 Page 1 of 1
Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
DRMO VANDENBERG AFB
PO BOX 5512 BLDG 1510
VANDENBERG AFB CA 93437
4 Generator's Phone (805) 734-0726

A. State Manifest Document Number: 24040826
B. State Generator's ID:
C. State Transporter's ID [Reserved.]:
D. Transporter's Phone: 661-763-5724
E. State Transporter's ID [Reserved.]:
F. Transporter's Phone:
G. State Facility's ID: CAT000646117
H. Facility's Phone: (209) 386-9711

5 Transporter 1 Company Name: MTS
6 US EPA ID Number: CAT000043331
7 Transporter 2 Company Name:
8 US EPA ID Number:

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10. US EPA ID Number: CAT000646117

11 US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a RQ, POLYCHLORINATED BIPHENYLS, SOLID,9,UN2315,III,(PCB CONTAMINATED SOIL)	001	D7	21182	K	State 611 / EPA/Other N/A
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5693
OUT OF SERVICE 7 30 04
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: [illegible]
Signature: [illegible]
Month Day Year: 09 21 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gene Lueth
Signature: [illegible]
Month Day Year: 09 21 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day Year:

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type Form designed for use on elite (12-pitch) typewriter

See Instructions on back of page 6.

CWMI
Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA957002514 9
Manifest Document No:
2 Page 1 of 1
Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
DRMO VANDENBERG AFB
PO BOX 5512
VANDENBERG AFB CA 93437
4 Generator's Phone (805) 734-0726

A. State Manifest Document Number: 24040833
B. State Generator's ID:

5 Transporter 1 Company Name: [illegible]
6 US EPA ID Number: CA[illegible]
C. State Transporter's ID [Reserved]:
D. Transporter's Phone: [illegible]

7 Transporter 2 Company Name:
8 US EPA ID Number:
E. State Transporter's ID [Reserved]:
F. Transporter's Phone:

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CA T000646117
G. State Facility's ID: CA T000646117
H. Facility's Phone: (209) 386-9711

11. US DOT Description (including Proper Shipping Name Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. RQ, POLYCHLORINATED BIPHENYLS, SOLID,9,UN2315,III.(PCB CONTAMINATED SOIL)	[illegible]	[illegible]	[illegible]	[illegible]	State 611 / EPA/Other
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5693 [illegible]
DRMO TSCA SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: [illegible]
Signature: [illegible]
Month Day Year: [illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible]
Signature: [illegible]
Month Day Year: [illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [illegible]
Signature:
Month Day Year: [illegible]

DO NOT WRITE BELOW THIS LINE.

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24040833

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type *Form designed for use on elite (12 pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: CA9570025149 Manifest Document No: 04745

2 Page 1 of 1

Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
DRMO VANDENBERG AFB
PO BOX 5512 BLDG 1510
VANDENBERG AFB CA 93437

4 Generator's Phone (805) 734-0726

A. State Manifest Document Number: 24040834

B. State Generator's ID

C. State Transporter's ID (Reserved)

D. Transporter's Phone: 661-763-5724

E. State Transporter's ID (Reserved)

F. Transporter's Phone

G. State Facility's ID: CAT100061910/17

H. Facility's Phone: 269-1386-9711

5 Transporter 1 Company Name: MASHBURN
6 US EPA ID Number: CAA000043311

7 Transporter 2 Company Name
8 US EPA ID Number

9 Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
35251 OLD SKYLINE ROAD
KETTLEMAN CITY CA 93239
10 US EPA ID Number: CAT100061911 7

11 US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13 Total Quantity	14. Unit Wt/Vol	I. Waste Number
a RQ, POLYCHLORINATED BIPHENYLS, SOLID,9,UN2315,III,(PCB CONTAMINATED SOIL)	001	DT	19000	K	State 611 / EPA/Other NA
b					State / EPA/Other
c					State / EPA/Other
d					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
a. EC5693
OUT OF SERVICE 7-30-04
DRMO SOIL

K. Handling Codes for Wastes Listed Above
a. 03
b.
c.
d.

15. Special Handling Instructions and Additional Information
CHEMTREC Emergency Response Number (800)424-9300 WMI Contract

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Printed/Typed Name: THANARO SOI VAFP
Signature
Month 09 Day 21 Year 04

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month 09 Day 21 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19 Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Aristeo Zavala
Signature
Month 09 Day 21 Year 04

DO NOT WRITE BELOW THIS LINE.

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

24040834

DTSC 8022A (1/99)
EPA 8700—22

Green: TRANSPORTER RETAINS

APPENDIX F

BACKFILL COMPACTION TEST RESULTS

DAILY FIELD REPORT

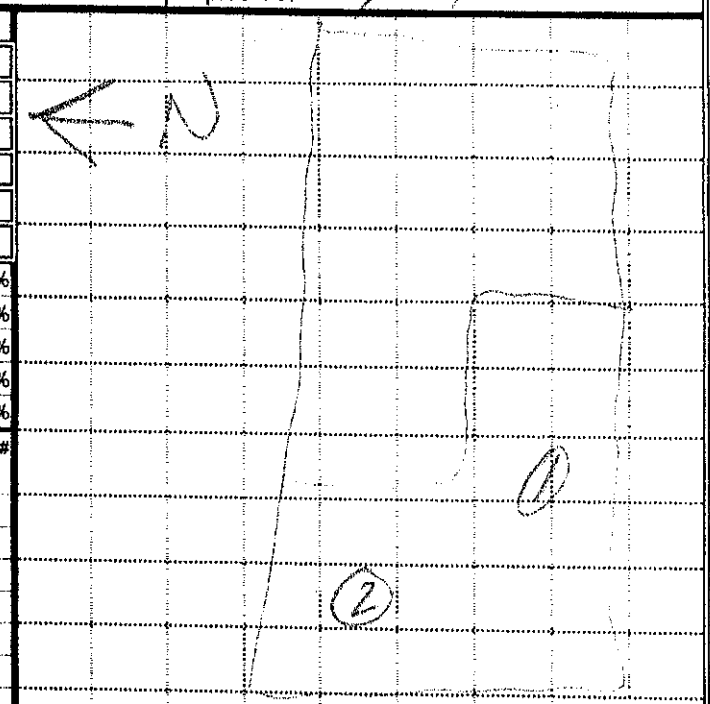
GSI Soils, Inc.
SM - ph. 349-0140, fax 349-8861
SLO - ph. 543-5493, fax 543-2748

Project Name: DRMO YARD		Project No.: 4-2752	
Unit #:	Lot #:	Project Location: VAFB	Date: 10/14/04
Client: AMERICAN		Contractor:	Arrived: / Departed:
Requested By: INTERGRADE		Met With:	Copies To:

TYPE OF WORK:		SUBJECT AREAS:		SPECIAL INSPECTION:	
Observe & Test:	X	Building Pad:		Reinforced Concrete (ch. 19):	
Observation:		Embankment:		Structural Masonry (ch. 21):	
Moisture Penetration:		Parking/Roadway:		Structural Steel (ch. 22):	
Footing Observations:		Subgrade/Baserock:		Welding Inspection:	
Field Meeting:		Trench Backfill:		Bolt Inspection:	
Other:		Other:		Other:	

Curve # 1 Material Description: BN SILTY SAND w/CLAY 119.3 pcf @ 10.7 %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %

Test	Location	Fill	DFG	Moisture %	Dry Den pcf	Comp. %	Curve #
1	SCRAP LAY DOWN YARD	1.0	0.5	9.4	113.1	95	1
2	" " " "	1.0	0.5	10.1	114.0	96	1



REMARKS:

Sampled materials for check point.

HOURS ON SITE:

Field Tech: [signature]

LEVEL 1: COMPACTION TESTING
The test results reported represent the moisture and density at the locations and depths indicated. No opinion is provided as to the adequacy of the material to perform its intended function, or the stability of the site.

LEVEL 2: REGULAR GRADING
A soils engineering report was not performed or not required by the Building Official. The grading performed would therefore be designated regular grading in accordance with Chapter 33 of the Uniform Building Code (UBC).

LEVEL 3: ENGINEERED GRADING
Based on our observations and testing, to the best of our knowledge, the work performed has been accomplished in general accordance with the soils engineering report and Chapter 33 of the Uniform Building Code (UBC).

DAILY FIELD REPORT

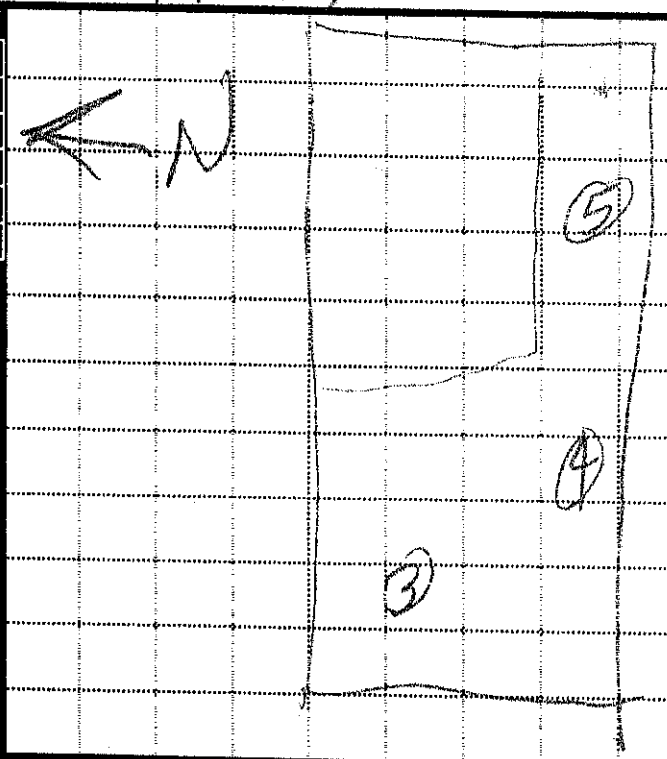
GSI Soils, Inc.
SM - ph. 349-0140, fax 349-8861
SLO - ph. 543-5493, fax 543-2748

Project Name: ORMO YARD			Project No.: 4-2752
Unit #:	Lot #:	Project Location: VAFB	Date:
Client: AMERICAL		Contractor:	Arrived: 10/15/04 Departed:
Requested By: INTEGRATED		Met With:	Copies To:

TYPE OF WORK:		SUBJECT AREAS:		SPECIAL INSPECTION:	
Observe & Test:	X	Building Pad:		Reinforced Concrete (ch. 19):	
Observation:		Embankment:		Structural Masonry (ch. 21):	
Moisture Penetration:		Parking/Roadway:		Structural Steel (ch. 22):	
Footing Observations:		Subgrade/Baserock:		Welding Inspection:	
Field Meeting:		Trench Backfill:		Bolt Inspection:	
Other:		Other:		Other:	

Curve # 1 Material Description: BASELITY w/CLAY 119.3 pcf @ 10.7 %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %

Test	Location	Fill	DFG	Moisture %	Dry Den pcf	Comp. %	Curve #
3	SCRAP LAY - DOWN YARD	1.0	156	9.4	115.4	97	1
4	" " " "		"	10.2	116.0	97	1
5	" " " "		"	9.7	119.9	96	1



REMARKS:

HOURS ON SITE:

Field Tech:

LEVEL 1: COMPACTION TESTING
The test results reported represent the moisture and density at the locations and depths indicated. No opinion is provided as to the adequacy of the material to perform its intended function or the stability of the site.

LEVEL 2: REGULAR GRADING
A soils engineering report was not performed or not required by the Building Official. The grading performed would therefore be designated regular grading in accordance with Chapter 33 of the Uniform Building Code).

LEVEL 3: ENGINEERED GRADING
Based on our observations and testing, to the best of our knowledge, the work performed has been accomplished in general accordance with the soils engineering report and Chapter 33 of the Uniform Building Code (UBC).

DAILY FIELD REPORT

GSI Soils, Inc.
SM - ph. 349-0140, fax 349-8861
SLO - ph. 543-5493, fax 543-2748

Project Name: ORMO YARD		Project No.: 4-2752	
Unit #:	Lot #:	Project Location: VAFB	Date: 10/18/06
Client: AMERICAN		Contractor:	Arrived: / / Departed:
Requested By: INTERGRADED		Met With:	Copies To:

TYPE OF WORK:

- Observe & Test: [X]
- Observation: [ ]
- Moisture Penetration: [ ]
- Footing Observations: [ ]
- Field Meeting: [ ]
- Other: [ ]

SUBJECT AREAS:

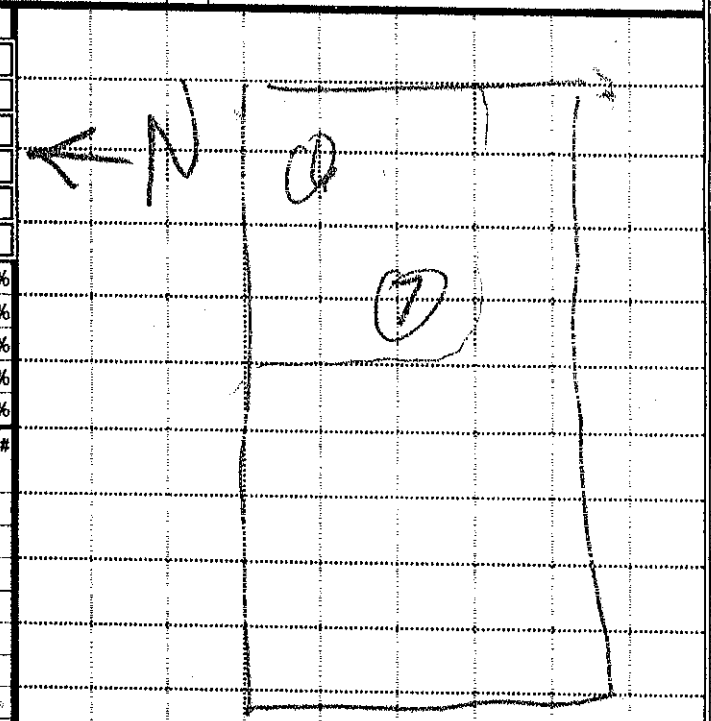
- Building Pad: [ ]
- Embankment: [ ]
- Parking/Roadway: [ ]
- Subgrade/Baserock: [ ]
- Trench Backfill: [ ]
- Other: [ ]

SPECIAL INSPECTION:

- Reinforced Concrete (ch. 19): [ ]
- Structural Masonry (ch. 21): [ ]
- Structural Steel (ch. 22): [ ]
- Welding Inspection: [ ]
- Bolt Inspection: [ ]
- Other: [ ]

Curve # 1 Material Description: DK SILTY W CLAY 117.3 pcf @ 10.7 %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %

Test	Location	Fill	DFG	Moisture %	Dry Den pcf	Comp. %	Curve #
6	SCRAP YARD LAY-DOWN AREA	1.0	1.0	11.6	112.8	95	1
7	" " " "			11.1	113.3	95	1



REMARKS:

HOURS ON SITE:

Field Tech:

LEVEL 1: COMPACTION TESTING
The test results reported represent the moisture and density at the locations and depths indicated. No opinion is provided as to the adequacy of the material to perform its intended function, or the stability of the site.

LEVEL 2: REGULAR GRADING
A soils engineering report was not performed or not required by the Building Official. The grading performed would therefore be designated regular grading in accordance with Chapter 33 of the Uniform Building Code (UBC).

LEVEL 3: ENGINEERED GRADING
Based on our observations and testing, to the best of our knowledge, the work performed has been accomplished in general accordance with the soils engineering report and Chapter 33 of the Uniform Building Code (UBC).

DAILY FIELD REPORT

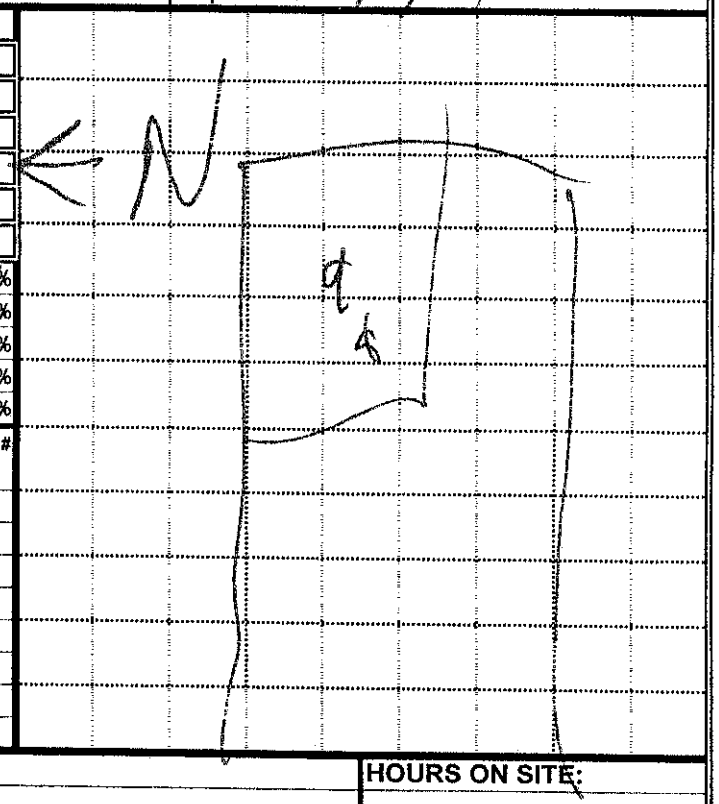
GSI Soils, Inc.
SM - ph. 349-0140, fax 349-8861
SLO - ph. 543-5493, fax 543-2748

Project Name: DRMO YARD			Project No.: 1-2752
Unit #:	Lot #:	Project Location: VAFB	Date:
Client: AMERICAN		Contractor:	Arrived: 10/17/04 Departed:
Requested By: INTER		Met With:	Copies To:

TYPE OF WORK:		SUBJECT AREAS:		SPECIAL INSPECTION:	
Observe & Test:	X	Building Pad:		Reinforced Concrete (ch. 19):	
Observation:		Embankment:		Structural Masonry (ch. 21):	
Moisture Penetration:		Parking/Roadway:		Structural Steel (ch. 22):	
Footing Observations:		Subgrade/Baserock:		Welding Inspection:	
Field Meeting:		Trench Backfill:		Bolt Inspection:	
Other:		Other:		Other:	

Curve # 1 Material Description: SILTY w/ CLAY 119.3 pcf @ 10.7 %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %
Curve # ___ Material Description: ___ pcf @ ___ %

Test	Location	Fill	DFG	Moisture %	Dry Den pcf	Comp. %	Curve #
1	SCRAP YARD	1.0	CSC	10.4	114.3	96	1
2	" "	1.0	FSC	10.8	114.7	96	1



REMARKS:

HOURS ON SITE:

Field Tech:

LEVEL 1: COMPACTION TESTING
The test results reported represent the moisture and density at the locations and depths indicated. No opinion is provided as to the adequacy of the material to perform its intended function, or the stability of the site.

LEVEL 2: REGULAR GRADING
A soils engineering report was not performed or not required by the Building Official. The grading performed would therefore be designated regular grading in accordance with Chapter 33 of the Uniform Building Code (UBC).

LEVEL 3: ENGINEERED GRADING
Based on our observations and testing, to the best of our knowledge, the work performed has been accomplished in general accordance with the soils engineering report and Chapter 33 of the Uniform Building Code (UBC).