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REPORT ON

FINAL SOIL MANAGEMENT PLAN FOR ASSESSMENT, REMEDIATION AND CONFIRMATION SAMPLING OF VADOSE ZONE SOILS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA
LARWQCB CASE #0237A
SITE ID NO. 2040214

by Haley & Aldrich, Inc.
Costa Mesa, California

for United Technologies Corporation
Farmington, Connecticut

File No. 32594-456
November 2015

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19 November 2015
File No. 32594-456

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Attention: Ms. Ana Townsend

Subject: Final Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils
United Technologies Corporation
Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303
LARWQCB Case #0237A, Site ID No. 2040214

Dear Ms. Townsend:

Haley & Aldrich, Inc. is submitting this Final Soil Management Plan (SMP) on behalf of United Technologies Corporation to assess and remediate impacted soils at their Canoga Avenue Facility located at 6633 Canoga Avenue, Canoga Park, California. This SMP and the appended Human Health Risk Assessment establishes the soil remediation goals (SRGs) and procedures for assessment and remediation of soil impacts and confirmation sampling should impacted soil be excavated to protect human health and the environment. The SMP was revised in accordance with our Responses to Regional Water Quality Control Board-Los Angeles Region's Comments dated 25 March 2015 and to address the Comments in LARWQCB letters dated 2 June 2015 and 10 November 2015. The SRGs are considered to be protective of both human health and groundwater. Your prompt review and written approval of this SMP is appreciated.

Should you have any questions or require additional information regarding this SMP, please contact the undersigned at your convenience.

Sincerely yours,
HALEY & ALDRICH, INC.

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Enclosures

c: United Technologies Corporation; Attn: Mr. David Curnock, Remediation Manager

This document contains no data that is subject to ITAR or EAR.

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List of Abbreviations and Acronyms

µg/L	micrograms per liter
AMSL	above mean sea level
bgs	below ground surface
Boeing	The Boeing Company
BMP	best management practices
1,1-DCE	1,1-dichloroethylene;
(1,2-DCE)	Cis-1,2-dichloroethylene
COPC	Chemical of potential concern
CT	Carbon tetrachloride
EISB	enhanced in-situ bioremediation
ELUC	Environmental Land Use Covenant
EPA	United States Environmental Protection Agency
ESA	environmental site assessment
ET	environmental target
GPLs	groundwater protection levels
Haley & Aldrich	Haley & Aldrich, Inc.
HHRA	Human Health Risk Assessment
HHSE	Human-Health Screening Evaluation
HRC-A	Regenesis' HRC Advanced™
LARWQCB	Los Angeles Regional Water Quality Control Board
MCL	Maximum Contaminant Level
NFA	No Further Action
NPDES	National Pollutant Discharge Elimination System
OEHHA	Office of Environmental Health Hazard Assessment
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCE	tetrachloroethylene
PID	photoionization detector
ppmv	parts per million by volume
SCAQMD	South Coast Air Quality Management District
SDDEH	County of San Diego Department of Environmental Health

List of Abbreviations and Acronyms (cont'd)

Site	UTC Canoga Avenue Facility; Formerly Pratt & Whitney Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California SMP Soil Management Plan
SPLP	Synthetic Precipitation Leaching Procedure
SRGs	soil remediation goals
SVOC	semi-volatile organic compound
SWPPP	Storm Water Pollution Prevention Plan
TCE	trichloroethylene
TPH	total petroleum hydrocarbons
UST	underground storage tank
UTC	United Technologies Corporation
VOCs	volatile organic compounds
WDR	Waste Discharge Requirements

1. Introduction

This Soil Management Plan (SMP) describes the assessment and remediation program for vadose zone soils at United Technologies Corporation's (UTC's) former Pratt & Whitney-Rocketdyne Canoga Avenue Facility located at 6633 Canoga Avenue, Canoga Park, California ([Site]: Figure 1). This SMP will be implemented as the Site's existing buildings, foundation slabs, and surface pavement are removed during demolition and provides the framework for soil management practices after the demolition has been completed.

A draft SMP was submitted to the Los Angeles Regional Water Quality Control Board (LARWQCB) on 2 October 2014 and a revised SMP was submitted to the LARWQCB on 20 August 2015. Initial comments on the draft SMP were provided by the LARWQCB and the California Office of Environmental Health Hazard Assessment (OEHHA) on 22 January 2015, and separate responses were provided to OEHHA on 18 March 2015 and to the LARWQCB on 25 March 2015. The LARWQCB and OEHHA provided responses on 2 June 2015 to the 18 and 25 March 2015 response to comments letters. A scope of work letter titled "Scope of Work for Additional Soil Sampling, SPLP, and Physical Parameters Analysis for Development of Soil Remediation Goals" dated 15 June 2015 was prepared and submitted to the LARWQCB to address the 2 June 2015 LARWQCB and OEHHA responses. As requested by the LARWQCB and OEHHA, this SMP incorporates that additional data collected from implementation of the 15 June 2015 Scope of Work and is responsive to the comments provided by the LARWQCB and OEHHA, including the LARWQCB comments dated 10 November 2015 on the 20 August 2015 revised SMP. Copies of the LARWQCB and OEHHA comments and UTC's responses are presented in Appendix A.

1.1 SITE HISTORY

The Site occupies approximately 47 acres and contains a former manufacturing facility that had operated since the mid-1950s until March 2014 (Figure 2). The Site was previously owned by The United States Air Force, Rockwell International, the Boeing Company (Boeing), and by UTC since 2005. The Site currently includes the main manufacturing and office building (B001) and numerous smaller peripheral buildings. The historical Boeing complex included additional adjacent properties that were remediated and divested by Boeing prior to the Pratt & Whitney (a UTC subsidiary) acquisition in August 2005. Those previously divested properties were remediated and redeveloped under LARWQCB oversight and are not a part of the Site. Historical Site investigation activities began in 1984 and included soil sampling in and around the main manufacturing building (Building 001), soil gas surveys both on- and off-Site, and groundwater characterization activities. The former B038 site in the northwest corner was remediated by UTC/Pratt& Whitney during September and October 2007 as discussed below.

Building 038, previously located in the northwest portion of the Site, was demolished in 2005 and impacted soil remediated in 2007 in accordance with the "Soil Remedial Action Plan" (Haley & Aldrich, 2006a) approved by LARWQCB. Based on confirmation sampling results after removing soil impacted with volatile organic compounds (VOCs) and metals, and preparation of a post-remediation human health risk assessment (HHRA), the LARWQCB granted soil closure for the Building 038 area parcel in 2010. Although previously addressed, the Site definition conservatively includes the Building 038 area along with the remainder of the property owned by UTC (Figure 2).

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1.2 ASSESSMENT/REMEDIATION ACTIVITIES DURING FUTURE SITE DEMOLITION

The soil assessment and remediation program will be conducted concurrently with demolition activities or after their completion. This SMP defines the soil monitoring and screening process during demolition, soil impact assessment, and procedures to remediate impacted soil from the ground surface to the capillary fringe (15 to 18 feet below ground surface [bgs], hereafter referred to as the vadose zone) based on Site-specific soil remediation goals (SRGs) developed for the Site, as summarized in Section 3.

1.3 PURPOSE AND OBJECTIVES

The purpose of this SMP is to provide a functional framework or process for soil assessment, remediation, and removal confirmation actions to be undertaken. The LARWQCB's approval of the processes or procedures herein eliminates the need to review and approve multiple soil remediation work plans and allows the rapid identification and remediation of known and newly discovered vadose zone impacts as Site demolition, soil remediation and redevelopment preparation activities occur.

The objectives of this assessment and remediation program are to:

- Monitor exposed soil conditions for previously unidentified vadose zone impacts as building floor slabs, foundation footings, underground utilities, subsurface structures, and pavement are removed;
- Identify and characterize impacts to determine if soil remediation is required based on the SRGs that are protective of human health and groundwater quality;
- Mitigate vadose zone impacts, when necessary;
- Assess potential impacts in areas where prior direct access to specific features was limited if results of nearby samples were above Site-specific cleanup goals; and
- Document post-demolition conditions, including field monitoring results, assessment of any additional soil impacts discovered, as well as the remediation of newly identified and/or previously known impacts.

2. Background Information

Relevant background information to this SMP includes the Site's location and history, hydrogeologic conditions, previous investigations, the current demolition schedule, and proposed future land use.

2.1 FACILITY LOCATION AND DESCRIPTION

The Site is located at 6633 Canoga Avenue, in Canoga Park, California (Figure 1). It is bounded by Canoga Avenue on the east, Owensmouth Avenue on the west, Vanowen Street on the north, and Victory Boulevard on the south. Since its development in the mid-1950s, the Site has been used to manufacture rocket engines and related systems. Site activities have included metal machining, cleaning/degreasing, plating, and engine assembly.

The Site is shown on the United States Geological Survey, 7.5 minute series topographic map of the Canoga Park Quadrangle (1952, photo revised in 1967; Figure 1). Physiographically, the Site lies on an alluvial plain surface that gently slopes to the northeast at approximately 0.007 foot per foot towards the Los Angeles River, located approximately 500 feet north of the Site. The Site's elevation ranges from approximately 801 feet above mean sea level (AMSL) in the southwest corner to 789 feet AMSL in the northeast corner (Figure 1).

2.2 HYDROGEOLOGY

The Site is located within the Transverse Ranges physiographic province of California in the southeastern portion of the Ventura Basin (Jennings and Troxel, 1954). Sediments within the basin consist of Recent Alluvium deposited within the drainage system of the Upper Los Angeles River. Based on soil cores collected during Site investigations, the thickness of the alluvium beneath the Site is estimated to vary from approximately 71 feet on its southwest portion to at least 105 feet in the northeast corner.

Vadose zone and water-bearing sediments beneath the Site consist of interbedded sands, silts, and clays of the Recent Alluvial deposits. The vadose zone typically extends to approximately 15 to 18 feet bgs and consists of low permeability silty clays, sandy clays, sandy silts, clayey silts, and silty fine sands.

Based on interpretation of soil cores and cone penetration test logs, four groundwater units have been defined within the saturated zone of the alluvial sediments beneath the Site. These four groundwater units have been named from shallowest to deepest as follows: First Groundwater Zone, Upper Sand Zone, Intermediate Sand Zone and Deep Sand Zone and are typically present as braided-stream channel deposits that are not laterally continuous.

2.3 GROUNDWATER USE

Groundwater production for municipal use in the San Fernando Valley primarily occurs from the alluvial basin-fill sediments (Fluor Daniel-GTI, 1998) although not in the Site area. The major extraction well fields are located in the east and southeast portions of the valley and are greater than 10 miles from the Site. The closest potentially active wells are located within the Reseda well field, approximately 3 miles east of the Site; however, this well field has not been used (except for short periods of pumping during droughts) since 1968.

2.4 GROUNDWATER ASSESSMENT AND REMEDIATION

Groundwater monitoring activities have been conducted at the Site since 1984 and remediation of the First Groundwater and Upper Sand Zone was conducted via a pump and treat system from 1991 to 1998. The pump and treat system included nine First Groundwater and Upper Sand Zone extraction wells located along the north and east portions of the former Site boundaries to remove VOC impacted groundwater from the First Groundwater and Upper Sand Zones and act as a hydraulic barrier to off-site migration of contaminants. From 1991 to 1998 approximately 547,000,000 gallons of water were extracted, treated using activated carbon and discharged under an NPDES permit. In 1998 the LARWQCB approved shut down of the hydraulic barrier pump and treat system indicating that active groundwater remediation was no longer necessary for the First Zone and the Upper Sand Zone based on the reduction in overall concentrations and the documented trends showing stable to decreasing concentrations of COPCs in these two zones in their letters dated 2 April 1998 and 29 March 2005 (LARWQCB, 1998 and 2005a).

Since UTC acquired the Site in 2005, groundwater conditions were further investigated on a Site-wide basis. Results of the initial 2005 and 2006 investigation are summarized in the "Report on Site-Wide Groundwater Assessment" by Haley and Aldrich, dated 18 October 2006 (Haley & Aldrich, 2006c). Additional groundwater investigations were conducted in 2010 to assist with delineating the extent of on-Site impacts (Haley & Aldrich 2010a and 2010b). The samples collected and analyzed were predominantly from within the Intermediate and Deep Sand groundwater zones. Based on investigation results, groundwater is impacted with chlorinated VOCs, primarily:

- Trichloroethylene (TCE);
- Tetrachloroethylene (PCE);
- Cis-1,2-dichloroethylene (1,2-DCE);
- 1,1-dichloroethylene (1,1-DCE); and
- Carbon tetrachloride (CT).

A groundwater remediation pilot study was conducted by UTC to evaluate the feasibility of using a bioamendment (Regenesis' HRC Advanced™ or HRC-A) to bioremediate chlorinated VOCs in groundwater beneath the Site. The HRC-A compound was injected in the Intermediate Sand Zone and the Deep Sand Zone in October 2009 in accordance with the pilot test work plan dated 23 March 2009 (Haley & Aldrich, 2009) and approved by the LARWQCB in their letter dated 21 April 2009.

Based on the findings of the pilot test, a "Groundwater Remedial Action Plan" (Haley & Aldrich, 2010c) was submitted to the LARWQCB and approved in their letter dated 30 November 2010 which included limited groundwater extraction and treatment and bioamendment injection to address groundwater conditions on site. Groundwater extraction and treatment was initiated in January 2012. An HRC-A injection program was implemented between May and June 2012 and summarized in the "Remedial Action Completion Report for In-situ Injection of Bioremediation Amendment" dated 15 August 2012 (Haley & Aldrich, 2012). Groundwater monitoring is conducted semi-annually at the Site.

Groundwater monitoring results indicate that enhanced in-situ bioremediation (EISB) was successful in substantially reducing concentrations of VOCs in groundwater at areas injected as well as down gradient

over time. However, the data collected and evaluated indicate that the previously injected amendment was consumed and although concentrations of VOCs were significantly reduced supplemental injection of amendment is needed to reduce total concentrations of VOCs to a benchmark level less than 100 micrograms per liter (µg/L). A Supplemental Groundwater Remediation Work Plan (Haley & Aldrich, 2015a) was submitted and approved by the LARWQCB (LARWQCB, 2015b) to perform additional EISB to further remediate VOCs in groundwater bearing zones, particularly the Intermediate and Deep Sand Zone, and locally in the Upper Sand Zone near the suspected source area. Additional groundwater injection and monitoring wells were installed in April and May 2015 (Haley & Aldrich, 2015f) and a Waste Discharge Requirements (WDR) application was submitted to the LARWQCB in June 2015 (Haley & Aldrich, 2015d). The supplemental injection may be implemented in three events over the next several years as outlined in the Supplemental Groundwater Remediation work plan. The initial supplemental injection started on 5 October 2015.

2.5 PREVIOUS SURFACE AND VADOSE SOIL INVESTIGATIONS

UTC voluntarily assessed environmental conditions prior to acquiring the Site, which included Phase I environmental site assessments (ESAs) and soil and soil gas investigation activities at selected environmental targets (ETs) or process and chemical storage areas. UTC also performed a human-health screening evaluation (HHSE) for the Site, dated 2007.

2.5.1 Phase I Investigations

The Phase I ESA for Building 001 performed by Haley & Aldrich in 2005 identified 97 ETs in and around Building 001 (Haley & Aldrich, 2005). A Phase I ESA performed by Haley & Aldrich in 2002 identified 24 ETs in and around Buildings 004 and 038 (Haley & Aldrich, 2002). Of these 24 ETs, two were identified at Building 004. ETs identified at Building 038 were addressed during its demolition and remediation, which was completed in 2007 and approved by the LARWQCB in 2010. An additional 28 ETs were added during site reconnaissance and review of historical utility plans from 2006 through 2014. The location of the ETs are shown on Figure 3 and summarized in Table I.

2.5.2 Soil and Soil Gas Investigations

Soil and soil gas investigations were conducted at Buildings 001, 002, 004, 029, 030, 035, 039, and 066 from 2005 through 2010 and in 2014. The soil investigation program consisted of 370 boring locations, including 161 borings in the Building 004/038 area and 209 borings in the perimeter buildings and areas in and around Building 001. Soil gas samples were collected from 209 locations, including 167 borings and 42 soil gas-only locations. Previous Site investigation activities are summarized in the following reports:

- "Site-wide Soil and Soil Gas Investigation Report, Pratt & Whitney-Rocketdyne - Canoga Avenue Facility, 6633 Canoga Avenue and 21600 Vanowen Street Canoga Park, California," dated 22 February 2007 (Haley & Aldrich, 2007a);
- "Additional Investigation of Buildings 001 & 035 and WWTU Area Report, Pratt & Whitney Rocketdyne - Canoga Avenue Facility, 6633 Canoga Avenue - Canoga Park, California," dated 12 December 2008 (Haley & Aldrich, 2008b);

- "Additional Investigation of TCE Impacts in Groundwater and Potential Source Area on the North Side of Building 001; Pratt & Whitney Rocketdyne – Canoga Avenue Facility, 6633 Canoga Avenue - Canoga Park, California," dated 23 February 2010 (Haley & Aldrich, 2010a);
- "Additional Investigation of Trichloroethene Impacts in Groundwater and Potential Source Area Inside North End of Building 001 and Helium Shed, Pratt & Whitney Rocketdyne, 6633 Canoga Avenue - Canoga Park, California," dated 13 July 2010 (Haley & Aldrich, 2010b);
- "Soil Investigation of Canoga Avenue Facility Building 001 (Former Rocketdyne Facility), United Technologies Corporation, 6633 Canoga Avenue, Canoga Park, California, (SCP No. 0237A, Site ID No. 2040214)" dated 25 August 2014 (Haley & Aldrich, 2014a);
- "Investigation for Verification of Select Historical Soil and Soil Gas Concentrations, Canoga Avenue Facility.(Former Rocketdyne Facility), United Technologies Corporation, 6633 Canoga Avenue, Canoga Park, California, (SCP No. 0237A, Site ID No. 2040214)" dated 26 August 2014 (Haley & Aldrich, 2014b); and
- "Report on Additional Soil Sampling, SPLP, and Physical Parameters Analysis for Development of Soil Remediation Goals, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214," dated 3 August 2015 and included in Appendix B.

2.6 ENVIRONMENTAL TARGETS

One hundred twenty eight ETs were identified based on the investigation findings for Buildings 001, 002, 004, 029, 030, 035, 039, and 066. Of those 128 ETs, 67 ETs were previously investigated using soil or soil gas matrix sampling. The remaining 61 ETs not previously investigated were evaluated and ranked according to their anticipated potential to have chemical impacts. ETs are summarized in Table I and shown on Figure 3.

2.6.1 Previously Inaccessible ETs

Five ETs were previously inaccessible and include:

- Sea World plating area (ET 56);
- Area 1 Dip Tanks (ET 6);
- Wastewater Metal Treatment Facility (ET 15);
- Hazardous Waste Storage Area (ET 86); and
- Clarifier in Area 1 (ET 8).

2.6.2 ETs with Known Impacts

Eleven ETs have soil analytical results that exceed the soil SRGs developed for the Site as shown in Figure 4A through 4F (see Section 3 for discussion of the SRG derivation). Mitigation needs of elevated soil gas concentrations will be re-assessed during the post-remediation HHRA process. If warranted, areas with soil gas concentrations exceeding cleanup goals will be addressed by means of engineering and/or institutional controls through an Environmental Land Use Covenant (ELUC) to be approved by the LARWQCB. Only remediation of elevated vadose zone soil matrix impacts is addressed in this SMP.

Known soil impact areas are summarized in Table II and shown on Figure 4A. Figures 4B through 4F illustrate the existing analytical data associated with each known impact and the surrounding area. The soil impacts include:

- Vault identified as B-13 Oil Sump southwest of Building 043 (ET 80, Figure 4B);
- Stained Machine Pad in Building 001 (ET112, Figure 4C);
- Preset Area Former Machine Pads with Staining in Building 001 (ET 111, Figure 4C);
- Stained Machine Pad in Building 001 (ET 114, Figure 4C);
- Former PCE Vapor Degreaser in Building 001 (ET 5, Figure 4C);
- Green Stained Concrete in Building 001 (ET 106, Figure 4D);
- Wastewater Metal Treatment Facility south of Building 001 (ET15, Figure 4D);
- Vault inside Building 001 near column M-26 (ET 13, Figure 4E);
- Former UST B-1A north of Building 035 (ET 94, Figure 4E);
- Former Chemical Storage Area in Building 035 (ET 17, Figure 4E); and
- Minor Soil Stain in Former Building 038 (ET 126, Figure 4F).

2.6.3 Other Areas

2.6.3.1 ETs Not Previously Investigated

Those ETs not investigated will continue to be tracked and observed during removal of slabs according to the assessment protocols in Section 4 and as shown on Figures 5A and 5B.

2.6.3.2 Utilities and Linear Features

Utilities and linear features, such as trenches and pipelines, will be identified based on available facility information and observed during their removal in accordance with the assessment procedures in Section 4.

2.6.3.3 Underground Storage Tanks

All known underground storage tanks (USTs) have been removed and are summarized in the "Former UST Closure Report, USTs A-1, A-3, B-3, and B-3A, Rocketdyne-Canoga Avenue Facility, Canoga Park California," (Haley & Aldrich, 2006b), and "UST Summary Report, The Boeing Company, Canoga Avenue Facility, Canoga Park, California," (Haley & Aldrich, 2004).

2.7 DEMOLITION PROGRAM

For soil remediation activities to commence pursuant to the SMP, and for areas of potential unknown impact areas to be characterized and remediated, demolition of the building and other existing structures on the site will be required. Impacted soils, concrete and other materials are located beneath the building and therefore can only be accessed after the removal of the structures and the concrete floor slabs. It is likely that underground infrastructure, such as caissons, vaults, utilities, pipelines and conduits may be encountered during demolition and remediation activities. Inert or non-impacted

infrastructure will be removed or appropriately abandoned in place. However, underground infrastructure identified as being in areas that are determined to be impacted will be treated accordingly. The necessary demolition of existing on-site structures will be permitted through the City of Los Angeles Department of Building and Safety.

Demolition activities will start with interior (soft) demolition and selected material salvage, followed by structural (hard) demolition, of the above grade structure. Abatement of hazardous materials, such as asbestos containing material, lead based paint, and universal waste, will be performed prior to implementation of the SMP.

Interior demolition would include the removal of remaining equipment, plumbing, electrical, and large interior features. Reasonable efforts will be made to recycle or otherwise reuse materials, as feasible. Structural demolition would include removal of above-ground structures followed by concrete floor slabs. The removal of some deep footings, deep subsurface structures, surface paving, and underground utilities that are not found to be associated with impacted soils may not occur until the Site is redeveloped. Some features with known or likely soils impacts such as degreasers pits and oils sumps will be completely removed and confirmation testing performed beneath them. Underground structures that are not found to be impacted will be cut off approximately 2 feet below grade and left in place for removal during future excavation.

Due to the extent of suspected/known impacts to the concrete slabs, identification of impacted concrete will need to occur so that impacted and non-impacted material can be segregated. Typical excavation depths are not anticipated to extend beyond 18 feet bgs.

Abatement preparation activities commenced in mid-2015, and the majority of interior salvage activities are anticipated to begin in late 2015. Material salvage activities would continue throughout the structural demolition period, which is anticipated to commence and be completed in 2016.

3. Soil Remediation Goals

Site-specific SRGs were developed for soil; as indicated in Section 2.6.2, only SRGs for soil are applicable to this SMP.

The SRGs for soil were selected as the lower of the following two levels:

1) Health protection levels derived for the Site in the HHRA (Appendix C), after application of updated guidance to the 2007 LARWQCB-approved human health risk assessment methodology, incorporation of the in-place sample data collected through August 2014, and incorporation of revisions that addressed LARWQCB and OEHHA comments provided on 22 January 2015 and 2 June 2015; or
2) Site-specific groundwater protection levels (GPLs) derived following the LARWQCB-approved methodology described in the 25 March 2015 response to LARWQCB comments and the 15 June 2015 Scope of Work letter.

Thus, the SRGs are protective of both human health and groundwater quality. The health protection levels include concentration thresholds established for vadose zone soil. The groundwater protection levels were derived for vadose zone soil. Since groundwater is relatively shallow, at depths of approximately 16 to 19 feet bgs, and Site redevelopment activities may disturb soil zones from the ground surface to groundwater, the SRGs will be applied to soils within the entire vadose zone. A general description of how the health and the groundwater protection levels were derived is presented below.

3.1 PROTECTION OF HUMAN HEALTH

The health protection levels were developed using updated guidance to the LARWQCB-approved HHRA methodology for the Site and incorporation of revisions that addressed LARWQCB and OEHHA comments provided on 22 January 2015 and 2 June 2015, under the same on-Site unrestricted redevelopment scenario (i.e., future residential use) presented in the 2007 HHSE. The HHRA, including a summary of the health protection level derivation is presented in Appendix C.

The HHRA methodology was used to estimate human health risks associated with potential exposure to on-Site chemicals. The environmental sample data used in the HHRA included the analytical results for both soil and soil gas samples collected through June 2015. Chemicals evaluated in the HHRA included:

- Organic chemicals reported above laboratory detection limits in one or more soil and/or soil gas samples; and
- Inorganic chemicals (metals) reported at concentrations greater than Site-specific background concentration thresholds.

The receptors evaluated in the HHRA included a future on-Site construction worker and a future on-Site resident.

Health protection levels were derived such that the post-remediation human health risks would be within acceptable risk levels. The acceptable cumulative incremental cancer risk for the future on-Site construction worker is equal to or less than $1x10^{-5}$; the acceptable total hazard index is equal to or less than 1.0. The acceptable cumulative incremental cancer risk for the future on-Site resident is equal to or less than $1x10^{-6}$; the acceptable total hazard index is equal to or less than 1.0. Health protection levels were derived for chemicals that contributed significantly to the overall estimated health risks associated with potential exposures to soil and soil gas:

- Organic chemicals: TCE; PCE, 1,1-dichloroethane, polychlorinated biphenyls (PCBs), bis(2-ethylhexyl)phthalate, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, 1,3,5,-trimethylbenzene, benzene, cis-1,2-dichloroethene, ethyl benzene, toluene, xylenes, and naphthalene; and
- Metals: antimony, cobalt, copper, and nickel.

Mitigation needs for elevated soil gas concentrations will be re-assessed during the post-remediation HHRA process. If warranted, areas exceeding cleanup goals would be addressed by means of engineering and/or institutional controls (e.g., installation of vapor mitigation systems beneath on-Site buildings) through an ELUC to be approvedby the LARWQCB. Only remediation of elevated soil matrix impacts is addressed in this SMP.

3.2 GROUNDWATER PROTECTION

GPLs were derived for select chemicals of potential concern (COPCs) at the Site, which included each chemical detected in soil samples at the Site at a frequency of equal or greater than 1 percent. The COPCs that met this criterion included twelve VOCs, bis(2-ethylhexyl) phthalate, PCBs, and hexavalent chromium, in addition to total petroleum hydrocarbon (TPH) mixtures. The chemical-specific GPL was derived to be protective of a chemical-specific water quality objective, identified as the California Maximum Contaminant Level (MCL) (i.e., the promulgated California Drinking Water Standard), or for COPCs with no MCL, the June 2015 United States Environmental Protection Agency (EPA) risk-based Regional Screening Levels for tap water.

Chemical-specific GPLs were derived for the COPCs, except TPH mixtures, using a multiple evaluation step approach initially based on the methodology published on pages 5-65 through 5-67 of Section 5.IX of the County of San Diego Department of Environmental Health (SDDEH) Site Assessment and Mitigation Manual. This method requires that soil samples be analyzed for their total COPC concentration and their soluble concentrations using the Synthetic Precipitation Leaching Procedure (SPLP), EPA Method 1312. For chemicals with insufficient data to use the SDDEH method, the chemical-specific GPL was derived using a soil partition equation or the methodology presented in the LARWQCB May 1996 guidance titled “Interim Site Assessment & Cleanup Guidebook” (May 1996 Guidebook) , The GPLs for TPH mixtures were also derived using the May 1996 Guidebook.

A more detailed description of the derivation of the Site-specific GPLs is presented in Appendix D.

3.3 INCORPORATING SRGS IN ASSESSMENT AND REMEDIATION ACTIVITIES

The SRGs used to identify the areas requiring remediation are listed in Table III; the locations where previous soil sample results exceed the SRGs are shown on Figures 4A through 4F. Eleven areas have been identified that exceed SRGs based on a comparison of the analytical results for soil samples collected to date with the updated Site-wide HHRA and GPL evaluation presented herein (Appendices C and D, respectively). It is proposed that these 11 areas be further assessed following procedures in this SMP (Section 4.3). Additional impacts, if any, discovered during field monitoring will also be evaluated against the SRGs (Section 4.5.3). If appropriate, delineated soil impacts will typically be remediated by soil excavation and off-Site disposal. Note that revisions may be made to the SRGs as long as the results of the post-remediation HHRA meet the acceptable risk thresholds and the revised SRGs are protective of groundwater quality.

4. Assessment

Areas with limited access during previous investigations will be assessed and known impacts and any potential new impacts discovered during pavement and foundation removal will be characterized. The condition of uncovered soil will be visually observed and screened with a photoionization detector (PID) during the removal of floor slabs, surface paving, footings, pits, sumps, and subsurface utilities. Soil samples will also be collected for suspected chemicals of potential concern COPCs. Assessment and related procedures are described below.

4.1 DATA LOCATION AND MAPPING

The data gathered during the assessment and remediation program will be referenced to a Site-wide grid. Horizontally, the grid lines will be based on the California Coordinate System, Zone 5, North American Datum of 1983, adjusted in 1995. Vertically, the elevations will be based on the National Aerodetic Vertical Datum of 1988. The Site will be divided into an alpha-numeric grid of 100 feet by 100 feet for location purposes (Figure 4A). Grid nodes will have a pair of State Plane Coordinates (x, y-values).

Data point locations and elevations, excavations, and other Site features will be determined during demolition and/or remediation using surveying equipment. After building removal, the field team will use hand-held global positioning system receivers to locate grid nodes and assessment screening or sample locations. Vertical control will be achieved using a laser level tied into a local survey control point with a known elevation.

4.2 PREVIOUSLY INACCESSIBLE ETS

Soil samples in previously inaccessible ET areas will be collected when access is available and if deemed necessary based on field observations and screening. Initial confirmation and/or step out samples (when the analytical results of initial samples exceed SRGs) will be collected using direct-push or hand-augering techniques. Soil samples will be collected in accordance with procedures implemented during previous on-Site investigation activities (Haley & Aldrich, 2007a) and standard operating procedures.

The number of soil samples collected and the analyses performed will be based on field observations and previous operational history. At a minimum, however, it is anticipated that at least one soil sample will be collected for chemical analysis based on known or suspected COPCs. The appropriate laboratory analyses will be assigned in accordance with Section 4.5.3.1.

4.3 ETS WITH KNOWN IMPACTS

Known impact areas have been assigned identification numbers (SI-001 through SI-011 as shown on Figure 4A) and will be further characterized to estimate their lateral and vertical extent using data from additional soil samples, direct-push or hand-auger borings, adjacent borings (including previous soil investigation results from earlier investigation borings) and/or by extrapolating decreasing concentration trends. The lateral extent of soil impacts will be considered delineated by soil sample analytical results from various depths that are less than the SRG for the specific chemicals present collected as part of confirmation sampling (see Section 5.5), or in limited circumstances (if any) by solid

subsurface barriers such as deep foundations or pits that clearly prevented migration. Vertically, vadose soil impacts will be considered delineated when the analytical results of samples collected show vertical attenuation and the concentration of any COPC in the bottom sample is below the respective SRG, or the capillary fringe is encountered. Analytical methods are listed in Section 4.5.3.1.

4.4 USTS

If a previously unknown UST is discovered, potential impacts will be assessed after removal in accordance with applicable regulations and the UST will be closed under local regulatory oversight.

For former 2,000-gallon diesel UST A-5a, located on the west side of Building 001, the related piping that was drained, purged, capped and left in place will be traced south to the boiler room and observations will made as it is removed to evaluate the potential for soil impacts from the pipes. If evidence of impacts is observed, soil samples will be collected and assigned laboratory analyses in accordance with applicable COPCs in Section 4.5.3.1.

4.5 ETS NOT PREVIOUSLY INVESTIGATED AND OTHER AREAS

ETs not previously investigated and remaining areas will be assessed as slabs, footings, and surface pavement are removed leaving uncovered soil. The monitoring and assessment of these areas is presented in the following sections.

4.5.1 Field Monitoring

Once the soil has been exposed, it will be monitored for indications of potential environmental impacts, including the following:

- Stained or discolored soils;
- Wet or saturated soils;
- Odors in ambient air; and
- Other previously unknown subsurface features, such as “wet” subsurface utilities, sumps, or other features indicative of past chemical use.

In the context of this SMP, odors are defined as those noted in ambient air when impacted soil is first exposed or otherwise disturbed during pavement and/or slab removal.

4.5.2 Screening

Based on visual monitoring, “grab” soil samples may be collected at selected locations for headspace screening for VOCs using a calibrated PID. Specifically, soil samples for headspace screening will be collected in potentially impacted areas and at other, randomly-selected locations. The PID readings, date, time, and soil sample locations will be recorded.

Headspace PID readings that are elevated above those of non-impacted grab soil samples collected at the Site will be considered indicative of a potential VOC or TPH impact. Further field screening with devises such as Draeger Tubes may be conducted to confirm the presence of COPCs.

To comply with South Coast Air Quality Management District (SCAQMD) Rule 1166, a PID reading of 50 parts per million by volume (ppmv) when measured 3 inches from the soil surface triggers prescribed soil management procedures. Management of impacted soils as defined by Rule 1166 is discussed in Section 5.3. The PIDs will be calibrated daily using hexane to be consistent with Rule 1166 requirements.

4.5.3 Impact Assessment

Areas with field indications of possible vadose zone soil contamination will be considered "potential impacts." Specifically, potential impacts will be identified as areas with visual indications of a possible impact, olfactory indications (odors), and/or elevated headspace PID readings when compared to non-impacted soils. Potential vadose zone impacts will be assigned a unique identification number (e.g. SI-XXX), the location mapped, and further evaluated as described below or excavated and stockpiled as described in Section 5.

4.5.3.1 Initial Confirmation

To confirm potential soil impacts identified during field monitoring and screening, existing soil analytical data, if any, for nearby areas will be reviewed and one or more soil samples will be collected for chemical analysis.

At a minimum, however, it is anticipated that at least one soil sample will be collected for chemical analysis at or near the center of the suspected impact, ideally representative of the "worst case" condition. Soil samples will be collected in accordance with procedures implemented during previous on-Site investigation activities (Haley & Aldrich, 2007a) and analyzed by an appropriate State-certified laboratory using appropriate methods based on the parameters to be analyzed, as shown in Figure 6, including:

- TPH-cc total carbon chain: EPA Method 8015;
- VOCs: EPA Methods 5035A/8260B;
- Semi-Volatile Organic Compounds (SVOCs): EPA Methods 8270/8270C;
- Polynuclear Aromatic Hydrocarbons (PAHs): EPA Method 8310;
- PCBs and Pesticides: EPA Method 8080;
- Hexavalent chromium: EPA Method 7199; and
- Title 22 Metals: Either EPA Method 6010B, 7470, 7471A, or equivalent.

Soil samples collected for VOC analysis will be collected in the field in accordance with EPA Method 5035. When collecting soil samples to be analyzed for TPH, an additional soil sample will be collected using EPA Method 5035 for VOC analysis, should VOC analysis be required. Method detection limits and reporting limits will be in accordance with the EPA methods and be appropriate so results can be compared to the SRGs in Table III.

With some discretion, this potential impact confirmation process may be omitted if a decision is made to directly remove and stockpile or containerize the soil for profiling in accordance with Section 5, followed by post removal confirmation soil sampling at the limits of the excavation (Section 5.5).

4.5.3.2 Impact Characterization

When a new impact has been identified it will be characterized to assess its lateral and vertical extent and whether detected concentrations are greater than SRGs (see Section 4.6). Specifically, soil matrix samples for chemical analysis may be collected via grab sampling, hand-augering, and/or direct-push borings. Because the surface structures, floor slabs, and surface paving will have been removed at this stage, alternate investigation methods may also be available. These include sampling from test pits, test trenches, or excavations.

Laboratory analytical results will be evaluated and compared to SRGs (Section 3). An impact will be considered adequately characterized if the lateral and vertical extent of the impacted zone can be delineated based on data from sidewall and bottom samples or adjacent borings (including previous soil investigation and earlier borings) and/or by extrapolating decreasing concentration trends, such that the trend supports delineation of concentrations.

During the course of a delineation investigation, particularly if test pits or trenches are used, it may become apparent that a confirmed impact is very limited in extent. In such instances, the impact may simply be removed in its entirety, thereby bypassing the delineation stage. If a confirmed impact is removed under this circumstance, one or more confirmation soil samples (Section 5.5) will be collected from the floor and/or walls of the excavation for verification. The impacted soil removed from the excavation will also be stockpiled or containerized in accordance with the procedures described in Section 5.6 for subsequent waste profiling.

Investigation derived waste is expected to include used personal protective equipment, hand-auger cuttings, and soil excavated from test pits and test trenches. Used personal protective equipment will be containerized in 55-gallon drums and managed as non-hazardous waste. Soil excavated from exploratory excavations will be stockpiled on-Site and soil sample results will be compared to SRGs and hazardous waste criteria (See Section 4.6). Stockpiling protocols are described in Section 5.6.

4.6 APPLICATION OF SRGS

Chemical data will be generated during demolition monitoring, impact delineation, remedial excavation and confirmation, and stockpiled/containerized soil characterization. After receipt of the analytical data, reported chemical concentrations will be compared with those identified in the table of SRGs (Table III).

For each impact area, decisions will be made based on the following observations:

Observation	**Decision**
No new chemicals and all chemicals equal to or less than SRGs.	No remediation (concentrations are considered protective of human health and groundwater quality).
One or more chemical concentrations greater than SRGs.	Remediate to SRGs.
One or more previously undetected chemicals detected.	Notify risk assessment team to evaluate if concentration(s) of new chemical(s) warrant remediation.

For each on-Site stockpile or container characterization sample (in-situ and ex-situ results) comparison, one of the following four decisions will be made:

Observation	**Decision**
No new chemicals and all chemicals equal to or less than SRGs.	Soil may remain on-Site (concentrations are considered protective of human health and groundwater quality).
One or more chemical concentrations greater than SRGs.	Dispose of off-Site.
One or more previously undetected chemicals detected.	Notify risk assessment team to evaluate if concentration(s) of new chemical(s) may remain on-Site.

5. Remediation

Soil remediation at the Site will be limited to vadose zone soil that contains chemicals that exceed the SRGs identified in this SMP or revised SRGs, when necessary. Revisions may be made to the SRGs as long as the results of the post-remediation HHRA meet the acceptable risk thresholds and the revised SRGs are protective of groundwater quality. The preferred remedy will be excavation followed by stockpiling or direct-loading, waste profiling, and off-Site disposal or recycling. If excavation is not practical or feasible for some circumstances, other remedial measures may be employed including but not limited to engineering and institutional controls. The 11 locations of known COPC concentrations above SRGs (Table II and Figures 4A through 4F) will be assessed during the demolition process (Section 4.3). Additional impacts above SRGs may be encountered and will be confirmed following the procedures in this SMP (Section 4.5.3). If appropriate, these impacts would then be removed as part of the assessment and remediation program.

5.1 PRE-EXCAVATION DELINEATION

Completion of the delineation of these known impacts may be conducted as part of impact characterization. In some cases, delineation of the limits of impacts can be achieved by in-situ sampling such that post-excavation confirmation soil sampling is unnecessary where soils are removed up to the pre-excavation sampling locations and observations show no signs of remaining impacts.

5.2 SUBSURFACE UTILITY REVIEW

Excavations to remove potential or confirmed impacts will be preceded by a review of subsurface utility information with the prime demolition contractor. If necessary, the active utility locations that require protection will be verified using geophysical, or other utility locating techniques, and staked in the field.

5.3 SCAQMD RULE 1166

Waste materials generated at the Site will be handled according to SCAQMD's Rule 1166, which limits VOC emissions from excavated soil. According to the SCAQMD, VOC-impacted soil is a soil with measured PID reading of 50 ppmv or greater when measured at a distance of up to 3 inches from the soil surface. Rule 1166 requires, in part, that VOC-impacted soils are covered at all times when not being handled, stored in SCAQMD-approved covered containers, or removed from the Site the same day they are generated. The owner or operator must notify the SCAQMD Executive Officer by phone at least 24 hours prior to an excavation likely to involve VOC-containing soil.

5.4 EXCAVATION

The most frequently used method of removing impacted soil will be by open, unshored excavation. However, it is possible that shoring may be required to support vertical-sided excavations adjacent to the Site boundary or in other areas where restrictions preclude sloped excavation walls.

Soil will be continuously screened during excavation for the target chemicals and stockpiled or containerized as appropriate. Screening techniques may include a PID for VOC or TPH impacts, field test equipment for metals, or visual observation. PID screening will include both headspace screening and PID readings in ambient air at a distance of 3 inches from the surface of the soil in the excavator bucket

or in the associated stockpile or container. Headspace analyses will be performed as described in Section 4.5.2. Ambient air PID readings will be obtained in accordance with the requirements of SCAQMD Rule 1166 and used to satisfy the associated monitoring and reporting obligations.

When the screening data indicate that the known impact has likely been removed, excavation (at least in that direction) will be terminated when defined by pre-excavation samples or pending confirmation soil sampling and analysis (Section 5.5).

5.5 CONFIRMATION SAMPLING

Confirmation soil matrix samples will be collected in excavations prior to backfilling unless prior assessment sampling is sufficient to delineate the impact.

Confirmation soil sample locations will be determined based on the site-specific conditions. Specifically, soil matrix confirmation sample locations will be identified by indications of residual contamination in the excavation floor or sidewalls, when observed. Confirmation soil matrix samples will generally be collected as follows:

- One discrete sample for approximately every 400 square feet of excavation surface area, which is equivalent to collecting bottom samples at 20 feet on center; and
- For excavations greater than 4 feet in depth, additional discrete samples will be collected from sidewalls as deemed appropriate.

For deep vertical-walled excavations, it may not be possible to safely collect undisturbed sidewall and bottom samples. In this case, relatively undisturbed sidewall and bottom confirmation samples may, however, be collected from the teeth of a backhoe or excavator bucket.

5.5.1 Confirmation Soil Sample Analyses

Confirmation soil samples will be collected and analyzed for the chemicals that triggered the remedial excavation. Samples collected for VOC analysis will be prepared in the field in accordance with EPA Method 5035. When collecting soil samples to be analyzed for TPH, an additional soil sample will be collected using EPA Method 5035 for VOC analysis. The additional sample will be collected from a location as near as is practical to the location where the TPH soil sample was collected. Analyses methods are listed in Section 4.5.3.1. If there are field indications that other contaminants may be present, additional analyses will be performed as deemed appropriate.

Upon receipt from the analytical laboratory, the confirmation soil sample results will be evaluated as described in Section 4.6. If the SRGs have been achieved, the excavation limits and sample locations will be mapped or surveyed and the area conditionally released for backfill or re-grading, subject to:

- Review of the origin and chemical content of the proposed backfill material as outlined in Section 5.7; and
- Review of the results of any stockpile and/or waste container samples as they may indicate the possible presence of chemicals other than those for which the excavation was targeted.

5.6 MATERIAL SEGREGATION AND STOCKPILE MANAGEMENT

This section outlines procedures to segregate, stockpile, sample, and track the material generated on-Site during remediation excavations.

The following protocols apply to excavated soil that may be impacted by chemicals and, if present, VOCs at levels that do not trigger Rule 1166 special handling.

5.6.1 Material Segregation

Based on available subsurface data and the results of screening tests, material displaying no evidence of impacts (clean overburden) will be segregated from impacted soil and placed in separate stockpiles. Impacted (potential or confirmed) material will be segregated according to the following chemical impacts:

- TPH and aromatic VOCs;
- Chlorinated VOCs;
- PCBs containing materials will not be stockpiled with non-PCB containing materials;
- SVOCs other than PCBs, and PAHs; and
- Metals.

Stockpiles and containers will be composed of spoil from a single source, i.e., from a single remedial excavation. In this way, soil from different excavations will be kept separate, simplifying the characterization process and tracking the disposal of excavated soil. However, space limitations or other circumstances may necessitate the combining of similar soil from different small excavations in a single stockpile or roll-off bin. In such instances, only soil containing the same chemical groups or waste profiles will be combined.

5.6.2 Container and Stockpile Management

Soil will be placed in containers and stockpiles as discussed above and tracked by the consultant to facilitate compliant storage, monitoring, labeling, profiling, and disposal activities.

Stockpiles may be placed directly on relatively impermeable surfaces such as asphalt or concrete, if available. Polyethylene sheeting will be lain down on exposed earth and over stockpiled soils. Each stockpile will also have a perimeter berm constructed around it to minimize the potential for run off during a rain event. The sheeting for stockpiles potentially exposed to precipitation will also be anchored to the berm. Stockpile covers and berms will be maintained until the soil is characterized and either disposed or reused on-Site. To facilitate maintenance, stockpile size will be limited to approximately 400 cubic yards of disturbed (bulked) soil. Containers and stockpiles will be labeled within unique identification numbers.

Stockpiles will be monitored for potential vapor emissions with field PID equipment during generation and storage. If VOC-impacted soils are present (as defined by SCAQMD Rule 1166) the SCAQMD will be notified. Mitigation measures for VOC-impacted soils or soils with nuisance odors include:

- Apply VOC suppression spray-on liquid;
- Maintain or replace polyethylene sheeting over stockpile and continue monitoring;
- Place in sealed roll-off bins; or
- Same day removal from the Site.

5.6.3 Container and Stockpile Sampling and Analysis

Impacted material stockpiles and roll-off bins generated during remediation excavation activities will be sampled for waste profiling. UTC will collect representative material samples, as appropriate, and submit them to the certified analytical laboratory.

5.6.3.1 Container Sampling

The waste receiving facility will determine sampling frequency for profiling; however the following is recommended as a minimum procedure for container sampling:

- For 8- and 20-cubic-yard roll-off bins, collect two discrete soil samples from at or near the centroids of each half of the bin.

5.6.3.2 Stockpile Sampling

The number of stockpile samples will be determined by the waste receiving facility. Typical sampling frequencies are:

- Collect a minimum of two discrete random soil samples from stockpiles 100 cubic yards or less in volume; or
- Collect one additional soil sample per 100 cubic yards of stockpiled material between 100 and 400 cubic yards of soil.

5.7 BACKFILL

Excavations will be available to be backfilled after confirmation sampling verifies that no further excavation is necessary. Backfill material may consist of soils previously excavated from the Site not found to have impacts greater than the SRGs, crushed concrete aggregate from the Site that has been tested and does not have COPCs at concentrations above SRGs, or soils imported from off-Site sources that meet the site-specific import criteria (See Section 5.7.2). Depending on the location and other conditions (minor depth, area, etc.) some excavated areas may not be backfilled. Any excavated area not backfilled will be graded such that no side slope will be steeper than a 1:1 ratio (45 degree angle).

5.7.1 Reuse of On-Site Material

Overburden material from the Site exhibiting indications of impacts or impacted soil from areas where no in-situ data exists may be evaluated for possible on-Site reuse. To assess potential reuse, the maximum concentrations will be evaluated as described in Section 4.6.

5.7.2 Import Soil

This section describes procedures for screening, sampling, evaluating, and documenting import soil for use as backfill at the Site. Only "clean", non-impacted soil is considered acceptable for import to the Site from off-Site sources.

Through background review and sampling and analysis, proposed import soil sources identified by the UTC contractor will be evaluated prior to acceptance, importation, and on-Site placement. The steps of the screening procedures include:

- Source land use review;
- Soil sampling and analysis;
- Acceptance and placement; and
- Documentation.

5.7.2.1 Source Land Use Review

Documentation concerning soil conditions at the proposed import source site will be obtained. Documentation may include published geotechnical or environmental investigation reports, laboratory analysis data, historical photographs, title deeds, or other relevant information to establish prior land use and potential impacts to the soil at this location.

UTC will normally preclude import sources from the following historical land uses:

- Industrial/manufacturing sites;
- Commercial/governmental sites that store or use hazardous materials (e.g. service stations, dry cleaners, military bases);
- Vacant sites with known environmental impacts;
- Roadway or railroad rights-of-way; and
- Any site without historical land use information.

Observations during the import source sampling event (e.g., large areas of staining, odors, exposed USTs, metal or waste within the soil mass) may also reveal potential environmental concerns that would also preclude the import source.

5.7.2.2 Soil Sampling and Analysis

Prior to any soil being delivered to the Site, soil samples will be collected within the designated import soil volume in accordance with the DTSC import soil advisory (DTSC 2001), and using standard chain of custody protocols. Samples will be collected at a frequency of at least one representative sample for each import source, and/or:

- One sample per 250 cubic yards for up to 1,000 cubic yards of stockpiled material;
- Four samples for the first 1,000 cubic yards, plus one sample for every additional 500 cubic yards for stockpiled material between 1,000 and 5,000 cubic yards; or

- Four samples for in-place borrow areas of 2 acres or less. (DTSC, 2001).

Samples will be collected from the exposed surface of the material and at various depths within the soil bank or borrow area using hand-augers or hand-held trowels.

The discrete samples will be analyzed for the following parameters:

- TPH total carbon chain: EPA Method 8015;
- VOCs: EPA Method 5035A/8260B;
- SVOCs: EPA Method 8270/8270C;
- PAHs: EPA Method 8310;
- PCBs and Pesticides: EPA Method 8080;
- Hexavalent chromium: EPA Method 7199; and
- Title 22 Metals: Either EPA Methods 6010B, 7470, 7471A, or equivalent.

Samples will be picked up by or delivered to the contract UTC laboratory the same day the sample are collected.

5.7.2.3 Import Acceptance and Placement

Upon receipt of the complete electronic data results for the potential import source, UTC will evaluate the data with respect to the import soil screening criteria. Table IV summarizes the site-specific import soil criteria for the Site. At a minimum, import soil material from a specific source will not be accepted if the analytical results for any organic or inorganic compound (metals) exceed a criterion listed in Table IV.

If the analytical results and other considerations (land use, geotechnical) meet the established soil import criteria, the soil will be accepted for use as import backfill for the Site. The imported soil will be visually inspected upon delivery. If odorous or discolored material or incompatible debris is observed, the placement of the soil will be stopped and the materials not allowed on the Site.

5.7.2.4 Documentation

The import soil evaluation will be verbally and electronically transmitted to UTC. Following acceptance or rejection of the import backfill, documentation will be performed and include the following:

- Description of location and volume of proposed import soil;
- Description of soil conditions, and current and historical land use based on available reports and field observations;
- Description of sampling activities;
- Evaluation of the proposed import soil based on the import soil criteria; and
- Appended calculations, tables, and certified analytical reports.

Proposed import sources that do not meet the import soil criteria and are rejected will also be documented; however, no formal memorandum will be issued.

5.8 STORM WATER MANAGEMENT

The following sections describe storm water management and surface water protection requirements to be implemented during and after demolition and remediation activities.

5.8.1 BEST MANAGEMENT PRACTICES

Since demolition of buildings and removal of floor slabs and other pavement would require greater than one acre of ground-disturbing activities, a Storm Water Pollution Prevention Plan (SWPPP) will be prepared and the permit obtained prior to beginning any demolition activities in accordance with the National Pollutant Discharge Elimination System (NPDES). The SWPPP incorporates best-management practices (BMPs) in accordance with the City of Los Angeles's Best Management Practices Handbook, Part A Construction Activities, to control erosion, minimize sediment in runoff, and to protect the quality of surface water runoff during the Project's construction period.

Should grading activities occur during the rainy season (October 1st to April 14th), a Wet Weather Erosion Control Plan will be prepared pursuant to the "Manual and Guideline for Temporary and Emergency Erosion Control," adopted by the Los Angeles Board of Public Works.

5.8.2 EROSION AND SEDIMENT CONTROL

An effective combination of erosion and sediment control BMPs will be implemented and maintained during this effort. The following principles will be followed to the maximum extent practicable to control erosion and sedimentation in disturbed areas at the Site:

- Fit grading to the surrounding terrain;
- Schedule investigation and remediation activities to minimize soil exposure. Excavation activities to cease during high probability forecasted significant rain events;
- Vegetate, mulch or otherwise stabilize disturbed areas with gravel, if warranted;
- Minimize the length and steepness of slopes;
- Keep runoff velocities low;
- Prepare drainage pathways and outlets to handle concentrated runoff until permanent drainage structures are constructed;
- Trap sediment onsite;
- Inspect and maintain control measures frequently including before and after rain events;
- Maintain BMP controls at all vehicle ingress and egress points; and
- Maintain BMP controls at all material storage and equipment parking/fueling locations on-Site.

5.8.3 SURFACE WATER PROTECTION

As indicated previously, planned efforts would uncover more than one acre of soil, and thus project excavation and grading activities need to be consistent with the State General Permit for Discharges of Stormwater Associated with Construction Activity (Construction General Permit Order 2009-0009-DWQ, as amended by Order No. 2010-0014-DWQ), including preparation of a SWPPP and obtaining the permit prior to the beginning of any demolition activities. Also, because the project may discharge storm water runoff into the local City storm drain system, which discharges to Waters of the U.S. (the Los Angeles River), project storm water discharges need to be consistent with Order No. R4-2012-0175 (NPDES Permit No. CAS004001). This includes required installation/implementation of post-construction treatment control BMPs meeting Los Angeles County Standard Urban Storm Water Mitigation Plan requirements and 2006 LARWQCB guidelines.

6. Data Validation

A laboratory data validation program will be conducted by Haley & Aldrich for the soil analyses. Each soil sample analyses will be subjected to this process. This validation process includes the review of analytical reports for completeness, transcription errors, sample holding time violations, and the laboratory's Quality Assurance/Quality Control procedures, including method blank, matrix spike, and matrix spike duplicate analyses.

7. Health and Safety

Health and safety meetings will regularly be held with workers associated with the assessment and remediation activities prior to performing work. The workers performing soil assessment, remediation, or stockpile management on the Site will be required to have 40-hour CFR 1910.120, 8 CCR 5192(e), training and receive instruction on the Site's requirements and conditions presented in the Site-specific Health and Safety Plan prior to entering the Site. Visitors that do not have 40-hour CFR 1910.120 training will not be allowed to enter designated on-Site work areas. Workers will be required to be knowledgeable about and comply with the Site-specific Health and Safety Plan.

Designated work areas where assessment and remediation activities are being conducted will be marked and surrounded with caution tape and stakes and/or traffic barricades, and if necessary, additional plastic "snow fencing" to provide temporary safety measures. Open excavations will be surrounded by temporary snow fencing or chain link fence for deep excavations, and reflective barricades when not being actively worked on. In addition excavations will have escape routes.

Typically, excavation sidewalls will be cut back at an approximately 1:1 slope provided the soils are suitable for such side walls slopes. Where lack of space precludes sloping, excavation sidewalls will be cut more vertically and reviewed by an Occupational Safety and Health Administration-trained Competent Person.

8. Report

Assessment, remediation, and removal confirmation activities will be documented in a report summarizing conditions for the entire Site, or portions of the Site, deemed acceptable for a closure evaluation by the LARWQCB. The report will contain, at a minimum, a brief narrative summary of the dates and assessment confirmation and remediation activities conducted and a compilation of the associated data collected during the program. Specifically, the following information will be reported:

- Introductory discussion of the assessment and remediation program and activity dates;
- A summary of field monitoring results, including the number and location of identified impact areas and whether these areas were subject to further characterization and remediation;
- A summary of assessment results, including the number of areas where additional soil sampling was conducted and a description of the soil sample analytical data with respect to information from previous investigations and comparison of soil chemical concentrations to SRGs;
- Excavation, stockpile/container, and impact confirmation sampling results;
- Figures showing surveyed removal areas;
- A summary table of removal volumes, waste types, and final disposition;
- Copies of disposal manifests; and
- A post-remediation HHRA incorporating post-remediation in-place soil sample data and post- or pre-remediation soil gas data to document estimated post-remediation human risks for Site conditions. (The sample data evaluated in the post-remediation HHRA will include only those samples currently located on-Site. For instance, samples obtained from soil that had been excavated will not be included in the HHRA. However, samples obtained from confirmation soil samples and from stockpiled or containerized soil that remains on-Site will be included in the HHRA).

Based on the results of the post-remediation HHRA a recommendation for closure (no further investigation or remediation action) will be made for vadose zone soil and soil gas conditions. Should the post-remediation HHRA identify areas exceeding cleanup goals, if not to be further remediated, those areas may be addressed by means of an ELUC.

9. Schedule

As stated in Section 2.7, interior salvage and abatement activities are expected to begin in late 2015 and continue into 2016. Structural demolition is anticipated to begin in 2016. The associated assessment confirmation and remediation work will be undertaken during and following the building demolition actions. The completion of the above grade demolition (building removal) and the onset of the at grade building demolition actions (i.e. slab, footing and utility line removals) will be a determining factor in scheduling soil remedial actions.

References

1. County of San Diego, Department of Environmental Health, 2011. "Site Assessment and Mitigation Manual," dated 15 August.

2. California Department of Toxic Substances Control, 2001. "Information Advisory, Clean Import Fill Material," dated October 2001.

3. California Regional Water Quality Control Board, Los Angeles Region, 1998. "Groundwater Remediation-Rocketdyne Canoga Park Facility, 6633 Canoga Avenue, Canoga Park, California (File No. 83-08), dated 2 April 1998.

4. California Regional Water Quality Control Board, Los Angeles Region, 2005a. "No Further Action for Soil North of Building 009 and Groundwater Monitoring, Building 009 Area, The Boeing Company, Canoga Avenue Facility, 6620 Canoga Avenue, Canoga Park, California (SLIC No. 0237E, Site ID 2042800 (APN 2148-031-901)," dated 29 March 2005.

5. California Regional Water Quality Control Board, Los Angeles Region, 2005b. "No Further Action for Soil Near Building 009, Building 009 Area, The Boeing Company, Canoga Avenue Facility, 6620 Canoga Avenue, Canoga Park, California (SLIC No. 0237E, Site ID 2042800 (APN 2148-031-901)," dated 19 September 2005.

6. California Regional Water Quality Control Board, Los Angeles Region, 2007. "Comments on Response to Comments Letter Dated May 9, 2007 on The Site Wide Soil and Soil Gas Investigation Report – Pratt & Whitney – Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park (SLIC No. 0237A, Site ID No. 2040214)," dated 17 July 2007.

7. California Regional Water Quality Control Board, Los Angeles Region, 2009. "Approval of Groundwater Remediation Pilot Test Work Plan – Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park (SCP No. 0237A, Site ID No. 2040214)," dated 21 April 2009.

8. California Regional Water Quality Control Board, Los Angeles Region, 2010a. "No Further Action for Building 038 Area Soil (APN 2139-001-003) – Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, Building 038, 21600 Vanowen Street, Canoga Park, California (SCP No. 0237A1, Site ID 2042800)," dated 21 October 2010.

9. California Regional Water Quality Control Board, Los Angeles Region, 2010b. "Approval of Groundwater Remedial Action Plan – Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park (SCP No. 0237A, Site ID No. 2040214)," dated 30 November 2010.

10. California Regional Water Quality Control Board, Los Angeles Region, 2015a. "Comments of Draft Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils, Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, CA, (SCP No. 0237A, Site ID No. 2040214)," dated 22 January 2015.

11. California Regional Water Quality Control Board, Los Angeles Region, 2015b. “Approval of Supplemental Work Plan for Additional Injection of Amendment for In-situ Bioremediation of Groundwater, Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, CA, (SCP No. 0237A, Site ID No. 2040214),” dated 17 April 2015.

12. California Regional Water Quality Control Board, Los Angeles Region, 2015c. “Comments on UTC Response to the Regional Board’s Comments on the Draft Soil Management Plan, Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, CA, (SCP No. 0237A, Site ID No. 2040214),” dated 2 June 2015.

13. California Regional Water Quality Control Board, Los Angeles Region, 2015d. “Comments on Revised Soil Management Plan, Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, CA, (SCP No. 0237A, Site ID No. 2040214),” dated 10 November 2015.

14. Fluor Daniel GTI, 1997. “Soil Sampling Results Drilling Program for Building 001 Canoga Park, California,” 8 April 1997.

15. Fluor Daniel GTI, Inc., 1998. “Summary Report Environmental Characterization of Soil and Groundwater, Rocketdyne Canoga Avenue Facility, Canoga Park, California.” Rocketdyne Propulsion and Power, Space Systems Division, The Boeing Company, 15 July 1998.

16. Haley & Aldrich, Inc., 2002. “ASTM Phase I Environmental Site Assessment, The Boeing Company, Rocketdyne Propulsion & Power, Canoga Avenue Facility, Building 004 – 6733 Canoga Avenue and Building 038 – 21600 Vanowen Street,” dated 27 March 2002.

17. Haley & Aldrich, Inc., 2004, “UST Summary Report, The Boeing Company, Canoga Avenue Facility, 6620 Canoga Avenue, Canoga Park, California,” dated April 9, 2004.

18. Haley & Aldrich, Inc., 2005. “Final Draft ASTM Phase I Environmental Site Assessment, The Boeing Company, Canoga Avenue Facility, Building 001 Area,” dated 26 April 2005.

19. Haley & Aldrich, Inc., 2006a. “Soil Remediation Action Plan, Rocketdyne/Canoga Avenue Facility Building 038 Area, 21600 Vanowen Street, Canoga Park, California,” dated 31 January 2006.

20. Haley & Aldrich, Inc., 2006b. “Former Underground Storage Tank (UST) Closure Report, USTs A-1, A-3, B-3, and B-3A, Rocketdyne-Canoga Avenue Facility, Canoga Park, California,” dated August 2006.

21. Haley & Aldrich, Inc., 2006c. “Report on Site-Wide Groundwater Assessment, Pratt & Whitney-Rocketdyne Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California,” dated 18 October 2006.

22. Haley & Aldrich, Inc., 2007a. “Report on Site-wide Soil and Soil Gas Investigation, Pratt & Whitney-Rocketdyne - Canoga Avenue Facility, 6633 Canoga Avenue and 21600 Vanowen Street Canoga Park, California,” dated 22 February 2007.

23. Haley & Aldrich, Inc., 2007b. "Response to Item 9 LARWQCB Comments Letter Dated 9 May 2007 on Site-wide Soil and Soil Gas Investigation Report: Pratt & Whitney – Rocketdyne Facility (SLIC NO. 0237A, SITE ID NO. 204021) 6633 Canoga Avenue, Canoga Park, California, Dated 22 February 2007," dated 8 June 2007.

24. Haley & Aldrich, Inc., 2007c. "Addendum to Soil Remediation Action Plan No. 2 – Implementation Plan, Rocketdyne/Canoga Avenue Facility Building 038 Area, 21600 Vanowen Street, Canoga Park, California, SLIC No. 0237A, Site ID No. 2040214," dated 1 August 2007.

25. Haley & Aldrich, Inc., 2008a. "Pratt & Whitney - Rocketdyne Canoga Avenue Facility, Building 038 Soil Remediation Report and Site Closure Request, 21600 Vanowen Street, Canoga Park, California, SLIC No. 0237A, Site ID No. 2040214," dated 18 January 2008.

26. Haley & Aldrich, Inc., 2008b. "Additional Investigation of Buildings 001 & 035 and WWTU Area Report, Pratt & Whitney Rocketdyne - Canoga Avenue Facility, 6633 Canoga Avenue - Canoga Park, California," dated 12 December 2008.

27. Haley & Aldrich, Inc., 2009. "Groundwater Remediation Pilot Test Work Plan, Pratt & Whitney-Rocketdyne Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California, (SLIC No. 0237A, Site ID No. 2040214)," dated 23 March 2009.

28. Haley & Aldrich, Inc., 2010a. "Report on Additional Investigation of TCE Impacts in Groundwater and Potential Source Area on North Side of Building 001, Pratt & Whitney Rocketdyne - Canoga Avenue Facility, 6633 Canoga Avenue - Canoga Park, California, SCP No. 0237A, Site ID No. 2040214," dated 23 February 2010.

29. Haley & Aldrich, Inc., 2010b. "Additional Investigation of Trichloroethene Impacts in Groundwater and Potential Source Area Inside North End of Building 001 and Helium Shed, Pratt & Whitney Rocketdyne, 6633 Canoga Avenue - Canoga Park, California," dated 13 July 2010.

30. Haley & Aldrich, Inc., 2010c. "Groundwater Remedial Action Plan, Pratt & Whitney Rocketdyne, 6633 Canoga Avenue - Canoga Park, California, SCP No. 0237A, Site ID No. 2040214," dated 19 July 2010.

31. Haley & Aldrich, Inc., 2012. "Remedial Action Completion Report for In-situ Injection of Bioremediation Amendment, United Technologies/Pratt & Whitney-Rocketdyne Facility, 6633 Canoga Avenue - Canoga Park, California (SCP No. 0237A, Site ID No. 2040214)," dated 15 August 2012.

32. Haley & Aldrich, Inc., 2014a. "Soil Investigation of Canoga Avenue Facility Building 001 (Former Rocketdyne Facility), United Technologies Corporation, 6633 Canoga Avenue, Canoga Park, California, (SCP No. 0237A, Site ID No. 2040214)" dated 25 August 2014.

33. Haley & Aldrich, Inc., 2014b. "Investigation for Verification of Select Chemicals of Concern in Historical Soil and Soil Gas Samples, (Former Rocketdyne Facility), United Technologies Corporation, 6633 Canoga Avenue, Canoga Park, California, (SCP No. 0237A, Site ID No. 2040214)," dated 28 August 2014.

34. Haley & Aldrich, Inc., 2014c. “Draft Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214,” dated 2 October 2014.

35. Haley & Aldrich, Inc., 2015a. “Supplemental Work Plan for Additional Injection of Amendment for In-situ Bioremediation of Groundwater, United Technologies Corporation, Canoga Avenue Facility (formerly Pratt & Whitney – Rocketdyne Facility), 6633 Canoga Avenue, Canoga Park, California, (SCP No. 0237A, Site ID No. 2040214)”, dated 22 January 2015.

36. Haley & Aldrich, Inc., 2015b. “Response to OEHHA Comments dated 5 December 2014 Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214,” dated 18 March 2015.

37. Haley & Aldrich, Inc., 2015c. “Response to LARWQCB Comments dated 22 January 2015 Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214,” dated 25 March 2015.

38. Haley & Aldrich, Inc., 2015d. “WDR/MRP Application Submittal (per Order R4-2014-0187), United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214,” dated 8 June 2015.

39. Haley & Aldrich, Inc., 2015e. “Scope of Work on Additional Soil Sampling, SPLP, and Physical Parameters Analysis for Development of Soil Remediation Goals, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214,” dated 15 June 2015.

40. Haley & Aldrich, Inc., 2015f. “Supplemental Work Plan for Additional Injection of Amendment for In-situ Bioremediation of Groundwater: Report on Injection and Monitoring Well Installation, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California,” dated 10 July 2015.

41. Jennings, C.W. and Troxel, B.W., 1954, Geology of Southern California, Geologic Article No. 2, Geology of the Ventura Basin, Division of Mines, 1954.

TABLES

TABLE I
SUMMARY OF ENVIRONMENTAL TARGETS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

ET #	ET Investigation Status	Bldg	Column Number	Feature	Age of Feature / Dates of Use	Potential COPCs	Process	Soil and Soil Gas Boring IDs
1	Previously Investigated	na	na	Groundwater	Not Applicable	VOCs	Not Applicable	
2	Previously Investigated	B001	B-18 / B-19	Former EDL Hazardous Waste Storage Yard	Unknown, Prior to 1991	VOCs, PAHs, PCBs, Metals, TPH	Chemical Storage (flammable liquids, ORM-A, oils, halogenated and oxygenated solvents)	DP0265-DP0270, DP0286-DP0292
3	Assessment Confirmation Monitoring	B001		Machines throughout B001		TPH, Solvents, metals		
4	Assessment Confirmation Monitoring	B001	G-15	Steel Vault in the EDM Room, 10' D	1976-early 1980s, concrete filled	VOCs, PAHs, PCBs, Metals, TPH	Vault for EDM (transformer) oil, cutting oil	B-27
5	Previously Investigated, Known Impact	B001	J-16	Former PCE Vapor Degreaser	1972-1990s	VOCs	Removed wax from parts, used PCE and TCA, concrete pit F-9	DP0326-DP0327, DP0331-DP0332, B-19, Gore Sampling
6	Inaccessible Area	B001	J-13 / K-13	Area 1 Dip Tanks	Active through 2010s	Metals, Acids, Bases	Sump B-7, B-8 inactive (filled), F-2 (chromium anodizing spillage),	VO, B-1, DP0367
7	Previously Investigated	B001	J-13	Area 1 Former Vapor Degreaser and Distillation Unit		VOCs	F-5 (TCE/TCE degreaser spillage)	001-01 thru 001-05, 001-6,V01-B1 thru V01-B4, DP0367
8	Previously Investigated, Inaccessible Area	B001	K-13	Clarifier (E-3) Located South of Area 1	1972-present	VOCs, PAHs, PCBs, Metals, TPH	Received waste water from Area 1, Area 2, photo processing areas, deionization system, dye penetrant booths, and old car wash	DP0333, B-20, 001-05, DP0368
9	Assessment Confirmation Monitoring	B001	K-26/K29 through M-26/M-29	VTC Room and Machines	Active	VOCs, PAHs, PCBs, Metals, TPH		SW-1, SW-2
10	Assessment Confirmation Monitoring	B001	K-13	Former Pipe Discharge Area	Abandoned in 1985	VOCs, PAHs, PCBs, Metals, TPH	Leaky pipe from old car wash	
11	Assessment Confirmation Monitoring	B001	L-15/L-18 through M-15/M-18	Former Area 2 Chemical Processing Area	1958? (F-3)	Metals, Acids	Concrete pit F-3	
12	Previously Investigated	B001	L-13 and M-13	Former Vapor Degreaser in Fine Clean Room	F-6 (installed 1968)	VOCs	F-6 (concrete pit),	DP0336, DP0337, DP0340, DP0341, 001-1 thru 001-5
13	Assessment Confirmation Monitoring, Known Impact	B001	M-26	Vault near Column M-26	Approx. 2000-Active	Cobalt, Metals, TPH	Contains metal shavings from VTC	DP0162-DP0163
14	Previously Investigated	B001	M-13	TPH Impacted Soil near Column M-13		TPH		DP0176-DP0177
15	Assessment Confirmation Monitoring, Inaccessible Area, Known Impact	B001	S of B001	Wastewater Metal Treatment Facility	1984 - present	Cobalt, VOCs, PAHs, PCBs, Metals, TPH	Wastewater treatment	DP0167-DP0170, DP0247-DP0252
16	Previously Investigated	B001	B001 Q-13 through Q-14	Former 90-Day Waste Storage Yard		VOCs, PAHs, PCBs, Metals, TPH		DP0171-DP0172
17	Previously Investigated, Known Impact	B035	entire bldg	Former chemical storage	Since 1957	VOCs, PAHs, PCBs, Metals, TPH	Chemical storage	B-5, F-11TW, F-11TE, DP0149-DP0155, DP0274-DP0276, DP0215, DP0388, DP0389, DP0390, DP0391
18	Previously Investigated	B039	entire bldg	Diesel AST Pump Leakage Area	Present	TPH	AST for fire pump	DP0141
19	Previously Investigated	B066	entire bldg	Paint and Chemical Storage Building	Active	VOCs, Metals	Chemical storage	DP0142-DP0143
20	Previously Investigated	Other	B001 P-13	PCE Impacted Soil near Gate 29	Occurred in 1986	PCE	Chemical spill	SB-1 thru SB-5, DP0178
21	Previously Investigated	B005	North A-20	Former UST A-1, Approximate Capacity 5,600 Gallons	1963-1985	TPH	Stored fuel oil	DP0200-DP0201
22	Previously Investigated	Other	S of B039	Former UST A-3 500-gallon capacity	1960-1986	TPH, BTEX	Stored unleaded gasoline	DP0202-DP0203
23	Previously Investigated	Other	N of B035	Former UST B-3 1,000-gallon capacity	1959-1987	VOCs, PAHs, PCBs, Metals, TPH	Paint and chemical spill containment	DP0207-DP0208

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24	Assessment Confirmation Monitoring	Other	N of B035	Freon AST and Freon Recycling System		VOCs		
25	Assessment Confirmation Monitoring	B001	C-26 / C-29	Vacuum Pumps	Active through 2013	TPH, PCBs	Remove hydraulic oil from test cells	
26	Assessment Confirmation Monitoring	B001	A-22	Hydraulic Unit	Constructed with building	TPH, PCBs	Provide hydraulic oil to test cells	
27	Previously Investigated	B001	C-16	EDL Vapor Degreaser	Former, dates unknown	VOCs	Portable degreaser	DP0272, DP0299-DP0300, DP0305
28	Previously Investigated	B001	C-17	Vault with Hydraulic Pump	Former, dates unknown		Pumped hydraulic fluid to test pits	
29	Assessment Confirmation Monitoring	B001	C-7	Diesel Generator North of B001, plans	Used through 2013, replaced a former	TPH, PAHs, Lead	Provides emergency energy	
30	Assessment Confirmation Monitoring	B001	D-29	Hydraulic Unit	Active through 2010s	TPH, PCBs	Provides hydraulic fluid to test pits	
31	Assessment Confirmation Monitoring	B001	C-21 /C-26 through E-21 /E26	Vibration and Rotary Testing Equipment	Active through 2010s	TPH, PCBs, reported freon	Vibration and rotary testing	FC-2, W-17
32	Assessment Confirmation Monitoring	B001	E-18	200-gallon Hydraulic Oil AST	Active through 2010s	TPH, PCBs	Storage of oil	
33	Assessment Confirmation Monitoring	B001	E-29	Test Cell #13	Active through 2010s	VOCs, PAHs, PCBs, Metals, TPH	Pumps cleaners through manufactured parts (alkaline cleaners, di water, caustics)	
34	Assessment Confirmation Monitoring	B001	G-26	Former Trench in Work in Progress "WIP" Area	Unknown	TPH, PCBs	Trench for hydraulic utilities	
35	Assessment Confirmation Monitoring	B001	F-18	Former Oil Storage Area	Through approx. 2003	PAHs, PCBs, Metals, TPH	Storage in drums	
36	Assessment Confirmation Monitoring	B001	F-21	Metal Sump M-3	Installed in 1986	TPH	Stored coolant	
37	Assessment Confirmation Monitoring	B001	G-29	Kerosene AST	Removed in early 1980s	TPH	Stored kerosene	002-6 and 002-7
38	Assessment Confirmation Monitoring	B001	G-22	Concrete Sump M-1	Installed in 1985 - unknown	TPH	Concrete sump contained machine coolant	
39	Assessment Confirmation Monitoring	B001	H-14	William Dickey Chemical Processing Center	Since approx. 2001	VOCs, PAHs, PCBs, Metals, TPH	Dip Tanks (DI water, hydrofluoric acid, turco)	
40	Assessment Confirmation Monitoring	B001	K-15	Dye Penetrating Inspection Booths	Since at least the early 1990s	TPH		
41	Assessment Confirmation Monitoring	B001	J-14 through K-14	X-ray/Photo Development Area	Reportedly been deactivated	Silver, Radionuclides		
42	Assessment Confirmation Monitoring	B001	H-14/J-15 through K-14/K-15	D/544 Processing Area Holding Vault	Unknown	VOCs, PAHs, PCBs, Metals, TPH		
43	Assessment Confirmation Monitoring	B001	K-13	Chrome Scrubber	Active, sump B-10 = 1971 - ?, B-11 = 1969 - 1985	Chromium, Hexavalent Chromium		
44	Assessment Confirmation Monitoring	B001	M-16	Wet Cells	2000-2010s	VOCs, PAHs, PCBs, Metals, TPH		
45	Assessment Confirmation Monitoring	B001	K-13	Trench at Former Deionizing System Location	Dismantled in approx. 2000	Acids, Bases	Regenerate resins	
46	Assessment Confirmation Monitoring	B001	K-13	Paint Booth	Active through 2010s	Metals, VOCs		
47	Assessment Confirmation Monitoring	B001	L-13	Room with Oil on the Floor		VOCs, PAHs, PCBs, Metals, TPH	Unknown	
48	Assessment Confirmation Monitoring	B001	J-11	Former Photo Processing Area	Active until early 1990s	Silver	Photo processing	
49	Assessment Confirmation Monitoring	B001	M-17 through M-21	Former Equipment Wash referred to as "Car Wash" (currently a Welding Area)	Discontinued in mid 1990s	VOCs, PAHs, PCBs, Metals, TPH	Clean flux and braze alloys from hand-brazed thrust chambers	

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50	Assessment Confirmation Monitoring	B001	M-18	Concrete Clarifier E-4, can't find	1956-unknown (inactive)	VOCs, PAHs, PCBs, Metals, TPH	Contained industrial wastewater from Thrust Chamber Brazing	DP0334
51	Previously Investigated	B001	K-19 through K-21	New Equipment Wash	Unused as of 2004	VOCs, PAHs, PCBs, Metals, TPH	Unused as of 2004	
52	Assessment Confirmation Monitoring	B001	K-22	Sump B-4, can't find	1970-? (inactive)	TPH, VOCs, Metals	Contained machine cutter coolant	
53	Assessment Confirmation Monitoring	B001	L-14	Concrete Vault, aux equipment room	1976 - present	Metals, ACIDS, BASES	Rinse water from ultrasonic tanks	
54	Assessment Confirmation Monitoring	B001	N-23	Subsurface Vault (E-15) Associated with Cooling Tower System	Unknown, active through 2010s	Metals, VOCs	Containment for cooling tower water	
55	Assessment Confirmation Monitoring	B001	N-22	Substation #16	Unknown, active	PCBs	Substation	
56	Assessment Confirmation Monitoring, Inaccessible Area	B001	P-14 through P-18	Main Combustion Chamber Fabrication Center (MCCFC) Dipping Tanks	1973-present, Seaworld	VOCs, PAHs, PCBs, Metals, TPH	Metals plating. Sump B-6 (inactive), E-2 (active), F-4 (active)	SW-1 thru SW-5, DP0370
57	Assessment Confirmation Monitoring	B001	N-15	MCCFC Smaller Plating Areas	Early 2000s	VOCs, PAHs, PCBs, Metals, TPH	Metal plating	
58	Assessment Confirmation Monitoring	B001	N-15	MCCFC Dewaxing Room	new	VOCs, PAHs, PCBs, Metals, TPH		
59	Assessment Confirmation Monitoring	B001	P-18	MCCFC Plating Solution Holding Tank	1976-present	VOCs, PAHs, PCBs, Metals, TPH	held nickel/copper, plating solutions, plating sludges, corrosives	
60	Assessment Confirmation Monitoring	B001	P-18	Clarifier East of MCCFC (E-6)	1970-present	VOCs, PAHs, PCBs, Metals, TPH	Nickel / copper sulfate plating rinse water, wastewater from MTF, uses sulfuric acid, sodium hydroxide, dithiocarbonate, sodium medobisulfate.	SW-3
61	Assessment Confirmation Monitoring	B001	P-18	Nickel Sulfamate and Copper Sulfate ASTs	mid 1990s-2010s	Metals	Storage	
62	Previously Investigated	B001	Q-14	MCCFC Chemical Storage Sheds	Active through 2010s	VOCs, PAHs, PCBs, Metals, TPH	Storage sheds	DP0173-DP0175
63	Assessment Confirmation Monitoring	B001	N-20 and L-25	X-Ray Booths (# of booths not specified)		Radionuclides	X-ray	
64	Previously Investigated	B001	M-26	Metal Sump M-2	1966 - unknown		Sump contained machine coolant	DP0164-DP0165
65	Assessment Confirmation Monitoring	B001	Q-20	Diesel Generator South of B001	New generator replaced a former generator	TPH, LEAD	Emergency energy	
66	Assessment Confirmation Monitoring	B001	M-24	Photo-Processing Laboratory	1980s -2010s	SILVER	Photo processing	
67	Assessment Confirmation Monitoring	B001	N-24	Gasoline Generator	Former	TPH, BTEX, LEAD	Provided power to General Electric furnace	
68	Previously Investigated	B001	Q-22	Concrete Clarifier E-17	Unknown, inactive	Unknown	Clarifier of industrial wastewater	DP0166
69	Previously Investigated	B002	E of B002	Four-Stage Clarifier E-7	1956 to present	VOCs, PAHs, PCBs, Metals, TPH	Clarifier	DP0138
70	Previously Investigated	B002	C-73	Hydraulic Lift	Unknown, casing still in ground	TPH, PCBs	Vehicle Maintenance	DP0139
71	Assessment Confirmation Monitoring	B002	B-72	Steam Cleaner Area	Active through 2010s	VOCs, PAHs, PCBs, Metals, TPH	Clean pumps, motors, air conditioners	
72	Previously Investigated	B002	A-73	Material Drum Storage Area	Unknown	VOCs, PAHs, PCBs, TPH	Storage of drums	DP0199
73	Assessment Confirmation Monitoring	B002	K-73	Diesel Generator	Unknown	TPH, PAHs, Lead	Emergency energy	
74	Assessment Confirmation Monitoring	B002	N of B002	Battery Storage Area	Unknown, not currently in use	Lead, Acids	Storage of lead acid batteries	

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75	Assessment Confirmation Monitoring	B028	entire bldg	Former Hazardous Materials Storage Area	Unknown	VOCs, PAHs, PCBs, TPH	Storage of chemicals	
76	Assessment Confirmation Monitoring	B029	E-62	Building 029	Unknown	VOCs, PAHs, PCBs, Metals, TPH	Carpentry, sheet metal, plumbing, tooling shop	
77	Assessment Confirmation Monitoring	B029	E of B029	Oil Storage Area	Active in 2000s	TPH, VOCs, PAHs, Metals	Storage	
78	Previously Investigated	B030	N portion of bldg	Paint Booths	Became dry in 1994	Metals, VOCs	Painting parts	DP0144-DP0147
79	Assessment Confirmation Monitoring	B042	A-150	Steam Cleaning Unit	Since late 1990s	VOCs, PAHs, PCBs, Metals, TPH	steam cleaning	
80	Previously Investigated, Known Impact	B043	D-164	Oil Sump Vault Identified as B-13	Unknown	VOCs, PAHs, PCBs, Metals, TPH	Unknown	DP0127-DP0128, DP0211-DP0214, DP0233-DP0236, DP0353A, DP0372, DP0373, DP0374, DP0375
81	Previously Investigated	Other	NE of B001	Surplus Sales Yard	Active through 2013	VOCs, PAHs, PCBs, Metals, TPH	storage of chemicals	DP0132-DP0136, DP0354
82	Previously Investigated	Other	NE of B001	Trash Compactor	Since at least 1980s	Metals, VOCs, PCBs	trash compacting	DP0131
83	Previously Investigated	Other	Between B066 and B030	Trench between Building 066 and Building 030, combine with P60	Current	Metals, VOCs	unknown	ET 78 sampling covered this ET
84	Previously Investigated	Other	S of B035	Former Hazardous Waste Container Storage Facility	Early 1990s - late 1990s	VOCs, PAHs, PCBs, Metals, TPH	Storage of chemicals	TLB-14, TLB-15, HS-4, DP0148, DP0157-DP0161, DP0215
85	Assessment Confirmation Monitoring	Other	SW of B002	Substations	Unknown	PCBs	Substation	
86	Assessment Confirmation Monitoring, Inaccessible Area	Other	N of B028	90-Day Hazardous Waste Storage Area	Active since late 1990s	VOCs, PAHs, PCBs, Metals, TPH	Haz. Waste storage	
87	Assessment Confirmation Monitoring	Other	Near N end of B029	Former Agricultural Related Structure	1940s	Pesticides, Herbicides	Agriculture	
88	Assessment Confirmation Monitoring	Other	throughout facility	Sewer Lines	1950s	VOCs, PAHs, PCBs, Metals, TPH	Sanitary sewer	DP0309, DP0320, DP0322, DP0323, DP0324
89	Assessment Confirmation Monitoring	B001	G-29	UST Associated with Boiler Room and Associated Clarifiers	1955-1992	TPH, PAH, LEAD	Stored fuel oil and diesel, sump E-1 and E-5 inactive	
90	Assessment Confirmation Monitoring	Other	N of B002	UST A-2, 10,000 Gallon Capacity	1962-1987	TPH, BTEX	Storage of unleaded gasoline	A-2, DP0361
91	Assessment Confirmation Monitoring	Other	N of B002	UST A-2A, 10,000 Gallon Capacity	1988-1 990s	TPH, BTEX	Storage of unleaded gasoline	
92	Assessment Confirmation Monitoring	Other	N of B002	UST A-4, 2,000 Gallon Capacity	Unknown-1987	TPH, PAH, BTEX, LEAD	Storage of gasoline	
93	Assessment Confirmation Monitoring	Other	N of B035	UST B-1, 4,000 Gallon Capacity	1954-1987	VOCs, PAHs, PCBs, Metals, TPH	Paint and chemical spill containment	
94	Assessment Confirmation Monitoring, Known Impact	Other	N of B035	UST B-1A, 4,000 Gallon Capacity	1987-1990s	VOCs	Solvent spill containment	B-1ADLW, B-1ATANK, B-1ADLE,
95	Assessment Confirmation Monitoring	Other	N of B035	UST B-2, 1,000 Gallon Capacity	1959-1987	VOCs, PAHs, PCBs, Metals, TPH	Paint and chemical spill containment	
96	Assessment Confirmation Monitoring	B001	N-14 and N-16	Plasma Spray Booth Area	1980s-2010s	Metals	Spraying metal powders	
97	Assessment Confirmation Monitoring	Other	N of B035	UST F-11, 2,000 Capacity (never used)	Removed in 1992	VOCs	Reportedly never used	
98	Previously Investigated	B004	NW Corner of B004	Former Freon Tank	Unknown	Freon		DP0210, DP0348
99	Previously Investigated	B001	D17	Former Degreaser & sewer lines		VOCs		DP0300, DP0307, Gore Sampling

TABLE I
SUMMARY OF ENVIRONMENTAL TARGETS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

ET #	ET Investigation Status	Bldg	Column Number	Feature	Age of Feature / Dates of Use	Potential COPCs	Process	Soil and Soil Gas Boring IDs
100	Previously Investigated	B001	L-17	Cleaning Area Degreaser		VOCs		DP0335, DP0342, DP0343, 3 Gore Sampling Locations
101	Previously Investigated	B001	M-13	Former Solvent Still		VOCs		DP0339, DP0369
102	Previously Investigated	B001	L-12 L-11	Former Clarifier, east of main isle		VOCs, PAHs, PCBs, Metals, TPH		DP0338
103	Previously Investigated	B001	K-16	Sloped Trench	Unknown	VOCs, PAHs, PCBs, Metals, TPH	Unknown	DP0334
104	Previously Investigated	B001	J-19	Collection Drain/Trench	Unknown	VOCs, PAHs, PCBs, Metals, TPH	Unknown	DP0330, DP0365, DP0366, SB-001-J20, SB-001-J19
105	Previously Investigated	B001	H-13	Former Haz Waste Barrel Storage Area	Unknown	VOCs, PAHs, PCBs, Metals, TPH		DP0321
106	Previously Investigated, Known Impact	B001	Q-18	Green Stained Concrete	Unknown	Metals		DP0346, DP0376, DP0377, DP0378, DP0379
107	Previously Investigated	B001	North J-16	Filled Former Pit with Staining	Unknown	VOCs, PAHs, PCBs, Metals, TPH	Unknown	DP0325
108	Previously Investigated	B001	H-23	Filled Former Pit with Staining	Unknown	VOCs, PAHs, PCBs, Metals, TPH	Unknown	DP0318
109	Previously Investigated	B001	F-16	Jig Bore Room Former Machine Pads w/ Staining	Unknown	PAHs, PCBs, Metals, TPH		DP0311, DP0313
110	Previously Investigated	B001	F-19 to G-20	Former Machine Pads with Staining	Unknown	PAHs, PCBs, Metals, TPH		DP0310, DP0312, DP0315
111	Previously Investigated, Known Impact	B001	F-23 H-23	Preset Area Former Machine Pads with staining	Unknown	PAHs, PCBs, Metals, TPH		DP0314, DP0316, DP0317
112	Previously Investigated, Known Impact	B001	North E-18	Stained Machine Pad	Unknown	PAHs, PCBs, Metals, TPH		DP0308
113	Previously Investigated	B001	SE H-21	Stained Machine Pad	Unknown	PAHs, PCBs, Metals, TPH		DP0319
114	Previously Investigated, Known Impact	B001	SE J-19	Stained Machine Pad	Unknown	PAHs, PCBs, Metals, TPH		DP0328, DP0384, DP0385, DP0386, DP0387
115	Previously Investigated	B001	J-24	Stained Machine Pad	Unknown	PAHs, PCBs, Metals, TPH		DP0329, DP0380, DP0381, DP0382, DP0383
116	Previously Investigated	B001	M-22	Stained Machine Pad	Unknown	PAHs, PCBs, Metals, TPH		DP0345
117	Assessment Confirmation Monitoring	B001	N of C14 & C15	Former Clarifier on North Side B001, in LN2 farm, just west of Helium Shed	Unknown	VOCs, PAHs, PCBs, Metals, TPH		DP0216
118	Previously Investigated	B001	NW Corner	Potential backdoor dumping area on the NW corner of B001, near the large doors		VOCs		DP0244-DP0246
119	Previously Investigated	B029/ B035	E B029, and N B035	Area East of B029 with former elevated SG concentrations		VOCs		DP0239-DP0243
120	Previously Investigated	B029	E of B029	Clarifier located east of the SE corner of B029	Unknown	VOCs, PAHs, PCBs, Metals, TPH		DP0209
121	Previously Investigated	B001	W of B001	Oil Water Separator on west side of B001, next to inactive hydraulic pump		VOCs, PAHs, PCBs, Metals, TPH		DP0217
122	Assessment Confirmation Monitoring	B001	North L-26	Former Clarifier		VOCs, PAHs, PCBs, Metals, TPH		
123	Previously Investigated	Other	E of B029	Former UST B-3A 1,300-gallon capacity	1965-1987	TPH	Machine cutter oil	DP0204-DP0205
124	Assessment Confirmation Monitoring	B002	A-13	Oil Storage in Helium Shack	Active through 2010s	TPH, Metals		
125	Assessment Confirmation Monitoring	B001	F-23	Oil Storage Area		PAHs, PCBs, Metals, TPH	Storage in drums	
126	Previously Investigated, Known Impact	B038	NE Corner	Minor Soil Stain	Unknown	TPH	Former underground piping	GS0009, GS0010
2-B004	Previously Investigated	B004	SE corner	Boiler Room sumps/drains		TPH		DP0040
23-B004	Previously Investigated	B004	SE of B004	Former UST A-9, 650 Gallon Capacity		TPH, PAH, Lead	Stored fuel oil #3	DP0071-DP0072

Notes:
DCA = Dichloroethane
DCE = Dichloroethene
ET = Environmental Target
MEK = Methyl ethyl ketone
na = not applicable
PCBs = Polychlorinated biphenyls
PCE = Tetrachloroethene
SVOCs = Semi-volatile organic compounds
TCA = Trichloroethane
TCE = Trichloroethene
TPH = total petroleum hydrocarbons
UST = Underground storage tank
VOCs = Volatile organic compounds

TABLE II
SUMMARY OF KNOWN VADOSE ZONE IMPACTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

BLDG NO.	ET	DESCRIPTION	PRINCIPAL COPC(s) [1]	GRID REFERENCE[2]	SOIL IMPACT NUMBER[3]
043	80	Unknown Vault Identified as B-13, Oil Sump	VOCs, PCBs	F6	SI-001
001	112	Stained Machine Pad	VOCs	F9	SI-002
001	111	Preset Area Former Machine Pads with Staining	VOCs	E11	SI-003
001	114	Stained Machine Pad	VOCs	F12	SI-004
001	5	Former PCE Vapor Degreaser	VOCs, PCBs	F12	SI-005
001	106	Green Stained Concrete	Metals, PCBs	F15	SI-006
001	15	Wastewater Metal Treatment Facility	Cobalt	G15, F16	SI-007, SI-008
001	13	Vault near Column M-26	Cobalt	C14	SI-009
035	94	Former UST B-1A	Nickel	A15	SI-010
035	17	Former Chemical Storage	VOCs, SVOCs	A15	SI-010
038	126	Minor Soil Stain	TPH	A2	SI-011

Notes: 1) COPCs present at concentrations that result in an unacceptable human health risk and/or pose a threat to groundwa
2) For large impacts, the grid reference provided is at or near the center of the impact.
3) Pre-assigned Soil Impact Numbers, see Figure 4A

TABLE III
SITE-SPECIFIC SOIL REMEDIATION GOALS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Chemical	Site-specific Soil Remediation Goal (SRG) [(a)] 0-15 feet bgs (mg/kg)
Metals	
Antimony	3.35
Arsenic	7.94
Barium	387
Beryllium	0.702
Cadmium	5.15
Chromium (Total)	32.7
Hexavalent Chromium	1.8
Cobalt	11.4
Copper	58
Lead	61.5
Mercury	3
Molybdenum	5.64
Nickel	43.9
Selenium	7.75
Vanadium	58.5
Zinc	215
Semi-volatile Organic Compounds (SVOCs)	
Benzyl alcohol	0.89
bis(2-Ethylhexyl)phthalate	2
Butyl benzylphthalate	0.63
Diethyl phthalate	0.268
Total PCBs	0.12
Volatile Organic Compounds (VOCs)	
1,1-Dichloroethane	0.25
1,1-Dichloroethene	1.4
1,1,1-Trichloroethane	8.6
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.027
1,2-Dichloroethane	0.041
1,1,2-Trichloroethane	0.1
1,2,3-Trichloropropane	0.002
1,2,4-Trimethylbenzene	0.0022
1,3,5-Trimethylbenzene	0.053
2-Butanone	0.045
Acetone	0.28
Benzene	0.011
Carbon disulfide	0.0029
Chloroform	0.0064
cis-1,2-Dichloroethene	0.3
Dichlorodifluoromethane	0.0016
Ethylbenzene	0.33
Isopropylbenzene (cumene)	0.166
Isopropyltoluene (surrogate=Isopropylbenzene)	0.237
Methylene chloride	0.0013
n-Propylbenzene	0.39
Naphthalene	0.2
sec-Butylbenzene	0.15
Styrene	0.0022
Tetrachloroethene	0.1
Toluene	14
trans-1,2-Dichloroethene	0.0871
Trichloroethene	0.1
Xylenes	2.9
Total Petroleum Hydrocarbons (TPH) [(b)]	
C4-C12 (Gasoline Range - Low Aliphatic/Aromatic)	100
C13-C22 (Diesel Range - Medium Aliphatic/Aromatic)	100
C23-C32 (Oil Range)	1,000

bgs = below ground surface
mg/kg = milligrams per kilogram
< = less than laboratory detection limit

[(a)] The soil remediation goal is the lower of the health protection level (Appendix A) and the groundwater protection level (Appendix D).

[(b)]TPH thresholds identified by the 2006 Cleanup Guidebook (RWQCB, 2006).

TABLE IV
PROPOSED IMPORT FILL CRITERIA
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

ORGANICS	**IMPORT FILL CRITERIA (mg/kg)**
Volatile Organic Compounds (VOCs)	Non-detect (Laboratory Reporting Limit)
Semivolatile Organic Compounds (SVOCs)	Non-detect (Laboratory Reporting Limit)
Polynuclear Aromatic Hydrocarbons (PAHs)	Non-detect (Laboratory Reporting Limit)
Polychlorinated Biphenyls (PCBs)	Non-detect (Laboratory Reporting Limit)
Total Petroleum Hydrocarbons (TPH)	Non-detect (Laboratory Reporting Limit)

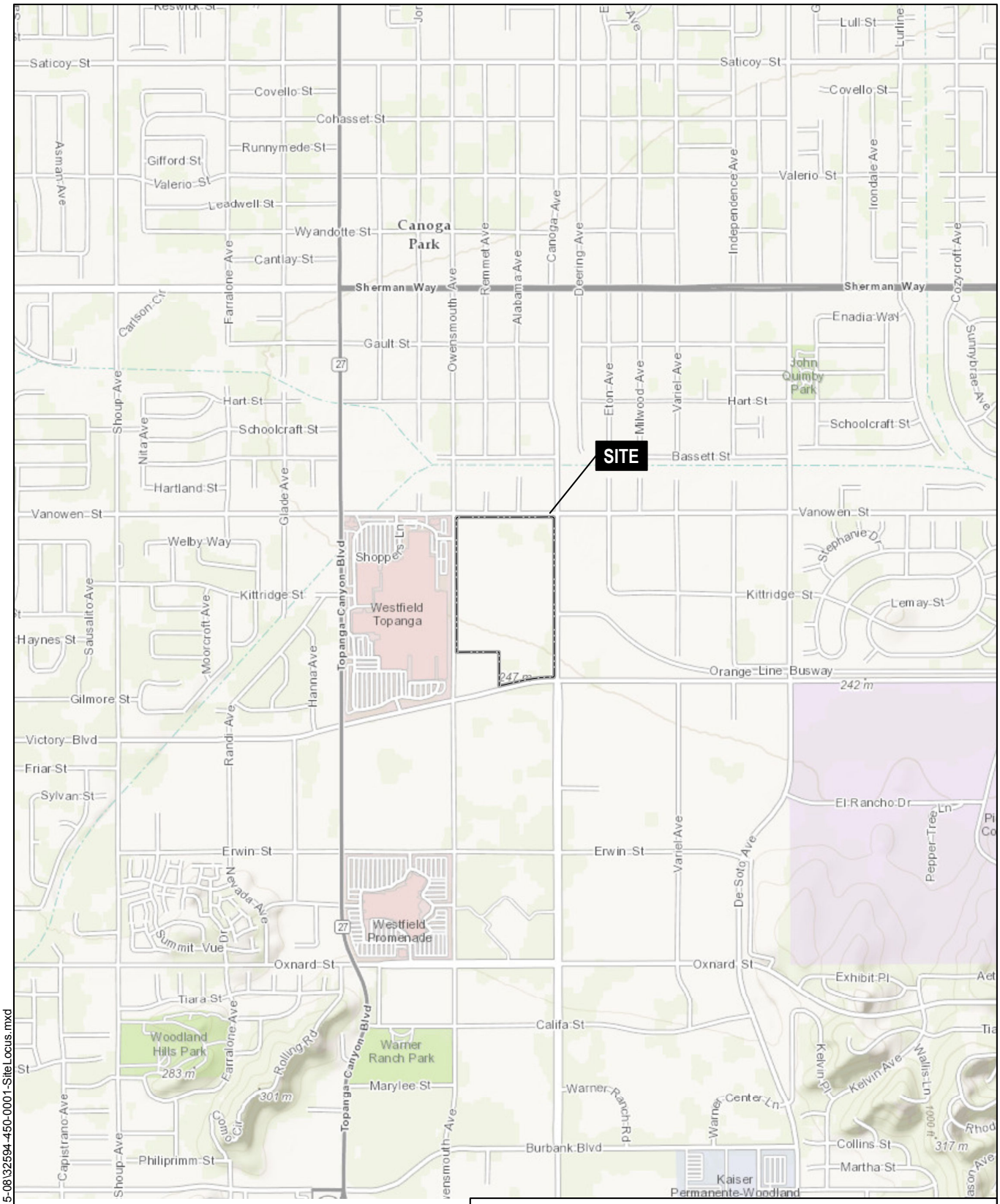
METALS DETECTED ONSITE	**SITE-SPECIFIC BACKGROUND THRESHOLD/PROPOSED SCREENING CRITERION (mg/kg)**
Antimony	3.35
Arsenic	7.94
Barium	387
Beryllium	0.702
Cadmium	2.2
Chromium Total	32.7
Chromium Hexavalent	1.8 *
Cobalt	11.4
Copper	36.2
Lead	61.5
Mercury	3
Molybdenum	5.64
Nickel	43.9
Selenium	7.75
Silver	< 1.0
Thallium	< 1.0
Vanadium	58.5
Zinc	76

Notes:

mg/kg = milligrams per kilogram

* There is no site-specific background threshold concentration for hexavalent chromium. Therefore, the site-specific soil remediation goal is presented as the import fill criterion for hexavalent chromium.

FIGURES



MAP SOURCE: ESRI

SITE COORDINATES : 34°11'28.65"N,118°35'58.12"W

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CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

SITE LOCUS

APPROXIMATE SCALE: 1 IN = 2,000 FT
AUGUST 2015

FIGURE 1

U:\32594\Canoga\GIS\MapProjects\2015-08\32594-450-0001-SiteLocus.mxd

GIS FILE PATH: U:\32594\Canoga\GIS\MapProjects\2015-08\32594-450-0002-Facility Plan.mxd — USER: dfm — LAST SAVED: 7/29/2015 2:52:24 PM

LEGEND

SITE BOUNDARY

035 BUILDING NUMBER

NOTES

1. ALL LOCATIONS AND DIMENSIONS AREA APPROXIMATE

2. AERIL PHOTO: PICOMETRY DATED; FEB 2014

N

0 150 300

SCALE IN FEET

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CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

CANOGA AVENUE FACILITY PLAN

JULY 2015

FIGURE 2

U:\32594\CANOGA\CAD\450\32594-450-0003_0004-ENVRMNTL_TRGTS_&_EXCEEDANCES_R6.DWG

LEGEND

- APPROXIMATE PROPERTY LINE
- 005 BUILDING OUTLINE
- 20 100 FT. GRID
- FENCE
- SOIL BORING LOCATION
- SOIL GAS SAMPLE LOCATION
- SOIL BORING AND SOIL GAS SAMPLE LOCATION
- ET55 ENVIRONMENTAL TARGET
- CLARIFIER
- FORMER TCE USE AREA
- PIT
- SUMP
- FORMER VAPOR DEGREASER
- DRAIN
- PAVEMENT PATCH
- TRENCH DRAIN
- CHROME SCRUBBER
- PLATING SOLUTION PIT
- EQUIPMENT PAD

N W E S

0 60 120 180 240

SCALE IN FEET

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CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

ENVIRONMENTAL TARGETS AND FACILITY-WIDE GRID

SCALE: AS SHOWN
AUGUST 2015

FIGURE 3

U:\32594\CANOGA\CAD\450\32594-450-0003_0004-ENVRMNTL_TRGTS_&_EXCEEDANCES_R6.DWG

LEGEND

- APPROXIMATE PROPERTY LINE
- 005 BUILDING OUTLINE
- (20) 100 FT. GRID
- FENCE
- SOIL BORING LOCATION
- SOIL GAS SAMPLE LOCATION
- SOIL BORING AND SOIL GAS SAMPLE LOCATION
- (ET55) ENVIRONMENTAL TARGET
- (ET13) ENVIRONMENTAL TARGET EXCEEDS SOIL REMEDIATION GOALS
- CLARIFIER
- FORMER TCE USE AREA
- PIT
- SUMP
- FORMER VAPOR DEGREASER
- DRAIN
- PAVEMENT PATCH
- TRENCH DRAIN
- CHROME SCRUBBER
- PLATING SOLUTION PIT
- EQUIPMENT PAD
- COOLING TOWER
- SOIL BORING WITH ONE OR MORE SAMPLES EXCEEDING SOIL REMEDIATION GOALS
- EXTENTS OF FIGURES 4B THROUGH 4F
- **SI-00x** KNOWN SOIL IMPACT AREA

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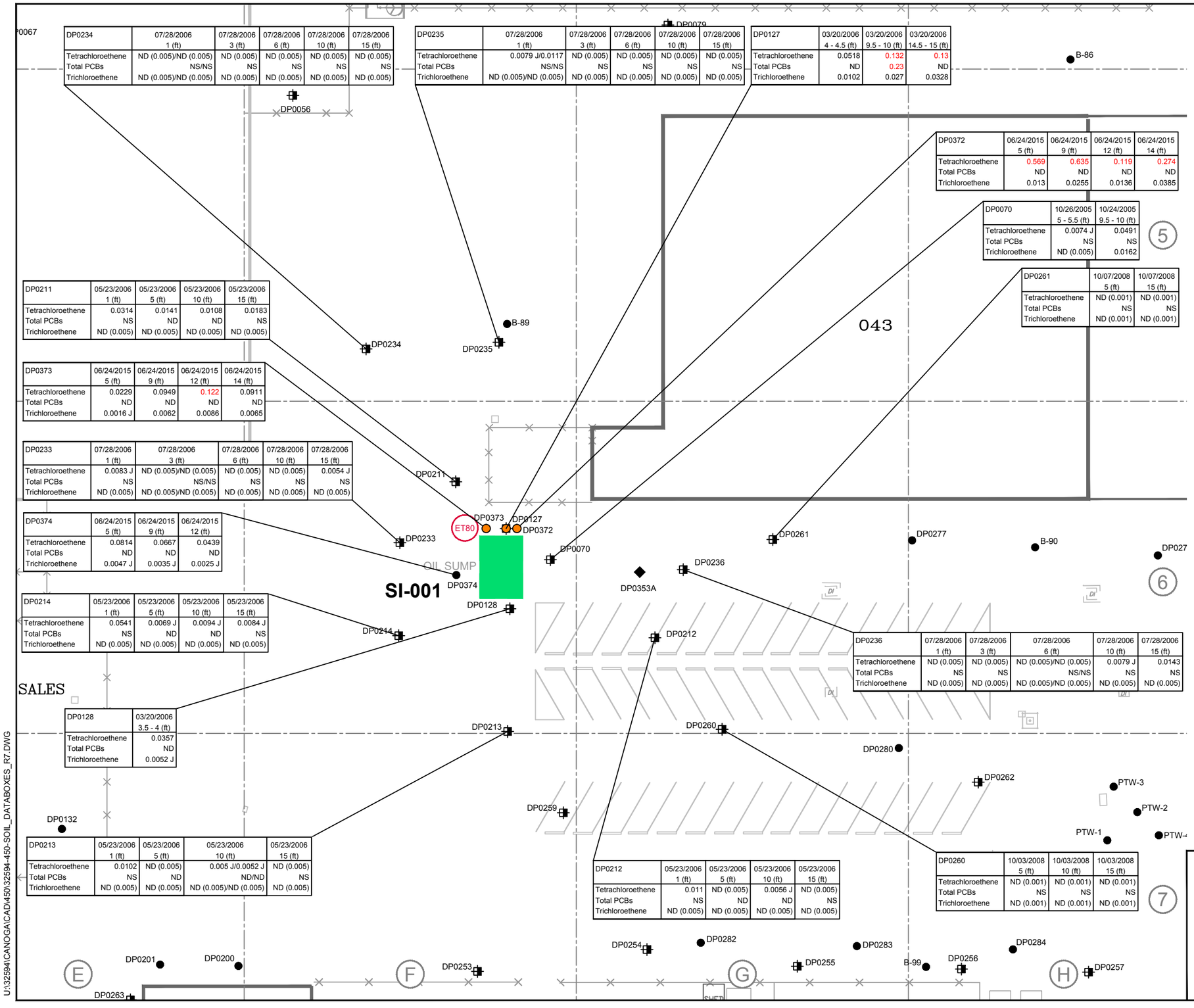
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

KNOWN VADOSE ZONE IMPACTS

SCALE: AS SHOWN
AUGUST 2015

FIGURE 4A



U:\32594\CANOGA\CAD\450\32594-450-SOIL_DATABOXES_R7.DWG

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CANOGA PARK, CALIFORNIA

KNOWN SOIL IMPACTS
SI-001

SCALE: AS SHOWN
AUGUST 2015

FIGURE 4B

B-94	04/09/2008 5 (ft)	04/09/2008 10 (ft)	04/09/2008 15 (ft)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)

DP0308	05/08/2014 1 (ft)	05/08/2014 5 (ft)	05/08/2014 12 (ft)
Tetrachloroethene	0.17	0.0039	ND (0.00018)

DP0307	05/08/2014 3 (ft)	05/08/2014 9 (ft)	05/08/2014 14 (ft)
Tetrachloroethene	0.0021	ND (0.00015)	ND (0.00016)

DP0310	05/07/2014 1 (ft)	05/07/2014 3 (ft)	05/07/2014 11 (ft)
Tetrachloroethene	ND (0.00019)	0.0013	ND (0.00017)

SB-001-013	01/18/1997 6 - 7.5 (ft)	01/18/1997 12 - 13.5 (ft)
Tetrachloroethene	ND (0.001)	ND (0.001)

DP0314	05/09/2014 3 (ft)	05/09/2014 5 (ft)	05/09/2014 13 (ft)
Tetrachloroethene	0.002	ND (0.00016)	ND (0.00017)

DP0316	05/08/2014 1 (ft)	05/08/2014 3 (ft)	05/08/2014 14 (ft)
Tetrachloroethene	0.11	0.0027	ND (0.00017)

DP0317	05/08/2014 1 (ft)	05/08/2014 4 (ft)	05/08/2014 10 (ft)
Tetrachloroethene	ND (0.0086)	0.0015	ND (0.0002)

DP0318	05/07/2014 1 (ft)	05/07/2014 2 (ft)	05/07/2014 10 (ft)
Tetrachloroethene	0.0017	0.003	ND (0.00018)

SB-001-H22	06/06/1996 1 (ft)
Tetrachloroethene	ND (0.005)

SB-001-H24	06/06/1996 1 (ft)
Tetrachloroethene	ND (0.005)

DP0385	06/24/2015 0.5 (ft)	06/24/2015 1.5 (ft)	06/24/2015 5 (ft)	06/24/2015 10 (ft)
Tetrachloroethene	NS	NS	NS	NS
Total PCBs	ND	ND	ND	ND

DP0328	05/06/2014 1 (ft)	05/06/2014 2 (ft)	05/06/2014 4 (ft)	05/06/2014 11 (ft)
Tetrachloroethene	59	ND (0.089) B	0.049	0.013
Total PCBs	0.086	ND	ND	ND

DP0384	06/24/2015 0.5 (ft)	06/24/2015 1.5 (ft)	06/24/2015 5 (ft)	06/24/2015 10 (ft)	06/24/2015 14 (ft)
Tetrachloroethene	NS	NS	NS	NS	NS
Total PCBs	ND	ND	ND	ND	ND

DP0365	07/17/2014 2 (ft)
Tetrachloroethene	0.035
Total PCBs	NS

DP0366	07/17/2014 2 (ft)	07/17/2014 12 (ft)
Tetrachloroethene	0.01/0.061	0.016
Total PCBs	NS/NS	NS

DP0331	05/06/2014 3 (ft)	05/06/2014 9 (ft)	05/06/2014 13 (ft)
Tetrachloroethene	0.016	0.0059	0.014
Total PCBs	ND	ND	ND

DP0332	05/06/2014 2 (ft)	05/06/2014 8 (ft)	05/06/2014 14 (ft)
Tetrachloroethene	0.024	0.0032	0.0026
Total PCBs	ND	ND	ND

DP0386	06/24/2015 0.5 (ft)	06/24/2015 1.5 (ft)	06/24/2015 5 (ft)	06/24/2015 10 (ft)	06/24/2015 14 (ft)
Tetrachloroethene	NS	NS	NS	NS	NS
Total PCBs	ND	ND	ND	ND	ND

DP0325	05/06/2014 1 (ft)	05/06/2014 4 (ft)	05/06/2014 8 (ft)
Tetrachloroethene	0.0038	0.0046	0.0017
Total PCBs	ND	ND	ND

DP0326	05/14/2014 2 (ft)	05/14/2014 10 (ft)	05/14/2014 14 (ft)
Tetrachloroethene	0.21	0.0054	0.011
Total PCBs	ND	1	0.29

DP0327A	05/06/2014 1 (ft)	05/06/2014 6 (ft)	05/06/2014 12 (ft)
Tetrachloroethene	0.043	0.0044	0.026
Total PCBs	ND	ND	ND

DP0330	05/07/2014 2 (ft)	05/07/2014 8 (ft)	05/07/2014 14 (ft)
Tetrachloroethene	0.068	0.0075	0.018
Total PCBs	ND	ND	ND

SI-002

SI-003

SI-004

SI-005

001 FACTORY

POSSIBLE DEGREASER LOCATION

UNKNOWN FEATURE, POSSIBLE FORMER DEGREASER PIT

TCE DEGREASER

RINSE TANK

TANK AREA PIT

SUMP PUMP CLARIFIER

PIT FILLED IN 7'x7'x5'DP

PIT FILLED IN 6'4"x7'5"x7'DP

LEGEND

- APPROXIMATE PROPERTY LINE
- 005 BUILDING OUTLINE
- 20 100 FT. GRID
- FENCE
- SOIL BORING LOCATION
- SOIL GAS SAMPLE LOCATION
- ET55 ENVIRONMENTAL TARGET
- ET13 ENVIRONMENTAL TARGET EXCEEDS SOIL REMEDIATION GOALS
- SOIL BORING WITH ONE OR MORE SAMPLES EXCEEDING SOIL REMEDIATION GOALS
- SI-00x KNOWN SOIL IMPACT AREA
- PIT
- TRENCH DRAIN
- SUMP
- FORMER VAPOR DEGREASER
- EQUIPMENT PAD

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. SOIL CONCENTRATIONS SHOWN IN MG/KG.
3. ND - NOT DETECTED
   NS - NOT SAMPLED
   (ft) - DEPTH BELOW GROUND SURFACE IN FEET
4. CONCENTRATIONS IN RED EXCEED SOIL REMEDIATION.

N W E S

0 30 60

APPROXIMATE SCALE IN FEET

HALEY ALDRICH

UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

KNOWN SOIL IMPACTS SI-002 TO SI-005

SCALE: AS SHOWN
AUGUST 2014

FIGURE 4C

U:\32694\CANOGA\CAD\450\32694-450-SOIL_DATABOXES_R7.DWG

F

G

H

14

15

16

CLARIFIER

ET63

ET126

DP0176

ET14

ET58

ET57

SW-2

SW-1

DP0370

CLARIFIER

ET60

PUMP STATION

ET56

GATE 29

ET20

SI-006

ET59

DP0376

DP0377

ET106

ET61

SEA WORLD

DP0172

DP0173

DP0178

DP0171

ET62

DP0174

DP0170

SI-007

DP0169

ET16

ET15

ET68

DP0166

ET65

SI-008

DP0252

DP0167

DP0250

DP0249

DP0251

DP0247

DP0168

DP0248

DP0175

DP0376	06/25/2015 1 (ft)	06/25/2015 2 (ft)	06/25/2015 6.6 (ft)	06/26/2015 8.5 (ft)	06/26/2015 12.5 (ft)	06/26/2015 14 (ft)
Antimony	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS
Nickel	NS	NS	NS	NS	NS	NS
Total PCBs	0.0166	ND	0.011	ND	ND	ND

DP0346	05/13/2014 1 (ft)	05/13/2014 2 (ft)	05/13/2014 10 (ft)
Antimony	ND (0.145)	ND (0.149)	10.7
Cobalt	10.3	8.31	84.8
Copper	14.6	15.9	2940
Nickel	19.3	242	6090
Total PCBs	0.26	ND	ND

DP0377	06/25/2015 1 (ft)	06/25/2015 2 (ft)	06/25/2015 8.5 (ft)	06/25/2015 12.5 (ft)	06/25/2015 14 (ft)
Antimony	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS
Nickel	NS	NS	NS	NS	NS
Total PCBs	0.1742	0.0361	ND	ND	ND

DP0378	06/26/2015 2.5 (ft)	06/26/2015 8.5 (ft)	06/26/2015 12.5 (ft)	06/26/2015 14 (ft)
Antimony	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS
Copper	NS	NS	NS	NS
Nickel	NS	NS	NS	NS
Total PCBs	ND	ND	ND	ND

DP0252	10/06/2008 1 (ft)	10/06/2008 3 (ft)	10/06/2008 5 (ft)
Cobalt	6.55	6.45	6.5

DP0167	03/15/2006 1 - 1.5 (ft)
Cobalt	17.8/7.55

DP0250	10/02/2008 1 (ft)	10/02/2008 3 (ft)	10/02/2008 5 (ft)
Cobalt	6.25	5.35	2.75 J

DP0251	10/06/2008 1 (ft)	10/06/2008 3 (ft)	10/06/2008 5 (ft)
Cobalt	7.45	7.75	15.4

DP0249	10/02/2008 1 (ft)	10/02/2008 3 (ft)	10/02/2008 5 (ft)
Cobalt	5.05	6.25	5.05

DP0248	10/02/2008 1 (ft)	10/02/2008 3 (ft)	10/02/2008 5 (ft)
Cobalt	7.45	6.05	5.15

DP0247	10/02/2008 1 (ft)	10/02/2008 3 (ft)	10/02/2008 5 (ft)
Cobalt	7.85	6.3	5.3

DP0168	03/15/2006 1.5 - 2 (ft)	03/15/2006 3.5 - 4 (ft)	03/15/2006 5.5 - 6 (ft)
Cobalt	7.8	5.8	5.25

DP0170	03/15/2006 3.25 - 3.5 (ft)	03/15/2006 5 - 5.5 (ft)	03/15/2006 7 - 7.5 (ft)
Cobalt	5.1	47.4	6.6/6.95

DP0169	03/15/2006 2 - 2.5 (ft)	03/15/2006 4 - 4.5 (ft)	03/15/2006 5.5 - 6 (ft)
Cobalt	5.5	5.5	5.7

DP0172	03/15/2006 1 - 1.5 (ft)
Cobalt	5.95

DP0171	03/15/2006 1.6 - 2.1 (ft)
Cobalt	5.6

LEGEND

- APPROXIMATE PROPERTY LINE
- 005 BUILDING OUTLINE
- 20 100 FT. GRID
- FENCE
- SOIL BORING LOCATION
- SOIL GAS SAMPLE LOCATION
- SOIL BORING AND SOIL GAS SAMPLE LOCATION
- ET55 ENVIRONMENTAL TARGET
- ET13 ENVIRONMENTAL TARGET EXCEEDS SOIL REMEDIATION GOALS
- SOIL BORING WITH ONE OR MORE SAMPLES EXCEEDING SOIL REMEDIATION GOALS
- SI-00x KNOWN SOIL IMPACT AREA
- PIT
- CLARIFIER
- TRENCH DRAIN
- SUMP
- PLATING SOLUTION PIT

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. SOIL CONCENTRATIONS SHOWN IN MG/KG.
3. ND - NOT DETECTED
   NS - NOT SAMPLED
   (ft) - DEPTH BELOW GROUND SURFACE IN FEET
4. CONCENTRATIONS IN RED EXCEED SOIL REMEDIATION.

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0 30 60

APPROXIMATE SCALE IN FEET

HALEY ALDRICH

UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

KNOWN SOIL IMPACTS SI-006 TO SI-008

SCALE: AS SHOWN
AUGUST 2015

FIGURE 4D

U:\32594\CANOGA\CAD\450\32594-450-SOIL_DATABOXES_R7.DWG

DP0389	06/25/2015 1 (ft)	06/25/2015 2 (ft)	06/25/2015 5.5 (ft)	06/25/2015 7 (ft)	06/25/2015 8.5 (ft)
1,1,1-Trichloroethane	8.61 J	ND (0.022)	ND (0.00046)	ND (0.00048)	0.0018 J
1,1-Dichloroethane	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	ND (5.7)	ND (0.043)	ND (0.00091)	ND (0.00096)	ND (0.0012)
1,3,5-Trimethylbenzene	ND (5.7)	ND (0.043)	ND (0.00091)	ND (0.00096)	ND (0.0012)
Benzene	ND (2.9)	ND (0.022)	ND (0.00046)	ND (0.00048)	ND (0.00058)
bis(2-Ethylhexyl)phthalate	1.71	ND (0.066)	ND (0.067)	ND (0.067)	ND (0.066)
cis-1,2-Dichloroethene	ND (6.3)	0.0853 J	ND (0.001)	ND (0.0011)	0.0038 J
Ethylbenzene	ND (2.9)	ND (0.022)	ND (0.00046)	ND (0.00048)	ND (0.00058)
Nickel	NS	NS	NS	NS	NS
Tetrachloroethene	678	0.902	0.0168	0.0196	0.0619
Toluene	14.4 J	0.0257 J	ND (0.00046)	ND (0.00048)	ND (0.00058)
Trichloroethene	119	0.84	0.0037 J	0.003 J	0.0214

DP0209	05/23/2006 1 (ft)	05/23/2006 5 (ft)
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)
1,1-Dichloroethane	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)
Benzene	ND (0.002)	ND (0.002)
bis(2-Ethylhexyl)phthalate	NS	NS
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.002)	ND (0.002)
Naphthalene	ND (0.005)	ND (0.005)
Nickel	NS	NS
Tetrachloroethene	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)
Trichloroethene	ND (0.005)	ND (0.005)

DP0275	10/08/2008 1 (ft)	10/08/2008 3 (ft)	10/08/2008 5 (ft)
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)/ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)/ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)/ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)/ND (0.001)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)/ND (0.001)
bis(2-Ethylhexyl)phthalate	NS	NS	NS/NS
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)/ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)/ND (0.001)
Naphthalene	ND (0.001)	ND (0.001)	ND (0.001)/ND (0.001)
Nickel	NS	NS	NS/NS
Tetrachloroethene	0.015	0.013	ND (0.001)/ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)/ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)/ND (0.001)

B-1ADLW	01/23/1996 3 (ft)
1,1,1-Trichloroethane	ND (2)
1,1-Dichloroethane	ND (2)
1,2,4-Trimethylbenzene	ND (2)
1,3,5-Trimethylbenzene	ND (2)
Benzene	ND (2)
bis(2-Ethylhexyl)phthalate	NS
cis-1,2-Dichloroethene	ND (2)
Ethylbenzene	ND (5)
Naphthalene	ND (5)
Nickel	21
Tetrachloroethene	0.028
Toluene	ND (2)
Trichloroethene	ND (2)

B-1ADLE	01/23/1996 3 (ft)
1,1,1-Trichloroethane	ND (2)
1,1-Dichloroethane	ND (2)
1,2,4-Trimethylbenzene	ND (2)
1,3,5-Trimethylbenzene	ND (2)
Benzene	ND (2)
bis(2-Ethylhexyl)phthalate	NS
cis-1,2-Dichloroethene	ND (2)
Ethylbenzene	ND (5)
Naphthalene	ND (5)
Nickel	210
Tetrachloroethene	0.006
Toluene	ND (2)
Trichloroethene	ND (2)

DP0207	04/28/2006 10 (ft)	04/28/2006 15 (ft)
1,1,1-Trichloroethane	ND (0.00018)/ND (0.00018)	0.00091
1,1-Dichloroethane	ND (0.00028)/ND (0.00028)	ND (0.00028)
1,2,4-Trimethylbenzene	ND (0.00014)/ND (0.00014)	ND (0.00013)
1,3,5-Trimethylbenzene	ND (0.00016)/ND (0.00015)	ND (0.00015)
Benzene	0.0023/0.0017	0.0017
bis(2-Ethylhexyl)phthalate	ND (0.13)/ND (0.13)	ND (0.13)
cis-1,2-Dichloroethene	ND (0.00025)/ND (0.00024)	0.0016
Ethylbenzene	ND (0.00011)/ND (0.00011)	ND (0.00011)
Naphthalene	ND (0.00054)/ND (0.00054)	ND (0.00053)
Nickel	28.8/29.2	28.9
Tetrachloroethene	0.023/0.021	0.026
Toluene	0.0013/0.0011	0.0012
Trichloroethene	ND (0.00021)/ND (0.00021)	0.0017

DP0162	03/17/2006 1 - 1.5 (ft)	03/17/2006 3 - 3.5 (ft)
Cobalt	8.85	7.2

DP0163	03/17/2006 1 - 1.5 (ft)
Cobalt	16.6

DP0164	03/17/2006 2.5 - 3 (ft)	03/17/2006 5 - 5.5 (ft)
Cobalt	7.5	5.75/4.35 J

DP0165	03/21/2006 2 - 2.5 (ft)	03/21/2006 5 - 5.5 (ft)
Cobalt	4.55 J	7

DP0151	03/21/2006 1 - 1.5 (ft)	03/21/2006 3 - 3.5 (ft)	03/21/2006 5 - 5.5 (ft)
1,1,1-Trichloroethane	21.9	0.0546 J	ND (0.005)
1,1-Dichloroethane	2.6	0.0411 J	0.0051 J
1,2,4-Trimethylbenzene	0.617	0.561	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	0.188	ND (0.005)
Benzene	1.1	ND (0.002)	ND (0.002)
bis(2-Ethylhexyl)phthalate	0.581	ND (0.25)	NS
cis-1,2-Dichloroethene	13.2	0.386	0.0146
Ethylbenzene	2.93	0.103	ND (0.002)
Naphthalene	1.13	0.0669	ND (0.005)
Nickel	18.2	27.7	NS
Tetrachloroethene	940	6	0.0733
Toluene	24.9	0.143	0.0021 J
Trichloroethene	166	0.843	0.0248

B-1ATANK	01/23/1996 8 (ft)
1,1,1-Trichloroethane	ND (2)
1,1-Dichloroethane	ND (2)
1,2,4-Trimethylbenzene	ND (2)
1,3,5-Trimethylbenzene	ND (2)
Benzene	ND (2)
bis(2-Ethylhexyl)phthalate	NS
cis-1,2-Dichloroethene	ND (2)
Ethylbenzene	ND (5)
Naphthalene	ND (5)
Nickel	19
Tetrachloroethene	0.003
Toluene	ND (2)
Trichloroethene	ND (2)

DP0243	10/01/2008 1 (ft)	10/01/2008 5 (ft)
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)
Benzene	ND (0.001)	ND (0.001)
bis(2-Ethylhexyl)phthalate	NS	NS
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)
Naphthalene	ND (0.001)	ND (0.001)
Nickel	NS	NS
Tetrachloroethene	0.0032	ND (0.001)
Toluene	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)

F-11TW	04/08/1992 5 (ft)
1,1,1-Trichloroethane	NS
1,1-Dichloroethane	NS
1,2,4-Trimethylbenzene	NS
1,3,5-Trimethylbenzene	NS
Benzene	ND (0.1)
bis(2-Ethylhexyl)phthalate	NS
cis-1,2-Dichloroethene	NS
Ethylbenzene	NS
Nickel	NS
Tetrachloroethene	NS
Toluene	ND (0.1)
Trichloroethene	NS

F-11TE	04/08/1992 5.01 (ft)
1,1,1-Trichloroethane	NS
1,1-Dichloroethane	NS
1,2,4-Trimethylbenzene	NS
1,3,5-Trimethylbenzene	NS
Benzene	ND (0.1)
bis(2-Ethylhexyl)phthalate	NS
cis-1,2-Dichloroethene	NS
Ethylbenzene	NS
Nickel	NS
Tetrachloroethene	NS
Toluene	0
Trichloroethene	NS

DP0390	06/25/2015 1 (ft)	06/25/2015 2 (ft)	06/25/2015 5.5 (ft)	06/25/2015 7 (ft)	06/25/2015 8.5 (ft)
1,1,1-Trichloroethane	0.0034 J	0.069	ND (0.00062)	ND (0.00059)	0.0023 J
1,1-Dichloroethane	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	ND (0.00096)	0.0015 J	ND (0.0012)	ND (0.0012)	ND (0.0013)
1,3,5-Trimethylbenzene	ND (0.00096)	ND (0.0009)	ND (0.0012)	ND (0.0012)	ND (0.0013)
Benzene	ND (0.00048)	0.00075 J	ND (0.00062)	ND (0.00059)	ND (0.00064)
bis(2-Ethylhexyl)phthalate	3.92 J	ND (0.067)	ND (0.066)	ND (0.066)	ND (0.066)
cis-1,2-Dichloroethene	0.0469	0.111	ND (0.0014)	ND (0.0013)	0.0078
Ethylbenzene	ND (0.00048)	ND (0.00045)	ND (0.00062)	ND (0.00059)	ND (0.00064)
Nickel	NS	NS	NS	NS	NS
Tetrachloroethene	0.869	1.52	0.0173	0.0179	0.0911
Toluene	ND (0.00048)	ND (0.00045)	ND (0.00062)	ND (0.00059)	ND (0.00064)
Trichloroethene	0.47	0.736	0.003 J	0.0048 J	0.0369

DP0208	05/24/2006 10 (ft)	05/24/2006 15 (ft)
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)
1,1-Dichloroethane	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)
Benzene	ND (0.002)	ND (0.002)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.002)	ND (0.002)
Naphthalene	ND (0.005)	ND (0.005)
Nickel	21.6	13
Tetrachloroethene	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)
Trichloroethene	ND (0.005)	ND (0.005)

DP0388	06/25/2015 1 (ft)	06/25/2015 2 (ft)	06/25/2015 7 (ft)	06/25/2015 8.5 (ft)
1,1,1-Trichloroethane	ND (0.044)	ND (0.024)	0.00072 J	0.0015 J
1,1-Dichloroethane	NS	NS	NS	NS
1,2,4-Trimethylbenzene	ND (0.088)	0.17 J	ND (0.0013)	ND (0.0011)
1,3,5-Trimethylbenzene	ND (0.088)	0.0533 J	ND (0.0013)	ND (0.0011)
Benzene	ND (0.044)	ND (0.024)	ND (0.00066)	ND (0.00054)
bis(2-Ethylhexyl)phthalate	ND (0.067)	ND (0.066)	ND (0.066)	ND (0.067)
cis-1,2-Dichloroethene	0.304 J	0.0912 J	0.0019 J	0.0031 J
Ethylbenzene	ND (0.044)	ND (0.024)	ND (0.00066)	ND (0.00054)
Nickel	NS	NS	NS	NS
Tetrachloroethene	4.74	1.91	0.0465	0.0843
Toluene	ND (0.044)	ND (0.024)	ND (0.00066)	ND (0.00054)
Trichloroethene	1.47	0.66	0.0134	0.0231

DP0274	10/08/2008 1 (ft)	10/08/2008 3 (ft)	10/08/2008 5 (ft)	10/08/2008 10 (ft)
1,1,1-Trichloroethane	ND (0.001)	0.0028	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Naphthalene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Nickel	NS	NS	NS	NS
Tetrachloroethene	0.02	0.478	0.0015	0.04
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	0.0098	ND (0.001)	ND (0.001)

DP0148	03/16/2006 1 - 1.5 (ft)	03/16/2006 5 - 5.5 (ft)
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)/ND (0.005)
1,1-Dichloroethane	ND (0.005)	ND (0.005)/ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)/ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)/ND (0.005)
Benzene	ND (0.002)	ND (0.002)/ND (0.002)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)/ND (0.25)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)/ND (0.005)
Ethylbenzene	ND (0.002)	ND (0.002)/ND (0.002)
Naphthalene	ND (0.005)	ND (0.005)/ND (0.005)
Nickel	23.2	18.9/22.5
Tetrachloroethene	ND (0.005)	ND (0.005)/ND (0.005)
Toluene	ND (0.002)	ND (0.002)/ND (0.002)
Trichloroethene	ND (0.005)	ND (0.005)/ND (0.005)

DP0149	03/16/2006 1.5 - 2 (ft)	03/16/2006 3.5 - 4 (ft)
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)
1,1-Dichloroethane	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	0.0065 J	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)
Benzene	ND (0.002)	ND (0.002)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.002)	ND (0.002)
Naphthalene	ND (0.005)	ND (0.005)
Nickel	15.1	23.9
Tetrachloroethene	ND (0.005)	0.0104
Toluene	ND (0.002)	ND (0.002)
Trichloroethene	0.0053 J	ND (0.005)

DP0155	03/21/2006 1 - 1.5 (ft)	03/21/2006 3 - 3.5 (ft)
1,1,1-Trichloroethane	ND (0.005)/ND (0.005)	ND (0.005)
1,1-Dichloroethane	ND (0.005)/ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)/ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)/ND (0.005)	ND (0.005)
Benzene	ND (0.002)/ND (0.002)	ND (0.002)
bis(2-Ethylhexyl)phthalate	ND (0.25)/ND (0.25)	ND (0.25)
cis-1,2-Dichloroethene	ND (0.005)/ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.002)/ND (0.002)	ND (0.002)
Naphthalene	ND (0.005)/ND (0.005)	ND (0.005)
Nickel	17.2/23.1	26.2
Tetrachloroethene	ND (0.005)/0.0051 J	ND (0.005)
Toluene	ND (0.002)/ND (0.002)	ND (0.002)
Trichloroethene	ND (0.005)/ND (0.005)	ND (0.005)

DP0150	03/21/2006 1.5 - 2 (ft)	03/21/2006 3.5 - 4 (ft)	03/21/2006 5.5 - 6 (ft)
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	1.9	0.777	0.106
1,3,5-Trimethylbenzene	0.541	0.212	0.0299
Benzene	ND (0.002)	ND (0.002)	0.0061 J
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)	NS
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	0.0052 J
Ethylbenzene	0.122	0.0401	0.0092 J
Naphthalene	ND (0.005)	ND (0.005)	0.0171
Nickel	26.2	27.1	NS
Tetrachloroethene	0.205	0.0683	0.0142
Toluene	0.0282 J	0.0304 J	0.0046 J
Trichloroethene	0.0307 J	ND (0.005)	ND (0.005)

DP0153	03/21/2006 1 - 1.5 (ft)	03/21/2006 3 - 3.5 (ft)
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)
1,1-Dichloroethane	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)
Benzene	ND (0.002)	ND (0.002)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.002)	ND (0.002)
Naphthalene	ND (0.005)	ND (0.005)
Nickel	24.4	26.4
Tetrachloroethene	ND (0.005)	0.0324
Toluene	ND (0.002)	ND (0.002)
Trichloroethene	ND (0.005)	ND (0.005)

DP0276	10/08/2008 1 (ft)	10/08/2008 3 (ft)	10/08/2008 5 (ft)	10/08/2008 10 (ft)
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	0.332	0.0029	0.036
1,3,5-Trimethylbenzene	ND (0.001)	0.018	ND (0.001)	0.0059
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS
cis-1,2-Dichloroethene	ND (0.001)	0.002	ND (0.001)	0.002
Ethylbenzene	ND (0.001)	0.0084	ND (0.001)	ND (0.001)
Naphthalene	ND (0.001)	0.0088	0.012	0.0079
Nickel	NS	NS	NS	NS
Tetrachloroethene	0.656	0.03	ND (0.001)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	0.073	0.0017	ND (0.001)	ND (0.001)

DP0273	10/08/2008 1 (ft)	10/08/2008 3 (ft)	10/08/2008 5 (ft)
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)
bis(2-Ethylhexyl)phthalate	NS	NS	NS
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)
Naphthalene	ND (0.001)	ND (0.001)	ND (0.001)
Nickel	NS	NS	NS
Tetrachloroethene	ND (0.001)	0.0022	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)

DP0159	03/16/2006 1 - 1.5 (ft)	03/16/2006 5 - 5.5 (ft)
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)
1,1-Dichloroethane	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)
Benzene	ND (0.002)	ND (0.002)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.002)	ND (0.002)
Naphthalene	ND (0.005)	ND (0.005)
Nickel	24	18.7
Tetrachloroethene	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)
Trichloroethene	0.0154	0.0053 J

DP0152	03/20/2006 1 - 1.5 (ft)	03/20/2006 3 - 3.5 (ft)
1,1,1-Trichloroethane	ND (0.005)/ND (0.005)	ND (0.005)
1,1-Dichloroethane	ND (0.005)/ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)/ND (0.005)	0.238
1,3,5-Trimethylbenzene	ND (0.005)/ND (0.005)	0.0702
Benzene	ND (0.002)/ND (0.002)	0.0072 J
bis(2-Ethylhexyl)phthalate	ND (0.25)/ND (0.25)	ND (0.25)
cis-1,2-Dichloroethene	ND (0.005)/ND (0.005)	0.0124
Ethylbenzene	ND (0.002)/ND (0.002)	0.0168
Naphthalene	ND (0.005)/ND (0.005)	0.0057 J
Nickel	15.1/9.3	28.5
Tetrachloroethene	ND (0.005)/ND (0.005)	0.0258
Toluene	ND (0.002)/ND (0.002)	ND (0.002)
Trichloroethene	ND (0.005)/ND (0.005)	0.0143

DP0161	03/16/2006 1 - 1.5 (ft)	03/16/2006 5 - 5.5 (ft)
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)
1,1-Dichloroethane	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)
Benzene	ND (0.002)	ND (0.002)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.002)	ND (0.002)
Naphthalene	ND (0.005)	ND (0.005)
Nickel	23	18.5
Tetrachloroethene	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)
Trichloroethene	ND (0.005)	ND (0.005)

DP0154	03/20/2006 1 - 1.5 (ft)	03/20/2006 3 - 3.5 (ft)
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)/ND (0.005)
1,1-Dichloroethane	ND (0.005)	ND (0.005)/ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	0.0385/0.0302
1,3,5-Trimethylbenzene	ND (0.005)	0.017/0.0132
Benzene	ND (0.002)	ND (0.002)/ND (0.002)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)/ND (0.25)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)/ND (0.005)
Ethylbenzene	ND (0.002)	ND (0.002)/ND (0.002)
Naphthalene	ND (0.005)	ND (0.005)/ND (0.005)
Nickel	16.6	21.9/21.4
Tetrachloroethene	0.0068 J	0.0131/0.0116
Toluene	ND (0.002)	ND (0.002)/ND (0.002)
Trichloroethene	ND (0.005)	0.0051 J/0.0053 J

DP0156	03/20/2006 1 - 1.5 (ft)	03/20/2006 3 - 3.5 (ft)
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)
1,1-Dichloroethane	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	0.018	ND (0.005)
1,3,5-Trimethylbenzene	0.0052 J	ND (0.005)
Benzene	ND (0.002)	ND (0.002)
bis(2-Ethylhexyl)phthalate	NS	NS/NS
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.002)	ND (0.002)
Naphthalene	ND (0.005)	ND (0.005)
Nickel	13	25.6
Tetrachloroethene	0.007 J	0.0078 J
Toluene	ND (0.002)	ND (0.002)
Trichloroethene	ND (0.005)	ND (0.005)

DP0215	05/23/2006 1 (ft)	05/23/2006 5 (ft)	05/23/2006 10 (ft)	05/23/2006 15 (ft)
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)/ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethane	ND (0.005)	ND (0.005)/ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)/ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)/ND (0.005)	ND (0.005)	ND (0.005)
Benzene	ND (0.002)	ND (0.002)/ND (0.002)	ND (0.002)	ND (0.002)
bis(2-Ethylhexyl)phthalate	NS	NS/NS	NS	NS
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)/ND (0.005)	ND (0.005)	ND (0.005)
Ethylbenzene	ND (0.002)	ND (0.002)/ND (0.002)	ND (0.002)	ND (0.002)
Naphthalene	ND (0.005)	ND (0.005)/ND (0.005)	ND (0.005)	ND (0.005)
Nickel	NS	NS/NS	NS	NS
Tetrachloroethene	0.0082 J	ND (0.005)/ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)/ND (0.002)	ND (0.002)	ND (0.002)
Trichloroethene	ND (0.005)	ND (0.005)/ND (0.005)	ND (0.005)	ND (0.005)

LEGEND

- APPROXIMATE PROPERTY LINE
- 005 BUILDING OUTLINE
- 20 100 FT. GRID
- FENCE
- SOIL BORING LOCATION
- SOIL GAS SAMPLE LOCATION
- SOIL BORING AND SOIL GAS SAMPLE LOCATION
- ET55 ENVIRONMENTAL TARGET
- ET13 ENVIRONMENTAL TARGET EXCEEDS SOIL REMEDIATION GOALS
- SOIL BORING WITH ONE OR MORE SAMPLES EXCEEDING SOIL REMEDIATION GOALS
- SI-00x KNOWN SOIL IMPACT AREA
- PIT
- DRAIN
- CLARIFIER
- TRENCH DRAIN
- EQUIPMENT PAD

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. SOIL CONCENTRATIONS SHOWN IN MG/KG.
3. ND - NOT DETECTED
   NS - NOT SAMPLED
   (ft) - DEPTH BELOW GROUND SURFACE IN FEET
4. CONCENTRATIONS IN RED EXCEED SOIL REMEDIATION.

N W E S

0 30 60

APPROXIMATE SCALE IN FEET

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CANOGA PARK, CALIFORNIA

KNOWN SOIL IMPACTS SI-009 AND SI-010

SCALE: AS SHOWN
AUGUST 2015

FIGURE 4E

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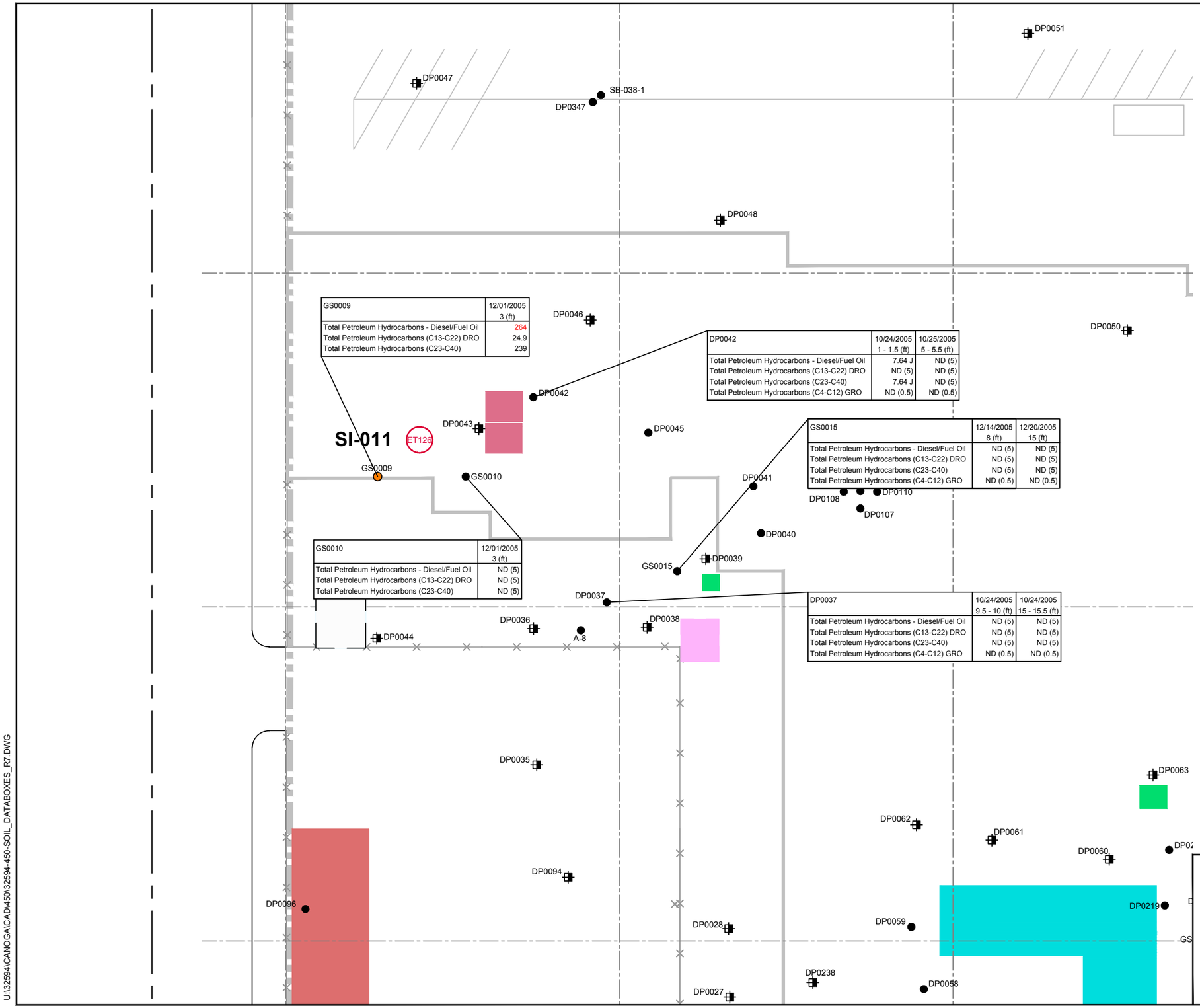

GS0009	12/01/2005 3 (ft)
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	264
Total Petroleum Hydrocarbons (C13-C22) DRO	24.9
Total Petroleum Hydrocarbons (C23-C40)	239

DP0042	10/24/2005 1 - 1.5 (ft)	10/25/2005 5 - 5.5 (ft)
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	7.64 J	ND (5)
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C23-C40)	7.64 J	ND (5)
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)

GS0015	12/14/2005 8 (ft)	12/20/2005 15 (ft)
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)

GS0010	12/01/2005 3 (ft)
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)
Total Petroleum Hydrocarbons (C23-C40)	ND (5)

DP0037	10/24/2005 9.5 - 10 (ft)	10/24/2005 15 - 15.5 (ft)
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)

LEGEND

- APPROXIMATE PROPERTY LINE
- 005 BUILDING OUTLINE
- 20 100 FT. GRID
- FENCE
- SOIL BORING LOCATION
- SOIL GAS SAMPLE LOCATION
- SOIL BORING AND SOIL GAS SAMPLE LOCATION
- ET13 ENVIRONMENTAL TARGET EXCEEDS SOIL REMEDIATION GOALS
- PLATING SOLUTION PIT
- SUMP
- VAULT
- PIT
- COOLING TOWER
- SOIL BORING WITH ONE OR MORE SAMPLES EXCEEDING SOIL REMEDIATION GOALS
- SI-00x KNOWN SOIL IMPACT AREA

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. SOIL CONCENTRATIONS SHOWN IN MG/KG.
3. ND - NOT DETECTED
   NS - NOT SAMPLED
   (ft) - DEPTH BELOW GROUND SURFACE IN FEET
4. CONCENTRATIONS IN RED EXCEED SOIL REMEDIATION.

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KNOWN SOIL IMPACTS
SI-011

SCALE: AS SHOWN
AUGUST 2015

FIGURE 4F

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HARD DEMOLITION

Assessment and Remediation Program

(1) Environmental Targets Not Investigated and Other Areas

- Phase II Information Review
- Field Locating of Known Impacts in Area
- Visual Observation
- Vapor and Headspace Monitoring
- Identification of New Impacts

(2) Previously Inaccessible Environmental Targets

- Phase II Information Review
- Field Locate and Protect
- Collect Soil Samples

(3) Known Impacts

- Phase II Information Review
- Compare to Acceptable Concentrations
- Field Locate and Protect

Observations indicate Impacts? — No

Yes → Impacts Appear Isolated or Limited? — Yes

No → Soil Sampling & Analysis → Is Additional Delineation Needed? — Yes → Conduct Additional Delineation in Accordance With SMP → Affected Area Delineated ? — No

Affected Area Delineated ? — Yes

Is Additional Delineation Needed? — No

Develop Sampling Scope ← Is Additional Delineation Needed? — Yes

Develop Sampling Scope → Soil Sampling & Analysis

Is Additional Delineation Needed? — No → Develop / Redefine Excavation Scope

Soil Sampling & Analysis → Yes → Develop / Redefine Excavation Scope

Develop / Redefine Excavation Scope → Mitigation of Affected Area by Excavation → Confirmation Sampling

Confirmation Sampling → Are Results > Maximum Acceptable Concentrations or New Chemicals Present?

Are Results > Maximum Acceptable Concentrations or New Chemicals Present? — Yes → Re-evaluate Acceptable Concentrations or Continue Excavation

Re-evaluate Acceptable Concentrations or Continue Excavation — OR → Consult Risk Assessment Team Figure 5b

Re-evaluate Acceptable Concentrations or Continue Excavation — OR → Excavation Practical?

Excavation Practical? — No → Remediation Solution Outside SMP

Excavation Practical? — OR → Are Results > Maximum Acceptable Concentrations or New Chemicals Present?

Are Results > Maximum Acceptable Concentrations or New Chemicals Present? — No → Backfill & Restore Selected Area

Are Results > Maximum Acceptable Concentrations or New Chemicals Present? — No → OR

Are Results > Maximum Acceptable Concentrations or New Chemicals Present? — Yes → Re-evaluate Acceptable Concentrations or Excavate

Re-evaluate Acceptable Concentrations or Excavate — OR → Consult Risk Assessment Team Figure 5b

Re-evaluate Acceptable Concentrations or Excavate — OR → Excavation Practical?

Consult Risk Assessment Team Figure 5b → Are Results > Maximum Acceptable Concentrations or New Chemicals Present?

SOIL STOCKPILE / CONTAINER MANAGEMENT

Stockpile / Container Management & Characterization → Are In-Situ & Ex-Situ Results > Maximum Acceptable Soil Concentrations or New Chemicals Present? — Yes → Consult Risk Assessment Team Figure 5b → On-Site Treatment Viable? — Yes → On-Site Soil Remediation and Reuse Plan with WDR Application Submitted to Regional Water Quality Control Board for Review and Approval

On-Site Treatment Viable? — No → Load, and Transport Soil Stockpile for Off-Site Disposal / Treatment

Are In-Situ & Ex-Situ Results > Maximum Acceptable Soil Concentrations or New Chemicals Present? — No → Backfill & Restore Selected Area

Backfill & Restore Selected Area → Acceptable Off-Site Fill Material Available for On-Site Use

Backfill & Restore Selected Area → On-Site Fill Material Available for On-Site Use

Acceptable Off-Site Fill Material Available for On-Site Use — Yes → Consult Risk Team - Soil Suitable for Import? — No → Reject Potential Off-Site Fill Material

Consult Risk Team - Soil Suitable for Import? — Yes → Characterization of Potential Off-Site Source Area Material for Backfill → Potential Off-Site Fill Material Source Area

IMPORT SOIL DECISION LOOP

Load, and Transport Soil Stockpile for Off-Site Disposal / Treatment → Notify UTC

Notify UTC

- Perform Required Reporting & Documentation
- Upload Field Data to Database
- Update Site Map
- Issue Request for NFA

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GENERALIZED SOIL MANAGEMENT PROGRAM DECISION FLOWCHART

AUGUST 2015

FIGURE 5A

Human Health Risk Assessment and Groundwater Protection Level Determination

Shallow Soil Screening Level Risk Assessment & Groundwater Protection Assessment

- Previous Investigation Data Review from Database

Retrieve & Review Soil Concentration Data from Database & Laboratory Analytical Reports

Determine Groundwater Protection Levels for Shallow Soil

Determine Human Health Protection Levels for Shallow Soil

Identify Initial Shallow Maximum Acceptable Soil Concentration (SRG) as Lower of Health or Groundwater Protection Levels

SRG Table

Consult Risk Assessment Team From Figure 5a

Soil Sampling & Analysis Result Scenarios

Scenario 2. Concentrations > Max. Acceptable Concentration & No New Chemicals Identified

Scenario 3. Concentrations ≤ Max. Acceptable Concentration & New Chemicals Identified

Scenario 4. Concentrations > Max. Acceptable Concentration & New Chemicals Identified

Re-Evaluate Acceptable Concentrations or Excavate

Go To Excavation Practical? Figure 3a

Or

Or

Determine Groundwater Protection Levels for Shallow Soil

Determine Human Health Protection Levels for Shallow Soil

Modified Maximum Allowable Shallow Soil Concentrations

Revised SRG Table

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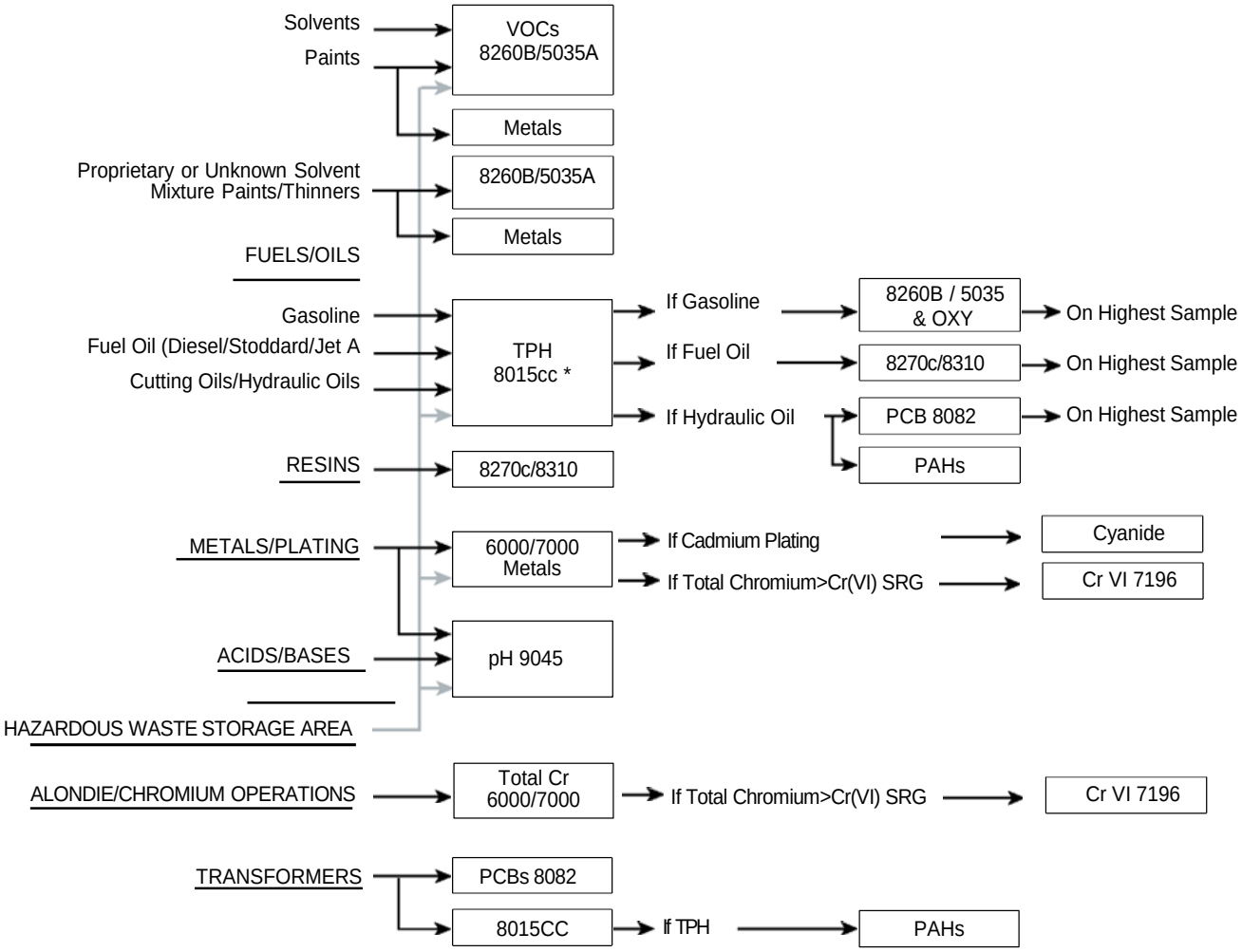
SCREENING LEVEL RISK ASSESSMENT DECISION FLOWCHART

AUGUST 2015

FIGURE 5B

SUSPECTED IMPACTS BASED ON ENVIRONMENTAL TARGETS:



LEGEND

NOTE: *WHEN COLLECTING SOIL SAMPLES THAT ARE TO BE ANALYZED FOR TPH, AN ADDITIONAL SOIL SAMPLE WILL NEED TO BE COLLECTED USING EPA METHOD 5035 FOR VOC ANALYSIS, SHOULD VOC ANALYSIS BE REQUIRED. THE ADDITIONAL SAMPLE WILL BE COLLECTED FROM A LOCATION AS NEAR AS PRACTICAL TO THE LOCATION WHERE THE TPH SOIL SAMPLE WAS COLLECTED

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ANALYTICAL METHOD SELECTION PROCESS

AUGUST 2015

FIGURE 6

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APPENDIX A

LARWQCB and OEHHA Comments Letters and UTC Responses

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

January 22, 2015

Mr. David Curnock
United Technologies Corporation
EHS Mail Stop 503
1 Financial Plaza
Hartford, CT 06101

SUBJECT: COMMENTS OF DRAFT SOIL MANAGEMENT PLAN FOR ASSESSMENT, REMEDIATION AND CONFIRMATION SAMPLING OF VADOSE ZONE SOILS

SITE/CASE: PRATT & WHITNEY-ROCKETDYNE, THE FORMER BOEING CANOGA AVENUE FACILITY, 6633 CANOGA AVE., CANOGA PARK, CA (SCP NO. 0237A, SITE ID NO. 2040214)

Dear Mr. Curnock:

We have received the "Draft Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils" (Draft SMP) dated October 2, 2014, prepared by your consultant Haley & Aldrich for the referenced site. The Draft SMP which includes a Human Health Risk Assessment establishes the soil remediation goals (SRGs) and procedures for assessment and remediation of soil impacts and confirmation sampling should impacted soil be excavated to protect human health and the environment. Upon the approval by the Regional Board, the final SMP will be implemented as the site's existing buildings, foundation slabs, and surface pavement are removed during demolition; and provide the framework for soil management practices once the demolition has been completed.

I. The following information is provided in the Draft SMP:

1. Various site assessments completed to date have identified over one hundred and twenty-seven environmental targets (ETs) throughout the site. The draft SMP provides the procedures in which the ETs will be further assessed and remediated if warranted.

2. Those ETs that have not been adequately investigated to date will continue to be tracked and monitored during demolition activities according to the assessment protocols developed in the Draft SMP.

3. Site-specific SRGs are developed for both soil matrix and soil gas. The SRGs will be based on the lowest concentrations that are needed to protect human health and groundwater resources.

II. We have reviewed the Draft SMP and have the following comments:

1. We forwarded the Draft SMP, including Appendix A, Human Health Risk Assessment, to the Office of Environmental Health Hazard Assessment (OEHHA) for their review. OEHHA

provided their comments on the risk assessment to this Regional Board in a memorandum dated December 5, 2014 (copy enclosed). Please review the OEHHA memorandum and submit your responses to this Regional Board as soon as possible. Your responses will be forward to OEHHA for further review.

2. Please update the Draft SMP to include an evaluation of the storm water and/or surface water protection requirements for the site during and after the building demolition.

3. The groundwater protection SRGs for total petroleum hydrocarbons (TPH), which includes gasoline range from (C6 to C10), diesel (C10 to C28), and the heavier oil range hydrocarbons (C29+), are proposed to be the residual saturation concentrations of TPH in on-site soil at the various carbon ranges. The residual saturation concentrations of TPH are basically the liquid-phase TPH that cannot be mobilized and recovered from the soil using hydraulic methods; but TPH at or below their residual saturation concentrations can still migrate into other phases by either being absorbed, vaporized, or dissolved in the subsurface soil and groundwater. These proposed SRGs for TPH are not protective of the underlying groundwater quality. Please use the Regional Board cleanup guidebook to develop these TPH soil cleanup goals for groundwater protection; and use other appropriate TPH soil screening levels or conduct a site-specific human health risk assessment to develop the human health protection SRGs for TPH-impacted soil at the site.

4. Please develop SRGs for each chemical of potential concern identified at the site. The SRGs developed must be protective of both human health and the underlying groundwater quality. Please remove the column, *Maximum Acceptable Vadose Zone Soil Concentrations,* from Table III, Soil Remediation Goals and Maximum Acceptable Vadose Zone Soil Concentrations. The Draft SMP indicates that the Maximum Acceptable Vadose Zone Soil Concentrations are the maximum existing concentrations for the compounds detected/identified on-site. They are not the acceptable cleanup goals for the soil at the site. Table III should summarize the SRGs both for human health and groundwater protection.

5. Groundwater underlies the subject site at approximately 15 to 19 feet below ground surface. Please develop soil cleanup goals per 5-foot depth intervals that are protective of the underlying groundwater quality.

Please submit a revised Draft SMP for the Regional Board's review and approval. The revised Draft SMP must incorporate all the above referenced comments. The revised Draft SMP must also address any additional comments from OEHHA for the site.

If you have any questions, please contact Ms. Ana Townsend at (213) 576-6738 or ana.townsend@waterboards.ca.gov.

Sincerely,

Samuel Unger

Samuel Unger, P.E.
Executive Officer

Enclosure: OEHHA Memorandum dated December 5, 2014

E-Mailing List: see next page

E-Mailing List
Thomas Tatnall, Haley & Aldrich, Inc.
Kelly Hoggan, Haley & Aldrich, Inc.
Hedi Rous, PCR Services Corporation
Dennis Watsabaugh, Jones Lang LaSalle

Office of Environmental Health Hazard Assessment

George Alexeeff, Ph.D., D.A.B.T. Director
Headquarters • 1001 I Street • Sacramento, California 95814
Mailing Address: P.O. Box 4010 • Sacramento, California 95812-4010
Oakland Office • Mailing Address: 1515 Clay Street, 16th Floor • Oakland, California 94612

Matthew Rodriquez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

MEMORANDUM

TO: Ana Townsend
Water Resources Control Engineer
California Regional Water Quality Control Board, Los Angeles Region
320 West 4th Street, Suite 200 1st Floor
Los Angeles, California 90013

FROM: James C. Carlisle, D.V.M., M.Sc., J. C.
Staff Toxicologist
Air, Community, and Environmental Research Branch

DATE: December 5, 2014

SUBJECT: HUMAN HEALTH RISK ASSESSMENT, UNITED TECHNOLOGIES CORPORATION, CANOGA AVENUE FACILITY, CANOGA PARK, CALIFORNIA (R4-14-30; OEHHA #880142-03)

Document reviewed

- Human Health Risk Assessment, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California by Haley & Aldrich, Inc., dated October 2, 2014,

Chemicals of potential concern (COPCs)

- COPCs included detected PCBs, VOCs, and metals that were considered to be above background levels. OEHHA has questions regarding selected metals:
    - Page 3 identifies antimony, cadmium, cobalt, copper, nickel, selenium, and zinc as COPCs, but Table VIII includes only antimony, cobalt, copper, and nickel.
    - As noted in the text, mercury and arsenic have apparent break points on the histograms and/or QQ plots. Arsenic is said to have no known history of on-site use, but the only argument for eliminating mercury is that other metals were not present at the location where it was elevated.

Conceptual site model

- Haley & Aldrich evaluated risks and hazards to residents and construction workers from contaminants in soil and soil vapor.
- Per your check-list, OEHHA focused on the residents.
- Pathways included inhalation, ingestion, and dermal contact.

Exposure point concentrations

- Haley & Aldrich used the maximum detected COPC concentrations in soil and soil gas as the basis for residential exposure point concentrations.

Vapor intrusion risks and hazards

- OEHHA is concerned that Haley & Aldrich's vapor intrusion analysis could underestimate vapor intrusion risk and hazard. The calculated attenuation factors for 5-foot samples range from 0.0000013 to 0.000035. While Haley & Aldrich has provided laboratory data to support this assessment, OEHHA questions the soil parameters. Soil layer B is reported as 95% saturated, which is unlikely to be representative of soil under a building
- According to DTSC (2011) "*In certain situations, the USEPA Vapor Intrusion Model can yield very low attenuation factors, exceeding reasonable values. DTSC does not anticipate that many sites will have attenuation factors of less than 0.0002 for shallow soil gas as indicated by the empirical data in USEPA's database. Hence, when using the USEPA Vapor Intrusion Model in site specific evaluations, particularly for brownfields redevelopment, the attenuation factors are expected to range from 0.002 to 0.0002. The use of attenuation factors less than 0.0002 should be fully explained and justified using site-specific information and a weight of evidence approach.*"

Risks and hazards from contaminants in soil matrix and risk-based target soil matrix concentrations (RBTCs)

- Haley & Aldrich evaluated combined risks and the hazard index to residents based on maximum contaminant concentrations in soil from ingestion, dermal contact, and inhalation of soil particles as 1×10^{-2} and 20, respectively). OEHHA was able to replicate these risk and hazard estimates (see table below).
- OEHHA estimated slightly higher risks and hazards from vapors in outdoor air than Haley & Aldrich (9×10^{-4} versus 6×10^{-4} and 30 versus 19, respectively). However, neither of these risk estimates was adjusted for extra sensitivity of infants and children.
- OEHHA estimated combined cancer risk at the soil RBTCs as 7×10^{-5}, primarily due to nickel. This is above the risk target of 10^{-6}. The hazard index (HI) estimate was 0.8, below the HI target of 1.
- OEHHA estimated combined outdoor cancer risk at the risk-based target soil VOC concentrations as 4×10^{-7}, below the risk target of 10^{-6}.

Risks and hazards from contaminants in soil gas and risk-based target soil gas concentrations (RBTCs)

- Haley & Aldrich evaluated indoor inhalation risks and hazards to residents based on maximum contaminant concentrations in soil gas using the Johnson and Ettinger model with site-specific soil parameters for two soil layers. Although OEHHA was able to replicate Haley & Aldrich's risk and hazard estimates (see

table below), OEHHA is concerned about the very low attenuation factors. These low attenuation factors result in indoor inhalation risk estimates that are 0.5% of OEHHA's outdoor VOC inhalation risk estimates, a result that is not plausible.

- Using the minimum attenuation factor recommended by DTSC (0.0002), OEHHA estimated inhalation risk to residents from vapors in indoor air of 3×10^{-4} with a hazard index (HI) of 9.
- OEHHA also estimated combined indoor cancer risk at the proposed RBTCs using the minimum default attenuation factor of 0.0002. OEHHA's risk estimate was 1×10^{-5} and the HI was 0.6. (Using Haley & Aldrich's attenuation factors. OEHHA's estimate was 2×10^{-7} and the HI estimate was <1.)
- OEHHA also estimated combined inhalation risk to residents from vapors in outdoor air of 8×10^{-7}, with a hazard index (HI) of 4. Haley & Aldrich did not estimate risk to residents from vapors in outdoor air based on VOCs in soil gas. OEHHA's estimated outdoor cancer risk at the soil gas RBTCs as 4×10^{-8}, below the risk target of 10^{-6} with a hazard index (HI) of <1.

Summary

- OEHHA's results are compared with Haley & Aldrich's results in the table below:

	Haley & Aldrich		OEHHA (baseline)		OEHHA (RBTCs)		
Soil	Risk	HI	Risk	HI	Risk	Risk w/ PA[1]	HI
Particles	1×10^{-2}	20	1×10^{-2}	20	7×10^{-5}	2×10^{-4}	<1
Vapors	6×10^{-4}	19	9×10^{-4}	30	4×10^{-7}	9×10^{-7}	<1
Soil gas							
Indoor	3×10^{-6}	<1	3×10^{-4}	9	1×10^{-5}	3×10^{-5}	<1
Outdoor			8×10^{-7}	<1	4×10^{-8}	9×10^{-8}	<1

1. Potency adjusted to reflect the extra sensitivity of children and infants.

- OEHHA cannot support Haley & Aldrich's RBTCs for soil, since the risk at these target concentrations is 7×10^{-5}, above the target risk of 10^{-6}.
- OEHHA questions Haley & Aldrich's RBTCs for soil gas. Haley & Aldrich's low estimated indoor inhalation risks and hazards to residents depend on very low attenuation factors outside DTSC's expected range. OEHHA's calculated risk at the soil gas RBTCs is 1×10^{-5}, using DTSC's minimum default attenuation factor of 0.0002. The estimate would be 3×10^{-5} if the enhanced sensitivity of infants and children is taken into account.

Conclusions

- Pending further explanation, OEHHA cannot support Haley & Aldrich's RBTCs for soil, since the estimated risk at these target concentrations is > 10^{-6}.
- For vapor intrusion risk, the actual attenuation factor (AF) is unknown, but Haley & Aldrich's very low AF estimates could underestimate vapor intrusion.

Internal peer reviewer:

H.H.

Hristo Hristov, MD, PhD
Staff Toxicologist

Reference

- DTSC, 2011, Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance) Department of Toxic Substances Control, California Environmental Protection Agency, October, 2011

HALEY & ALDRICH, INC.
3187 Red Hill Ave
Suite 155
Costa Mesa, CA 92626
714.371.1800

18 March 2015
File No. 32594-454

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Attention: Ms. Ana Townsend

Subject: Response to OEHHA Comments dated 5 December 2014
Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils
United Technologies Corporation
Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303
LARWQCB Case #0237A, Site ID No. 2040214

Dear Ms. Townsend:

On behalf of United Technologies Corporation, Haley & Aldrich, Inc. is providing this Response to Comments from the Office of Environmental Health Hazard Assessment, dated 5 December 2014, on the DRAFT Soil Management Plan (SMP) prepared by Haley & Aldrich, dated 2 October 2014. These comments were attached to the Los Angeles Regional Water Quality Control Board's (LARWQCB) letter dated 22 January 2015. Per our recent discussion it was determined that we should address the Office of Environmental Health Hazard Assessment comments and the LARWQCB comments in separate submissions to enable a more focused and expeditious review process. A response to the LARWQCB comments will be submitted shortly. Please do not hesitate to contact us with any questions. We appreciate your attention to this matter.

Sincerely yours,
HALEY & ALDRICH, INC.

Thomas S. Tatnall, C.E.G #1968
Program Manager

Attachments:
Response to OEHHA Comments dated 5 December 2014

c: United Technologies Corporation; Attn: David Curnock
Haley and Aldrich, Inc.; Attn: Anita Broughton

RESPONSE TO OEHHA COMMENTS DATED 5 DECEMBER 2014
DRAFT SOIL MANAGEMENT PLAN FOR ASSESSMENT, REMEDIATION AND CONFIRMATION SAMPLING OF VADOSE ZONE SOILS
UNITED TECHNOLOGIES CORPORATION CANOGA AVENUE FACILITIY, 6333 CANOGA AVE., CANOGA PARK, CA
(SCP NO. 0237A, SITE ID NO. 2040214)
DATED 2 OCTOBER 2014

Comment No.	Comment	Haley & Aldrich Response
OEHHA Comments dated December 5, 2014, attached to LARWQCB letter as referenced in LARWQCB letter comment 1.		
Chemicals of potential concern (COPCs)		
OEHHA Page 1	COPCs included detected PCBs, VOCs, and metals that were considered to be above background levels. OEHHA has questions regarding selected metals: • Page 3 identifies antimony, cadmium, cobalt, copper, nickel, selenium, and zinc as COPCs, but Table VIII includes only antimony, cobalt, copper, and nickel. • As noted in the text, mercury and arsenic have apparent break points on the histograms and/or QQ plots. Arsenic is said to have no known history of on-site use, but the only argument for eliminating mercury is that other metals were not present at the location where it was elevated.	The metals listed on page 3 are those that are considered to be present onsite at concentrations greater than onsite background thresholds. The metals listed in Table VIII are those that warrant remediation. Those metals that are not listed in Table VIII do not require remediation; since, they are not present onsite at concentrations that contribute to elevated human health risks. In response to this comment, a footnote will be added to Table VIII to provide this clarification. Based on information regarding the onsite historical operations, the concentrations of mercury do not appear to be present above background levels. Even so, it should be noted that the highest detected mercury concentration, 3 mg/kg, potentially at a break point on the Q-Q plot, is located within an area identified as warranting remediation of soil containing volatile organic compound (VOC) concentrations. Excavating the VOC-impacted soil will result in the removal of the soil containing this mercury concentration. The second highest onsite mercury concentration, 0.3 mg/kg, typical of regional background concentrations, is located at a depth of 5 feet below ground surface, in a separate location of the site. Other metals at and in proximity to both of these sample locations are not present at concentrations greater than onsite background thresholds.
Conceptual site model		
OEHHA Page 1	• Haley & Aldrich evaluated risks and hazards to residents and construction workers from contaminants in soil and soil vapor. • Per your check-list, OEHHA focused on the residents. • Pathways included inhalation, ingestion, and dermal contact.	These comments are noted and do not require a response.
Exposure point concentrations		
OEHHA Page 2	Haley & Aldrich used the maximum detected COPC concentrations in soil and soil gas as the basis for residential exposure point concentrations.	This comment was noted and does not require a response.

RESPONSE TO OEHHA COMMENTS DATED 5 DECEMBER 2014
DRAFT SOIL MANAGEMENT PLAN FOR ASSESSMENT, REMEDIATION AND CONFIRMATION SAMPLING OF VADOSE ZONE SOILS
UNITED TECHNOLOGIES CORPORATION CANOGA AVENUE FACILITIY, 6333 CANOGA AVE., CANOGA PARK, CA
(SCP NO. 0237A, SITE ID NO. 2040214)
DATED 2 OCTOBER 2014

Comment No.	Comment	Haley & Aldrich Response
Vapor intrusion risks and hazards		
OEHHA Page 2	OEHHA is concerned that Haley & Aldrich's vapor intrusion analysis could underestimate vapor intrusion risk and hazard. The calculated attenuation factors for 5-foot samples range from 0.0000013 to 0.000035. While Haley & Aldrich has provided laboratory data to support this assessment, OEHHA questions the soil parameters. Soil layer B is reported as 95% saturated, which is unlikely to be representative of soil under a building.	OEHHA (Dr. Carlisle) had a similar comment in the previous HHRA prepared for the site dated 18 April 2007 titled "Appendix B, Human Health Screening Evaluation", where the same data was used in the vapor intrusion evaluation. The previous OEHHA comment stated: "While remediation targets for soils appear to be adequate, the targets for exposures to VOCs in soil gas by inhalation raise some serious questions: The vapor intrusion modeling is very sensitive to the parameters used, and, in particular, to "water-filled soil porosity" (i.e. soil moisture). Soil moisture changes with the seasons; soils under a building are typically much drier than those surrounding the building. The values H&A used in modeling migration of soil vapors to indoor air reflect nearly saturated soil, and reduce the predicted indoor air concentration by a factor of 500 compared to default soil moisture." In response to this comment, Haley & Aldrich defended the use of the soil property data obtained from the site in a letter dated 8 June 2007 and titled "Response to Item 9 LARWQCB Comments Letter Dated 9 May 2007 on Site-wide Soil and Soil Gas Investigation Report: Pratt & Whitney – Rocketdyne Facility (SLIC NO. 0237A, SITE ID NO. 2040214) 6633 Canoga Avenue, Canoga Park, California, Dated 22 February 2007". The 8 June 2007 response to this comment is "Soil samples used to analyze subsurface geology were collected from beneath the Building 038 concrete slab. Soil beneath this slab was not exposed to direct precipitation and the soil samples were collected in early November 2005, at the end of the historical summer dry season. In addition, no measurable rainfall was recorded between the months of June and September 2005 and only approximately 2 inches of rainfall was measured during October and November 2005 as shown on the monthly rainfall chart from the Canoga Park Pierce College Weather Station, located approximately 1 mile from the site (Figure 1). Figure 1 also indicates that the minimal rain recorded occurred after collection of the soil samples and thus it is likely that soil beneath the site would be moister during the time of sample collection. In addition, because groundwater occurs at approximately 16 feet below ground surface (bgs) and the soil beneath the site is relatively fine-grained it is therefore not surprising that the vadose zone soils are relatively moist. In conclusion, the water-filled porosity measured in the soil samples collected at the site are believed to be representative of soil conditions typical of drier times of the year. Their use in the vapor intrusion modeling would yield conservative (overestimates) of indoor air concentrations and, thus, health risk over the entire year. Therefore, the vapor intrusion evaluation is considered to be an appropriately conservative estimate of health risks associated with potential future subsurface vapor intrusion from site-related COPCs at the site." In response to the 8 June 2007 letter, the LARWQCB stated the following in a 17 July 2007 letter: "In response to comment number 9, a separate report, "Response to Item 9 LARWQCB Comments Letter Dated 9 May 2007 on Site-wide Soil and Soil Gas Investigation Report: Pratt & Whitney – Rocketdyne Facility" was submitted to this Regional Board for OEHHA's review and approval. On June 11, 2007, we forwarded this report to OEHHA for their review and on June 28, 2007, OEHHA provided this Regional Board with a memorandum with their response to your comments. Based on OEHHA's review and recommendations, we concur with your response to comments and have no other issues with this item." Consistent with OEHHA's previous review and concurrence of the response to this comment, no revisions to the attenuation factors used in the HHRA are proposed.
OEHHA Page 2	According to DTSC (2011) *"In certain situations, the USEPA Vapor Intrusion Model can yield very low attenuation factors, exceeding reasonable values. DTSC does not anticipate that many sites will have attenuation factors of less than 0. 0002 for shallow soil gas as indicated by the empirical data in USEPA's database. Hence, when using the USEPA Vapor Intrusion Model in site specific evaluations, particularly for brownfields redevelopment, the attenuation factors are expected to range from 0. 002 to 0. 0002. The use of attenuation factors less than 0. 0002 should be fully explained and justified using site-specific information and a weight of evidence approach."*	

RESPONSE TO OEHHA COMMENTS DATED 5 DECEMBER 2014
DRAFT SOIL MANAGEMENT PLAN FOR ASSESSMENT, REMEDIATION AND CONFIRMATION SAMPLING OF VADOSE ZONE SOILS
UNITED TECHNOLOGIES CORPORATION CANOGA AVENUE FACILITIY, 6333 CANOGA AVE., CANOGA PARK, CA
(SCP NO. 0237A, SITE ID NO. 2040214)
DATED 2 OCTOBER 2014

Comment No.	Comment	Haley & Aldrich Response
Risks and hazards from contaminants in soil matrix and risk-based target soil matrix concentrations (RBTCs)		
OEHHA Page 2	Haley & Aldrich evaluated combined risks and the hazard index to residents based on maximum contaminant concentrations in soil from ingestion, dermal contact, and inhalation of soil particles as 1 x 10^{-2} and 20, respectively). OEHHA was able to replicate these risk and hazard estimates (see table below).	This comment was noted and does not require a response.
OEHHA Page 2	OEHHA estimated slightly higher risks and hazards from vapors in outdoor air than Haley & Aldrich (9 x 10^{-4} versus 6 x 10^{-4} and 30 versus 19, respectively). However, neither of these risk estimates was adjusted for extra sensitivity of infants and children.	It is unclear from this comment why OEHHA's risk estimates are higher than those presented by Haley & Aldrich. This result reportedly affects the baseline risk estimates, but as indicated in later comments does not impact the risk calculations that include the RBTCs. No revisions to the HHRA calculations are proposed in response to this comment.
OEHHA Page 2	OEHHA estimated combined cancer risk at the soil RBTCs as 7 x 10^{-5}, primarily due to nickel. This is above the risk target of 10^{-6}. The hazard index (HI) estimate was 0.8, below the HI target of 1.	Since the RBTC for nickel was set at the background threshold, Haley & Aldrich set the concentration of nickel in the RBTC risk calculations to zero, assuming that remediation for nickel would be conducted to the onsite background threshold. When the nickel concentration in the HHRA calculation is instead set to the background threshold concentration, the risk estimates equal those presented by OEHHA in this comment. No revisions to the HHRA calculations are proposed, as the OEHHA results confirms that remediation of nickel to the site-specific background threshold results in acceptable human health risks.
OEHH Page 2	OEHHA estimated combined outdoor cancer risk at the risk-based target soil VOC concentrations as 4 x 10^{-7}, below the risk target of 10^{-6}.	This comment was noted and does not require a response.
Risks and hazards from contaminants in soil gas and risk-based target soil gas concentrations (RBTCs)		
OEHHA Page 2	Haley & Aldrich evaluated indoor inhalation risks and hazards to residents based on maximum contaminant concentrations in soil gas using the Johnson and Ettinger model with site-specific soil parameters for two soil layers. Although OEHHA was able to replicate Haley & Aldrich 's risk and hazard estimates (see table below), OEHHA is concerned about the very low attenuation factors. These low attenuation factors result in indoor inhalation risk estimates that are 0.5% of OEHHA's outdoor VOC inhalation risk estimates, a result that is not plausible.	The response to these comment (15, 16, and 17) are the same as the above response to comments 9 and 10.
OEHHA Page 3	Using the minimum attenuation factor recommended by DTSC (0.0002), OEHHA estimated inhalation risk to residents from vapors in indoor air of 3 x 10^{-4} with a hazard index (HI) of 9.	
OEHHA Page 3	OEHHA also estimated combined indoor cancer risk at the proposed RBTCs using the minimum default attenuation factor of 0.0002. OEHHA's risk estimate was 1 x 10^{-5} and the HI was 0.6. (Using Haley & Aldrich's attenuation factors. OEHHA's estimate was 2 x 10^{-7} and the HI estimate was <1 .)	
OEHHA Page 3	OEHHA also estimated combined inhalation risk to residents from vapors in outdoor air of 8 x 10^{-7}, with a hazard index (HI) of 4. Haley & Aldrich did not estimate risk to residents from vapors in outdoor air based on VOCs in soil gas. OEHHA's estimated outdoor cancer risk at the soil gas RBTCs as 4 x 10^{-8}, below the risk target of 10^{-6} with a hazard index (HI) of <1.	As stated in this comment, Haley & Aldrich used the soil matrix concentrations in the estimation of risks from the vapors in outdoor air inhalation pathway. The use of soil matrix data is consistent with EPA and DTSC risk assessment guidance for estimating health risks from vapors in outdoor air. The cancer risk and HI using soil matrix were each higher than those derived by OEHHA using soil gas data. Since, the risks presented in the HHRA may, therefore, be considered to be conservative estimates of risks for this pathway, no revisions to the HHRA calculations are proposed in response to this comment.

RESPONSE TO OEHHA COMMENTS DATED 5 DECEMBER 2014
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<table>
<tr><th>Comment No.</th><th>Comment</th><th>Haley & Aldrich Response</th></tr>
<tr><td colspan="3">Summary</td></tr>
<tr><td>OEHHA
Page 3</td><td>OEHHA's results are compared with Haley & Aldrich's results in the table below:

<table>
<tr><td></td><td colspan="2">Haley & Aldrich</td><td colspan="2">OEHHA (baseline)</td><td colspan="3">OEHHA (RBTCs)</td></tr>
<tr><td>Soil</td><td>Risk</td><td>HI</td><td>Risk</td><td>HI</td><td>Risk</td><td>Risk w/PA[1]</td><td>HI</td></tr>
<tr><td>Particles</td><td>1×10^{-2}</td><td>20</td><td>1×10^{-2}</td><td>20</td><td>7×10^{-5}</td><td>2×10^{-4}</td><td><1</td></tr>
<tr><td>Vapors</td><td>6×10^{-4}</td><td>19</td><td>9×10^{-4}</td><td>30</td><td>4×10^{-7}</td><td>9×10^{-7}</td><td><1</td></tr>
<tr><td>Soil gas</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>Indoor</td><td>3×10^{-6}</td><td><1</td><td>3×10^{-4}</td><td>9</td><td>1×10^{-5}</td><td>3×10^{-5}</td><td><1</td></tr>
<tr><td>Outdoor</td><td></td><td></td><td>8×10^{-7}</td><td><1</td><td>4×10^{-8}</td><td>9×10^{-8}</td><td><1</td></tr>
</table>
1. Potency adjusted to reflect the extra sensitivity of children and infants .

OEHHA cannot support Haley & Aldrich's RBTCs for soil, since the risk at these target concentrations is 7×10^{-5}, above the target risk of 10^{-6}.</td><td rowspan="2">As indicated in the responses provided above, the identified differences between the risks presented in the HHRA and those presented in OEHHA's comments after including the RBTCs include:

1. The inclusion of nickel at the background threshold, instead of setting the nickel concentration to "zero"; since, remediation to the RBCT for nickel is remediating nickel to background. This assumption does not affect the RBTC for nickel but confirms that after nickel is remediated to background concentrations the risks will be acceptable.

2. The higher OEHHA cancer risk and HI for the vapor intrusion pathway is due to the use of a default attenuation factors and not the site-specific attenuation factor used in the HHRA. As indicated above, the use of the site-specific attenuation factor was approved by OEHHA in an earlier HHRA prepared for the site. Therefore, no revisions to the indoor air risk calculations are proposed.

Since the nickel RBTC is set to background and assuming OEHHA concurrence as previously provided, the HHRA calculations support the RBTCs presented in the HHRA.

The use of the age-specific potency adjustment (PA) is not recommended as the HHRA assumptions in the HHRA are currently overly conservative and provide an adequate amount of safety for a possible onsite resident. For instance, as stated by OEHHA, the HHRA assumes maximum concentrations as the exposure point concentrations over the entire duration and frequency of exposure, each day for 30 years. In reality, the maximum concentrations are not co-located such that a receptor would be exposed to all maximum concentrations of every detected chemical at the site time and throughout their entire exposure duration. A more reasonable exposure point concentration would be an estimated average concentration at the site. In addition, the acceptable risk threshold is set at the de minimis end of EPA's acceptable risk range. EPA considers acceptable risk on a case-by-case basis at cancer risks up to 100 times greater than the threshold assumed in this HHRA. Since, the HHRA is adequately conservative for the child and adult resident, no revisions to this HHRA are proposed in response to this comment.</td></tr>
<tr><td>OEHHA
Page 4</td><td>OEHHA questions Haley & Aldrich's RBTCs for soil gas. Haley & Aldrich's low estimated indoor inhalation risks and hazards to residents depend on very low attenuation factors outside DTSC's expected range. OEHHA's calculated risk at the soil gas RBTCs is 1×10^{-5}, using DTSC's minimum default attenuation factor of 0.0002. The estimate would be 3×10^{-5} if the enhanced sensitivity of infants and children is taken into account.</td></tr>
</table>

HALEY & ALDRICH, INC.
3187 Red Hill Ave
Suite 155
Costa Mesa, CA 92626
714.371.1800

25 March 2015
File No. 32594-454

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Attention: Ms. Ana Townsend

Subject: Response to LARWQCB Comments dated 22 January 2015
Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils
United Technologies Corporation
Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303
LARWQCB Case #0237A, Site ID No. 2040214.

Dear Ms. Townsend:

On behalf of United Technologies Corporation, Haley & Aldrich, Inc. is providing this Response to Comments from the Los Angeles Regional Water Quality Control Board (LARWQCB), dated 22 January 2015, on the DRAFT Soil Management Plan (SMP) prepared by Haley & Aldrich, dated 2 October 2014. Per our recent discussion it was determined that two comment response submittals were to be provided. We had provided the LARWQCB with a response that addressed the Office of Environmental Health Hazard Assessment (OEHHA) comments in our letter to the LARWQCB dated 18 March 2015. This letter with its supporting attachments addresses the remaining LARWQCB comments from the 22 January 2015 LARWQCB letter. Our responses to the LARWQCB's comments are summarized below.

LARWQCB – 1: We forwarded the Draft SMP, including Appendix A, Human Health Risk Assessment, to the Office of Environmental Health Hazard Assessment (OEHHA) for their review. OEHHA provided their comments on the risk assessment to this Regional Board in a memorandum dated December 5, 2014 (copy enclosed). Please review the OEHHA memorandum and submit your responses to this Regional Board as soon as possible. Your responses will be forward to OEHHA for further review.

RESPONSE: A separate submittal has been provided to the LARWQCB regarding the OEHHA comments. This response in contained in the letter dated 18 March 2015.

LARWQCB – 2: Please update the Draft SMP to include an evaluation of the storm water and/or surface water protection requirements for the site during and after the building demolition.

RESPONSE: In response to this comment, the following concepts will be incorporated into Section 5 of the SMP.

BEST MANAGEMENT PRACTICES

As the effort would require greater than one acre of ground-disturbing activities, a Stormwater Pollution Prevention Plan (SWPPP) will be prepared in accordance with the National Pollutant Discharge Elimination System (NPDES) permit. The SWPPP incorporates best-management practices (BMPs) in accordance with the City of Los Angeles's Best Management Practices Handbook, Part A Construction Activities to control erosion, minimize sediment in runoff, and to protect the quality of surface water runoff during the Project's construction period.

Should grading activities occur during the rainy season (October 1st to April 14th), a Wet Weather Erosion Control Plan (WWECP) will be prepared pursuant to the "Manual and Guideline for Temporary and Emergency Erosion Control," adopted by the Los Angeles Board of Public Works.

EROSION AND SEDIMENT CONTROL

An effective combination of erosion and sediment control BMPs will be implemented and maintained during this effort. The following principles will be followed to the maximum extent practicable to control erosion and sedimentation in disturbed areas at the site:

- Fit grading to the surrounding terrain;
- Schedule investigation and remediation activities to minimize soil exposure. Excavation activities to cease during high probability forecasted significant rain events;
- Vegetate, mulch or otherwise stabilize disturbed areas with gravel, if warranted;
- Minimize the length and steepness of slopes;
- Keep runoff velocities low;
- Prepare drainage pathways and outlets to handle concentrated runoff until permanent drainage structures are constructed;
- Trap sediment onsite;
- Inspect and maintain control measures frequently including before and after rain events;
- Maintain BMP controls at all vehicle ingress and egress points; and
- Maintain BMP controls at all material storage and equipment parking/fueling locations on-site.

SURFACE WATER PROTECTION

As indicated previously, efforts would uncover more than one acre of soil, and thus project excavation and grading activities need to be consistent with the State General Permit for Discharges of Stormwater Associated with Construction Activity (Construction General Permit Order 2009-0009-DWQ, as amended by Order No. 2010-0014-DWQ), including preparation of a SWPPP. Also, because the project may discharge stormwater runoff into the local City storm drain system, which discharges to Waters of the U.S. (the Los Angeles River), project stormwater discharges need to be consistent with Order No. R4-2012-0175 (NPDES Permit No. CAS004001). This includes required installation/implementation of post-construction treatment control BMPs meeting Los Angeles County Standard Urban Storm Water Mitigation Plan (SUSMP) requirements and 2006 LARWQCB guidelines.

LARWQCB – 3: The groundwater protection SRGs for total petroleum hydrocarbons (TPH), which includes gasoline range from (C6 to C10), diesel (C10 to C28), and the heavier oil range hydrocarbons (C29+), are proposed to be the residual saturation concentrations of TPH in on-site soil at the various carbon ranges. The residual saturation concentrations of TPH are basically the liquid-phase TPH that cannot be mobilized and recovered from the soil using hydraulic methods; but TPH at or below their residual saturation concentrations can still migrate into other phases by either being absorbed, vaporized, or dissolved in the subsurface soil and groundwater. These proposed SRGs for TPH are not protective of the underlying groundwater quality. Please use the Regional Board cleanup guidebook to develop these TPH soil cleanup goals for groundwater protection; and use other appropriate TPH soil screening levels or conduct a site-specific human health risk assessment to develop the human health protection SRGs for TPH-impacted soil at the site.

RESPONSE: In response to this comment, groundwater protection levels for TPH were derived using Table 4-1 of the referenced May 1996 Regional Board cleanup guidebook (Guidebook) and assuming a distance above groundwater of less than 20 feet. The resulting groundwater protection levels are 100 mg/kg for C4-C12 range TPH (gasoline), 100 mg/kg for C13-C22 range TPH (diesel), and 1,000 mg/kg for C23-C32 range TPH (oil).

As far as health protection, since TPH is not a primary chemical of concern at the Site and consistent with OEHHA comments, TPH as a mixture was not evaluated as a constituent of potential concern (COPC) in the human health risk assessment (HHRA). Instead, individual constituents of TPH (e.g. benzene, toluene, ethylbenzene, xylenes) were included as COPCs in the HHRA if they were detected at the Site. No revisions to the HHRA are proposed in response to this comment.

LARWQCB – 4: Please develop SRGs for each chemical of potential concern identified at the site. The SRGs developed must be protective of both human health and the underlying groundwater quality. Please remove the column, Maximum Acceptable Vadose Zone Soil Concentrations, from Table lll, Soil Remediation Goals and Maximum Acceptable Vadose Zone Soil Concentrations. The Draft SMP indicates that the Maximum Acceptable Vadose Zone Soil Concentrations are the maximum existing concentrations for the compounds detected/identified on-site. They are not the acceptable cleanup goals for the soil at the site. Table III should summarize the SRGs both for human health and groundwater protection.

RESPONSE: It is the intent that the SRGs are protective of human health and groundwater quality as the selected SRG for a given chemical is the lowest of the concentration that is protective of human health and the concentration that is protective of groundwater quality. In the revised DRAFT SMP the appropriate modifications will be made to Table III as requested when the numbers are developed based on a methodology acceptable to the LARWQCB.

In response to this comment regarding development of SRGs that are protective of groundwater quality, it is proposed that groundwater protection levels be derived for each organic chemical that has a published MCL and has been detected in soil samples collected at the Site at a sample frequency of equal to or greater than 1 percent. In addition a groundwater protection level will be determined for hexavalent chromium which also has an MCL and is considered to be relatively mobile compared to the

relatively immobile metals. These organic chemicals and hexavalent chromium are herein referred to as the chemicals found in soil that may have the potential to impact groundwater quality (chemicals of potential concern). A list of the organic chemicals identified as chemicals at the Site that may have the potential to impact groundwater quality and for which groundwater protection levels will be developed is presented in the attached Table I.

As further stated in the Guidebook, alternative site-specific methodologies may be proposed to develop site-specific groundwater protection levels. It is herein proposed that site-specific groundwater protection levels be developed using vadose soil sample results of both total concentrations and Synthetic Precipitation Leaching Procedure (SPLP) data (soluble concentrations). It is further proposed that the methodology used be consistent with the methodology published on pages 5-65 through 5-67 (Attachment A) of Section 5.IX of the County of San Diego Department of Environmental Health (DEH) Site Assessment and Mitigation Manual (SAM Manual) (entire SAM Manual can be downloaded at http://www.sandiegocounty.gov/content/sdc/deh/lwqd/sam_manual.html). The proposed SPLP evaluation methodology uses a linear graphical evaluation where a minimum of three samples of both total and soluble concentrations are plotted for each chemical. The total concentration where the soluble concentration is equal to the MCL is interpreted using the slope of the line represented by the graphed data.

It is proposed that seven samples be collected and analyzed for total and soluble concentrations using the SPLP for the select organic chemicals and hexavalent chromium. It is further proposed that these samples be collected in areas where these chemicals have been previously detected at the Site in order to provide appropriate data for this type of evaluation. As noted above for each chemical evaluated, the groundwater protection level will be identified as the total concentration where the soluble concentration is equal to the MCL. Should the results be insufficient to graph this relationship, then the groundwater protection level will be selected as the highest total concentration where the associated soluble concentration is equal to or less than the MCL. Alternatively, a soil partition equation and/or the Guidebook will be used to derive the groundwater protection level using site-specific soil parameters and a groundwater dilution attenuation factor of 20 (pursuant to the EPA December 2002 document titled “Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites”) to account for contaminant mixing in the underlying aquifer.

LARWQCB – 5: Groundwater underlies the subject site at approximately 15 to 19 feet below ground surface. Please develop soil cleanup goals per 5-foot depth intervals that are protective of the underlying groundwater quality.

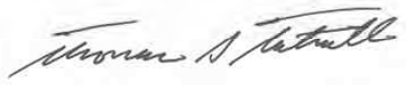
RESPONSE: For a given chemical (organic chemicals listed in Table I and hexavalent chromium), it is proposed that one groundwater protection level be derived. The derived value will be protective for any depth. The proposed methodology to develop the groundwater protection levels are presented above in the response to LARWQCB comment 4.

Upon LARWQCB review and approval of these responses and proposed revisions to the DRAFT SMP the additional sample collection will be performed in support of the groundwater protection soil objectives development employing the SPLP methodology. Once that effort is completed a revised DRAFT SMP will

be prepared and submitted to the LARWQCB with the various revisions incorporated pursuant to the comments and responses.

Please do not hesitate to contact us with any questions. We appreciate your attention to this matter.

Sincerely yours,
HALEY & ALDRICH, INC.



Thomas S. Tatnall, C.E.G #1968
Program Manager

Anita Broughton, REA, EIT, CIH
Senior Vice President

Attachments:

Table I – Organic Compounds: Soil Cleanup Objectives Development for Groundwater Protection

Attachment A - Excerpts: County of San Diego Department of Environmental Health (DEH), Site Assessment and Mitigation Manual (SAM Manual), Section 5, Site Investigation Techniques, Subsection IX Soil Leachability pages 5-65 through 5-67

c: United Technologies Corporation; Attn: David Curnock
Haley and Aldrich, Inc.; Anita Broughton

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TABLE I

Organic Compounds: Soil Cleanup Objectives Development for Groundwater Protection

TABLE I
ORGANIC COMPOUNDS: SOIL CLEANUP OBJECTIVES DEVELOPMENT FOR GROUNDWATER PROTECTION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Detected Organic Chemicals in Soil Samples	Number of Detections	Number of Soil Samples Tested	Percentage of Detections	California Maximum Contaminant Level	Identified as an Organic Chemical in Soil that has a Potential to Impact Groundwater Quality*
SVOCs					
Benzyl alcohol	1	276	*0.4%*	No	No
bis(2-Ethylhexyl)phthalate	5	276	1.8%	Yes	**Yes**
Butyl benzylphthalate	2	276	*0.7%*	No	No
Diethyl phthalate	1	276	*0.4%*	No	No
Total PCBs	8	227	3.5%	Yes	**Yes**
VOCs					
1,1-Dichloroethane	8	912	*0.9%*	Yes	No
1,1-Dichloroethene	5	924	*0.5%*	Yes	No
1,1,1-Trichloroethane	23	924	2.5%	Yes	**Yes**
1,1,2-Trichloro-1,2,2-Trifluoroethane	6	336	1.8%	Yes	**Yes**
1,2-Dichloroethane	1	924	*0.1%*	Yes	No
1,1,2-Trichloroethane	3	924	*0.3%*	Yes	No
1,2,3-Trichloropropane	1	912	*0.1%*	No	No
1,2,4-Trimethylbenzene	12	912	1.3%	No	No
1,3,5-Trimethylbenzene	9	906	*1.0%*	No	No
2-Butanone	4	759	*0.5%*	No	No
Acetone	29	759	3.8%	No	No
Benzene	48	933	5.1%	Yes	**Yes**
Carbon disulfide	2	759	*0.3%*	No	No
cis-1,2-Dichloroethene	9	912	1.0%	Yes	**Yes**
Dichlorodifluoromethane	1	912	*0.1%*	No	No
Ethylbenzene	9	928	*1.0%*	Yes	**Yes**
Isopropylbenzene (cumene)	4	912	*0.4%*	No	No
Isopropyltoluene (surrogate=Isopropylbenzene)	2	912	*0.2%*	No	No
Methylene chloride	1	912	*0.1%*	Yes	No
n-Propylbenzene	7	912	*0.8%*	No	No
Napthalene	7	912	*0.8%*	No	No
sec-Butylbenzene	3	912	*0.3%*	No	No
Styrene	1	912	*0.1%*	Yes	No
Tetrachloroethene	304	926	32.8%	Yes	**Yes**
Toluene	39	927	4.2%	Yes	**Yes**
trans-1,2-Dichloroethene	1	912	*0.1%*	Yes	No
Trichloroethene	60	912	6.6%	Yes	**Yes**
Xylenes	7	203	3.4%	Yes	**Yes**
TPH					
C6-C8 (Gasoline Range - Low Aliphatic/Aromatic Content)	7	312	2.2%	No	No
C9-C18 (Diesel Range - Medium Aliphatic/Aromatic Content)	61	563	10.8%	No	No
C19-C32 (Oil Range - High Aliphatic/Aromatic Content)	62	316	19.6%	No	No

VOCs = Volatile Organic Compounds
TPH = Total Petroleum Hydrocarbons
PAHs = Polynuclear Aromatic Hydrocarbons
C# = carbon chain length (e.g. C6 is carbon chain length of 6 carbons)
* = Organic chemical is detected at the Site, has a published California Maximum Contaminant Level, and has been detected at the Site at a frequency of equal to and greater than 1% in the samples collected and analyzed.

ATTACHMENT A

Excerpts: County of San Diego Department of Environmental Health (DEH)
Site Assessment and Mitigation Manual (SAM Manual)
Section 5, Site Investigation Techniques, Subsection IX Soil Leachability
(pages 5-65 through 5-67)
http://www.sandiegocounty.gov/content/sdc/deh/lwqd/sam_manual.html

IX. SOIL LEACHABILITY

To estimate the leaching potential of impacted soil, one of the following laboratory testing methods for leachability of a particular soil can be used:

- **EPA Method 1312**, Synthetic Precipitation Leaching Procedure (SPLP)
- **ASTM Method D4874-95**, Leaching Solid Material in a Column Apparatus

These tests are intended to aid in determining the maximum concentration of a contaminant that may remain in soil without potentially leaching to groundwater. A leachability study is not appropriate in materials where transport is primarily through fractures or if fractures are suspected.

A. Soil Sampling

For the majority of situations, obtain a minimum of three samples from each predominantly impacted soil type or geologic unit. These samples should encompass the full range of contaminant concentrations. One of the samples must represent the highest concentration of soil contamination; this is commonly located in or near the source. If the soil type or geologic unit varies in texture and composition, additional samples will need to be taken and analyzed to evaluate the leachability of the contaminant.

B. Analysis of Soil and Leachate

The following table is provided for guidance on the analyses to be performed. The soil analysis must be completed prior to running the SPLP analysis. The SPLP method should not be used to analyze soil samples with non-detect concentrations.

Substance	Soil	SPLP Leachate
Gasoline	EPA-8260	EPA-8260
Diesel	EPA-8260and/or 8270	EPA-8260 and/or 8270
JP-4	EPA-8260 and/or 8270	EPA-8260 and/or 8270
Kerosene	EPA-8270	EPA-8270
MTBE	EPA-8260B	EPA-8260B
Waste Oil**	Case-by-case	Case-by-case
Solvents**	Case-by-case	Case-by-case

** The specific analysis will be determined on a case-by-case basis. Selection of target compounds should be based on knowledge of the waste.

C. Leachate Testing Procedures

1. SPLP Testing (EPA Method 1312)

This method is a standard laboratory procedure designed to determine the leaching potential of organic and inorganic compounds present in soils and wastes. It provides a leachate for analysis from a disaggregated soil or waste sample. This method uses pH-adjusted deionized water for metals analysis, and deionized water for cyanide and organic compounds.

2. Leaching Solid Material in a Column Apparatus (ASTM Method D4874-95)

This method is a standard laboratory procedure for generating aqueous leachate from soil using a column apparatus. It provides a leachate suitable for organic and inorganic analyses from samples that are undisturbed. This method is less aggressive than the SPLP procedures outlined above and is considered to be more representative of field conditions.

Since method detection limits (MDLs) for the target analyses will vary between analytical laboratories, it is important to acquire a sufficient volume of pore water to achieve detection limits down to the required action level.

To provide results that are more representative of in situ field conditions, this method should be modified as follows:

a. Test only undisturbed samples to represent optimum field conditions of porosity, density, or moisture. Do not disaggregate and repack columns.

b. Use a flexible sleeve column loaded to in situ confining pressures to prevent channeling. The laboratory should be notified of the depth of the sample so that the proper confining pressure can be maintained. The flexible sleeve should be of Teflon or other relatively inert material to prevent contamination of the leachate.

D. Data Interpretation

The sample results should be plotted on log-log graph paper. The soil results are plotted on the x-coordinate and the leachate results are plotted on the y-coordinate. Separate graphs should be made for each soil type or geologic unit.

The following example is provided to demonstrate the interpretation of benzene SPLP data.

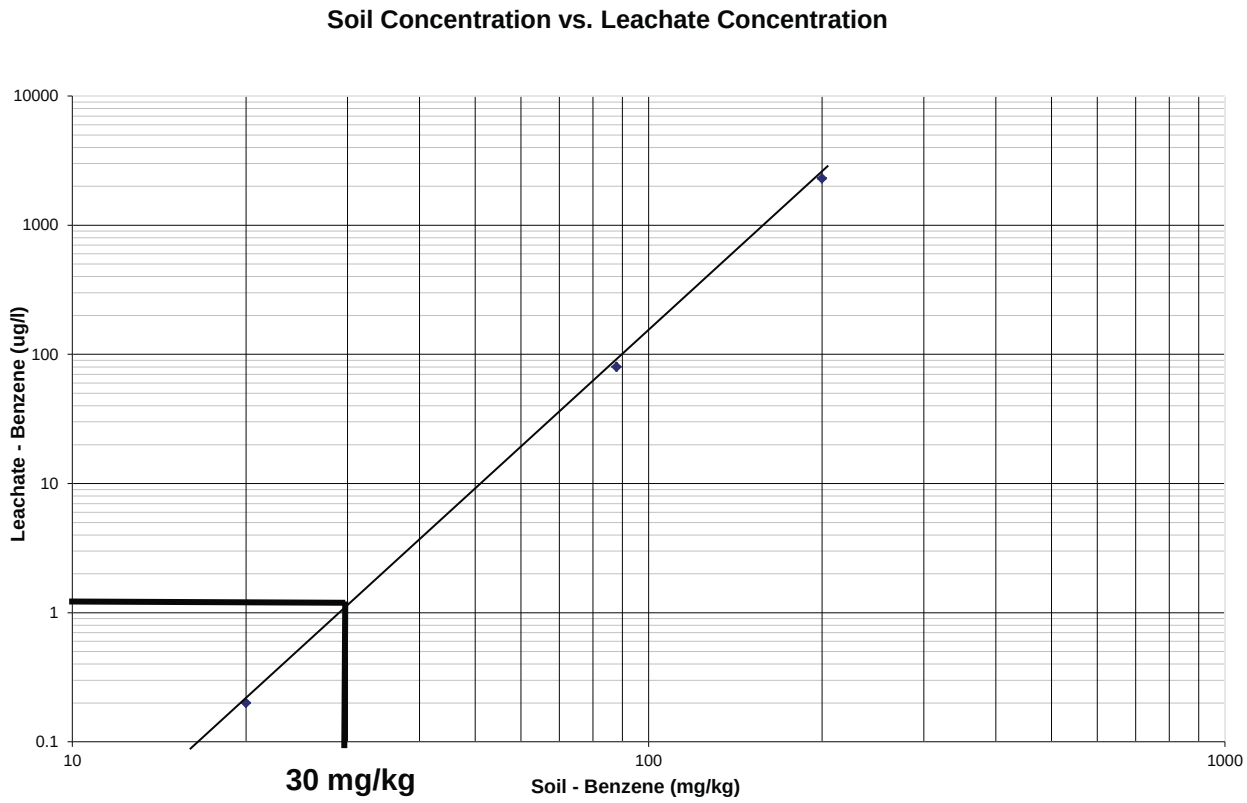
EXAMPLE:

Three samples were obtained from a site in an area where groundwater was designated as having municipal and domestic uses. Torrey Sandstone, which was observed to be a light-brown, medium-grained, subangular, and moderately indurated arkosic sandstone, underlies the site. The following are the soil and SPLP results for benzene:

	Soil	Leachate
Sample 1	200 mg/kg	2,300 ug/l
Sample 2	82 mg/kg	80 ug/l
Sample 3	20 mg/kg	0.20 ug/l

Figure 5-1 is a graph of the data above. At the point on the plotted line where benzene is 1 ug/l in the leachate (the MCL for benzene), the corresponding benzene concentration in the soil sample is 30 mg/kg. Assuming no attenuation in the unsaturated zone, all soils greater than 30 mg/kg may impact groundwater in excess of the water quality goals for the area.

Figure 5-1


Soil Concentration vs. Leachate Concentration
10000
1000
100
10
1
0.1
Leachate - Benzene (ug/l)
10
100
1000
30 mg/kg
Soil - Benzene (mg/kg)

June 2, 2015

Mr. David Curnock
United Technologies Corporation
EHS Mail Stop 503
1 Financial Plaza
Hartford, CT 06101

SUBJECT: COMMENTS ON UTC RESPONSE TO THE REGIONAL BOARD'S COMMENTS ON THE DRAFT SOIL MANAGEMENT PLAN

SITE/CASE: PRATT & WHITNEY-ROCKETDYNE, THE FORMER BOEING CANOGA AVENUE FACILITY, 6633 CANOGA AVE., CANOGA PARK, CA (SCP NO. 0237A, SITE ID NO. 2040214)

Dear Mr. Curnock:

We have received the "Response to LARWQCB Comments dated 22 January 2015 Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils" (Letter) dated March 25, 2015, prepared by your consultant Haley & Aldrich for the above referenced site. The Letter was prepared in response to our comments (Comment) dated January 22, 2015. We have reviewed your Letter and have the following comments:

1. Regarding Comment No.1, your letter dated March 18, 2015, "Response to OEHHA Comments dated December 5, 2014, Draft Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils" was forwarded to the Office of Environmental Health Hazard Assessment (OEHHA) on March 24, 2015 for their review. OEHHA provided its comments to this Regional Board in a memorandum dated May 20, 2015 (copy enclosed). Please respond to OEHHA's comments accordingly. Furthermore, in order to address some of OEHHA's concerns, we have reviewed various site data and have determined that additional soil samples for physical parameter analysis, especially for moisture content, needs to be collected to verify the parameters used in the risk assessment. In addition, an adjustment needs to be made for the enhanced sensitivity of infants and children in the risk evaluations for unrestricted land use scenario.

2. Regarding Comment No. 2, we forwarded your responses to our storm water unit in regards to the evaluation of the storm water and/or surface water protection requirements for the site during and after the building demolition and concur with your responses provided. However, please update the draft soil management plan (SMP) to acknowledge that the site will comply with all post construction requirements imposed by the owner of the municipal separate storm sewer system (MS4 system) you will be discharging to via the planning and development process.

3. Regarding Comment No 3, we accept the response you have provided and have no further comments. Please revise Table 1 and include TPH groundwater protection levels accordingly.

4. Regarding Comment No. 4, the Letter proposes the use of alternative site-specific methodologies to develop site-specific groundwater protection levels. The site-specific groundwater protection levels are proposed to be developed using vadose soil sample results of both total concentrations and Synthetic Precipitation Leaching Procedure (SPLP) data (soluble concentrations). It is further proposed that the SPLP methodology used be consistent with the methodology recommended by the County of San Diego Department of Environmental Health (DEH) in the *Site Assessment and Mitigation Manuel* (SAM Manual), dated August 15, 2011. The Letter indicates that seven samples will be collected and analyzed for total and soluble concentrations using the select organic chemicals and hexavalent chromium. Based on the size of the site, more samples may need to be collected. Samples must be collected from known source areas along with non-source areas, and from various types of soil with depths ranging from surface to water table, in order to get a good representation of the site conditions. Soil vapor to groundwater contamination must also be considered when developing the site-specific groundwater protection levels. To meet the groundwater quality objectives defined in the *Water Quality Control Plan* for the Los Angeles Region, any residual contaminants of concern in soil shall not have leachable concentrations exceeding their MCLs, notification levels, or natural background levels at the water table beneath the site.

   The Letter indicates that alternatively a soil partition equation and/or the Guidebook will be used to derive the groundwater protection level using site-specific soil parameters and a groundwater dilution attenuation factor of 20 to account for contaminant mixing in the underlying aquifer. This Regional Board does not allow the use of a groundwater dilution factor when developing groundwater protection levels. When developing site-specific groundwater protection levels, please use the MCL, notification levels, or natural background levels for each contaminant of concern (chemical has been detected in soil sampled collected at the site at a sample frequency of equal to or greater than 1%).

5. In regards to Comment No. 5 we accept the response you have provided and have no further comments.

Please collect additional soil data from the site as soon as possible for developing appropriate soil remediation goals that are protective of human health and groundwater resources. The revised Draft SMP must incorporate all the above referenced comments along with the previous comments we have provided during our discussions or via e-mails. The revised Draft SMP must also address any additional comments from OEHHA for the site. Please submit a revised Draft SMP to this Regional Board by **September 4, 2015**.

If you have any questions, please contact Ms. Ana Townsend at (213) 576-6738 or ana.townsend@waterboards.ca.gov.

Sincerely,

Samuel Unger

Samuel Unger, P.E.
Executive Officer

Enclosure: OEHHA Memorandum dated May 20, 2015

E-Mailing List: see next page

E-Mailing List
Thomas Tatnall, Haley & Aldrich, Inc.
Kelly Hoggan, Haley & Aldrich, Inc.
Hedi Rous, PCR Services Corporation
Dennis Watsabaugh, Jones Lang LaSalle

Office of Environmental Health Hazard Assessment

George Alexeeff, Ph.D., D.A.B.T. Director
Headquarters • 1001 I Street • Sacramento, California 95814
Mailing Address: P.O. Box 4010 • Sacramento, California 95812-4010
Oakland Office • Mailing Address: 1515 Clay Street, 16th Floor • Oakland, California 94612

Matthew Rodriquez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

MEMORANDUM

TO: Ana Townsend
Water Resources Control Engineer
California Regional Water Quality Control Board, Los Angeles Region
320 West 4th Street, Suite 200 1st Floor
Los Angeles, California 90013

FROM: James C. Carlisle, D.V.M., M.Sc., J.C.
Staff Toxicologist
Air, Community, and Environmental Research Branch

DATE: May 20, 2015

SUBJECT: HUMAN HEALTH RISK ASSESSMENT, UNITED TECHNOLOGIES CORPORATION, CANOGA AVENUE FACILITY, CANOGA PARK, CALIFORNIA (R4-14-30; OEHHA #880142-03)

Document reviewed

- Response to OEHHA comments on the Human Health Risk Assessment, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California by Haley & Aldrich, Inc., dated March 18, 2015

Chemicals of potential concern (COPCs)

- COPCs included detected PCBs, VOCs, and metals that were considered to be above background levels. OEHHA has questions regarding selected metals:
  - Page 3 identifies antimony, cadmium, cobalt, copper, nickel, selenium, and zinc as COPCs, but Table VIII includes only antimony, cobalt, copper, and nickel (i.e. omitting cadmium, selenium, and zinc).
  - OEHHA does not recommend eliminating contaminants from quantitative assessment because they do not "contribute to elevated human health risks" for two reasons:
    - The best way to show that they do not contribute to elevated human health risks is to include them in the quantitative assessment.
    - Even though they do not individually contribute to elevated human health risks, there could be additive effects.
  - As noted in the text, mercury and arsenic have apparent break points on the histograms and/or QQ plots. Arsenic is said to have no known history of on-site use, but the only argument for eliminating mercury is that other

metals were not present at the location where it was elevated.
    - The response defends the elimination of mercury based on risk management considerations, not the typical order.

- Summary of COPC considerations
    - Although OEHHA does not recommend eliminating contaminants from quantitative assessment because they do not contribute to elevated human health risks, in the interest of expediency OEHHA agrees not to further pursue this point.

Vapor intrusion risks and hazards

- In a December 5, 2014 memo, OEHHA expressed concern that Haley & Aldrich's very low attenuation factors could underestimate vapor intrusion risk and hazard. The calculated attenuation factors for 5-foot samples range from 0.0000013 to 0.000035. Soil layer B was reported as 95% saturated, which is unlikely to be representative of soil under a building
- In a June 28, 2007 memo, OEHHA stated "The fact that the moisture content was based on samples taken below the slab lend added credibility to the results as applied to future structures. Although the moisture content is relatively high, this may be the result of a high water table and fine-grain soils and resulting capillary action. I concur with the response but defer to you as someone more familiar with the site than I am. Also, the layer of clay from two feet deep down to 5 feet, where the soil vapor samples were taken, acts as a barrier to vapor migration. If there were any contamination at shallower depths (above the clay), they would not be blocked by the clay layer, and may migrate into future buildings at a rate up to 2 times as fast as vapors below the clay." The memo concluded " The Haley & Aldrich response to my April, 2007 comments appears to me to be adequate, provided that you agree with their soil characterization".
- Haley & Aldrich does not intend to revise the attenuation factor, citing the above.
- If the post-construction soil saturation remains at 95%, then the 2005 soil sample results can be used to model residential indoor air VOC concentrations.

Adjustment for the enhanced sensitivity of infants and children

- Haley & Aldrich does not intend to revise their estimates based on the enhanced sensitivity of infants and children because their assessment is already conservative.
- OEHHA agrees that assuming a constant concentration of VOCs for 30 years is conservative.
- OEHHA does not agree with Haley & Aldrich's response that a more reasonable exposure point concentration would be and estimated average concentration at the site. Future residents will be exposed to whatever concentration is on their property, not to a site-wide average.

- The appropriate level of conservatism is a risk management decision.

Risks and hazards from contaminants in soil matrix and risk-based target soil matrix concentrations (RBTCs)

- In December 2014, OEHHA estimated combined cancer risk at the soil RBTCs as 7×10^{-5}, primarily due to nickel.
- Haley and Aldrich responds that the risk due to nickel should be treated as zero, since the post-remediation nickel concentration will be at maximum background.
- Responsible parties are not generally held responsible for naturally occurring minerals. Since 43.9 mg/kg is the maximum naturally occurring nickel concentration, post-remediation concentrations should be at or below that level (i.e. no averaging).

Conclusions

- OEHHA conditionally accepts Haley & Aldrich's RBTCs for soil vapors, on the condition that you are satisfied that the 2005 soil characterization is a reasonable predictor of post-construction soil conditions and that the assessment is sufficiently conservative without including an adjustment for the enhanced sensitivity of infants and children
- OEHHA agrees that the responsible party should not be held responsible for naturally occurring nickel, and that the soils risk excluding nickel is ~ 10^{-6}.

Internal peer reviewer:

Nathalie Pham

Nathalie Pham, PhD
Staff Toxicologist

HALEY & ALDRICH, INC.
3187 Red Hill Ave
Suite 155
Costa Mesa, CA 92626
714.371.1800

15 June 2015
File No. 32594-455

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Attention: Ms. Ana Townsend

Subject: Scope of Work for Additional Soil Sampling, SPLP, and Physical Parameters Analysis for Development of Soil Remediation Goals
United Technologies Corporation
Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303
LARWQCB Case #0237A, Site ID No. 2040214

Dear Ms. Townsend:

On behalf of United Technologies Corporation (UTC), Haley & Aldrich, Inc. (Haley & Aldrich) prepared this Scope of Work for Additional Soil Sampling, Synthetic Precipitation Leaching Procedure (SPLP), and Physical Parameters Analysis for Developing Soil Remediation Goals at the UTC Canoga Avenue facility located at 6633 Canoga Avenue in the City of Canoga Park, California (Site, Figure 1). This work is being performed in response to the Los Angeles Regional Water Quality Control Board's (LARWQCB) letter "Comments on UTC Response to the Regional Board's Comments on the Draft Soil Management Plan", dated 2 June 2015 provided in response to the 25 March 2015 Haley & Aldrich response to the Regional Board's Comments dated 22 January 2015, on the Draft Soil Management Plan (SMP) prepared by Haley & Aldrich dated 2 October 2014.

Five comments were presented by the LARWQCB in their 2 June 2015 letter. However, only two of the comments, Comment #1 and #4, identified a desire/need for additional soil sampling and analysis. The scope of work presented herein has been developed to address the additional soil sampling and analysis activities discussed in Comment #1 and #4 of the above mentioned LARWQCB letter (presented herein as Attachment A).

Background

The LARWQCB Comment #1 refers to the development of health protection levels and Comment #4 refers to the development of groundwater protection levels (GPLs). In the LARWQCB Comment #1, the LARWQCB requests that additional soil samples be collected to verify soil physical parameters at the Site for use in modeling potential vapor intrusion concerns in the human health risk assessment (HHRA),

presented in the SMP. In the LARWQCB Comment #4, the LARWQCB generally concurs with the 25 March 2015 UTC responses regarding the proposed methodology for the development of GPLs and with the criterion for identifying the chemicals of potential concern (COPCs) for which GPLs will be derived. However, the LARWQCB stated that additional samples may be required due to the size of the Site and samples should be collected from known source areas along with non-source areas. The LARWQCB also requests that maximum contaminant levels (MCLs), notification levels, or natural background levels be considered as water quality objectives when deriving the GPLs.

Scope of Work

The scope of work consists of advancing a total of 20 direct-push borings in five areas with previously detected impacts to 15 feet below ground surface (bgs) for collection of samples for analysis of physical parameters and/or total and soluble concentrations of COPCs for the derivation of GPLs. Sampling and testing will be limited to the vadose zone soils. A minimum of three samples will be collected for analysis from each soil boring with each sample collected from a different soil type to the extent practical. Sample depths are based on previous impacts detected and the anticipated soil types expected based on existing soil boring logs.

LARWQCB COMMENT #1 – COLLECTION OF SOIL SAMPLES FOR SOIL PHYSICAL PARAMETERS

Soil samples will be collected for testing of physical properties from five borings located across the Site. The five boring locations will be advanced within the areas identified in response to LARWQCB Comment #4 (see below) and shown on Figure 2. Samples will be collected from a minimum of three depths to obtain data that is representative of the various soil types present in the vadose zone at the Site. The soil samples will be analyzed for the following physical parameters: total porosity and air-filled porosity, moisture content, total organic carbon, soil bulk density, grain density, and grain size distribution. The data obtained will be used 1) in the vapor intrusion modeling in the revised HHRA, and 2) for deriving Site-specific GPLs, should the soil partition equation be used as an alternative method in deriving the GPLs.

The sample locations are spread out across the Site in areas of known impacts and are sufficient to characterize the three main soil types present (i.e. fine sands, silts and clays). Testing of other samples from non-source areas is not deemed necessary as some of the samples for collection and analysis will be either very low concentrations or will be non-detect. In addition, the soil types are well known from the hundreds of borings already logged on the Site.

LARWQCB COMMENT #4 – COLLECTION OF SOIL SAMPLES FOR CHEMICAL ANALYSIS

Soil samples will be collected from fifteen borings located within five areas at the Site. The five areas have been identified based on the detection of the COPCs during previous site investigation activities.

Chemicals of Concern (COPCs)

The COPCs for the derivation of GPLs include the following fifteen chemicals that were detected at a frequency of equal to or greater than 1 percent during previous site investigation activities:

- bis(2-Ethylhexyl) phthalate (BEHP)
- Total PCBs
- 1,1,1-Trichloroethane (1,1,1-TCA)
- 1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)
- 1,2,4-Trimethylbenzene (1,2,4-TMB)
- 1,3,5-Trimethylbenzene (1,3,5-TMB)
- Acetone
- Benzene
- cis-1,2-Dichloroethene (cis-1,2-DCE)
- Ethylbenzene
- Tetrachloroethene (PCE)
- Toluene
- Trichloroethene (TCE)
- Xylenes
- Hexavalent Chromium (Cr+6)

Note that three chemicals 1,2,4-TMB, 1,3,5-TMB, and acetone were added in response to Comment #4 since they also were detected at the Site at a frequency of equal to or greater than 1 percent.

The selection priority for water quality objectives will be the MCLs, which are promulgated California Drinking Water Standards, followed by U.S. Environmental Protection Agency (EPA) risk-based Regional Screening Levels (RSLs) for tapwater (tapwater RSLs). The COPCs are not considered to be naturally occurring at the Site, and therefore, Site-specific natural background thresholds have not been derived; an MCL or tapwater RSL has been published for each of the COPCs. The selected water quality objective for each COPC is listed in Table I.

Sample Locations and Analytical Parameters

Soil samples will be collected in areas where the COPCs were previously detected in soil and/or soil gas to target a range of detected total and soluble concentrations. Areas at the Site where the COPCs have been detected are identified on Figure 2. A minimum of nine soil samples will be collected from each of three vadose zone soil types in each area and analyzed for the physical parameters discussed below. In each area, the soil samples will be analyzed for the COPC(s) previously detected in that area. The historical analytical results for the COPCs in the five locations are summarized in Table II.

Details of the soil sampling activities are discussed below.

Field Procedures

The drilling locations will be marked with white paint and Underground Service Alert (USA) will be contacted at least 48 hours before any drilling activities commence. Geophysical surveying (by a private subsurface utility locating company) will also be performed to locate potential subsurface utilities not identified by utility companies.

Soil samples will be collected by a California C-57 licensed drilling contractor, if necessary, using direct-push or hand auger methods. The soil borings will be continuously cored and the soil lithologies logged in accordance with the Unified Soil Classification System (USCS) and recorded on a boring log. Soil samples will be field screened approximately every 2 feet for total volatile organic compounds (VOCs) with a photoionization detector (PID). The work will be performed under the supervision of a California Professional Geologist (PG).

Field sampling activities will be performed in accordance with applicable standard operating procedures Borings will be backfilled in lifts with bentonite chips and each lift hydrated. The surface will be patched to match existing pavement with at least 6 inches of concrete.

Work will also be performed in accordance with a Site-specific Health and Safety.

Analytical Testing and Data Evaluation

Soil samples will be analyzed by a State-certified analytical laboratory for the specified COPC(s) using the following methods:

- VOCs (1,1,1-TCA, Freon 113, 1,2,4-TMB, 1,3,5-TMB, acetone, benzene, cis-1,2-DCE, ethylbenzene, PCE, toluene, TCE, and xylenes) by EPA Method 8260B;
- Semi-volatile organic compounds (BEHP) by EPA Method 8270C;
- Total PCBs by EPA method 8082; and
- Hexavalent chromium by EPA Method 7196A.

The soil samples will be analyzed for total COPC concentrations and the SPLP extract generated following EPA Method 1312 will be analyzed for soluble COPC concentrations.

The analytical methods used to analyze the physical parameters are as follows:

- Total porosity and air-filled porosity by API RP 40;
- Moisture content by ASTM D2216/API RP 40;
- Total organic carbon by Walkley-Black Method;
- Soil bulk density by API RP 40;

- Grain density by API RP 40; and
- Grain size distribution by ASTM D4464.

The analytical parameters to be tested for each sample are identified in Table III.

Waste Management

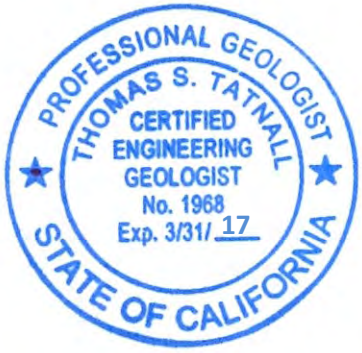
Waste generated during these activities will be temporarily stored onsite in Department of Transportation-approved (DOT) 55-gallon steel drums at the Site pending receipt of analytical test results and characterization of the cuttings. Drums will be appropriately labeled pending profiling. Waste will be disposed in accordance with applicable regulations by a waste disposal company licensed to handle such wastes.

Schedule

It is anticipated that the sampling will commence the week of 22 June 2015.

Should you have any questions regarding this letter, please do not hesitate to contact us.

Sincerely yours,
HALEY & ALDRICH, INC.



Thomas S. Tatnall, C.E.G. #1968
Program Manager

Enclosures:

References	
Table I	COPCs and Water Quality Objectives
Table II	Historical Soil Data in Sampling Areas
Table III	Summary of Analytical Testing for Sampling Areas
Figure 1	Site Locus
Figure 2	Site Plan Showing Soil Sample Locations
Attachment A – LARWQCB Comment Letter dated 2 June 2015	

c: United Technologies Corporation; Attn: Mr. David Curnock

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References

1. California Regional Water Quality Control Board Los Angeles Region (LARWQCB), 2015. Comments of Draft Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils, Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, CA, (SCP No. 0237A, Site ID No. 2040214), dated 22 January 2015.

2. California Regional Water Quality Control Board Los Angeles Region (LARWQCB), 2015. Comments on UTC Response to the Regional Board's Comments on the Draft Soil Management Plan, Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, CA, (SCP No. 0237A, Site ID No. 2040214), dated 2 June 2015.

3. Haley & Aldrich, Inc., 2014. Draft Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214, dated 2 October 2014.

4. Haley & Aldrich, 2015. Response to LARWQCB Comments dated 22 January 2015 Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214, dated 25 March 2015.

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TABLES

This document contains no data that is subject to ITAR or EAR

TABLE I
COPCS AND WATER QUALITY OBJECTIVES
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

					Water Quality Objective for Identified Organic Chemical in Soil that has a Potential to Impact Groundwater Quality (ug/L)	
Detected Organic Chemicals in Soil Samples	**Number of Detections**	**Number of Soil Samples Tested**	**Percentage of Detections**	**Identified Organic Chemical in Soil that has a Potential to Impact Groundwater Quality [2]**	**California Maximum Contaminant Level**	**EPA Tap Water RSL [1] (for chemicals with no MCL)**
SVOCs						
Benzyl alcohol	1	276	0.4%	No	na	na
bis(2-Ethylhexyl)phthalate	5	276	1.8%	**Yes**	4	na
Butyl benzylphthalate	2	276	0.7%	No	na	na
Diethyl phthalate	1	276	0.4%	No	na	na
PCBs (all arolors)	8	227	3.5%	**Yes**	0.5	na
VOCs						
1,1-Dichloroethane	8	912	0.9%	No	na	na
1,1-Dichloroethene	5	924	0.5%	No	na	na
1,1,1-Trichloroethane	23	924	2.5%	**Yes**	200	na
1,1,2-Trichloro-1,2,2-Trifluoroethane	6	336	1.8%	**Yes**	1200	na
1,2-Dichloroethane	1	924	0.1%	No	na	na
1,1,2-Trichloroethane	3	924	0.3%	No	na	na
1,2,3-Trichloropropane	1	912	0.1%	No	na	na
1,2,4-Trimethylbenzene	12	912	1.3%	**Yes**	na	1.5
1,3,5-Trimethylbenzene	9	906	1.0%	**Yes**	na	12
2-Butanone	4	759	0.5%	No	na	na
Acetone	29	759	3.8%	**Yes**	na	14000
Benzene	48	933	5.1%	**Yes**	1	na
Carbon disulfide	2	759	0.3%	No	na	na
cis-1,2-Dichloroethene	9	912	1.0%	**Yes**	6	na
Dichlorodifluoromethane	1	912	0.1%	No	na	na
Ethylbenzene	9	928	1.0%	**Yes**	300	na
Isopropylbenzene (cumene)	4	912	0.4%	No	na	na
Isopropyltoluene (surrogate=Isopropylbenzene)	2	912	0.2%	No	na	na
Methylene chloride	1	912	0.1%	No	na	na
n-Propylbenzene	7	912	0.8%	No	na	na
Napthalene	7	912	0.8%	No	na	na
sec-Butylbenzene	3	912	0.3%	No	na	na
Styrene	1	912	0.1%	No	na	na
Tetrachloroethene	304	926	32.8%	**Yes**	5	na
Toluene	39	927	4.2%	**Yes**	150	na
trans-1,2-Dichloroethene	1	912	0.1%	No	na	na
Trichloroethene	60	912	6.6%	**Yes**	5	na
Xylenes	7	203	3.4%	**Yes**	1750	na
Metals						
Hexavalent Chromium (Cr+6)	4	28	14.3%	Yes	10	na
TPH						
C6-C8 (Gasoline Range - Low Aliphatic/Aromatic Content)	7	312	2.2%	GPLs dervied using LARWQCB Guidebook (LARWQCB, 1996)		
C9-C18 (Diesel Range - Medium Aliphatic/Aromatic Content)	61	563	10.8%			
C19-C32 (Oil Range - High Aliphatic/Aromatic Content)	62	316	19.6%			

NOTES:
VOCs = Volatile Organic Compounds
TPH = Total Petroleum Hydrocarbons
PAHs = Polynuclear Aromatic Hydrocarbons
C# = carbon chain length (e.g. C6 is carbon chain length of 6 carbons)
[1] = U.S. Environmental Protection Agency, Region 9, Regional Screening Level of Tap Water
[2] = Organic chemical is detected at the Site at the Site at a frequency of equal to and greater than 1% in the samples collected and analyzed (chemical shaded in table).

TABLE II
HISTORICAL SOIL DATA IN SAMPLING AREAS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Sample Location Area	**Location 1**			**Location 2**			**Location 3**					**Location 4**				**Location 5**		
Target COPCs	SVOCs, VOCs			PCBs, Cr 6+			VOCs					PCBs, VOCs				PCBs, VOCs		
Boring ID	DP0151	DP0151	DP0151	DP0346	DP0346	DP0346	SB-001-J24	SB-001-J24	SB-001-J24	SB-001-J24	SB-001-J24	DP0328	DP0328	DP0328	DP0328	DP0127	DP0127	DP0127
Sample Depth	1 - 1.5 ft.	3 - 3.5 ft.	5 - 5.5 ft.	1 ft	2 ft	10 ft	1 ft.	6 ft.	6 ft.	12 ft.	18 ft.	1 ft	2 ft	4 ft	11 ft	4 - 4.5 ft.	9.5 - 10 ft.	14.5 - 15 ft.
Sample Date	3/21/2006	3/21/2006	3/21/2006	5/13/2014	5/13/2014	5/13/2014	6/6/1996	6/11/1996	6/11/1996	6/11/1996	6/11/1996	5/6/2014	5/6/2014	5/6/2014	5/6/2014	3/20/2006	3/20/2006	3/20/2006
Soil Type	Silty Sand	Clay	Silty Sand	Sand	Clay	Clay	Sand	Clay	Clay	Clay	unknown	Silty Sand	Clay	Silty Sand	Clay	Clay	Clay	Sandy Silt
SVOCs (mg/kg)																		
bis(2-Ethylhexyl) phthalate (BEHP)	**0.581**	< 0.25	-	< 0.5	< 0.5	< 0.5	-	-	-	-	-	< 0.5	-	< 0.5	< 0.5	< 0.25	< 0.25	< 0.25
Total PCBs	-	-	-	**0.26**	< 0.05	< 0.05	-	-	-	-	-	**0.086**	< 0.05	< 0.05	< 0.05	< 0.035	**0.23**	< 0.035
VOCs (mg/kg)																		
1,1,1-Trichloroethane (1,1,1-TCA)	**21.9**	**0.546**	< 0.005	< 0.00089	< 0.00078	< 0.00043	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00084	< 0.0008	< 0.0032	< 0.00089	**0.0085 J**	**0.0126**	**0.0099 J**
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	-	-	-	< 0.0089	< 0.0078	< 0.0043	**0.027**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.0084	< 0.008	< 0.032	< 0.0089	-	-	-
1,2,4-Trimethylbenzene	**0.617**	**0.561**	< 0.005	< 0.0018	< 0.0016	< 0.00086	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.0017	< 0.0016	< 0.0064	< 0.0018	< 0.005	< 0.005	< 0.005
1,3,5-Trimethylbenzene	< 0.005	**0.188**	< 0.005	< 0.0018	< 0.0016	< 0.00086	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.0017	< 0.0016	< 0.0064	< 0.0018	< 0.005	< 0.005	< 0.005
Acetone	< 0.025	< 0.025	< 0.025	< 0.045	< 0.039	< 0.021	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**0.048**	< 0.076	< 0.16	< 0.044	< 0.025	< 0.025	< 0.025
Benzene	**1.1**	< 0.002	< 0.002	< 0.00089	< 0.00078	< 0.00043	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00084	< 0.00092	< 0.0032	< 0.00089	< 0.002	< 0.002	< 0.002
cis-1,2-Dichloroethene (cis-1,2-DCE)	**13.2**	**0.386**	**0.0146**	< 0.00089	< 0.00078	< 0.00043	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00084	< 0.0008	< 0.0032	< 0.00089	< 0.005	< 0.005	< 0.005
Ethylbenzene	**2.93**	**0.103**	< 0.002	< 0.00089	< 0.00078	< 0.00043	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00084	< 0.0008	< 0.0032	< 0.00089	< 0.002	< 0.002	< 0.002
Tetrachloroethene (PCE)	**940**	**5**	**0.0733**	**0.001**	< 0.00078	< 0.00043	**0.015**	< 0.005	< 0.005	< 0.005	< 0.005	**59**	< 0.089	**0.049**	**0.013**	**0.0518**	**0.132**	**0.13**
Toluene	**24.9**	**0.143**	**0.0021 J**	< 0.00089	< 0.00078	< 0.00043	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.00084	< 0.0008	< 0.0032	< 0.00089	< 0.002	< 0.002	< 0.002
Trichloroethene (TCE)	**166**	**0.843**	**0.0248**	< 0.0018	< 0.0016	< 0.00086	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	**0.0034**	< 0.0016	< 0.0064	< 0.0018	**0.0102**	**0.027**	**0.0328**
Total Xylenes	**-**	**-**	**-**	-	-	-	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005					-	-	-
Xylenes (m/p)	**9.1**	**0.271**	< 0.002	< 0.0018	< 0.0016	< 0.00086	-	-	-	-	-	< 0.0017	< 0.0016	< 0.0064	< 0.0018	< 0.002	< 0.002	< 0.002
Xylenes (o)	**2.1**	**0.0599 J**	< 0.002	< 0.00089	< 0.00078	< 0.00043	-	-	-	-	-	< 0.00084	< 0.0008	< 0.0032	< 0.00089	< 0.002	< 0.002	< 0.002
Metals (mg/kg)																		
Hexavalent Chromium (Cr+6)	-	-	-	**0.92**	**0.55**	**0.85**	-	-	-	-	-	< 0.4	-	-	-	-	-	-

Notes:
1. < # - Compound was analyzed but not detected above MDL.
2. Results in **bold** were detected.
3. - not analyzed

TABLE III
SUMMARY OF ANALYTICAL TESTING FOR SAMPLING AREAS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	Chemicals of Concern	Number of Borings	Sample Depths (feet)*	Number of Samples	Analyses
1 - DP0151	1,1,1-TCA, cis-12,DCE, ethylbenzene, xylenes, benzene, toluene, PCE, TCE, bis(2-Ethylhexyl)phthalate 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene	3	0.5, 2, 7 (Hold 5.5, 8.5)	9	total and SPLP for chemical of concern
		1	0.5, 2, 7	3	soil physical properties
2 - DP0346	Hexavalent Chromium, PCBs	3	1, 2, 8.5, 12.5 (Hold 14)	12	total and SPLP for chemical of concern
		1	1, 2, 8.5, 12.5 (Hold 14)	4	soil physical properties
3 - SB-001-J24	Freon 113	3	0.5, 1.5, 5 (Hold 9, 12)	9	total and SPLP for chemical of concern
		1	0.5, 1.5, 5, 12	4	soil physical properties
4 - DP0328	Acetone, PCBs	3	0.5, 1.5, 5 (Hold 10, 14)	9	total and SPLP for chemical of concern
		1	0.5, 1.5, 5, 14	4	soil physical properties
5 - DP0127	PCBs, PCE, TCE	3	5, 9, 12 (Hold 14)	9	total and SPLP for chemical of concern
		1	5, 9, 12	3	soil physical properties

Notes:
1. * Anticipated soil types targeted are sand (0.5 ft), clay (1.5-2, 12-14 ft), and silt (5-9 ft) and sample depths may be adjusted based on field observations.
2. Soil physical property tests will include: total porosity, moisture content, volumetric moisture and air, total organic carbon/fraction organic compound, soil bulk and grain density, and grain size distribution.

FIGURES

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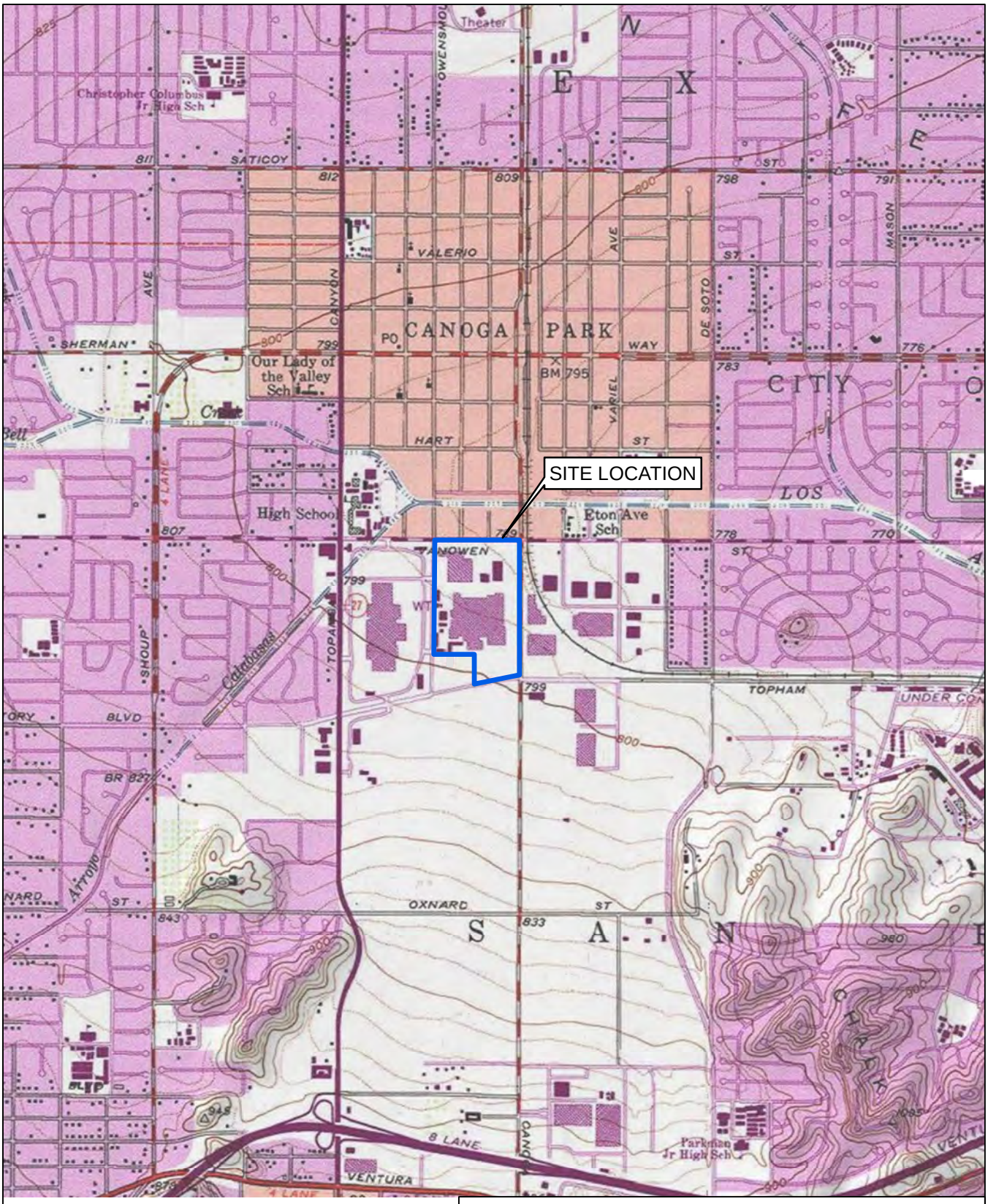

SITE COORDINATES:34°11'26.45"N 118°35'15"W

U.S.G.S. QUADRANGLE: CANOGA PARK, CA

HALEY ALDRICH

UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

SITE LOCUS

SCALE: 1:24,000
JUNE 2015

FIGURE 1

32594-369.pdf

MOBINI, DARIUSH Pr□□d: 6\12\2015 3:15 PM L□□□□: FIG-4
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VANOWEN STREET

OWENSMOUTH AVENUE

CANOGA AVENUE

HELIPORT

VICTORY BOULEVARD

BEST BUY CO. INC.
COMMERCIAL PROPERTY

FORMER BUILDING 038

001
FACTORY

002

003

004

005

016

027

028

029

030

031

039

042

043

066

SURPLUS
SALES

LOCATION 1 : DP0151
A□□□□□□:
1,1,1-TCA, □□-1,2-DCE, □□□□□□□□□□;
x□□□□□, □□□□□□□, (□□□□□□;
PCE, TCE,
□□□2-E□□□□□x□□□□□□□□□
1,2,4-Tr□ □□□□□□□□□□
1,3,5-Tr□ □□□□□□□□□□

LOCATION 2 : DP0346
A□□□□□□:
H□x□□□□□C□r□□ □□, PCB□

LOCATION 3 : SB-001-J24
A□□□□□:
Fr□□ 113

LOCATION 4 : DP0328
A□□□□□:
A□□□□□, PCB□

LOCATION 5 : DP0127
A□□□□□:
PCBS, PCE, TCE

LEGEND

- APPROXIMATE PROPERTY LINE
- 005 BUILDING OUTLINE
- FENCE
- SOIL BORING LOCATION
- SOIL GAS SAMPLE LOCATION
- SOIL BORING AND SOIL GAS SAMPLE LOCATION
- CLARIFIER
- FORMER TCE USE AREA
- PITS, SUMPS, DRAINS, VAULTS
- FORMER VAPOR DEGREASER
- PAVEMENT PATCH
- TRENCH DRAIN
- CHROME SCRUBBER
- EQUIPMENT PAD
- COOLING TOWER
- LOCATION EXCEEDS SOIL REMEDIATION GOALS
- LOCATION EXCEEDS SOIL GAS REMEDIATION GOALS
- PLANNED SAMPLE LOCATION
- PLANNED PHYSICAL PARAMETER SAMPLE LOCATION

N

0 60 120 240
SCALE IN FEET

HALEY ALDRICH

UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

SITE PLAN SHOWING SOIL SAMPLE LOCATIONS

SCALE: AS SHOWN
JUNE 2015

FIGURE 2

ATTACHMENT A

LARWQCB Comment Letter dated 2 June 2015

This document contains no data that is subject to ITAR or EAR

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

June 2, 2015

Mr. David Curnock
United Technologies Corporation
EHS Mail Stop 503
1 Financial Plaza
Hartford, CT 06101

SUBJECT: COMMENTS ON UTC RESPONSE TO THE REGIONAL BOARD'S COMMENTS ON THE DRAFT SOIL MANAGEMENT PLAN

SITE/CASE: PRATT & WHITNEY-ROCKETDYNE, THE FORMER BOEING CANOGA AVENUE FACILITY, 6633 CANOGA AVE., CANOGA PARK, CA (SCP NO. 0237A, SITE ID NO. 2040214)

Dear Mr. Curnock:

We have received the "Response to LARWQCB Comments dated 22 January 2015 Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils" (Letter) dated March 25, 2015, prepared by your consultant Haley & Aldrich for the above referenced site. The Letter was prepared in response to our comments (Comment) dated January 22, 2015. We have reviewed your Letter and have the following comments:

1. Regarding Comment No.1, your letter dated March 18, 2015, "Response to OEHHA Comments dated December 5, 2014, Draft Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils" was forwarded to the Office of Environmental Health Hazard Assessment (OEHHA) on March 24, 2015 for their review. OEHHA provided its comments to this Regional Board in a memorandum dated May 20, 2015 (copy enclosed). Please respond to OEHHA's comments accordingly. Furthermore, in order to address some of OEHHA's concerns, we have reviewed various site data and have determined that additional soil samples for physical parameter analysis, especially for moisture content, needs to be collected to verify the parameters used in the risk assessment. In addition, an adjustment needs to be made for the enhanced sensitivity of infants and children in the risk evaluations for unrestricted land use scenario.

2. Regarding Comment No. 2, we forwarded your responses to our storm water unit in regards to the evaluation of the storm water and/or surface water protection requirements for the site during and after the building demolition and concur with your responses provided. However, please update the draft soil management plan (SMP) to acknowledge that the site will comply with all post construction requirements imposed by the owner of the municipal separate storm sewer system (MS4 system) you will be discharging to via the planning and development process.

3. Regarding Comment No 3, we accept the response you have provided and have no further comments. Please revise Table 1 and include TPH groundwater protection levels accordingly.

4. Regarding Comment No. 4, the Letter proposes the use of alternative site-specific methodologies to develop site-specific groundwater protection levels. The site-specific groundwater protection levels are proposed to be developed using vadose soil sample results of both total concentrations and Synthetic Precipitation Leaching Procedure (SPLP) data (soluble concentrations). It is further proposed that the SPLP methodology used be consistent with the methodology recommended by the County of San Diego Department of Environmental Health (DEH) in the *Site Assessment and Mitigation Manuel* (SAM Manual), dated August 15, 2011. The Letter indicates that seven samples will be collected and analyzed for total and soluble concentrations using the select organic chemicals and hexavalent chromium. Based on the size of the site, more samples may need to be collected. Samples must be collected from known source areas along with non-source areas, and from various types of soil with depths ranging from surface to water table, in order to get a good representation of the site conditions. Soil vapor to groundwater contamination must also be considered when developing the site-specific groundwater protection levels. To meet the groundwater quality objectives defined in the *Water Quality Control Plan* for the Los Angeles Region, any residual contaminants of concern in soil shall not have leachable concentrations exceeding their MCLs, notification levels, or natural background levels at the water table beneath the site.

   The Letter indicates that alternatively a soil partition equation and/or the Guidebook will be used to derive the groundwater protection level using site-specific soil parameters and a groundwater dilution attenuation factor of 20 to account for contaminant mixing in the underlying aquifer. This Regional Board does not allow the use of a groundwater dilution factor when developing groundwater protection levels. When developing site-specific groundwater protection levels, please use the MCL, notification levels, or natural background levels for each contaminant of concern (chemical has been detected in soil sampled collected at the site at a sample frequency of equal to or greater than 1%).

5. In regards to Comment No. 5 we accept the response you have provided and have no further comments.

Please collect additional soil data from the site as soon as possible for developing appropriate soil remediation goals that are protective of human health and groundwater resources. The revised Draft SMP must incorporate all the above referenced comments along with the previous comments we have provided during our discussions or via e-mails. The revised Draft SMP must also address any additional comments from OEHHA for the site. Please submit a revised Draft SMP to this Regional Board by **September 4, 2015**.

If you have any questions, please contact Ms. Ana Townsend at (213) 576-6738 or ana.townsend@waterboards.ca.gov.

Sincerely,

Samuel Unger

Samuel Unger, P.E.
Executive Officer

Enclosure: OEHHA Memorandum dated May 20, 2015

E-Mailing List: see next page

E-Mailing List
Thomas Tatnall, Haley & Aldrich, Inc.
Kelly Hoggan, Haley & Aldrich, Inc.
Hedi Rous, PCR Services Corporation
Dennis Watsabaugh, Jones Lang LaSalle

Office of Environmental Health Hazard Assessment

George Alexeeff, Ph.D., D.A.B.T. Director
Headquarters • 1001 I Street • Sacramento, California 95814
Mailing Address: P.O. Box 4010 • Sacramento, California 95812-4010
Oakland Office • Mailing Address: 1515 Clay Street, 16th Floor • Oakland, California 94612

Matthew Rodriquez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

MEMORANDUM

TO: Ana Townsend
Water Resources Control Engineer
California Regional Water Quality Control Board, Los Angeles Region
320 West 4th Street, Suite 200 1st Floor
Los Angeles, California 90013

FROM: James C. Carlisle, D.V.M., M.Sc., J.C.
Staff Toxicologist
Air, Community, and Environmental Research Branch

DATE: May 20, 2015

SUBJECT: HUMAN HEALTH RISK ASSESSMENT, UNITED TECHNOLOGIES CORPORATION, CANOGA AVENUE FACILITY, CANOGA PARK, CALIFORNIA (R4-14-30; OEHHA #880142-03)

Document reviewed

- Response to OEHHA comments on the Human Health Risk Assessment, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California by Haley & Aldrich, Inc., dated March 18, 2015

Chemicals of potential concern (COPCs)

- COPCs included detected PCBs, VOCs, and metals that were considered to be above background levels. OEHHA has questions regarding selected metals:
  - Page 3 identifies antimony, cadmium, cobalt, copper, nickel, selenium, and zinc as COPCs, but Table VIII includes only antimony, cobalt, copper, and nickel (i.e. omitting cadmium, selenium, and zinc).
  - OEHHA does not recommend eliminating contaminants from quantitative assessment because they do not "contribute to elevated human health risks" for two reasons:
    - The best way to show that they do not contribute to elevated human health risks is to include them in the quantitative assessment.
    - Even though they do not individually contribute to elevated human health risks, there could be additive effects.
  - As noted in the text, mercury and arsenic have apparent break points on the histograms and/or QQ plots. Arsenic is said to have no known history of on-site use, but the only argument for eliminating mercury is that other

metals were not present at the location where it was elevated.
  - The response defends the elimination of mercury based on risk management considerations, not the typical order.

- Summary of COPC considerations
  - Although OEHHA does not recommend eliminating contaminants from quantitative assessment because they do not contribute to elevated human health risks, in the interest of expediency OEHHA agrees not to further pursue this point.

Vapor intrusion risks and hazards

- In a December 5, 2014 memo, OEHHA expressed concern that Haley & Aldrich's very low attenuation factors could underestimate vapor intrusion risk and hazard. The calculated attenuation factors for 5-foot samples range from 0.0000013 to 0.000035. Soil layer B was reported as 95% saturated, which is unlikely to be representative of soil under a building
- In a June 28, 2007 memo, OEHHA stated "The fact that the moisture content was based on samples taken below the slab lend added credibility to the results as applied to future structures. Although the moisture content is relatively high, this may be the result of a high water table and fine-grain soils and resulting capillary action. I concur with the response but defer to you as someone more familiar with the site than I am. Also, the layer of clay from two feet deep down to 5 feet, where the soil vapor samples were taken, acts as a barrier to vapor migration. If there were any contamination at shallower depths (above the clay), they would not be blocked by the clay layer, and may migrate into future buildings at a rate up to 2 times as fast as vapors below the clay." The memo concluded " The Haley & Aldrich response to my April, 2007 comments appears to me to be adequate, provided that you agree with their soil characterization".
- Haley & Aldrich does not intend to revise the attenuation factor, citing the above.
- If the post-construction soil saturation remains at 95%, then the 2005 soil sample results can be used to model residential indoor air VOC concentrations.

Adjustment for the enhanced sensitivity of infants and children

- Haley & Aldrich does not intend to revise their estimates based on the enhanced sensitivity of infants and children because their assessment is already conservative.
- OEHHA agrees that assuming a constant concentration of VOCs for 30 years is conservative.
- OEHHA does not agree with Haley & Aldrich's response that a more reasonable exposure point concentration would be and estimated average concentration at the site. Future residents will be exposed to whatever concentration is on their property, not to a site-wide average.

- The appropriate level of conservatism is a risk management decision.

Risks and hazards from contaminants in soil matrix and risk-based target soil matrix concentrations (RBTCs)

- In December 2014, OEHHA estimated combined cancer risk at the soil RBTCs as 7×10^{-5}, primarily due to nickel.
- Haley and Aldrich responds that the risk due to nickel should be treated as zero, since the post-remediation nickel concentration will be at maximum background.
- Responsible parties are not generally held responsible for naturally occurring minerals. Since 43.9 mg/kg is the maximum naturally occurring nickel concentration, post-remediation concentrations should be at or below that level (i.e. no averaging).

Conclusions

- OEHHA conditionally accepts Haley & Aldrich's RBTCs for soil vapors, on the condition that you are satisfied that the 2005 soil characterization is a reasonable predictor of post-construction soil conditions and that the assessment is sufficiently conservative without including an adjustment for the enhanced sensitivity of infants and children
- OEHHA agrees that the responsible party should not be held responsible for naturally occurring nickel, and that the soils risk excluding nickel is ~ 10^{-6}.

Internal peer reviewer:

Nathalie Pham

Nathalie Pham, PhD
Staff Toxicologist

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

November 10, 2015

Mr. David Curnock
United Technologies Corporation
EHS Mail Stop 503
1 Financial Plaza
Hartford, CT 06101

SUBJECT: COMMENTS ON REVISED SOIL MANAGEMENT PLAN

SITE/CASE: PRATT & WHITNEY-ROCKETDYNE, THE FORMER BOEING CANOGA AVENUE FACILITY, 6633 CANOGA AVE., CANOGA PARK, CA (SCP NO. 0237A, SITE ID NO. 2040214)

Dear Mr. Curnock:

We have received the "Report on Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils" (SMP) dated August 2015, prepared by your consultant Haley & Aldrich for the above referenced site. The SMP has been revised to address the Regional Water Quality Control Board comments provided to you in our Letters dated January 22, 2015 and June 2, 2015 and the Office of Environmental Health Hazard Assessment (OEHHA) comments provided to you in memorandums dated December 5, 2014 and May 20, 2015.

We have reviewed the SMP. It appears that some of our previous comments have not been clearly addressed. As Regional Board staff discussed with you and your consultants on November 6, 2015, please revise Table III and any text in the document associated with the cleanup goals to clarify which values were developed as soil remediation goals and which values were actual soil concentrations detected at the site that were evaluated in the Human Health Risk Assessment. Please clearly indicate in the SMP that if contaminants of concern are detected above the maximum concentrations listed on Table III in the future that the those values will be re-evaluated at that time. Please submit a revised SMP incorporating the comments provided in this letter to the Regional Board by **November 20, 2015**.

If you have any questions, please contact Ms. Ana Townsend at (213) 576-6738 or ana.townsend@waterboards.ca.gov.

Sincerely,

for Paula Rasmussen

Samuel Unger, P.E.
Executive Officer

E-Mailing List: see next page

E-Mailing List
Thomas Tatnall, Haley & Aldrich, Inc.
Kelly Hoggan, Haley & Aldrich, Inc.
Hedi Rous, PCR Services Corporation
Dennis Watsabaugh, Jones Lang LaSalle

APPENDIX B

Report on Additional Soil Sampling, SPLP, and Physical Parameters Analysis for Development of Soil Remediation Goals

HALEY & ALDRICH, INC.
3187 Red Hill Ave
Suite 155
Costa Mesa, CA 92626
714.371.1800

20 August 2015
File No. 32594-455

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Attention: Ms. Ana Townsend

Subject: Report on Additional Soil Sampling, SPLP, and Physical Parameters Analysis for Development of Soil Remediation Goals
United Technologies Corporation
Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303
LARWQCB Case #0237A, Site ID No. 2040214

Dear Ms. Townsend:

On behalf of United Technologies Corporation (UTC), Haley & Aldrich, Inc. (Haley & Aldrich) prepared this Report on Additional Soil Sampling, Synthetic Precipitation Leaching Procedure (SPLP), and Physical Parameters Analysis for developing Soil Remediation Goals (SRGs) at the UTC Canoga Avenue facility located at 6633 Canoga Avenue in the City of Canoga Park, California (Site, Figure 1). This work was performed in accordance with the Scope of Work on Additional Soil Sampling, SPLP, and Physical Parameters Analysis for Development of Soil Remediation Goals dated 15 June 2015 and approved by the Los Angeles Regional Water Quality Control Board's (LARWQCB) in their letter dated 14 July 2015. This work was in response to the LARWQCB letter "Comments on UTC Response to the Regional Board's Comments on the Draft Soil Management Plan", dated 2 June 2015, provided in response to the 25 March 2015 Haley & Aldrich response to the LARWQCB's Comments dated 22 January 2015, on the Draft Soil Management Plan (SMP) prepared by Haley & Aldrich, dated 2 October 2014.

Five comments were presented by the LARWQCB in their 2 June 2015 letter. However, only two of the comments, Comment #1 and #4, required further work including the need for additional soil sampling and analysis to develop SRGs that are protective of both human health and groundwater. This report summarizes the field activities and analytical results for the additional soil samples collected.

Scope of Work

The scope of work consisted of advancing a total of 20 direct-push borings to 15 feet below ground surface in five areas with previously detected impacts to collect samples for analysis of physical parameters and/or total and soluble concentrations of chemicals of potential concern (COPCs) for the

derivation of groundwater protection levels (GPLs). Sampling and testing was limited to vadose zone soils. Three to six samples were collected for analysis from each soil boring with each sample collected from a different soil type to the extent practical. Sample depths were based on previous impacts detected and the soil types encountered. Soil boring locations are presented on Figure 2.

SOIL SAMPLING

Soil borings DP0372 to DP0390 were advanced with a direct-push Geoprobe DT325 dual-tube sampling system Limited Access Rig to limit sloughing and potential cross-contamination, or by hand augering. Three to six soil samples were collected and analyzed from each boring for a total of 69 analytical soil samples and 18 physical properties samples, plus an additional four samples were collected and placed on hold. Soil was logged during sampling using the Unified Soil Classification System. Soil cores were also screened for volatile organic compounds (VOCs) with a photoionization detector and visually inspected for signs of staining. Boring logs are included in Attachment A.

LABORATORY ANALYSES

Laboratory analyses were conducted by Accutest, a California Environmental Laboratory Accreditation Program-certified (ELAP) analytical laboratory located in San Jose, California and approved by UTC. Sixty-six soil samples were analyzed for one or more of the following COPCs:

- VOCs (1,1,1-trichloroethene, Freon 113, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, acetone, benzene, cis-1,2-dichloroethene, ethylbenzene, tetrachloroethene, toluene, trichloroethene, and xylenes) by U.S. Environmental Protection Agency (EPA) Method 8260B/5035A;
- Semi-volatile organic compounds bis (2-ethyl hexyl) phthalate by EPA Method 8270C;
- Total polychlorinated biphenyls by EPA Method 8082; and
- Hexavalent chromium by EPA Method 7196A.

The soil samples were analyzed for total COPC concentrations and the SPLP extract generated following EPA Method 1312 was analyzed for the leached soluble concentrations of COPC. Analytical results are summarized in Table I. Laboratory reports are included in Attachment B.

The analytical methods used to analyze the physical properties are as follows:

- Total porosity and air-filled porosity by API RP 40 reported in cubic centimeters/cubic centimeters (cm^3/cm^3);
- Moisture content by ASTM D2216/API RP 40 reported in percent by weight and cm^3/cm^3;
- Total organic carbon by Walkley-Black Method reported in milligrams per kilogram and fraction organic carbon in grams/grams;
- Soil bulk density by API RP 40 reported in grams per cubic centimeter (g/cm^3);

- Grain density by API RP 40 reported in g/cm^3; and
- Grain size distribution by ASTM D4464 reported in weight percentage.

The laboratory report for the physical properties testing is included in Attachment B.

BOREHOLE ABANDONMENT

Borings were backfilled with bentonite chips placed in 1 to 2 foot lifts and then each lift to approximately 6 inches below grade. The surface was patched with concrete or asphalt to match surrounding grade.

EQUIPMENT DECONTAMINATION

Field sampling equipment, including hand-auger buckets, push-rods, and direct-push core barrels were decontaminated prior to first use and between each boring by washing with a trisodium phosphate-based detergent and tap water, followed by successive rinses with tap water, and a final rinse in deionized water.

INVESTIGATION DERIVED WASTE MANAGEMENT

Decontamination water and soil cuttings generated from this sampling effort were collected and temporarily stored in Department of Transportation-approved 55-gallon steel drums. The drums were appropriately sealed, labeled, and stored on-Site at the facility's waste storage area pending profiling of the waste and off-Site disposal at a facility licensed to accept such waste. Decontamination water was processed through the UTC's permitted groundwater extraction and treatment system located onsite. The drum containing soil was profiled and disposed of off-Site as non-hazardous waste by Clean Harbors, UTC's approved waste disposal contractor. The disposal manifest is included in Attachment C along with the profiling documentation for these materials.

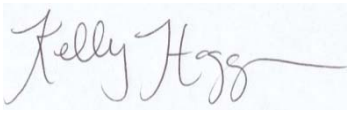
FINDINGS

The results from this investigation will be used to derive the GPLs and the human health protective level that will be used to update the SRGs which are to be presented in the revised SMP for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils.

CLOSURE

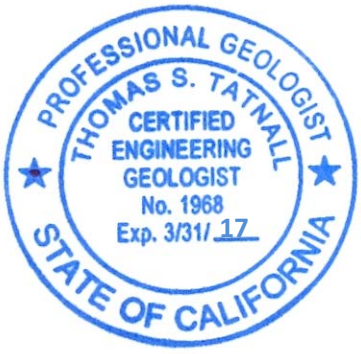
Should you have any questions regarding this report, please do not hesitate to contact us.

Sincerely yours,
HALEY & ALDRICH, INC.



Kelly Hoggan, PG No. 9026
Assistant Project Manager
Geologist

Thomas S. Tatnall, CEG No. 1968
Program Manager



Enclosures:

References
Table I Summary of Soil Analytical Results
Figure 1 Site Locus
Figure 2 Site Plan showing Soil Boring Locations
Attachment A – Boring Logs
Attachment B – Laboratory Reports
Attachment C - Investigation Derived Waste Disposal Documentation

c: United Technologies Corporation; Attn: Mr. David Curnock

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References

1. California Regional Water Quality Control Board Los Angeles Region, 2015a. Comments of Draft Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils, Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, CA, (SCP No. 0237A, Site ID No. 2040214), dated 22 January 2015.

2. California Regional Water Quality Control Board Los Angeles Region, 2015b. Comments on UTC Response to the Regional Board's Comments on the Draft Soil Management Plan, Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, CA, (SCP No. 0237A, Site ID No. 2040214), dated 2 June 2015.

3. California Regional Water Quality Control Board Los Angeles Region, 2015c. "Approval of Additional Site Assessment Activities for Development of Soil Remediation Goals, Pratt & Whitney-Rocketdyne, The Former Boeing Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, CA, (SCP No. 0237A, Site ID No. 2040214), dated 14 July 2015.

4. Haley & Aldrich, Inc., 2014. Draft Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214, dated 2 October 2014.

5. Haley & Aldrich, Inc., 2015b. Response to LARWQCB Comments dated 22 January 2015 Soil Management Plan for Assessment, Remediation and Confirmation Sampling of Vadose Zone Soils, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214, dated 25 March 2015.

6. Haley & Aldrich, Inc. 2015c. Scope of Work on Additional Soil Sampling, SPLP, and Physical Parameters Analysis for Development of Soil Remediation Goals, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214, dated 15 June 2015.

This document contains no data that is subject to ITAR or EAR.

TABLES

TABLE I
SUMMARY OF ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORP
CANOGA AVENUE FACILITY
CANOGA PARK, CA

Location	DP0372	DP0372	DP0372	DP0372	DP0373	DP0373	DP0373	DP0373	DP0374	DP0374	DP0374	DP0376	DP0376	DP0376	DP0376	DP0376	DP0376	DP0377
Sample Date	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/25/2015	06/25/2015	06/25/2015	06/26/2015	06/26/2015	06/26/2015	06/25/2015
Sample Depth (bgs)	5 (ft)	9 (ft)	12 (ft)	14 (ft)	5 (ft)	9 (ft)	12 (ft)	14 (ft)	5 (ft)	9 (ft)	12 (ft)	1 (ft)	2 (ft)	6.6 (ft)	8.5 (ft)	12.5 (ft)	14 (ft)	1 (ft)
Inorganic Compounds (mg/kg)																		
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	ND (1)	ND (1)	**1.8**	ND (1)	ND (1)	**1.4**	ND (1)
Other (%)																		
Moisture	**27.1**	**25.8**	**23.6**	**11.9**	**22.6**	-	**25**	-	-	**22.8**	**21.3**	**10.4**	**12**	**12.5**	**12**	**19**	**17.3**	**10.5**
PCBs (ug/kg)																		
Aroclor-1016 (PCB-1016)	ND (6.7)	ND (6.7)	ND (6.6)	ND (6.6)	ND (6.7)	ND (6.6)	ND (6.6)	ND (6.7)	ND (6.5)	ND (6.5)	ND (6.6)	ND (6.6)	ND (6.7)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.5)	ND (6.6)
Aroclor-1221 (PCB-1221)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (17)	ND (16)	ND (17)	ND (16)	ND (17)	ND (17)	ND (16)	ND (17)
Aroclor-1232 (PCB-1232)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (17)	ND (16)	ND (17)	ND (16)	ND (17)	ND (17)	ND (16)	ND (17)
Aroclor-1242 (PCB-1242)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (17)	ND (16)	ND (17)	ND (16)	ND (17)	ND (17)	ND (16)	ND (17)
Aroclor-1248 (PCB-1248)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (17)	ND (16)	ND (17)	ND (16)	ND (17)	ND (17)	ND (16)	**91.1**
Aroclor-1254 (PCB-1254)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (17)	ND (16)	ND (17)	ND (16)	ND (17)	ND (17)	ND (16)	ND (17)
Aroclor-1260 (PCB-1260)	ND (6.7)	ND (6.7)	ND (6.6)	ND (6.6)	ND (6.7)	ND (6.6)	ND (6.6)	ND (6.7)	ND (6.5)	ND (6.5)	ND (6.6)	**16.6 J**	ND (6.7)	**11 J**	ND (6.6)	ND (6.6)	ND (6.5)	**83.1**
Semi-Volatile Organic Compounds (ug/kg)																		
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/kg)																		
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**569**	**635**	**119**	**274**	**22.9**	**94.9**	**122**	**91.1**	**81.4**	**66.7**	**43.9**	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	**13**	**25.5**	**13.6**	**38.5**	**1.6 J**	**6.2**	**8.6**	**6.5**	**4.7 J**	**3.5 J**	**2.5 J**	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Inorganic Compounds (mg/L)																		
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
SPLP PCBs (mg/L)																		
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	ND (0.000023)	-	ND (0.000023)	-	-	-	ND (0.000023)
Aroclor-1221 (PCB-1221)	-	-	-	-	-	-	-	-	-	-	-	ND (0.000084)	-	ND (0.000084)	-	-	-	ND (0.000084)
Aroclor-1232 (PCB-1232)	-	-	-	-	-	-	-	-	-	-	-	ND (0.000022)	-	ND (0.000022)	-	-	-	ND (0.000022)
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	ND (0.000044)	-	ND (0.000044)	-	-	-	ND (0.000044)
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	ND (0.000056)	-	ND (0.000056)	-	-	-	ND (0.000056)
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	ND (0.000018)	-	ND (0.000018)	-	-	-	ND (0.000018)
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	ND (0.000017)	-	ND (0.000017)	-	-	-	ND (0.000017)
SPLP Semi-Volatile Organic Compounds (mg/L)																		
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Volatile Organic Compounds (mg/L)																		
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**0.0094**	**0.0121**	**0.00058 J**	ND (0.00033)	ND (0.00033)	**0.00071 J**	ND (0.00033)	**0.0011**	ND (0.00033)	ND (0.00033)	ND (0.00033)	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	**0.00076 J**	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00022)	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected (MCL shown in parenthesis)
3. J - Estimated value

TABLE I
SUMMARY OF ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORP
CANOGA AVENUE FACILITY
CANOGA PARK, CA

Location	DP0377	DP0377	DP0377	DP0377	DP0378	DP0378	DP0378	DP0378	DP0378A	DP0380	DP0380	DP0380	DP0380	DP0381	DP0381	DP0381	DP0381	DP0381
Sample Date	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/26/2015	06/26/2015	06/26/2015	06/26/2015	06/26/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015
Sample Depth (bgs)	2 (ft)	8.5 (ft)	12.5 (ft)	14 (ft)	2.5 (ft)	8.5 (ft)	12.5 (ft)	14 (ft)	1 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	12 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	9 (ft)	12 (ft)
Inorganic Compounds (mg/kg)																		
Chromium VI (Hexavalent)	ND (1)	ND (1)	ND (1)	ND (1)	**1.1**	ND (1)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-	-	-	-
Other (%)																		
Moisture	**13.3**	**8.5**	**18.2**	**18.1**	**12.3**	**12.8**	**17.5**	**17.1**	**11.3**	**7.9**	**20.3**	**12.8**	**18.1**	**9.8**	**19.6**	**13.1**	**13.4**	**16.5**
PCBs (ug/kg)																		
Aroclor-1016 (PCB-1016)	ND (6.6)	ND (6.7)	ND (6.6)	ND (6.7)	ND (6.7)	ND (6.6)	ND (6.5)	ND (6.6)	ND (6.6)	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (17)	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (17)	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (17)	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (17)	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	**87.9**	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	**36.1**	ND (6.7)	ND (6.6)	ND (6.7)	ND (6.7)	ND (6.6)	ND (6.5)	ND (6.6)	**10.3 J**	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (ug/kg)																		
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/kg)																		
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	ND (0.45)	ND (0.51)	ND (0.47)	ND (0.43)	ND (0.46)	ND (0.44)	ND (0.46)	ND (0.49)	ND (0.42)
SPLP Inorganic Compounds (mg/L)																		
Chromium VI (Hexavalent)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-	-	-
SPLP PCBs (mg/L)																		
Aroclor-1016 (PCB-1016)	ND (0.000023)	-	-	-	-	-	-	-	ND (0.000023)	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	ND (0.000084)	-	-	-	-	-	-	-	ND (0.000084)	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	ND (0.000022)	-	-	-	-	-	-	-	ND (0.000022)	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	ND (0.000044)	-	-	-	-	-	-	-	ND (0.000044)	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ND (0.000056)	-	-	-	-	-	-	-	ND (0.000056)	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ND (0.000018)	-	-	-	-	-	-	-	ND (0.000018)	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ND (0.000017)	-	-	-	-	-	-	-	ND (0.000017)	-	-	-	-	-	-	-	-	-
SPLP Semi-Volatile Organic Compounds (mg/l																		
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Volatile Organic Compounds (mg/L)																		
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected (MCL shown in parenthesis)
3. J - Estimated value

TABLE I
SUMMARY OF ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORP
CANOGA AVENUE FACILITY
CANOGA PARK, CA

Location	DP0382	DP0382	DP0382	DP0382	DP0382	DP0384	DP0384	DP0384	DP0384	DP0384	DP0385	DP0385	DP0385	DP0385	DP0386	DP0386	DP0386	DP0386
Sample Date	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015
Sample Depth (bgs)	0.5 (ft)	1.5 (ft)	5 (ft)	9 (ft)	12 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	10 (ft)	14 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	10 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	10 (ft)
Inorganic Compounds (mg/kg)																		
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other (%)																		
Moisture	**8.6**	**20.6**	**13.5**	**13.9**	**17.7**	**9.8**	**15.5**	**20.8**	**27.7**	**23.2**	**8.6**	**14.5**	**23.9**	**16.5**	**22.3**	**22.7**	**11.8**	**19.9**
PCBs (ug/kg)																		
Aroclor-1016 (PCB-1016)	-	-	-	-	-	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.7)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.5)
Aroclor-1221 (PCB-1221)	-	-	-	-	-	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)
Aroclor-1232 (PCB-1232)	-	-	-	-	-	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)
Aroclor-1242 (PCB-1242)	-	-	-	-	-	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)
Aroclor-1248 (PCB-1248)	-	-	-	-	-	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)
Aroclor-1254 (PCB-1254)	-	-	-	-	-	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)
Aroclor-1260 (PCB-1260)	-	-	-	-	-	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.7)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.5)
Semi-Volatile Organic Compounds (ug/kg)																		
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/kg)																		
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	ND (11)	ND (13)	ND (11)	ND (9.5)	ND (9.2)	ND (1700)	ND (430)	ND (12)	ND (9.5)	ND (10000)	ND (10)	ND (9.6)	ND (11)
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ND (0.68)	ND (0.43)	ND (0.49)	ND (0.61)	ND (0.44)	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Inorganic Compounds (mg/L)																		
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP PCBs (mg/L)																		
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Semi-Volatile Organic Compounds (mg/l																		
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Volatile Organic Compounds (mg/L)																		
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	**0.0351**	**0.0375**	**0.0254**	**0.0408**	**0.015 J**	**0.0308**	**0.0336**	**0.0337**	**0.0505**	**0.0365**	**0.0326**	**0.0111 J**	**0.0227 J**
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	-	-	-	-	-	-

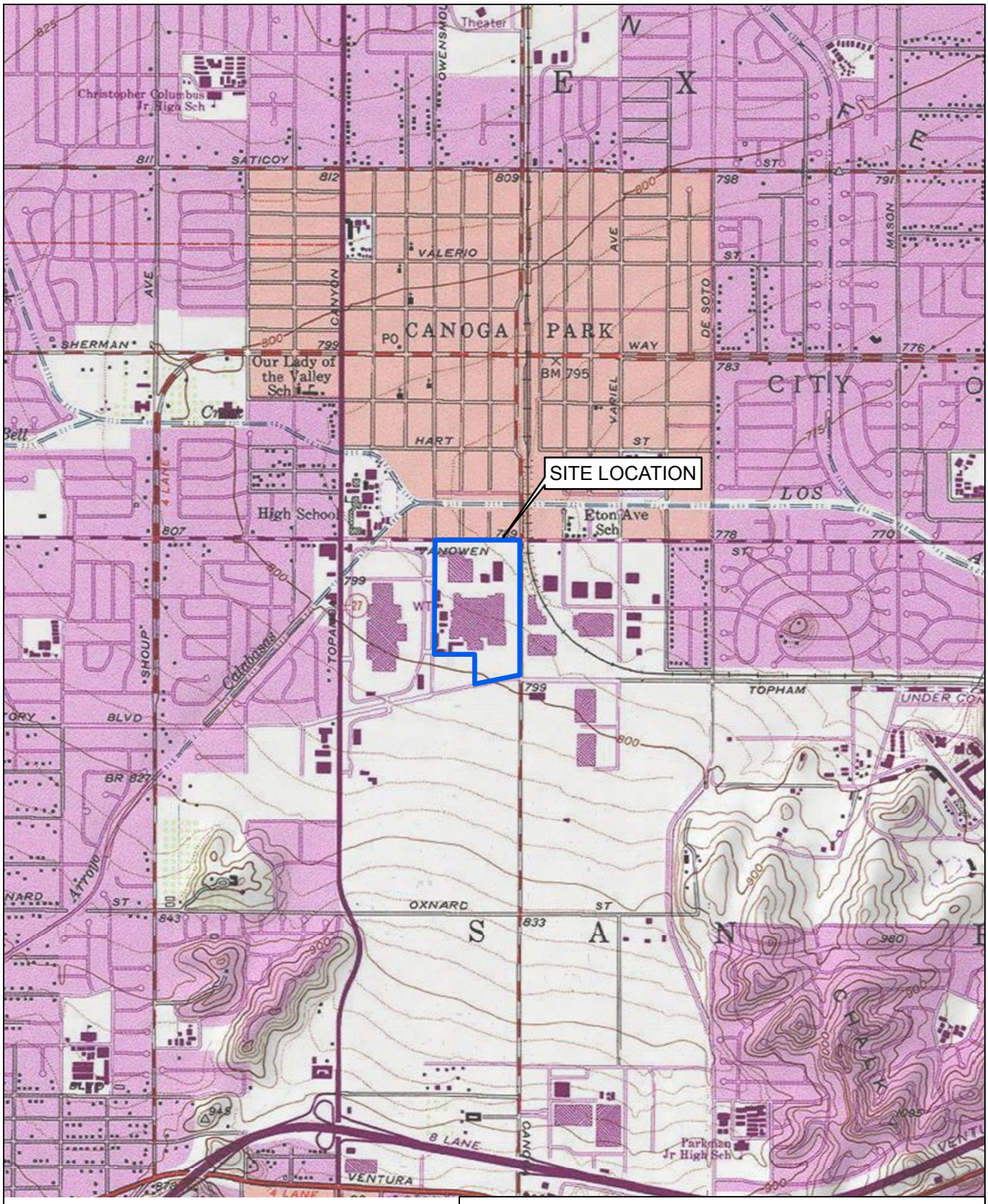
Notes:
1. Results in **bold** were detected.
2. ND - Not detected (MCL shown in parenthesis)
3. J - Estimated value

TABLE I
SUMMARY OF ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORP
CANOGA AVENUE FACILITY
CANOGA PARK, CA

Location	DP0386	DP0388	DP0388	DP0388	DP0388	DP0389	DP0389	DP0389	DP0389	DP0389	DP0390	DP0390	DP0390	DP0390	DP0390
Sample Date	06/24/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015
Sample Depth (bgs)	14 (ft)	1 (ft)	2 (ft)	7 (ft)	8.5 (ft)	1 (ft)	2 (ft)	5.5 (ft)	7 (ft)	8.5 (ft)	1 (ft)	2 (ft)	5.5 (ft)	7 (ft)	8.5 (ft)
Inorganic Compounds (mg/kg)															
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other (%)															
Moisture	**16.8**	**19**	**19.7**	**13.6**	**23**	**18.2**	**20.3**	**15.1**	**15.6**	**15.5**	**18**	**19.9**	**13.7**	**13**	**23.7**
PCBs (ug/kg)															
Aroclor-1016 (PCB-1016)	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	ND (16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	ND (16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	ND (16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	ND (16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ND (16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ND (6.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (ug/kg)															
bis(2-Ethylhexyl)phthalate	-	ND (67)	ND (66)	ND (66)	ND (67)	**1710**	ND (66)	ND (67)	ND (67)	ND (66)	**3920 J**	ND (67)	ND (66)	ND (66)	ND (66)
Volatile Organic Compounds (ug/kg)															
1,1,1-Trichloroethane	-	ND (44)	ND (24)	**0.72 J**	**1.5 J**	**8610 J**	ND (22)	ND (0.46)	ND (0.48)	**1.8 J**	**3.4 J**	**6.9**	ND (0.62)	ND (0.59)	**2.3 J**
1,2,4-Trimethylbenzene	-	ND (88)	**170 J**	ND (1.3)	ND (1.1)	ND (5700)	ND (43)	ND (0.91)	ND (0.96)	ND (1.2)	ND (0.96)	**1.5 J**	ND (1.2)	ND (1.2)	ND (1.3)
1,3,5-Trimethylbenzene	-	ND (88)	**53.3 J**	ND (1.3)	ND (1.1)	ND (5700)	ND (43)	ND (0.91)	ND (0.96)	ND (1.2)	ND (0.96)	ND (0.9)	ND (1.2)	ND (1.2)	ND (1.3)
Acetone	ND (8.6)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	ND (44)	ND (24)	ND (0.66)	ND (0.54)	ND (2900)	ND (22)	ND (0.46)	ND (0.48)	ND (0.58)	ND (0.48)	**0.75 J**	ND (0.62)	ND (0.59)	ND (0.64)
cis-1,2-Dichloroethene	-	**304 J**	**91.2 J**	**1.9 J**	**3.1 J**	ND (6300)	**85.3 J**	ND (1)	ND (1.1)	**3.8 J**	**46.9**	**111**	ND (1.4)	ND (1.3)	**7.8**
Ethylbenzene	-	ND (44)	ND (24)	ND (0.66)	ND (0.54)	ND (2900)	ND (22)	ND (0.46)	ND (0.48)	ND (0.58)	ND (0.48)	ND (0.45)	ND (0.62)	ND (0.59)	ND (0.64)
m&p-Xylene	-	ND (44)	ND (24)	ND (0.66)	ND (0.54)	**2910 J**	ND (22)	ND (0.46)	ND (0.48)	ND (0.58)	ND (0.48)	ND (0.45)	ND (0.62)	ND (0.59)	ND (0.64)
o-Xylene	-	ND (44)	ND (24)	ND (0.66)	ND (0.54)	ND (2900)	ND (22)	ND (0.46)	ND (0.48)	ND (0.58)	ND (0.48)	ND (0.45)	ND (0.62)	ND (0.59)	ND (0.64)
Tetrachloroethene	-	**4740**	**1910**	**46.5**	**84.3**	**678000**	**902**	**16.8**	**19.6**	**61.9**	**869**	**1520**	**17.3**	**17.9**	**91.1**
Toluene	-	ND (44)	ND (24)	ND (0.66)	ND (0.54)	**14400 J**	**25.7 J**	ND (0.46)	ND (0.48)	ND (0.58)	ND (0.48)	ND (0.45)	ND (0.62)	ND (0.59)	ND (0.64)
Trichloroethene	-	**1470**	**660**	**13.4**	**23.1**	**119000**	**840**	**3.7 J**	**3 J**	**21.4**	**470**	**736**	**3 J**	**4.8 J**	**36.9**
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Inorganic Compounds (mg/L)															
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP PCBs (mg/L)															
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Semi-Volatile Organic Compounds (mg/l															
bis(2-Ethylhexyl)phthalate	-	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)
SPLP Volatile Organic Compounds (mg/L)															
1,1,1-Trichloroethane	-	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)
1,2,4-Trimethylbenzene	-	**0.0055**	**0.00024 J**	**0.00039 J**	ND (0.0002)	**0.0036**	**0.624**	**0.025**	**0.0042**	**0.0048**	**0.00054 J**	**0.00064 J**	**0.00076 J**	**0.00046 J**	**0.0015 J**
1,3,5-Trimethylbenzene	-	**0.0014 J**	**0.00053 J**	ND (0.0002)	ND (0.0002)	**0.00089 J**	**0.141 J**	**0.0056**	**0.0012 J**	**0.0023**	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	**0.00037 J**
Acetone	**0.0851**	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	**0.0025**	**0.00039 J**	**0.0044**	**0.0016**	**0.0023**	**0.00074 J**	**0.003**	**0.0029**	**0.0023**	**0.0048**	**0.0018**	**0.0029**	ND (0.0002)	**0.0119**
cis-1,2-Dichloroethene	-	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	**0.00052 J**	ND (0.0002)	ND (0.0002)	ND (0.0002)
Ethylbenzene	-	**0.00066 J**	ND (0.0002)	**0.00054 J**	**0.00027 J**	**0.0012**	**0.0096**	**0.0038**	**0.0012**	**0.00055 J**	**0.00064 J**	**0.00026 J**	**0.00042 J**	ND (0.0002)	**0.0015**
m&p-Xylene	-	**0.0032**	ND (0.00026)	**0.0017**	**0.00075 J**	**0.0052**	**0.0492**	**0.0191**	**0.0047**	**0.0018**	**0.0024**	**0.0009 J**	**0.0016**	**0.00034 J**	**0.0062**
o-Xylene	-	**0.0014**	ND (0.0002)	**0.00063 J**	**0.00032 J**	**0.0023**	**0.0821**	**0.01**	**0.0022**	**0.0015**	**0.00081 J**	**0.00043 J**	**0.00061 J**	ND (0.0002)	**0.0027**
Tetrachloroethene	-	**0.0011**	**0.0116**	ND (0.0003)	**0.0049**	**0.00058 J**	**0.00044 J**	ND (0.0003)	ND (0.0003)	ND (0.0003)	ND (0.0003)	**0.0123**	**0.00066 J**	**0.0047**	ND (0.0003)
Toluene	-	**0.0048**	**0.00053 J**	**0.007**	**0.0027**	**0.0058**	**0.0252**	**0.0082**	**0.0068**	**0.0042**	**0.0088**	**0.0085**	**0.0097**	**0.00031 J**	**0.0198**
Trichloroethene	-	ND (0.0002)	**0.0024**	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	**0.0032**	ND (0.0002)	ND (0.0002)	ND (0.0002)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected (MCL shown in parenthesis)
3. J - Estimated value

FIGURES



SITE COORDINATES:34°11'26.45"N 118°35'15"W

U.S.G.S. QUADRANGLE: CANOGA PARK, CA

HALEY ALDRICH

UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

SITE LOCUS

SCALE: 1:24,000
AUGUST 2015

FIGURE 1

32594-369.pdf

VANOWEN STREET

OWENSMOUTH AVENUE

CANOGA AVENUE

VICTORY BOULEVARD

FORMER BUILDING 038

004

043

001 FACTORY

SURPLUS SALES

027

028

016

039

005

003

002

CLARIFIER

030

066

029

042

031

035

HELIPORT

BEST BUY CO. INC.
COMMERCIAL PROPERTY

LOCATION 1 : DP0151
Analytes:
1,1,1-TCA, cis-1,2-DCE, ethylbenzene, xylenes, benzene, toluene, PCE, TCE, bis(2-Ethylhexyl)phthalate
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene

LOCATION 2 : DP0346
Analytes:
Hexavalent Chromium, PCBs

LOCATION 3 : SB-001-J24
Analytes:
Freon 113

LOCATION 4 : DP0328
Analytes:
Acetone, PCBs

LOCATION 5 : DP0127
Analytes:
PCBS, PCE, TCE

LEGEND

- APPROXIMATE PROPERTY LINE
- 005 BUILDING OUTLINE
- FENCE
- SOIL BORING LOCATION
- SOIL GAS SAMPLE LOCATION
- SOIL BORING AND SOIL GAS SAMPLE LOCATION
- CLARIFIER
- FORMER TCE USE AREA
- PITS, SUMPS, DRAINS, VAULTS
- FORMER VAPOR DEGREASER
- PAVEMENT PATCH
- TRENCH DRAIN
- CHROME SCRUBBER
- EQUIPMENT PAD
- COOLING TOWER
- DP0378 CHEMICALS OF POTENTIAL CONCERN AND SPLP SAMPLE LOCATION
- DP0379 PHYSICAL PROPERTIES SAMPLE LOCATION

0 60 120 240
SCALE IN FEET

HALEY ALDRICH

UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

SITE PLAN SHOWING SOIL BORING LOCATIONS

SCALE: AS SHOWN
AUGUST 2015

FIGURE 2

ATTACHMENT A

Boring Logs

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP0372

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	6/24/15
DRILLER	Steve Arausa	**DATE FINISHED**	6/24/15

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

☐ Truck	☐ Tripod	☐ Cat-Head	**Hammer Type**	**Drilling Mud**	**Casing Advance**
☐ ATV	☐ Geoprobe	☐ Winch	☐ Safety	☐ Bentonite	**Type Method Depth**
☒ Track	☐ Air Track	☐ Roller Bit	☐ Doughnut	☐ Polymer	
☐ Skid	☐	☒ Cutting Head	☐ Automatic	☒ None	

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1			.75	SP	4" ASPHALT base, Med dense, gray brown, SAND w gravel										
		40/60				CH	stiff, dark brown, fat clay, no odor, moist, no stain										
						CL	med soft, yellow brown CLAY w silt, no odor, moist no stain.										
5		G-2	005		5	CL/ML	Med soft, brown, clay w/ SILT and fine sand, no odor, moist, no stain						10	90	L	L	L
		24/66															
			009														
10		G-3			10	CL	same as above, decrease SLT.							100			
			012		12	ML	Med soft, yellow brown, SILT w/ fine sand, moist, no stain, no odor.						15	85			
					13	SM	Med dense, yellow brown, silty SAND, no odor.										
			014		14	ML	same as 12 ft.										
15							EOB 15'										
							Backfilled w hydrated bentonite chips, and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram

Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0372

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP 373

Page 1 of

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	6/24/15
DRILLER	Steve Arausa	**DATE FINISHED**	6/24/15

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☐ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☐ Automatic

Drilling Mud

- ☐ Bentonite
- ☐ Polymer
- ☒ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1					4" ASPHALT										
					1	SP	Med dense, gray brown SAND, w gravel, no stain, no odor, moist										
	44/60					CH	Stiff, dark brown, fat CLAY, no odor, moist, no stain								H	H	H
					3.5	CL	Med stiff, brown, lean CLAY, no odor, moist, no stain										
			005		4												
5	0-0	G2				ML	Med stiff, brown, SILT with fine sand, moist, no stain, no odor				30	70					
					6.5						5	95					
		50/60				CL/ML	Med soft, brown, clayey SILT/silty CLAY, no odor, no stain								L	L	L
	0-0		009				Increased SILT								L	LN	L
10		G3			10	CL	Med stiff, brown, lean clay, w SILT, moist, no odor, no stain, carbonate vein deposits.										
	0-0	50/60	012		12	ML	Med soft, yellow brown, SILT w/ fine sand, no stain, no odor; moist										
	0-0		014		14	ML/SM	Med soft, yellow brown, SILTy SAND/sandy SILT, no stain, no odor.				50	50					
15							EOD 15										
							Backfilled w hydrated bentonite chips and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP 373

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP0374

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	6/24/15
DRILLER	Steve Aranda	**DATE FINISHED**	

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☐ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☐ Automatic

Drilling Mud

- ☐ Bentonite
- ☐ Polymer
- ☒ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in. / PID	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		S-1			1	SP	7" ASPHALT										
						CH	Med stiff, gray, fine to med SAND w/ gravel, no stain, no odor.										
		50/60"			3												
						CL	Stiff, dark brown, fat CLAY, no odor, moist, no stain.								H	H	H
							Med stiff, brown lean CLAY w/ SILT, moist, no stain, no odor.										
5	0.0	S-2	005		5	ML/CL	Med soft, brown clayey SILT/SILTY CLAY, no odor, moist, no stain								L	L	L
	0.0		009		9		decreasing silt content.										
						CL	med. stiff, brown lean clay, moist, no staining/odor										
10		10:07 S-3			10	CL/ML	increasing SILT with fine SAND										
			012		12	SM	Med dense, light brown, SILTY fine sand, no odor, moist, no stain										
	0.0		014														
15							EOB 15'										
							backfilled w/ hydrated bentonite chips and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0374

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP0375

Page 1 of

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	~~W~~ 6/24/15
DRILLER	Steve Aravsa	**DATE FINISHED**	

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☒ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☐ Automatic

Drilling Mud

- ☐ Bentonite
- ☐ Polymer
- ☒ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		S-1			1		9" ASPHALT gravel 2 inch.										
					2	CH	Stiff dark brown, fat clay, no odor, moist, no stain										
					~~2~~ 3	CL	Med soft, brown, lean clay, no odor, moist, no stain, carbonate vein deposits										
5		S-2	005		5	MH/CL	Med soft, brown, sandy SILT w/ clay, no stain, moist, no odor.					25	75				
			009														
10		S-3	012		10	MH	Med soft, brown, sandy ELASTIC SILT w/ clay, no odor, moist, no stain.				5	25	70				
					12	ML	Med soft, brown, SILT w/ sand and clay					30	70				
					13.5	SM	Med dense, yellow brown, silty SAND, no odor, moist, no stain										
					14	ML	same as 12'.										
15							EOB 15 ft bgs backfilled w/ hydrated bentonite chips and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0375

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP0376

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	Th 6/25/15
DRILLER	Steve Aranda	**DATE FINISHED**	Th 6/25/15

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)	Hand Auger	1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

☐ Truck ☐ Tripod ☐ Cat-Head
☐ ATV ☐ Geoprobe ☐ Winch
☐ Track ☐ Air Track ☐ Roller Bit
☐ Skid ☐ _____ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0							5-inch										
			01		1	SP	Med dense										
			02			CL/MH	Med stiff, dark brown, ELASTIC SILT/clay										
					3	ML	Med soft, brown SILT w fine sand, moist, no stain, no odor.					20	80				
					4.25	SM	Med dense, yellow brown, silty fine sand, moist, no stain, no odor.				15	70	15				
5		Hand Augered	6.6				-6.6ft, increasing silt, collected sample										
			8.5		9ft	SP/SM	Sand w/ silt, and clay (clay layers) dark brown					70	30				
							-color change to med. brown,										
10					11.5ft	CL	clay, dark brown no odor, trace silt										M
			12.5				@12.5, sample collected, blue-green dry substance noted in clay soil.										M
			14		13ft	ML	silt w/ clay, trace sand brown, no odor, no staining										M
							E.O.B. 14ft										
15							(HAND Augered)										
							BACKfilled w/ Bentonite chips patched w/ Asphalt										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0376

Field Tests Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP0377

Page 1 of

PROJECT	Additional Soil Sampling - SPLP	H&A FILE NO.	32594-455
LOCATION	Canoga Park, CA	PROJECT MGR.	Thomas Tatnall
CLIENT	UTC Technologies	FIELD REP.	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	DATE STARTED	
DRILLER	Anthony/Eligio	DATE FINISHED	Th 6/25/15

Elevation ft. Datum Boring Location

Item	Casing	Sampler	Core Barrel
Type	Hand Augered	~~S~~	
Inside Diameter (in.)		~~1 3/8~~	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head ☐ ATV ☐ Geoprobe ☐ Winch ☐ Track ☐ Air Track ☐ Roller Bit ☐ Skid ☐ ____ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		Cored					Asphalt										
			1.0				6inch core removal										
						SP	Med dense				TR	80	20				
			2.0		1.5	CL/MH	~1.25=Black layered staining clay, dark brown/ELASTIC SILT								M	M	M
					2.5	ML	Med. soft brown, silt w/fine sand, no staining, no odor					30	70				
					4	SM	Sandy silt/Silty sand @ 4ft, color change to Y-B, appears to be a fill material fill to 14 BGS.					20	80				
5		HAND AUGERED															
			8.5														
10																	
			12.5														
			14				E.O.B. 14 BGS										
15							Backfilled w/Bentonite chips and patched										
							Hand Augered										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID	
O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram	
	Riser Pipe
	Screen
	Filter Sand
	Cuttings
	Grout
	Concrete
	Bentonite Seal

Summary

Overburden (Linear ft.) ____

Rock Cored (Linear ft.) ____

Number of Samples ____

BORING NO. DP0377

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High

Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

TEST BORING REPORT

HALEY ALDRICH

BORING NO. DP-378/378A

Page 1 of

PROJECT	Additional Soil Sampling - SPLP	H&A FILE NO.	32594-455
LOCATION	Canoga Park, CA	PROJECT MGR.	Thomas Tatnall
CLIENT	UTC Technologies	FIELD REP.	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	DATE STARTED	
DRILLER	Anthony Eligio	DATE FINISHED	Fri 6/26/15

Elevation ft. Datum Boring Location

Item	Casing	Sampler	Core Barrel
Type		~~S~~	
Inside Diameter (in.)	Hand	~~1 3/8~~	
Hammer Weight (lb.)	Auger	~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☐ Geoprobe ☐ Winch; ☐ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ ☐ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☐ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0					1ft		Concrete, 14.5"										
			2.5			SP	Sand w/ interbedded clay, fine to medium, brown				5	90	5				
					3ft	ML/SM	silty sand/sandy silt					10	90				
5		Hand Augered	8.5		5ft	ML	~~Color~~ Change to yellow brown increasing silt, trace fine sand										
10		Hand Augered	12.5		11ft	SP/SM	sand w/ silt and clay, brown, fine to medium, interbedded clay					55	40				
			14.0				EOB 14 BGS (Hand Augered) Backfilled w/ ~~Bentonite~~ chips, ~~patched w/ asphalt~~										
15							Stepped over to collect the 1ft sample										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST ★ KELLY C. HOGGAN No. 9026 ★ STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO.

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP0379

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	Th/6/25/15
DRILLER	Steve Aranda	**DATE FINISHED**	

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☐ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☐ Automatic

Drilling Mud

- ☐ Bentonite
- ☐ Polymer
- ☒ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1	001		1		12 inch. concrete										
					1.5	SP	loose, gray brown sand.										
						MH/CL	Med stiff, brown, sandy SILT/clay, moist, no odor, no stain.				10	30	60				
			002														
					4ft	ML/SM	med. loose, yellow brown, silty sand - sandy silt										
5		G-2				SM	decreasing silt				10	75	15				
			07-08		7ft	ML	silt w/ clay and sand					25	75				
					8ft	CL	med. stiff, brown, clay, moist carbonate vein deposits								M	M	M
10		G-3															
			11.5-13		12ft	ML	silt w/ fine grained, brown, med. soft, cohesive, moist					15	85		LO	LO-NON	LO
			13.5-15														
15					14.5ft	ML/CL	clay w/ silt med stiff, brown, moist										
							EOB 15 ft bgs and backfilled w/ bentonite chips and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0379

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP-0380

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	~~Th~~ 6/25/15
DRILLER	Steve Arausa	**DATE FINISHED**	

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☒ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☐ Automatic

Drilling Mud

- ☐ Bentonite
- ☐ Polymer
- ☒ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PID	G-1	~~0.5~~		0.5		6in concrete										
					1	SP	Med dense, yellow brown, SAND, no odor, moist, no stain										
	0.0	52/60	~~1.5~~			CH/MH	Stiff, dark brown fat clay, no odor, moist, no stain/ELASTIC SILT.										
					3.5	CL	Med stiff, brown, lean clay, no odor, moist no stain, carbonate vein observed.										
					4.5	ML	Med soft, brown, silt, with clay & fine sand.					40	60				
5		7:10 G-2	~~5~~														
		48/60	~~0.8~~				@9 increase clay, decrease sand					35	65				
	0.0																
10		7:17 G-3			10	CL/MH	Med stiff, brown, lean CLAY w/ SILT, no odor, moist, no stain							L	L	L	
	0.0	48/60	~~1.2~~		13	ML	Med soft, brown, SILT, moist, no odor cohesive, no stain							L	M	L	
15							EOB 15 ft.										
							backfilled w/ hydrated bentonite chips and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0380

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DPO 381

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	~~11/6/15~~ 11/5/15
DRILLER	Steven Aranda	**DATE FINISHED**	

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~ 140	
Hammer Fall (in.)		~~30~~ 30	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☒ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		4-1	0.5		0.5		6 inches concrete										
	0.0		X		1	SP	Med dense, yellow brown, fine SAND, no odor, moist, no stain				10	80	10				
		50/60	1.5 X			CH/MH	Stiff, dark brown, CLAY/ELASTIC SILT, moist, no stain, no odor								H	H	H
							Increasing silt w depth								H M	M M	H M
5	0.0	7-4 6-2	5 X		5	ML	Med soft, yellow brown, SILT w fine sand, moist, no stain, no odor					50	50				
		40/60	9 X		7.5	SM	Med dense, yellow brown, silty fine SAND, no odor, moist, no stain					80	20				*
10		9-3			10.5	CL/MH	Med soft, brown, lean CLAY w silt, moist no stain, no odor								M	M	M
	0.0	50/60	12 X														
							Increasing silt								L	L	L
15																	
							EOB 15'										
							backfilled w hydrated bentonite chips and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DPO 381

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

TEST BORING REPORT

HALEY ALDRICH

BORING NO. DP0382

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	TN/6/25/15
DRILLER	Steve Aravsa	**DATE FINISHED**	

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☒ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ ☒ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☐ Automatic

Drilling Mud

- ☐ Bentonite
- ☐ Polymer
- ☒ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in. PID	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1	0.5		0.5		6 inches concrete.										
	0.0		X		1	SP	Med dense, yellow brown, SAND, no odor, moist, no stain.										
			1.5			CH/MH	stiff, dark brown, clay/silt no odor, moist, no stain								H	M-H	H
		54/60					increasing silt w depth, carbonate veins								M	M	M
5	0.0	8.28 G-2	0.5		4.5	ML	Med stiff, brown, silt, no odor, moist, no stain,					15	85		L	L	L
		46/60			7.5	SM	Med dense, yellow brown, Silty fine SAND,					10	90	20			
			0.9			SC/SM	@ 9 siltstone ½ thick, increased clay 9-9.5										
10		G-3			10.5	CL/MH	Med stiff, brown, lean clay, no odor, moist, no stain.										
	0.0	47/60	1.2		13	ML	Med soft, brown, SILT, with clay, moist, no stain, no odor										
					14	ML/SM	med stiff, yellow brown, sandy SILT, no odor, moist, no stain.					40	60				
15																	
							EOB 15 ft.										
							backfilled w/ hydrated bentonite chips and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0382

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

TEST BORING REPORT

HALEY ALDRICH

BORING NO. DP0383

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	6/25/15
DRILLER	Steve Arallsa	**DATE FINISHED**	6/25/15

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		140	
Hammer Fall (in.)		30	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☒ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1	0.5-1		0.5		6 inches concrete										
					1.25	SM	Med dense, yellow brown, SILTY fine SAND, no odor, moist, no stain				25	35	40				
		54/60				CH/MH	Stiff, brown, CLAY/SILT, no odor, moist no stain. carbonate vein deposits.								H	H	H
			1.5-3				becomes med stiff.								M	M	M
					4.5												
5		G-2	5-6.5			ML	Med soft, brown, SILT, moist, no stain, no odor.					25	75				
		46/60			7.5	SM	Med dense, yellow brown, silty fine SAND no odor, moist, no stain										
10		G-3	10.5-12		10.5	CL/MH	Med stiff, brown, Elastic SILT/lean clay no stain, no odor, moist					10	90				
		52/60			13.5	ML/CL	Med stiff, brown SILT w/ clay, moist, cohesive, no stain, no odor.										
15							EOB 15' bgs. backfilled w/ hydrated bentonite chips and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0383

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

TEST BORING REPORT

HALEY ALDRICH

BORING NO. DP0384

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	H&A FILE NO.	32594-455
LOCATION	Canoga Park, CA	PROJECT MGR.	Thomas Tatnall
CLIENT	UTC Technologies	FIELD REP.	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	DATE STARTED	6/24/15
DRILLER	Steve Arakel	DATE FINISHED	

Elevation ft. Datum Boring Location

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		140	
Hammer Fall (in.)		30	

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☐ Winch; ☒ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1	0.5		1.5		6 inches concrete.										
			1.5		1.25	SP/SM	Med dense, yellow brown, sand, moist, no stain, no odor										
	0.0	47/66				CH/MH	Stiff, dark brown, fat CLAY/ ELASTIC SILT moist, no stain, no odor										
					4	CL	Med stiff, brown clay with SILT, no odor moist, no stain.					10	90				
5	0.0	G-2	5		5	SM	Med dense, yellow brown, silty fine SAND no odor, moist, no stain.					70	30				
		45/60					Same as above, increased sand				10	70	20				
						SM/ML	increasing SILT					50	50				
10	0.0	15:47 G-3	10		10	ML	Med soft, brown, SILT w/ clay, no oder. moist, no stain.							L	N	L	
		47/60			12	CL/MH	Med soft, brown CLAY/elastic SILT, moist, no stain, no odor							L	L	L	
			14														
15		15:58					EOB 15' Backfilled w/ Bentonite chips and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.)
Rock Cored (Linear ft.)
Number of Samples

BORING NO. DP0384

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP0385

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	6/24/15
DRILLER	Steve Arausa	**DATE FINISHED**	

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

- ☐ Truck ☐ Tripod
- ☐ ATV ☒ Geoprobe
- ☒ ~~Track~~ ☐ Air Track
- ☐ Skid ☐ _____
- ☐ Cat-Head
- ☐ Winch
- ☐ Roller Bit
- ☒ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☐ Automatic

Drilling Mud

- ☐ Bentonite
- ☐ Polymer
- ☒ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0							6 inches cracked										
	0.0 PID	G-1	0.5		0.5	SP/SM	Med dense, yellowbrown, fine SAND, no odor				10	80	10				
	0.0		1.5		1.5	CH/MH	Stiff, dark brown, CLAY/elastic SILT, no stain moist, carbonate vein deposits.								H	H	H
							becomes brown, increasing silt								M	L	M
5	0.0	14:57 G-2	5		5	ML	Soft, brown, SILT with clay and fine sand.					20	70				
		42/60			7.5	SM	Med dense, yellowbrown silty fine SAND, no odor, moist, no stain.					55	45				
10	0.0	G-3	10		10	ML/CL	Med soft, brown silty clay/clayey silt,								L	L-ML	
		52/60			12	CL	same as above, decrease silt, carbonate vein deposits								L	L	L
			14														
15		15:11															
							EOB 15'										
							Backfilled w/ hydrated bentonite chips and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0385

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

TEST BORING REPORT

HALEY ALDRICH

BORING NO. DPO386

Page 1 of

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	~~6/24/15~~
DRILLER	Steve Ara USA	**DATE FINISHED**	

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☒ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☐ Automatic

Drilling Mud

- ☐ Bentonite
- ☐ Polymer
- ☒ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in. / PID	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1	~~0005~~		0.5		6" concrete										
			~~0015~~		1.5	SP/SM	Med dense, yellow brown, fine SAND w/ silt, moist, no stain, no odor.				10	80	10				
	0.0					MH/CH	Stiff, dark brown, Clay/elastic SILT moist, no stain, no odor						100		H	H	H
					3.5												
			~~005~~		4	CL/ML	Med stiff, brown, lean clay w/ SILT moist, no stain no odor										
5	0.0	G-2			5												
						SM	Med dense, yellow brown, SILTY fine SAND, no odor, moist, no stain					65	35				
					8	ML	Med soft, yellow brown, SILT w/ fine sand and clay, no odor, moist, no stain					25	75				
10	0.0	G-3	~~010~~				* becomes brown										
		55/60			12	CL/MH	Med soft, brown, lean CLAY, elastic SILT stain, no odor, moist								L	M	L
	0.0		~~014~~														
15							EOB 15' backfilled w/ hydrated bentonite chips and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DPO 386

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP0387

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PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	6/24/15
DRILLER	Steve Arausa	**DATE FINISHED**	

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☒ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ _____ ☒ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☐ Automatic

Drilling Mud

- ☐ Bentonite
- ☐ Polymer
- ☒ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1	0.5		0.5	SP/SM	6" concrete Med dense, brown, fine sand, moist, no stain no odor.										
		50/60	1.5		1.5	MH/CH	Dark brown, stiff, elastic silt/fat clay, no odor, moist										
					4.5												
5		G-2	5			ML/SM	Med dense, yellow brown, silty sand/sandy silt odor, moist, no stain					40	60				
		42/60									10	75	15				
					10.5												
10		G-3				ML	Med soft, brown, silt w/ sand, moist, no stain, no odor.					10	90				
		55/60			11.5	MH/CL	Med stiff, brown silt w/ clay no odor, moist, no stain.					25	75				
			14														
15							EOB 15'										
							backfilled w/ hydrated bentonite chips, and patched										
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0387

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DPO 388

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	~~TR~~ 6/25/15
DRILLER	Steve Arauza	**DATE FINISHED**	

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)	—	~~140~~	
Hammer Fall (in.)	—	~~30~~	

Rig Make & Model

☐ Truck	☐ Tripod	☐ Cat-Head	☐ Roller Bit
☐ ATV	☒ Geoprobe	☐ Winch	☒ Cutting Head
☒ Track	☐ Air Track		
☐ Skid	☐		

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	PID																
		G-1	OC1		0.5		6 inches concrete										
	3.5	54/60	OC2			MH/CH	Stiff, dark brown to black, CLAY, odor, moist, @ 1.5 ft, 2 inch fine SAND, stain extends to approx 3 ft.					10	90				
							@ 4' becomes Med Stiff w/ SILT										
5	0.1	G-2	5.5		5	ML	Med stiff, brown, SILT w/ clay & fine sand, no odor, moist, no stain.					40	60	L	L-M	L	
	0.0	7/9/60	7		7.25												
	0.0		8.5			CL	Med stiff, brown, CLAY w/ SILT, no odor, moist, no stain					10	90	L	L	L	
10							EOB 15 ft bgs										
							backfilled w/ hydrated bentonite chips. and patched										
15																	
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O	Open End Rod
T	Thin Wall Tube
U	Undisturbed Sample
S	Split Spoon Sample
G	Geoprobe

Well Diagram

Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DPO388

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP0389

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	7/6/2015
DRILLER	Steve Arauza	**DATE FINISHED**	7/6/2015

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)	—	~~140~~	
Hammer Fall (in.)	—	~~30~~	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☒ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ _____ ☑ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☑ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0	P/D	G-1	1		0.5		concrete 6 inches										
	3/90					CH/MH	Dark brown to black, stiff, clay, strong odor. 3 inch sand layer fine								H	H	H
	25	/60	2														
	0.3				3.5	CL	Med stiff, dark brown, clay, odor, moist,									M	M	M
5		G-2	5.5		5	ML/CL	Med soft, brown, silty clay/clay w/silt, moist, slight odor, no stain											
	0.4				6.5													
	0.3	/60	7			SM/ML	Med dense, brown, silty fine SAND/sandy SILT moist, no stain, slight odor.											
	0.3		8.5		7.75	CL	med stiff, brown, lean clay, moist, no stain, slight odor											
10							E.O.B. 10 ft bgs											
							backfilled w/ hydrated bentonite chips and patched											
15																		
20																		
25																		
30																		

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0389

Field Tests Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Meduim H - High V - Very High

***NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.**

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP0390

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	H&A FILE NO.	32594-455
LOCATION	Canoga Park, CA	PROJECT MGR.	Thomas Tatnall
CLIENT	UTC Technologies	FIELD REP.	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	DATE STARTED	Th/6/25/15
DRILLER	Steve Aravsa	DATE FINISHED	

Elevation ft. | Datum | Boring Location

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model: ☐ Truck ☐ Tripod ☐ Cat-Head; ☐ ATV ☒ Geoprobe ☐ Winch; ☒ Track ☐ Air Track ☐ Roller Bit; ☐ Skid ☐ ____ ☒ Cutting Head

Hammer Type: ☐ Safety ☐ Doughnut ☐ Automatic

Drilling Mud: ☐ Bentonite ☐ Polymer ☒ None

Casing Advance: Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in. PID	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1	0.5		0.5		6 inches Concrete										
	1.0		~~0.5~~		0.75	CL/ML	3 inches, stiff, dark brown, clay, moist, odor, no stain										
			2		1.25	SP											
	0.3		~~2~~			CH/MH	Med dense, yellow brown, fine sand, no odor, moist, no stain										
							Stiff, dark brown, fat clay, odor, moist no stain.								H	H	H
					4												
5		G-2	5.5		5	CL ML	Med stiff, brown, clay w silt, moist, no stain, slight odor					25	75		M	M	M
	0.1		~~5.5~~		6		Med stiff, brown, silt w sand, slight odor, moist, no stain					40	60			N	
			7			SM/ML	Med dense, yellow brown, silty fine SAND / silty sand				10	65	25				
	0.0		~~7~~				no odor, moist, no stain										
			8.5		8	CL	Stiff, brown, lean clay w silt, no odor, moist, no stain					5	95		M	M	M
	0.0		~~8.5~~														
10							EOB 10 ft bgs.										
							backfilled w hydrated bentonite chips										
15																	
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon Sample
G Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (Linear ft.) ____
Rock Cored (Linear ft.) ____
Number of Samples ____

BORING NO. DP0390

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

TEST BORING REPORT

BORING NO. DP0391

Page 1 of 1

PROJECT	Additional Soil Sampling - SPLP	**H&A FILE NO.**	32594-455
LOCATION	Canoga Park, CA	**PROJECT MGR.**	Thomas Tatnall
CLIENT	UTC Technologies	**FIELD REP.**	K. Hoggan/D. Garcia
CONTRACTOR	Cascade Drilling	**DATE STARTED**	~~TH~~ 6/25/15
DRILLER	Steve Aravsa	**DATE FINISHED**	

Elevation ft. **Datum** **Boring Location**

Item	Casing	Sampler	Core Barrel
Type		S	
Inside Diameter (in.)		1 3/8	
Hammer Weight (lb.)		~~140~~	
Hammer Fall (in.)		~~30~~	

Rig Make & Model

- ☐ Truck ☐ Tripod ☐ Cat-Head
- ☐ ATV ☒ Geoprobe ☐ Winch
- ☒ Track ☐ Air Track ☐ Roller Bit
- ☐ Skid ☐ ☒ Cutting Head

Hammer Type

- ☐ Safety
- ☐ Doughnut
- ☐ Automatic

Drilling Mud

- ☐ Bentonite
- ☐ Polymer
- ☒ None

Casing Advance — Type Method Depth

Drilling Notes:

Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	Well Diagram	Stratum Change (ft.)	USCS Symbol	Visual-Manual Identification & Description (density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*, structure, odor, moisture, optional descriptions, geologic interpretation)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		G-1	~~0.5~~		0.5		6 inch concrete.										
					1	MH/CL	stiff, brown, dense, no color/staining										
			~~0.5~~				@ 1ft ~ 3 inch sand										
						MH/CL	Stiff dark brown, elastic silt/lean clay moist, slight odor.										
			~~1.5~~														
							increasing silt w depth.										
					4.5	ML	Med soft, brown, silt with clay + sand, moist, no stain, no odor										
5		G-2			6	MY/SM	Med dense, brown, silt, fine SAND/sandy silt moist, no odor, no stain.										
			~~10.5~~														
					8	CL	Med stiff, brown, lean clay w silt, no odor, no stain, moist									L	L L
10																	
							EOB 10 ft bgs.										
							backfilled w hydrated bentonite chips.										
15																	
20																	
25																	
30																	

PROFESSIONAL GEOLOGIST
KELLY C. HOGGAN
No. 9026
STATE OF CALIFORNIA

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth in feet to: Bottom of Casing	Bottom of Hole	Water

Sample ID

- O Open End Rod
- T Thin Wall Tube
- U Undisturbed Sample
- S Split Spoon Sample
- G Geoprobe

Well Diagram

- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary

Overburden (Linear ft.) _____
Rock Cored (Linear ft.) _____
Number of Samples _____

BORING NO. DP0391

Field Tests

Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Meduim H - High V - Very High

*NOTE: Maximum Particle Size is determined by direct observation within the limitations of sampler size.

NOTE: Soil identifications based on visual-manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

ATTACHMENT B

Laboratory Reports

Northern California ACCUTEST LABORATORIES

07/15/15

Technical Report for

United Technology Corporation

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

32594-4555

Accutest Job Number: C40475

Sampling Date: 06/24/15

Report to:

3187 Red Hill Ave,
#155
Costa Mesa, CA 92626
TTatnall@haleyaldrich.com; KHoggan@haleyaldrich.com;
MSatanek@haleyaldrich.com; Abroughton@haleyaldrich.com
ATTN: Tom Tatnall

Total number of pages in report: **157**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

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Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C40475

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-4555

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40475-1	06/24/15	10:10		06/25/15	SO	Soil	DP0374-SS-005-01
C40475-1L	06/24/15	10:10		06/25/15	SO	Soil	DP0374-SS-005-01
C40475-2	06/24/15	10:12		06/25/15	SO	Soil	DP0374-SS-009-01
C40475-2L	06/24/15	10:12		06/25/15	SO	Soil	DP0374-SS-009-01
C40475-3	06/24/15	10:25		06/25/15	SO	Soil	DP0374-SS-012-01
C40475-3L	06/24/15	10:25		06/25/15	SO	Soil	DP0374-SS-012-01
C40475-5	06/24/15	10:35		06/25/15	SO	Soil	DP0373-SS-005-01
C40475-5L	06/24/15	10:35		06/25/15	SO	Soil	DP0373-SS-005-01
C40475-6	06/24/15	10:45		06/25/15	SO	Soil	DP0373-SS-009-01
C40475-6L	06/24/15	10:45		06/25/15	SO	Soil	DP0373-SS-009-01
C40475-7	06/24/15	10:55		06/25/15	SO	Soil	DP0373-SS-012-01
C40475-7L	06/24/15	10:55		06/25/15	SO	Soil	DP0373-SS-012-01
C40475-8	06/24/15	10:58		06/25/15	SO	Soil	DP0373-SS-014-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

United Technology Corporation

Job No: C40475

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-4555

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40475-8L	06/24/15	10:58		06/25/15	SO	Soil	DP0373-SS-014-01
C40475-9	06/24/15	11:35		06/25/15	SO	Soil	DP0372-SS-005-01
C40475-9L	06/24/15	11:35		06/25/15	SO	Soil	DP0372-SS-005-01
C40475-10	06/24/15	11:38		06/25/15	SO	Soil	DP0372-SS-009-01
C40475-10L	06/24/15	11:38		06/25/15	SO	Soil	DP0372-SS-009-01
C40475-11	06/24/15	11:55		06/25/15	SO	Soil	DP0372-SS-012-01
C40475-11L	06/24/15	11:55		06/25/15	SO	Soil	DP0372-SS-012-01
C40475-12	06/24/15	11:58		06/25/15	SO	Soil	DP0372-SS-014-01
C40475-12L	06/24/15	11:58		06/25/15	SO	Soil	DP0372-SS-014-01
C40475-13	06/24/15	14:15		06/25/15	SO	Soil	DP0386-SS-0005-01
C40475-13L	06/24/15	14:15		06/25/15	SO	Soil	DP0386-SS-0005-01
C40475-14	06/24/15	14:18		06/25/15	SO	Soil	DP0386-SS-0015-01
C40475-14L	06/24/15	14:18		06/25/15	SO	Soil	DP0386-SS-0015-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Accutest Laboratories

Sample Summary
(continued)

United Technology Corporation

Job No: C40475

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-4555

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40475-15	06/24/15	14:20		06/25/15	SO	Soil	DP0386-SS-005-01
C40475-15L	06/24/15	14:20		06/25/15	SO	Soil	DP0386-SS-005-01
C40475-16	06/24/15	14:22		06/25/15	SO	Soil	DP0386-SS-010-01
C40475-16L	06/24/15	14:22		06/25/15	SO	Soil	DP0386-SS-010-01
C40475-17	06/24/15	14:24		06/25/15	SO	Soil	DP0386-SS-014-01
C40475-17L	06/24/15	14:24		06/25/15	SO	Soil	DP0386-SS-014-01
C40475-18	06/24/15	14:58		06/25/15	SO	Soil	DP0385-SS-0005-01
C40475-18L	06/24/15	14:58		06/25/15	SO	Soil	DP0385-SS-0005-01
C40475-19	06/24/15	15:00		06/25/15	SO	Soil	DP0385-SS-0015-01
C40475-19L	06/24/15	15:00		06/25/15	SO	Soil	3DP0385-SS-0015-01
C40475-20	06/24/15	15:01		06/25/15	SO	Soil	DP0385-SS-005-01
C40475-20L	06/24/15	15:01		06/25/15	SO	Soil	DP0385-SS-005-01
C40475-21	06/24/15	15:02		06/25/15	SO	Soil	DP0385-SS-010-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

United Technology Corporation

Job No: C40475

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-4555

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40475-21L	06/24/15	15:02		06/25/15	SO	Soil	DP0385-SS-010-01
C40475-23	06/24/15	15:47		06/25/15	SO	Soil	DP0384-SS-0005-01
C40475-23L	06/24/15	15:47		06/25/15	SO	Soil	DP0384-SS-0005-01
C40475-24	06/24/15	15:50		06/25/15	SO	Soil	DP0384-SS-0015-01
C40475-24L	06/24/15	15:50		06/25/15	SO	Soil	DP0384-SS-0015-01
C40475-25	06/24/15	15:52		06/25/15	SO	Soil	DP0384-SS-005-01
C40475-25L	06/24/15	15:52		06/25/15	SO	Soil	DP0384-SS-005-01
C40475-26	06/24/15	15:54		06/25/15	SO	Soil	DP0384-SS-010-01
C40475-26L	06/24/15	15:54		06/25/15	SO	Soil	DP0384-SS-010-01
C40475-27	06/24/15	15:56		06/25/15	SO	Soil	DP0384-SS-014-01
C40475-27L	06/24/15	15:56		06/25/15	SO	Soil	DP0384-SS-014-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C40475
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/24/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40475-1	**DP0374-SS-005-01**					
Tetrachloroethylene		81.4	4.8	0.57	ug/kg	SW846 8260B
Trichloroethylene		4.7 J	4.8	0.48	ug/kg	SW846 8260B
C40475-1L	**DP0374-SS-005-01**					
No hits reported in this sample.						
C40475-2	**DP0374-SS-009-01**					
Tetrachloroethylene		66.7	5.0	0.60	ug/kg	SW846 8260B
Trichloroethylene		3.5 J	5.0	0.50	ug/kg	SW846 8260B
C40475-2L	**DP0374-SS-009-01**					
No hits reported in this sample.						
C40475-3	**DP0374-SS-012-01**					
Tetrachloroethylene		43.9	4.6	0.55	ug/kg	SW846 8260B
Trichloroethylene		2.5 J	4.6	0.46	ug/kg	SW846 8260B
C40475-3L	**DP0374-SS-012-01**					
No hits reported in this sample.						
C40475-5	**DP0373-SS-005-01**					
Tetrachloroethylene		22.9	6.2	0.75	ug/kg	SW846 8260B
Trichloroethylene		1.6 J	6.2	0.62	ug/kg	SW846 8260B
C40475-5L	**DP0373-SS-005-01**					
No hits reported in this sample.						
C40475-6	**DP0373-SS-009-01**					
Tetrachloroethylene		94.9	4.6	0.55	ug/kg	SW846 8260B
Trichloroethylene		6.2	4.6	0.46	ug/kg	SW846 8260B
C40475-6L	**DP0373-SS-009-01**					
Tetrachloroethylene [a]		0.00071 J	0.0010	0.00033	mg/l	SW846 8260B

Summary of Hits

Job Number: C40475
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/24/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40475-7	**DP0373-SS-012-01**					
Tetrachloroethylene		122	4.4	0.53	ug/kg	SW846 8260B
Trichloroethylene		8.6	4.4	0.44	ug/kg	SW846 8260B
C40475-7L	**DP0373-SS-012-01**					
No hits reported in this sample.						
C40475-8	**DP0373-SS-014-01**					
Tetrachloroethylene		91.1	4.5	0.54	ug/kg	SW846 8260B
Trichloroethylene		6.5	4.5	0.45	ug/kg	SW846 8260B
C40475-8L	**DP0373-SS-014-01**					
Tetrachloroethylene [a]		0.0011	0.0010	0.00033	mg/l	SW846 8260B
C40475-9	**DP0372-SS-005-01**					
Tetrachloroethylene		569	230	27	ug/kg	SW846 8260B
Trichloroethylene		13.0	4.9	0.49	ug/kg	SW846 8260B
C40475-9L	**DP0372-SS-005-01**					
Tetrachloroethylene [a]		0.0094	0.0010	0.00033	mg/l	SW846 8260B
Trichloroethylene [a]		0.00076 J	0.0010	0.00022	mg/l	SW846 8260B
C40475-10	**DP0372-SS-009-01**					
Tetrachloroethylene		635	220	26	ug/kg	SW846 8260B
Trichloroethylene		25.5	4.2	0.42	ug/kg	SW846 8260B
C40475-10L	**DP0372-SS-009-01**					
Tetrachloroethylene [a]		0.0121	0.0010	0.00033	mg/l	SW846 8260B
C40475-11	**DP0372-SS-012-01**					
Tetrachloroethylene		119	95	11	ug/kg	SW846 8260B
Trichloroethylene		13.6	4.4	0.44	ug/kg	SW846 8260B
C40475-11L	**DP0372-SS-012-01**					
Tetrachloroethylene [a]		0.00058 J	0.0010	0.00033	mg/l	SW846 8260B

Summary of Hits

Job Number: C40475
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/24/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40475-12	**DP0372-SS-014-01**					
Tetrachloroethylene		274	220	26	ug/kg	SW846 8260B
Trichloroethylene		38.5	4.2	0.42	ug/kg	SW846 8260B
C40475-12L	**DP0372-SS-014-01**					
No hits reported in this sample.						
C40475-13	**DP0386-SS-0005-01**					
No hits reported in this sample.						
C40475-13L	**DP0386-SS-0005-01**					
Acetone [a]		0.0365	0.025	0.010	mg/l	SW846 8260B
C40475-14	**DP0386-SS-0015-01**					
No hits reported in this sample.						
C40475-14L	**DP0386-SS-0015-01**					
Acetone [a]		0.0326	0.025	0.010	mg/l	SW846 8260B
C40475-15	**DP0386-SS-005-01**					
No hits reported in this sample.						
C40475-15L	**DP0386-SS-005-01**					
Acetone [a]		0.0111 J	0.025	0.010	mg/l	SW846 8260B
C40475-16	**DP0386-SS-010-01**					
No hits reported in this sample.						
C40475-16L	**DP0386-SS-010-01**					
Acetone [a]		0.0227 J	0.025	0.010	mg/l	SW846 8260B
C40475-17	**DP0386-SS-014-01**					
No hits reported in this sample.						

Summary of Hits

Job Number: C40475
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/24/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40475-17L	**DP0386-SS-014-01**					
Acetone [a]		0.0851	0.025	0.010	mg/l	SW846 8260B
C40475-18	**DP0385-SS-0005-01**					
No hits reported in this sample.						
C40475-18L	**DP0385-SS-0005-01**					
Acetone [a]		0.0308	0.025	0.010	mg/l	SW846 8260B
C40475-19	**DP0385-SS-0015-01**					
No hits reported in this sample.						
C40475-19L	**3DP0385-SS-0015-01**					
Acetone [a]		0.0336	0.025	0.010	mg/l	SW846 8260B
C40475-20	**DP0385-SS-005-01**					
No hits reported in this sample.						
C40475-20L	**DP0385-SS-005-01**					
Acetone [a]		0.0337	0.025	0.010	mg/l	SW846 8260B
C40475-21	**DP0385-SS-010-01**					
No hits reported in this sample.						
C40475-21L	**DP0385-SS-010-01**					
Acetone [a]		0.0505	0.025	0.010	mg/l	SW846 8260B
C40475-23	**DP0384-SS-0005-01**					
No hits reported in this sample.						
C40475-23L	**DP0384-SS-0005-01**					
Acetone [a]		0.0351	0.025	0.010	mg/l	SW846 8260B

Summary of Hits

Job Number: C40475
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/24/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40475-24	**DP0384-SS-0015-01**					
No hits reported in this sample.						
C40475-24L	**DP0384-SS-0015-01**					
Acetone [a]		0.0375	0.025	0.010	mg/l	SW846 8260B
C40475-25	**DP0384-SS-005-01**					
No hits reported in this sample.						
C40475-25L	**DP0384-SS-005-01**					
Acetone [a]		0.0254	0.025	0.010	mg/l	SW846 8260B
C40475-26	**DP0384-SS-010-01**					
No hits reported in this sample.						
C40475-26L	**DP0384-SS-010-01**					
Acetone [a]		0.0408	0.025	0.010	mg/l	SW846 8260B
C40475-27	**DP0384-SS-014-01**					
No hits reported in this sample.						
C40475-27L	**DP0384-SS-014-01**					
Acetone [a]		0.0150 J	0.025	0.010	mg/l	SW846 8260B

(a) Analysis performed at Accutest Laboratories, Orlando FL.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	DP0374-SS-005-01		
Lab Sample ID:	C40475-1	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53977.D	1	06/25/15	XB	n/a	n/a	VM1630
Run #2							

	Initial Weight
Run #1	5.23 g
Run #2	

VOA TCE and PCE

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	81.4	4.8	0.57	ug/kg	
79-01-6	Trichloroethylene	4.7	4.8	0.48	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		75-125%
2037-26-5	Toluene-D8	98%		80-121%
460-00-4	4-Bromofluorobenzene	103%		71-126%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0374-SS-005-01		
Lab Sample ID:	C40475-1	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042564.D	1	06/28/15	RV	06/26/15	OP12502	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	6.5	ug/kg	
11104-28-2	Aroclor 1221	ND	32	16	ug/kg	
11141-16-5	Aroclor 1232	ND	32	16	ug/kg	
53469-21-9	Aroclor 1242	ND	32	16	ug/kg	
12672-29-6	Aroclor 1248	ND	32	16	ug/kg	
11097-69-1	Aroclor 1254	ND	32	16	ug/kg	
11096-82-5	Aroclor 1260	ND	32	6.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		44-135%
877-09-8	Tetrachloro-m-xylene	72%		44-135%
2051-24-3	Decachlorobiphenyl	67%		31-163%
2051-24-3	Decachlorobiphenyl	51%		31-163%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0374-SS-005-01		
Lab Sample ID:	C40475-1L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82619.D	1	07/09/15	AFL	07/07/15	F:OP56722	F:VM3498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND		0.0010	0.00033	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) All results reported on a wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0374-SS-009-01		
Lab Sample ID:	C40475-2	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	77.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53978.D	1	06/25/15	XB	n/a	n/a	VM1630
Run #2							

	Initial Weight
Run #1	5.02 g
Run #2	

VOA TCE and PCE

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	66.7	5.0	0.60	ug/kg	
79-01-6	Trichloroethylene	3.5	5.0	0.50	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		75-125%
2037-26-5	Toluene-D8	100%		80-121%
460-00-4	4-Bromofluorobenzene	104%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0374-SS-009-01		
Lab Sample ID:	C40475-2	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	77.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042565.D	1	06/28/15	RV	06/26/15	OP12502	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	6.5	ug/kg	
11104-28-2	Aroclor 1221	ND	32	16	ug/kg	
11141-16-5	Aroclor 1232	ND	32	16	ug/kg	
53469-21-9	Aroclor 1242	ND	32	16	ug/kg	
12672-29-6	Aroclor 1248	ND	32	16	ug/kg	
11097-69-1	Aroclor 1254	ND	32	16	ug/kg	
11096-82-5	Aroclor 1260	ND	32	6.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		44-135%
877-09-8	Tetrachloro-m-xylene	89%		44-135%
2051-24-3	Decachlorobiphenyl	67%		31-163%
2051-24-3	Decachlorobiphenyl	51%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0374-SS-009-01		
Lab Sample ID:	C40475-2	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	77.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	22.8		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0374-SS-009-01		
Lab Sample ID:	C40475-2L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	77.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82621.D	1	07/09/15	AFL	07/07/15	F:OP56722	F:VM3498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND		0.0010	0.00033	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0374-SS-012-01		
Lab Sample ID:	C40475-3	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	78.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53979.D	1	06/25/15	XB	n/a	n/a	VM1630
Run #2							

	Initial Weight
Run #1	5.48 g
Run #2	

VOA TCE and PCE

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	43.9	4.6	0.55	ug/kg	
79-01-6	Trichloroethylene	2.5	4.6	0.46	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		75-125%
2037-26-5	Toluene-D8	100%		80-121%
460-00-4	4-Bromofluorobenzene	106%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0374-SS-012-01		
Lab Sample ID:	C40475-3	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	78.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042569.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		44-135%
877-09-8	Tetrachloro-m-xylene	63%		44-135%
2051-24-3	Decachlorobiphenyl	70%		31-163%
2051-24-3	Decachlorobiphenyl	57%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0374-SS-012-01		
Lab Sample ID:	C40475-3	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	78.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	21.3		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0374-SS-012-01		
Lab Sample ID:	C40475-3L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	78.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82645.D	1	07/09/15	AFL	07/07/15	F:OP56722	F:VM3500
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND		0.0010	0.00033	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0373-SS-005-01		
Lab Sample ID:	C40475-5	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	77.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53980.D	1	06/25/15	XB	n/a	n/a	VM1630
Run #2							

	Initial Weight
Run #1	4.01 g
Run #2	

VOA TCE and PCE

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	22.9	6.2	0.75	ug/kg	
79-01-6	Trichloroethylene	1.6	6.2	0.62	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	119%		75-125%
2037-26-5	Toluene-D8	100%		80-121%
460-00-4	4-Bromofluorobenzene	108%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0373-SS-005-01		
Lab Sample ID:	C40475-5	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	77.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042570.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		44-135%
877-09-8	Tetrachloro-m-xylene	70%		44-135%
2051-24-3	Decachlorobiphenyl	73%		31-163%
2051-24-3	Decachlorobiphenyl	57%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0373-SS-005-01		
Lab Sample ID:	C40475-5	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	77.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	22.6		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0373-SS-005-01		
Lab Sample ID:	C40475-5L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	77.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82623.D	1	07/09/15	AFL	07/07/15	F:OP56722	F:VM3498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND		0.0010	0.00033	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0373-SS-009-01		
Lab Sample ID:	C40475-6	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53981.D	1	06/25/15	XB	n/a	n/a	VM1630
Run #2							

	Initial Weight
Run #1	5.45 g
Run #2	

VOA TCE and PCE

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	94.9	4.6	0.55	ug/kg	
79-01-6	Trichloroethylene	6.2	4.6	0.46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		75-125%
2037-26-5	Toluene-D8	100%		80-121%
460-00-4	4-Bromofluorobenzene	109%		71-126%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0373-SS-009-01		
Lab Sample ID:	C40475-6	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042571.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		44-135%
877-09-8	Tetrachloro-m-xylene	67%		44-135%
2051-24-3	Decachlorobiphenyl	74%		31-163%
2051-24-3	Decachlorobiphenyl	58%		31-163%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0373-SS-009-01		
Lab Sample ID:	C40475-6L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82624.D	1	07/09/15	AFL	07/07/15	F:OP56722	F:VM3498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	0.00071		0.0010	0.00033	mg/l	J
79-01-6	Trichloroethylene	ND		0.0010	0.00022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

(a) All results reported on a wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0373-SS-012-01		
Lab Sample ID:	C40475-7	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	75.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53982.D	1	06/25/15	XB	n/a	n/a	VM1630
Run #2							

	Initial Weight
Run #1	5.71 g
Run #2	

VOA TCE and PCE

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	122	4.4	0.53	ug/kg	
79-01-6	Trichloroethylene	8.6	4.4	0.44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	119%		75-125%
2037-26-5	Toluene-D8	101%		80-121%
460-00-4	4-Bromofluorobenzene	106%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: DP0373-SS-012-01
Lab Sample ID: C40475-7 **Date Sampled:** 06/24/15
Matrix: SO - Soil **Date Received:** 06/25/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 75.0 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042575.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		44-135%
877-09-8	Tetrachloro-m-xylene	73%		44-135%
2051-24-3	Decachlorobiphenyl	72%		31-163%
2051-24-3	Decachlorobiphenyl	56%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0373-SS-012-01		
Lab Sample ID:	C40475-7	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	75.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	25		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0373-SS-012-01		
Lab Sample ID:	C40475-7L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	75.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82625.D	1	07/09/15	AFL	07/07/15	F:OP56722	F:VM3498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND		0.0010	0.00033	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	106%		85-112%
460-00-4	4-Bromofluorobenzene	88%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0373-SS-014-01		
Lab Sample ID:	C40475-8	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42387.D	1	07/01/15	XB	n/a	n/a	VL1271
Run #2							

	Initial Weight
Run #1	5.58 g
Run #2	

VOA TCE and PCE

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	91.1	4.5	0.54	ug/kg	
79-01-6	Trichloroethylene	6.5	4.5	0.45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		75-125%
2037-26-5	Toluene-D8	95%		80-121%
460-00-4	4-Bromofluorobenzene	96%		71-126%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: DP0373-SS-014-01
Lab Sample ID: C40475-8 **Date Sampled:** 06/24/15
Matrix: SO - Soil **Date Received:** 06/25/15
Method: SW846 8082 SW846 3550B **Percent Solids:** n/a [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042776.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		44-135%
877-09-8	Tetrachloro-m-xylene	62%		44-135%
2051-24-3	Decachlorobiphenyl	75%		31-163%
2051-24-3	Decachlorobiphenyl	99%		31-163%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0373-SS-014-01		
Lab Sample ID:	C40475-8L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82626.D	1	07/09/15	AFL	07/07/15	F:OP56722	F:VM3498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	0.0011		0.0010	0.00033	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	90%		85-112%
460-00-4	4-Bromofluorobenzene	83%		83-118%

(a) All results reported on a wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0372-SS-005-01		
Lab Sample ID:	C40475-9	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	72.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53983.D	1	06/25/15	XB	n/a	n/a	VM1630
Run #2	L42380.D	1	07/01/15	XB	n/a	n/a	VL1271

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.14 g		
Run #2	5.55 g	5.0 ml	100 ul

VOA TCE and PCE

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	569 [b]	230	27	ug/kg	
79-01-6	Trichloroethylene	13.0	4.9	0.49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	124%	87%	75-125%
2037-26-5	Toluene-D8	103%	96%	80-121%
460-00-4	4-Bromofluorobenzene	107%	92%	71-126%

(a) All results reported on wet weight basis.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0372-SS-005-01		
Lab Sample ID:	C40475-9	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	72.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042576.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		44-135%
877-09-8	Tetrachloro-m-xylene	59%		44-135%
2051-24-3	Decachlorobiphenyl	60%		31-163%
2051-24-3	Decachlorobiphenyl	58%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0372-SS-005-01		
Lab Sample ID:	C40475-9	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	72.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	27.1		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0372-SS-005-01		
Lab Sample ID:	C40475-9L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	72.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82627.D	1	07/09/15	AFL	07/07/15	F:OP56722	F:VM3498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	0.0094		0.0010	0.00033	mg/l	
79-01-6	Trichloroethylene	0.00076		0.0010	0.00022	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		83-118%
17060-07-0	1,2-Dichloroethane-D4	109%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0372-SS-009-01		
Lab Sample ID:	C40475-10	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	74.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53984.D	1	06/25/15	XB	n/a	n/a	VM1630
Run #2	L42381.D	1	07/01/15	XB	n/a	n/a	VL1271

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.95 g		
Run #2	5.67 g	5.0 ml	100 ul

VOA TCE and PCE

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	635 [b]	220	26	ug/kg	
79-01-6	Trichloroethylene	25.5	4.2	0.42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%	88%	75-125%
2037-26-5	Toluene-D8	102%	96%	80-121%
460-00-4	4-Bromofluorobenzene	104%	94%	71-126%

(a) All results reported on wet weight basis.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0372-SS-009-01		
Lab Sample ID:	C40475-10	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	74.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042577.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		44-135%
877-09-8	Tetrachloro-m-xylene	65%		44-135%
2051-24-3	Decachlorobiphenyl	64%		31-163%
2051-24-3	Decachlorobiphenyl	55%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0372-SS-009-01		
Lab Sample ID:	C40475-10	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	74.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	25.8		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0372-SS-009-01		
Lab Sample ID:	C40475-10L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	74.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82628.D	1	07/09/15	AFL	07/07/15	F:OP56722	F:VM3498
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	0.0121		0.0010	0.00033	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DP0372-SS-012-01
Lab Sample ID: C40475-11 **Date Sampled:** 06/24/15
Matrix: SO - Soil **Date Received:** 06/25/15
Method: SW846 8260B **Percent Solids:** 76.4 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53985.D	1	06/25/15	XB	n/a	n/a	VM1630
Run #2	L42382.D	1	07/01/15	XB	n/a	n/a	VL1271

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.72 g		
Run #2	13.2 g	5.0 ml	100 ul

VOA TCE and PCE

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	119 [b]	95	11	ug/kg	
79-01-6	Trichloroethylene	13.6	4.4	0.44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%	87%	75-125%
2037-26-5	Toluene-D8	100%	95%	80-121%
460-00-4	4-Bromofluorobenzene	107%	92%	71-126%

(a) All results reported on wet weight basis.
(b) Result is from Run# 2

Report of Analysis

Client Sample ID:	DP0372-SS-012-01		
Lab Sample ID:	C40475-11	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	76.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042578.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		44-135%
877-09-8	Tetrachloro-m-xylene	57%		44-135%
2051-24-3	Decachlorobiphenyl	66%		31-163%
2051-24-3	Decachlorobiphenyl	58%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0372-SS-012-01		
Lab Sample ID:	C40475-11	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	76.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	23.6		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0372-SS-012-01		
Lab Sample ID:	C40475-11L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	76.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82629.D	1	07/09/15	AFL	07/07/15	F:OP56722	F:VM3498
Run #2 [c]	M82631.D	10	07/09/15	AFL	07/07/15	F:OP56722	F:VM3498

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	0.00058		0.0010	0.00033	mg/l	J
79-01-6	Trichloroethylene	ND		0.0010	0.00022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	89%	79-125%
2037-26-5	Toluene-D8	103%	98%	85-112%
460-00-4	4-Bromofluorobenzene	100%	88%	83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.
(c) Confirmation run. Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0372-SS-014-01		
Lab Sample ID:	C40475-12	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	88.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42406.D	1	07/02/15	XB	n/a	n/a	VL1272
Run #2	L42466.D	1	07/07/15	XB	n/a	n/a	VL1273

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.91 g		
Run #2	5.79 g	5.0 ml	100 ul

VOA TCE and PCE

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	274 [b]	220	26	ug/kg	
79-01-6	Trichloroethylene	38.5	4.2	0.42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	92%	75-125%
2037-26-5	Toluene-D8	94%	73% [c]	80-121%
460-00-4	4-Bromofluorobenzene	94%	99%	71-126%

(a) All results reported on wet weight basis.
(b) Result is from Run# 2
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0372-SS-014-01		
Lab Sample ID:	C40475-12	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	88.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042777.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		44-135%
877-09-8	Tetrachloro-m-xylene	73%		44-135%
2051-24-3	Decachlorobiphenyl	84%		31-163%
2051-24-3	Decachlorobiphenyl	115%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0372-SS-014-01		
Lab Sample ID:	C40475-12	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	88.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	11.9		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID: DP0372-SS-014-01
Lab Sample ID: C40475-12L
Matrix: SO - Soil
Method: SW846 8260B SW846 1311
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Date Sampled: 06/24/15
Date Received: 06/25/15
Percent Solids: 88.1 [a]

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82646.D	1	07/09/15	AFL	07/08/15	F:OP56750	F:VM3500
Run #2 [b]	M82657.D	10	07/10/15	AFL	07/08/15	F:OP56750	F:VM3500

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND		0.0010	0.00033	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	88%	96%	79-125%
2037-26-5	Toluene-D8	93%	100%	85-112%
460-00-4	4-Bromofluorobenzene	112%	101%	83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-0005-01		
Lab Sample ID:	C40475-13	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	77.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	L42383.D	1	07/01/15	XB	n/a	n/a	VL1271
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.83 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	41000	10000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		75-125%
2037-26-5	Toluene-D8	98%		80-121%
460-00-4	4-Bromofluorobenzene	93%		71-126%

(a) All results reported on wet weight basis.
(b) Dilution required due to high concentration of non-target compound(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-0005-01		
Lab Sample ID:	C40475-13	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	77.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042579.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		44-135%
877-09-8	Tetrachloro-m-xylene	49%		44-135%
2051-24-3	Decachlorobiphenyl	47%		31-163%
2051-24-3	Decachlorobiphenyl	50%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-0005-01		
Lab Sample ID:	C40475-13	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	77.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	22.3		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0386-SS-0005-01		
Lab Sample ID:	C40475-13L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82648.D	1	07/10/15	AFL	07/08/15	F:OP56750	F:VM3500
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0365		0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) All results reported on a wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-0015-01		
Lab Sample ID:	C40475-14	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	77.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M53987.D	1	06/25/15	XB	n/a	n/a	VM1630
Run #2							

	Initial Weight
Run #1	4.97 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		75-125%
2037-26-5	Toluene-D8	105%		80-121%
460-00-4	4-Bromofluorobenzene	104%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DP0386-SS-0015-01
Lab Sample ID: C40475-14 **Date Sampled:** 06/24/15
Matrix: SO - Soil **Date Received:** 06/25/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 77.3 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042580.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		44-135%
877-09-8	Tetrachloro-m-xylene	49%		44-135%
2051-24-3	Decachlorobiphenyl	57%		31-163%
2051-24-3	Decachlorobiphenyl	48%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-0015-01		
Lab Sample ID:	C40475-14	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	77.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	22.7		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0386-SS-0015-01		
Lab Sample ID:	C40475-14L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82649.D	1	07/10/15	AFL	07/08/15	F:OP56750	F:VM3500
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0326		0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	87%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	87%		83-118%

(a) All results reported on a wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-005-01		
Lab Sample ID:	C40475-15	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	88.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42386.D	1	07/01/15	XB	n/a	n/a	VL1271
Run #2							

	Initial Weight
Run #1	5.22 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	38	9.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		75-125%
2037-26-5	Toluene-D8	96%		80-121%
460-00-4	4-Bromofluorobenzene	97%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-005-01		
Lab Sample ID:	C40475-15	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	88.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042581.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		44-135%
877-09-8	Tetrachloro-m-xylene	53%		44-135%
2051-24-3	Decachlorobiphenyl	57%		31-163%
2051-24-3	Decachlorobiphenyl	55%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-005-01		
Lab Sample ID:	C40475-15	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	88.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	11.8		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0386-SS-005-01		
Lab Sample ID:	C40475-15L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	88.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82650.D	1	07/10/15	AFL	07/08/15	F:OP56750	F:VM3500
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0111		0.025	0.010	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		83-118%
17060-07-0	1,2-Dichloroethane-D4	92%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	106%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-010-01		
Lab Sample ID:	C40475-16	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	80.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42411.D	1	07/02/15	XB	n/a	n/a	VL1272
Run #2							

	Initial Weight
Run #1	4.61 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	43	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-125%
2037-26-5	Toluene-D8	93%		80-121%
460-00-4	4-Bromofluorobenzene	99%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-010-01		
Lab Sample ID:	C40475-16	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	80.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042778.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.5	ug/kg	
11104-28-2	Aroclor 1221	ND	33	16	ug/kg	
11141-16-5	Aroclor 1232	ND	33	16	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	16	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		44-135%
877-09-8	Tetrachloro-m-xylene	79%		44-135%
2051-24-3	Decachlorobiphenyl	82%		31-163%
2051-24-3	Decachlorobiphenyl	110%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-010-01		
Lab Sample ID:	C40475-16	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	80.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	19.9		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0386-SS-010-01		
Lab Sample ID:	C40475-16L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	80.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82651.D	1	07/10/15	AFL	07/08/15	F:OP56750	F:VM3500
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0227		0.025	0.010	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-014-01		
Lab Sample ID:	C40475-17	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	83.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42412.D	1	07/02/15	XB	n/a	n/a	VL1272
Run #2							

	Initial Weight
Run #1	5.84 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	34	8.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		75-125%
2037-26-5	Toluene-D8	95%		80-121%
460-00-4	4-Bromofluorobenzene	97%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DP0386-SS-014-01
Lab Sample ID: C40475-17 **Date Sampled:** 06/24/15
Matrix: SO - Soil **Date Received:** 06/25/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 83.2 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042779.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.5	ug/kg	
11104-28-2	Aroclor 1221	ND	33	16	ug/kg	
11141-16-5	Aroclor 1232	ND	33	16	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	16	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		44-135%
877-09-8	Tetrachloro-m-xylene	67%		44-135%
2051-24-3	Decachlorobiphenyl	81%		31-163%
2051-24-3	Decachlorobiphenyl	107%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0386-SS-014-01		
Lab Sample ID:	C40475-17	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	83.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	16.8		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID: DP0386-SS-014-01
Lab Sample ID: C40475-17L
Matrix: SO - Soil
Method: SW846 8260B SW846 1311
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Date Sampled: 06/24/15
Date Received: 06/25/15
Percent Solids: 83.2 [a]

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82678.D	1	07/10/15	AFL	07/08/15	F:OP56750	F:VM3502
Run #2 [c]	M82652.D	1	07/10/15	AFL	07/08/15	F:OP56750	F:VM3500

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0851		0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	118%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	113%	79-125%
2037-26-5	Toluene-D8	107%	119%	85-112%
460-00-4	4-Bromofluorobenzene	107%	113%	83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.
(c) Confirmation run Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0385-SS-0005-01		
Lab Sample ID:	C40475-18	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	91.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	L42468.D	1	07/07/15	XB	n/a	n/a	VL1273
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.68 g	5.0 ml	40.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6800	1700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		75-125%
2037-26-5	Toluene-D8	96%		80-121%
460-00-4	4-Bromofluorobenzene	100%		71-126%

(a) All results reported on wet weight basis.
(b) Dilution required due to high concentration of non-target compound(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DP0385-SS-0005-01
Lab Sample ID: C40475-18 **Date Sampled:** 06/24/15
Matrix: SO - Soil **Date Received:** 06/25/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 91.4 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042582.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	16	ug/kg	
11141-16-5	Aroclor 1232	ND	33	16	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	16	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		44-135%
877-09-8	Tetrachloro-m-xylene	56%		44-135%
2051-24-3	Decachlorobiphenyl	62%		31-163%
2051-24-3	Decachlorobiphenyl	52%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0385-SS-0005-01		
Lab Sample ID:	C40475-18	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	91.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	8.6		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0385-SS-0005-01		
Lab Sample ID:	C40475-18L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82653.D	1	07/10/15	AFL	07/08/15	F:OP56750	F:VM3500
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0308		0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	90%		79-125%
2037-26-5	Toluene-D8	95%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) All results reported on a wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0385-SS-0015-01		
Lab Sample ID:	C40475-19	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	85.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	L42405.D	1	07/02/15	XB	n/a	n/a	VL1272
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.76 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1700	430	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		75-125%
2037-26-5	Toluene-D8	95%		80-121%
460-00-4	4-Bromofluorobenzene	97%		71-126%

(a) All results reported on wet weight basis.
(b) Dilution required due to high concentration of non-target compound(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0385-SS-0015-01		
Lab Sample ID:	C40475-19	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	85.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042583.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		44-135%
877-09-8	Tetrachloro-m-xylene	72%		44-135%
2051-24-3	Decachlorobiphenyl	65%		31-163%
2051-24-3	Decachlorobiphenyl	54%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0385-SS-0015-01		
Lab Sample ID:	C40475-19	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	85.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	14.5		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	3DP0385-SS-0015-01		
Lab Sample ID:	C40475-19L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82654.D	1	07/10/15	AFL	07/08/15	F:OP56750	F:VM3500
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0336		0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) All results reported on a wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0385-SS-005-01		
Lab Sample ID:	C40475-20	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	76.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42407.D	1	07/02/15	XB	n/a	n/a	VL1272
Run #2							

	Initial Weight
Run #1	4.13 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	48	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		75-125%
2037-26-5	Toluene-D8	96%		80-121%
460-00-4	4-Bromofluorobenzene	95%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0385-SS-005-01		
Lab Sample ID:	C40475-20	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	76.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042584.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		44-135%
877-09-8	Tetrachloro-m-xylene	99%		44-135%
2051-24-3	Decachlorobiphenyl	72%		31-163%
2051-24-3	Decachlorobiphenyl	57%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0385-SS-005-01		
Lab Sample ID:	C40475-20	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	76.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	23.9		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0385-SS-005-01		
Lab Sample ID:	C40475-20L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	76.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82655.D	1	07/10/15	AFL	07/08/15	F:OP56750	F:VM3500
Run #2 [c]	M82679.D	1	07/10/15	AFL	07/08/15	F:OP56750	F:VM3502

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0337		0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	93%	79-125%
2037-26-5	Toluene-D8	122% [d]	121% [d]	85-112%
460-00-4	4-Bromofluorobenzene	101%	114%	83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.
(c) Confirmation run for surrogate recoveries. Analysis performed at Accutest Laboratories, Orlando FL.
(d) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0385-SS-010-01		
Lab Sample ID:	C40475-21	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	83.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42413.D	1	07/02/15	XB	n/a	n/a	VL1272
Run #2							

	Initial Weight
Run #1	5.24 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	38	9.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		75-125%
2037-26-5	Toluene-D8	95%		80-121%
460-00-4	4-Bromofluorobenzene	95%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: DP0385-SS-010-01
Lab Sample ID: C40475-21 **Date Sampled:** 06/24/15
Matrix: SO - Soil **Date Received:** 06/25/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 83.5 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042780.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		44-135%
877-09-8	Tetrachloro-m-xylene	76%		44-135%
2051-24-3	Decachlorobiphenyl	83%		31-163%
2051-24-3	Decachlorobiphenyl	110%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DP0385-SS-010-01		
Lab Sample ID:	C40475-21	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	83.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	16.5		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0385-SS-010-01		
Lab Sample ID:	C40475-21L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	83.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82656.D	1	07/10/15	AFL	07/08/15	F:OP56750	F:VM3500
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0505		0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		83-118%
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0384-SS-0005-01		
Lab Sample ID:	C40475-23	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	90.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42408.D	1	07/02/15	XB	n/a	n/a	VL1272
Run #2							

	Initial Weight
Run #1	4.56 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	44	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		75-125%
2037-26-5	Toluene-D8	99%		80-121%
460-00-4	4-Bromofluorobenzene	96%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0384-SS-0005-01		
Lab Sample ID:	C40475-23	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	90.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042600.D	1	06/29/15	RV	06/26/15	OP12511	GPP1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	16	ug/kg	
11141-16-5	Aroclor 1232	ND	33	16	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	16	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		44-135%
877-09-8	Tetrachloro-m-xylene	85%		44-135%
2051-24-3	Decachlorobiphenyl	78%		31-163%
2051-24-3	Decachlorobiphenyl	66%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DP0384-SS-0005-01		
Lab Sample ID:	C40475-23	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	90.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	9.8		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID: DP0384-SS-0005-01
Lab Sample ID: C40475-23L
Matrix: SO - Soil
Method: SW846 8260B SW846 1312
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Date Sampled: 06/24/15
Date Received: 06/25/15
Percent Solids: 90.2 [a]

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82672.D	1	07/10/15	AFL	07/09/15	F:OP56775	F:VM3502
Run #2 [c]	M82680.D	10	07/10/15	AFL	07/09/15	F:OP56775	F:VM3502

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0351		0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	90%	89%	79-125%
2037-26-5	Toluene-D8	107%	122%	85-112%
460-00-4	4-Bromofluorobenzene	107%	94%	83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.
(c) Confirmation run. Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0384-SS-0015-01		
Lab Sample ID:	C40475-24	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	84.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42410.D	1	07/02/15	XB	n/a	n/a	VL1272
Run #2							

	Initial Weight
Run #1	3.98 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-125%
2037-26-5	Toluene-D8	99%		80-121%
460-00-4	4-Bromofluorobenzene	94%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0384-SS-0015-01		
Lab Sample ID:	C40475-24	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	84.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042601.D	1	06/29/15	RV	06/26/15	OP12511	GPP1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		44-135%
877-09-8	Tetrachloro-m-xylene	73%		44-135%
2051-24-3	Decachlorobiphenyl	76%		31-163%
2051-24-3	Decachlorobiphenyl	67%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DP0384-SS-0015-01		
Lab Sample ID:	C40475-24	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	84.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	15.5		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0384-SS-0015-01		
Lab Sample ID:	C40475-24L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82674.D	1	07/10/15	AFL	07/09/15	F:OP56775	F:VM3502
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0375		0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	89%		79-125%
2037-26-5	Toluene-D8	88%		85-112%
460-00-4	4-Bromofluorobenzene	93%		83-118%

(a) All results reported on a wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0384-SS-005-01		
Lab Sample ID:	C40475-25	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	79.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42409.D	1	07/02/15	XB	n/a	n/a	VL1272
Run #2							

	Initial Weight
Run #1	4.55 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	44	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		75-125%
2037-26-5	Toluene-D8	96%		80-121%
460-00-4	4-Bromofluorobenzene	97%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: DP0384-SS-005-01
Lab Sample ID: C40475-25 **Date Sampled:** 06/24/15
Matrix: SO - Soil **Date Received:** 06/25/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 79.2 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042602.D	1	06/29/15	RV	06/26/15	OP12511	GPP1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		44-135%
877-09-8	Tetrachloro-m-xylene	73%		44-135%
2051-24-3	Decachlorobiphenyl	82%		31-163%
2051-24-3	Decachlorobiphenyl	76%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0384-SS-005-01		
Lab Sample ID:	C40475-25	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	79.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	20.8		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0384-SS-005-01		
Lab Sample ID:	C40475-25L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	79.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82675.D	1	07/10/15	AFL	07/09/15	F:OP56775	F:VM3502
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0254		0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	85%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0384-SS-010-01		
Lab Sample ID:	C40475-26	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	72.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42414.D	1	07/02/15	XB	n/a	n/a	VL1272
Run #2							

	Initial Weight
Run #1	5.24 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	38	9.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		75-125%
2037-26-5	Toluene-D8	97%		80-121%
460-00-4	4-Bromofluorobenzene	98%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DP0384-SS-010-01
Lab Sample ID: C40475-26 **Date Sampled:** 06/24/15
Matrix: SO - Soil **Date Received:** 06/25/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 72.3 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042781.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		44-135%
877-09-8	Tetrachloro-m-xylene	80%		44-135%
2051-24-3	Decachlorobiphenyl	82%		31-163%
2051-24-3	Decachlorobiphenyl	111%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0384-SS-010-01		
Lab Sample ID:	C40475-26	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	72.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	27.7		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0384-SS-010-01		
Lab Sample ID:	C40475-26L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	72.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82676.D	1	07/10/15	AFL	07/09/15	F:OP56775	F:VM3502
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0408		0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		83-118%
17060-07-0	1,2-Dichloroethane-D4	85%		79-125%
2037-26-5	Toluene-D8	110%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0384-SS-014-01		
Lab Sample ID:	C40475-27	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B	**Percent Solids:**	76.8 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42415.D	1	07/02/15	XB	n/a	n/a	VL1272
Run #2							

	Initial Weight
Run #1	5.42 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	37	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		75-125%
2037-26-5	Toluene-D8	97%		80-121%
460-00-4	4-Bromofluorobenzene	95%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DP0384-SS-014-01
Lab Sample ID: C40475-27 **Date Sampled:** 06/24/15
Matrix: SO - Soil **Date Received:** 06/25/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 76.8 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042782.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		44-135%
877-09-8	Tetrachloro-m-xylene	73%		44-135%
2051-24-3	Decachlorobiphenyl	83%		31-163%
2051-24-3	Decachlorobiphenyl	110%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0384-SS-014-01		
Lab Sample ID:	C40475-27	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
		Percent Solids:	76.8 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	23.2		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0384-SS-014-01		
Lab Sample ID:	C40475-27L	**Date Sampled:**	06/24/15
Matrix:	SO - Soil	**Date Received:**	06/25/15
Method:	SW846 8260B SW846 1312	**Percent Solids:**	76.8 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	M82677.D	1	07/10/15	AFL	07/09/15	F:OP56775	F:VM3502
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	0.0150		0.025	0.010	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	93%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

(a) All results reported on wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando FL.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

HALEY & ALDRICH
3187 Red Hill Avenue
Suite 155
Costa Mesa, CA 92626-3410
(714) 371-1800 Fax (714) 641-2811

CHAIN OF CUSTODY FORM

C40475

Project Name/Address: UTC Canoga Park, 6633 Canoga Ave, SPLP Soil Sampling
Project /PO Number: 32594-455
Project Manager: Tom Tetnall
Phone Number: (714) 371-1817
Sampled by (signature):
Fax Number:

Lab Name: Accutest
Lab Address: 2105 Lundy Ave San Jose, CA 95131

Sample Identification	Lab ID No.	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	PCBs 8082	PCE+TCE 8260B	ACETONE	SPLP PCE/TCE	SPLP Acetone	SPLP PCBs		HOLD	Special Instructions
DP8374-SS-005-01		SO	3 VOA 1 Liter	5	6/24/15	1010	1 Methanol 2 Water	X	X		X		X			1
DP8374-SS-009-01				5		1012		X	X		X		X			2
DP8374-SS-012-01						1025		X	X		X		X			3
DP8374-SS-014-01						1028									X	4
DP8373-SS-005-01						1035		X	X		X		X			5
DP8373-SS-009-01						1045		X	X		X		X			6
DP8373-SS-012-01						1055		X	X		X		X			7
DP8373-SS-014-01						1058		X							X	8
DP8372-SS-005-01						1135		X	X		X		X			9
DP8372-SS-009-01						1138		X	X		X		X			10
DP8372-SS-012-01						1155		X	X		X		X			11
DP8372-SS-014-01						1158									X	12
DP0386-SS-0005-01						1415		X		X		X	X			13
DP0386-SS-0015-01						1418		X		X		X	X			14
DP0386-SS-0054-01						1420		X		X		X	X			15

Relinquished By:	Date/Time: 1645	Received By:	Date/Time: 6-24-15 1650	Turnaround Time (Check)	
Relinquished By: 6-24-15 1715	Date/Time: 6/24/15	Received By:	Date/Time:	24 Hours ___	5 Days ___
Relinquished By: FEDEX 8070 4947 0642	Date/Time: 6/25/15 0910	Received in Lab By:	Date/Time: 6/25/15 0900	48 Hours ___	10 Days ___
				72 Hours ___	Other ___
				Sample Integrity (Check): On Ice ✓	Intact ✓

2 coolers — 2.7-0.1=2.6°c / 2.0-0.1=1.9°c

IRVINE

C40475: Chain of Custody
Page 1 of 3

HALEY & ALDRICH
3187 Red Hill Avenue
Suite 155
Costa Mesa, CA 92626-3410
(714) 371-1600 Fax (714) 641-2811

CHAIN OF CUSTODY FORM

C40475

Project Name/Address:	Project /PO Number:	Analysis Required	Lab Name:
UTC Canoga Park 6633 Canoga Ave SPLP Soil Sampling	32514-455	PCBs 8082 / Acetone / SPLP PCBs / SPLP Acetone / HOLD	ACCUTEST
Project Manager: Tom Tatnall	Phone Number: (714) 371-1817		Lab Address: 2105 Lundy Ave San Jose, CA 95131
Sampled by (signature):	Fax Number:		

Sample Identification	Lab ID No.	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Special Instructions
DP0386-SS-010-01		SO	8oz Jar	5	6/24/15	1422	methanol/water	16
DP0386-SS-014-01		↓		5	↓	1424		17
DP0385-SS-0005-01		↓		5	↓	1458		18
DP0385-SS-0015-01		↓		5	↓	1500		19
DP0385-SS-005-01		↓		5	↓	1501		20
DP0385-SS-010-01		↓		5	↓	1502		21
DP0385-SS-014-01		↓		5	↓	1518		22
DP0384-SS-0005-01		↓		5	↓	1547		23
DP0384-SS-0015-01		↓		5	↓	1550		24
DP0384-SS-005-01		↓		5	↓	1552		25
DP0384-SS-010-01		↓		5	↓	1554		26
DP0384-SS-014-01		↓	↓	5	↓	1556	↓	27

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time (Check)
1645	6/24/15		6-24-15 1650	24 Hours ___ 5 Days ___
Relinquished By:	Date/Time: 6-24-15 1715	Received By:	Date/Time:	48 Hours ___ 10 Days ___
Relinquished By:	Date/Time: 6/25/15 0910	Received in Lab By:	Date/Time: 6/25/15 0910	72 Hours ___ Other ___
				Sample Integrity (Check): On Ice ✓ Intact ✓

2 of 2

IRVINE

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C40475 **Client:** HALEY & ALDRICH **Project:** UTC CANOGA PARK

Date / Time Received: 6/25/2015 9:10:00 AM **Delivery Method:** FedEx **Airbill #'s:** 807049470612

Cooler Temps (Initial/Adjusted): #1: (2.7/2.6); #2: (3/2.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Therm ID:	IR2;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

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C40475: Chain of Custody
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Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1630-MB	M53967.D	1	06/25/15	XB	n/a	n/a	VM1630

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-1, C40475-2, C40475-3, C40475-5, C40475-6, C40475-7, C40475-9, C40475-10, C40475-11, C40475-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	75-125%
2037-26-5	Toluene-D8	100%	80-121%
460-00-4	4-Bromofluorobenzene	100%	71-126%

Method Blank Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1271-MB	L42372.D	1	07/01/15	XB	n/a	n/a	VL1271

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-8, C40475-9, C40475-10, C40475-11, C40475-13, C40475-15

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	75-125%
2037-26-5	Toluene-D8	94%	80-121%
460-00-4	4-Bromofluorobenzene	94%	71-126%

Method Blank Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1272-MB	L42402.D	1	07/02/15	XB	n/a	n/a	VL1272

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-12, C40475-16, C40475-17, C40475-19, C40475-20, C40475-21, C40475-23, C40475-24, C40475-25, C40475-26, C40475-27

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	75-125%
2037-26-5	Toluene-D8	96%	80-121%
460-00-4	4-Bromofluorobenzene	95%	71-126%

Method Blank Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1273-MB	L42454.D	1	07/06/15	XB	n/a	n/a	VL1273

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-12, C40475-18

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	75-125%
2037-26-5	Toluene-D8	92%	80-121%
460-00-4	4-Bromofluorobenzene	96%	71-126%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1630-BS	M53969.D	1	06/25/15	XB	n/a	n/a	VM1630
VM1630-BSD	M53966.D	1	06/25/15	XB	n/a	n/a	VM1630

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-1, C40475-2, C40475-3, C40475-5, C40475-6, C40475-7, C40475-9, C40475-10, C40475-11, C40475-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	156	98	167	104	7	59-143/27
127-18-4	Tetrachloroethylene	40	38.5	96	40.9	102	6	77-125/14
79-01-6	Trichloroethylene	40	38.5	96	40.8	102	6	80-124/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	94%	75-125%
2037-26-5	Toluene-D8	100%	98%	80-121%
460-00-4	4-Bromofluorobenzene	100%	96%	71-126%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1271-BS	L42369.D	1	07/01/15	XB	n/a	n/a	VL1271
VL1271-BSD	L42370.D	1	07/01/15	XB	n/a	n/a	VL1271

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-8, C40475-9, C40475-10, C40475-11, C40475-13, C40475-15

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	170	106	157	98	8	59-143/27
127-18-4	Tetrachloroethylene	40	39.7	99	39.5	99	1	77-125/14
79-01-6	Trichloroethylene	40	39.6	99	37.8	95	5	80-124/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	100%	97%	75-125%
2037-26-5	Toluene-D8	94%	97%	80-121%
460-00-4	4-Bromofluorobenzene	99%	98%	71-126%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1272-BS	L42399.D	1	07/02/15	XB	n/a	n/a	VL1272
VL1272-BSD	L42400.D	1	07/02/15	XB	n/a	n/a	VL1272

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-12, C40475-16, C40475-17, C40475-19, C40475-20, C40475-21, C40475-23, C40475-24, C40475-25, C40475-26, C40475-27

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	161	101	161	101	0	59-143/27
79-01-6	Trichloroethylene	40	38.3	96	38.2	96	0	80-124/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	101%	97%	75-125%
2037-26-5	Toluene-D8	94%	96%	80-121%
460-00-4	4-Bromofluorobenzene	96%	97%	71-126%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1273-BS	L42451.D	1	07/06/15	XB	n/a	n/a	VL1273
VL1273-BSD	L42452.D	1	07/06/15	XB	n/a	n/a	VL1273

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-12, C40475-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	136	85	149	93	9	59-143/27
127-18-4	Tetrachloroethylene	40	37.9	95	36.3	91	4	77-125/14

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	91%	97%	75-125%
2037-26-5	Toluene-D8	93%	91%	80-121%
460-00-4	4-Bromofluorobenzene	98%	95%	71-126%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1272-LCS	L42401.D	1	07/02/15	XB	n/a	n/a	VL1272

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-12, C40475-16, C40475-17, C40475-19, C40475-20, C40475-21, C40475-23, C40475-24, C40475-25, C40475-26, C40475-27

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	75-125%
2037-26-5	Toluene-D8	97%	80-121%
460-00-4	4-Bromofluorobenzene	96%	71-126%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1273-LCS	L42453.D	1	07/06/15	XB	n/a	n/a	VL1273

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-12, C40475-18

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	87%	75-125%
2037-26-5	Toluene-D8	94%	80-121%
460-00-4	4-Bromofluorobenzene	96%	71-126%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40509-31MS	L42389.D	1	07/01/15	XB	n/a	n/a	VL1271
C40509-31MSD	L42390.D	1	07/01/15	XB	n/a	n/a	VL1271
C40509-31 [a]	L42384.D	1	07/01/15	XB	n/a	n/a	VL1271

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-8, C40475-9, C40475-10, C40475-11, C40475-13, C40475-15

CAS No.	Compound	C40509-31 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		14100	14900	105	14100	14600	103	2	59-143/27
127-18-4	Tetrachloroethylene	4640		3530	8340	105	3530	7890	92	6	77-125/14
79-01-6	Trichloroethylene	1320		3530	4820	99	3530	4650	94	4	80-124/13

CAS No.	Surrogate Recoveries	MS	MSD	C40509-31	Limits
1868-53-7	Dibromofluoromethane	99%	97%		75-125%
2037-26-5	Toluene-D8	96%	96%		80-121%
460-00-4	4-Bromofluorobenzene	96%	95%		71-126%

(a) Sample used for QC purposes only.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40548-3MS	L42419.D	1	07/02/15	XB	n/a	n/a	VL1272
C40548-3MSD	L42420.D	1	07/02/15	XB	n/a	n/a	VL1272
C40548-3	L42418.D	1	07/02/15	XB	n/a	n/a	VL1272

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-12, C40475-16, C40475-17, C40475-19, C40475-20, C40475-21, C40475-23, C40475-24, C40475-25, C40475-26, C40475-27

CAS No.	Compound	C40548-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		158	224	142	158	243	154* [a]	8	59-143/27
79-01-6	Trichloroethylene	ND		39.4	33.7	85	39.5	32.2	81	5	80-124/13

CAS No.	Surrogate Recoveries	MS	MSD	C40548-3	Limits
1868-53-7	Dibromofluoromethane	100%	96%	95%	75-125%
2037-26-5	Toluene-D8	93%	93%	95%	80-121%
460-00-4	4-Bromofluorobenzene	96%	97%	92%	71-126%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40475-18MS	L42471.D	1	07/07/15	XB	n/a	n/a	VL1273
C40475-18MSD	L42472.D	1	07/07/15	XB	n/a	n/a	VL1273
C40475-18 [a]	L42468.D	1	07/07/15	XB	n/a	n/a	VL1273

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-12, C40475-18

CAS No.	Compound	C40475-18 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		27200	19300	71	27200	24900	92	25	59-143/27
127-18-4	Tetrachloroethylene	8560		6790	14600	89	6790	16100	111	10	77-125/14

CAS No.	Surrogate Recoveries	MS	MSD	C40475-18	Limits
1868-53-7	Dibromofluoromethane	96%	95%	97%	75-125%
2037-26-5	Toluene-D8	91%	109%	96%	80-121%
460-00-4	4-Bromofluorobenzene	86%	111%	100%	71-126%

(a) Dilution required due to high concentration of non-target compound(s).

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12502-MB	PP042486.D	1	06/27/15	RV	06/25/15	OP12502	GPP1355

The QC reported here applies to the following samples: **Method:** SW846 8082

C40475-1, C40475-2

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	78%	44-135%
877-09-8	Tetrachloro-m-xylene	83%	44-135%
2051-24-3	Decachlorobiphenyl	77%	31-163%
2051-24-3	Decachlorobiphenyl	55%	31-163%

Method Blank Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12511-MB	PP042562.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356

The QC reported here applies to the following samples: **Method:** SW846 8082

C40475-3, C40475-5, C40475-6, C40475-7, C40475-9, C40475-10, C40475-11, C40475-13, C40475-14, C40475-15, C40475-18, C40475-19, C40475-20, C40475-23, C40475-24, C40475-25

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	80%	44-135%
877-09-8	Tetrachloro-m-xylene	83%	44-135%
2051-24-3	Decachlorobiphenyl	66%	31-163%
2051-24-3	Decachlorobiphenyl	49%	31-163%

Method Blank Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12547-MB	PP042783.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360

The QC reported here applies to the following samples: **Method:** SW846 8082

C40475-8, C40475-12, C40475-16, C40475-17, C40475-21, C40475-26, C40475-27

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	75%	44-135%
877-09-8	Tetrachloro-m-xylene	76%	44-135%
2051-24-3	Decachlorobiphenyl	84%	31-163%
2051-24-3	Decachlorobiphenyl	112%	31-163%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12502-BS	PP042487.D	1	06/27/15	RV	06/25/15	OP12502	GPP1355
OP12502-BSD	PP042488.D	1	06/27/15	RV	06/25/15	OP12502	GPP1355

The QC reported here applies to the following samples: **Method:** SW846 8082

C40475-1, C40475-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	133	99.5	75	94.4	71	5	46-116/16
11096-82-5	Aroclor 1260	133	128	96	120	90	6	44-128/15

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	80%	77%	44-135%
877-09-8	Tetrachloro-m-xylene	85%	87%	44-135%
2051-24-3	Decachlorobiphenyl	79%	78%	31-163%
2051-24-3	Decachlorobiphenyl	57%	57%	31-163%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12511-BS	PP042572.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356
OP12511-BSD	PP042573.D	1	06/28/15	RV	06/26/15	OP12511	GPP1356

The QC reported here applies to the following samples: **Method:** SW846 8082

C40475-3, C40475-5, C40475-6, C40475-7, C40475-9, C40475-10, C40475-11, C40475-13, C40475-14, C40475-15, C40475-18, C40475-19, C40475-20, C40475-23, C40475-24, C40475-25

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	133	101	76	97.3	73	4	46-116/16
11096-82-5	Aroclor 1260	133	109	82	110	83	1	44-128/15

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	81%	78%	44-135%
877-09-8	Tetrachloro-m-xylene	91%	80%	44-135%
2051-24-3	Decachlorobiphenyl	79%	79%	31-163%
2051-24-3	Decachlorobiphenyl	60%	59%	31-163%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12547-BS	PP042784.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
OP12547-BSD	PP042785.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360

The QC reported here applies to the following samples: **Method:** SW846 8082

C40475-8, C40475-12, C40475-16, C40475-17, C40475-21, C40475-26, C40475-27

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	133	94.1	71	94.3	71	0	46-116/16
11096-82-5	Aroclor 1260	133	118	89	121	91	3	44-128/15

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	76%	72%	44-135%
877-09-8	Tetrachloro-m-xylene	78%	67%	44-135%
2051-24-3	Decachlorobiphenyl	83%	83%	31-163%
2051-24-3	Decachlorobiphenyl	110%	108%	31-163%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12502-MS	PP042500.D	5	06/27/15	RV	06/25/15	OP12502	GPP1355
OP12502-MSD	PP042501.D	5	06/27/15	RV	06/25/15	OP12502	GPP1355
C40488-1	PP042492.D	1	06/27/15	RV	06/25/15	OP12502	GPP1355

The QC reported here applies to the following samples: **Method:** SW846 8082

C40475-1, C40475-2

CAS No.	Compound	C40488-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		133	124	93	133	134	101	8	46-116/16
11096-82-5	Aroclor 1260	ND		133	127	95	133	112	84	13	44-128/15

CAS No.	Surrogate Recoveries	MS	MSD	C40488-1	Limits
877-09-8	Tetrachloro-m-xylene	88%	91%	87%	44-135%
877-09-8	Tetrachloro-m-xylene	107%	109%	86%	44-135%
2051-24-3	Decachlorobiphenyl	79%	82%	75%	31-163%
2051-24-3	Decachlorobiphenyl	67%	66%	60%	31-163%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12511-MS	PP042671.D	250	06/30/15	RV	06/26/15	OP12511	GPP1358
OP12511-MSD	PP042672.D	250	06/30/15	RV	06/26/15	OP12511	GPP1358
C40464-47	PP042670.D	250	06/30/15	RV	06/26/15	OP12511	GPP1358

The QC reported here applies to the following samples: **Method:** SW846 8082

C40475-3, C40475-5, C40475-6, C40475-7, C40475-9, C40475-10, C40475-11, C40475-13, C40475-14, C40475-15, C40475-18, C40475-19, C40475-20, C40475-23, C40475-24, C40475-25

CAS No.	Compound	C40464-47 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		161	ND	0* [a]	160	ND	0* [a]	nc	46-116/16
11096-82-5	Aroclor 1260	34900		161	40500	3488* [b]	160	41100	3863* [b]	1	44-128/15

CAS No.	Surrogate Recoveries	MS	MSD	C40464-47	Limits
877-09-8	Tetrachloro-m-xylene	102%	120%	119%	44-135%
877-09-8	Tetrachloro-m-xylene	163%* [c]	162%* [c]	169%* [c]	44-135%
2051-24-3	Decachlorobiphenyl	156%	175%* [c]	163%	31-163%
2051-24-3	Decachlorobiphenyl	166%* [c]	187%* [c]	161%	31-163%

(a) Outside control limits due to high dilution required. The associated BS/BSD spike recoveries were acceptable.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Outside control limits due to dilution.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40475
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12547-MS	PP042805.D	5	07/03/15	RV	07/02/15	OP12547	GPP1360
OP12547-MSD	PP042806.D	5	07/03/15	RV	07/02/15	OP12547	GPP1360
C40475-8	PP042776.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360

The QC reported here applies to the following samples: **Method:** SW846 8082

C40475-8, C40475-12, C40475-16, C40475-17, C40475-21, C40475-26, C40475-27

CAS No.	Compound	C40475-8 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		133	117	88	133	114	86	3	46-116/16
11096-82-5	Aroclor 1260	ND		133	122	92	133	129	97	6	44-128/15

CAS No.	Surrogate Recoveries	MS	MSD	C40475-8	Limits
877-09-8	Tetrachloro-m-xylene	75%	75%	71%	44-135%
877-09-8	Tetrachloro-m-xylene	88%	88%	62%	44-135%
2051-24-3	Decachlorobiphenyl	90%	88%	75%	31-163%
2051-24-3	Decachlorobiphenyl	101%	86%	99%	31-163%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

Accutest ID and PO#: C40475

2105 Lundy Avenue, San Jose, CA 95131 Phone :(408)588-0200 Fax: (408)588-0201

Subcontract Chain of Custody

Subcontract Lab: Accutest Laboratories Southeast
Date Sent: 07/06/15
Date Due: 07/10/15

Project Name: UTC7693

Accutest Lab Number	Customer Sample Name/Field Point ID	Matrix	Method	Collect Date	Collect Time
C40475-1L		SO	V8260SPLPSL3		
C40475-2L		SO	V8260SPLPSL3		
C40475-3L		SO	V8260SPLPSL3		
C40475-5L		SO	V8260SPLPSL3		
C40475-6L		SO	V8260SPLPSL3		
C40475-7L		SO	V8260SPLPSL3		
C40475-8L		SO	V8260SPLPSL3		
C40475-9L		SO	V8260SPLPSL3		
C40475-10L		SO	V8260SPLPSL3		
C40475-11L		SO	V8260SPLPSL3		
C40475-12L		SO	V8260SPLPSL3		
C40475-13L		SO	V8260SPLPSL4		
C40475-14L		SO	V8260SPLPSL4		
C40475-15L		SO	V8260SPLPSL4		
C40475-16L		SO	V8260SPLPSL4		
C40475-17L		SO	V8260SPLPSL4		
C40475-18L		SO	V8260SPLPSL4		
C40475-19L		SO	V8260SPLPSL4		
C40475-20L		SO	V8260SPLPSL4		
C40475-21L		SO	V8260SPLPSL4		
C40475-23L		SO	V8260SPLPSL4		
C40475-24L		SO	V8260SPLPSL4		
C40475-25L		SO	V8260SPLPSL4		
C40475-26L		SO	V8260SPLPSL4		
C40475-27L		SO	V8260SPLPSL4		

Comments: 1x 2oz sample per jar

Relinquished By:	Received By: FedEx	Date: 07/06/15	Time: 15:00
Relinquished By: FX 07-07-15 845	Received By:	Date:	Time:
Relinquished By:	Received By:	Date:	Time:

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Send the Report to: ElvinK@accutest.com

C40475: Chain of Custody
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Accutest Laboratories Southeast, Inc.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: C40475 CLIENT: ALNC PROJECT: UTC 7693

DATE/TIME RECEIVED: 0707-15 845 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 7739 8982 6387

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [X] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.2
- [ ] OBSERVED TEMPS: 2.8
- [ ] CORRECTED TEMPS: 2.6

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

pH PAPER LOT#s WIDE RANGE A036122 NARROW RANGE HC421754 OTHER (specify) 405-230010

SUMMARY OF COMMENTS: No Date or time on COC. Bottles Rec'd 0624-15 10:10, 10:12, 10:25, 1035, 10:45, 10:55, 10:58, 11:35, 11:38, 11:55, 11:58, 14:15, 14:18, 14:20, 14:22, 14:24, 14:50, 15:00, 15:01, 15:02, 15:47 15:50 15:52 15:54 15:56

TECHNICIAN SIGNATURE/DATE [signature] 070215 REVIEWER SIGNATURE/DATE [signature] 7-7-15

NF 10/14

receipt confirmation 102914.xls

7.1

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C40475: Chain of Custody

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C40475: Chain of Custody
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Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP56722-LB	M82618.D	1	07/09/15	RB	07/07/15	OP56722	VM3498

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-1L, C40475-2L, C40475-3L, C40475-5L, C40475-6L, C40475-7L, C40475-8L, C40475-9L, C40475-10L, C40475-11L

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND	1.0	0.33	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	101%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	118%	83-118%

Leachate Blank Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP56722-LB	M82641.D	1	07/09/15	RB	07/07/15	OP56722	VM3500

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-1L, C40475-2L, C40475-3L, C40475-5L, C40475-6L, C40475-7L, C40475-8L, C40475-9L, C40475-10L, C40475-11L

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND	1.0	0.33	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	79-125%
2037-26-5	Toluene-D8	95%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

Leachate Blank Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP56750-LB	M82642.D	1	07/09/15	RB	07/08/15	OP56750	VM3500

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-12L, C40475-13L, C40475-14L, C40475-15L, C40475-16L, C40475-17L, C40475-18L, C40475-19L, C40475-20L, C40475-21L

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.33	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

Leachate Blank Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP56750-LB	M82670.D	1	07/10/15	RB	07/08/15	OP56750	VM3502

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-12L, C40475-13L, C40475-14L, C40475-15L, C40475-16L, C40475-17L, C40475-18L, C40475-19L, C40475-20L, C40475-21L

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.33	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	86%	79-125%
2037-26-5	Toluene-D8	104%	85-112%
460-00-4	4-Bromofluorobenzene	110%	83-118%

Leachate Blank Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP56775-LB	M82671.D	1	07/10/15	RB	07/09/15	OP56775	VM3502

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-23L, C40475-24L, C40475-25L, C40475-26L, C40475-27L

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	96%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

Blank Spike Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3498-BS	M82616.D	1	07/09/15	RB	n/a	n/a	VM3498

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-1L, C40475-2L, C40475-5L, C40475-6L, C40475-7L, C40475-8L, C40475-9L, C40475-10L, C40475-11L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
127-18-4	Tetrachloroethylene	25	25.6	102	76-135
79-01-6	Trichloroethylene	25	26.3	105	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	106%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3500-BS	M82640.D	1	07/09/15	RB	n/a	n/a	VM3500

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-3L, C40475-12L, C40475-13L, C40475-14L, C40475-15L, C40475-16L, C40475-17L, C40475-18L, C40475-19L, C40475-20L, C40475-21L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	110	88	50-147
127-18-4	Tetrachloroethylene	25	27.3	109	76-135
79-01-6	Trichloroethylene	25	23.0	92	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	91%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM3502-BS	M82669.D	1	07/10/15	RB	n/a	n/a	VM3502

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-17L, C40475-23L, C40475-24L, C40475-25L, C40475-26L, C40475-27L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	106	85	50-147

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	111%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	91%	85-112%
460-00-4	4-Bromofluorobenzene	104%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40475-11LMS	M82632.D	10	07/09/15	RB	n/a	n/a	VM3498
C40475-11LMSD	M82633.D	10	07/09/15	RB	n/a	n/a	VM3498
C40475-11L	M82629.D	1	07/09/15	RB	07/07/15	OP56722	VM3498
C40475-11L [a]	M82631.D	10	07/09/15	RB	07/07/15	OP56722	VM3498

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-1L, C40475-2L, C40475-5L, C40475-6L, C40475-7L, C40475-8L, C40475-9L, C40475-10L, C40475-11L

CAS No.	Compound	C40475-11L ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	0.58	J	250	240	96	250	226	90	6	76-135/16
79-01-6	Trichloroethylene	ND		250	223	89	250	236	94	6	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	C40475-11L	C40475-11L	Limits
1868-53-7	Dibromofluoromethane	99%	98%	88%	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	94%	92%	89%	79-125%
2037-26-5	Toluene-D8	108%	98%	103%	98%	85-112%
460-00-4	4-Bromofluorobenzene	87%	114%	100%	88%	83-118%

(a) Confirmation run.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40475-12LMS	M82658.D	10	07/10/15	RB	n/a	n/a	VM3500
C40475-12LMSD	M82659.D	10	07/10/15	RB	n/a	n/a	VM3500
C40475-12L	M82646.D	1	07/09/15	RB	07/08/15	OP56750	VM3500
C40475-12L	M82657.D	10	07/10/15	RB	07/08/15	OP56750	VM3500

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-3L, C40475-12L, C40475-13L, C40475-14L, C40475-15L, C40475-16L, C40475-17L, C40475-18L, C40475-19L, C40475-20L, C40475-21L

CAS No.	Compound	C40475-12L ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	27.8		1250	938	73	1250	1090	85	15	50-147/21
127-18-4	Tetrachloroethylene	ND		250	240	96	250	215	86	11	76-135/16
79-01-6	Trichloroethylene	ND		250	226	90	250	201	80*	12	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	C40475-12L	C40475-12L	Limits
1868-53-7	Dibromofluoromethane	99%	111%	97%	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	107%	88%	96%	79-125%
2037-26-5	Toluene-D8	93%	91%	93%	100%	85-112%
460-00-4	4-Bromofluorobenzene	91%	96%	112%	101%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40475-23LMS	M82681.D	10	07/10/15	RB	n/a	n/a	VM3502
C40475-23LMSD	M82682.D	10	07/10/15	RB	n/a	n/a	VM3502
C40475-23L	M82672.D	1	07/10/15	RB	07/09/15	OP56775	VM3502
C40475-23L [a]	M82680.D	10	07/10/15	RB	07/09/15	OP56775	VM3502

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-17L, C40475-23L, C40475-24L, C40475-25L, C40475-26L, C40475-27L

CAS No.	Compound	C40475-23L ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	35.1		1250	1020	79	1250	1050	81	3	50-147/21

CAS No.	Surrogate Recoveries	MS	MSD	C40475-23L	C40475-23L	Limits
1868-53-7	Dibromofluoromethane	100%	99%	95%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	89%	90%	89%	79-125%
2037-26-5	Toluene-D8	97%	96%	107%	122%*	85-112%
460-00-4	4-Bromofluorobenzene	93%	101%	107%	94%	83-118%

(a) Confirmation run.

* = Outside of Control Limits.

Duplicate Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40475-1LDUP	M82644.D	1	07/09/15	RB	n/a	n/a	VM3498
C40475-1L	M82619.D	1	07/09/15	RB	07/07/15	OP56722	VM3498

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-1L, C40475-2L, C40475-5L, C40475-6L, C40475-7L, C40475-8L, C40475-9L, C40475-10L, C40475-11L

CAS No.	Compound	C40475-1L ug/l	Q	DUP ug/l	Q	RPD	Limits
127-18-4	Tetrachloroethylene	ND		ND		nc	16
79-01-6	Trichloroethylene	ND		ND		nc	15

CAS No.	Surrogate Recoveries	DUP	C40475-1L	Limits
1868-53-7	Dibromofluoromethane	88%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	86%	91%	79-125%
2037-26-5	Toluene-D8	99%	97%	85-112%
460-00-4	4-Bromofluorobenzene	100%	102%	83-118%

* = Outside of Control Limits.

Duplicate Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40475-12LDUP	M82647.D	1	07/10/15	RB	n/a	n/a	VM3500
C40475-12L	M82646.D	1	07/09/15	RB	07/08/15	OP56750	VM3500
C40475-12L	M82657.D	10	07/10/15	RB	07/08/15	OP56750	VM3500

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-3L, C40475-12L, C40475-13L, C40475-14L, C40475-15L, C40475-16L, C40475-17L, C40475-18L, C40475-19L, C40475-20L, C40475-21L

CAS No.	Compound	C40475-12L ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	27.8		33.4		18	21
127-18-4	Tetrachloroethylene	ND		ND		nc	16
79-01-6	Trichloroethylene	ND		ND		nc	15

CAS No.	Surrogate Recoveries	DUP	C40475-12L	C40475-12L	Limits
1868-53-7	Dibromofluoromethane	100%	97%	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	89%	88%	96%	79-125%
2037-26-5	Toluene-D8	94%	93%	100%	85-112%
460-00-4	4-Bromofluorobenzene	76%* [a]	112%	101%	83-118%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Duplicate Summary

Job Number: C40475
Account: ALNCA Accutest Northern California, Inc.
Project: UTC: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40475-23LDUP	M82673.D	1	07/10/15	RB	n/a	n/a	VM3502
C40475-23L	M82672.D	1	07/10/15	RB	07/09/15	OP56775	VM3502
C40475-23L [a]	M82680.D	10	07/10/15	RB	07/09/15	OP56775	VM3502

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40475-17L, C40475-23L, C40475-24L, C40475-25L, C40475-26L, C40475-27L

CAS No.	Compound	C40475-23L ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	35.1		34.5		2	21

CAS No.	Surrogate Recoveries	DUP	C40475-23L	C40475-23L	Limits
1868-53-7	Dibromofluoromethane	88%	95%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	89%	90%	89%	79-125%
2037-26-5	Toluene-D8	103%	107%	122%*	85-112%
460-00-4	4-Bromofluorobenzene	101%	107%	94%	83-118%

(a) Confirmation run.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

Reissue #1
07/23/15

Technical Report for

United Technology Corporation

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

32594-455

Accutest Job Number: C40509

Sampling Date: 06/25/15

Report to:

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Total number of pages in report: **230**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

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July 23, 2015

Anita Broughton
Haley & Aldrich
3187 Red Hill Ave # 155
Costa Mesa, CA 92626

Re: Accutest Job # C40509 Reissue

Dear Ms. Broughton,

The final report for Accutest Job # **C40509**, original report dated 7/14/2015, has been edited to reflect requested corrections.

The *8260* and *8270* SPLP data for samples *C40509-21L* through *-32L*, *-34L* and *-35L* have been revised due to reanalyses performed to achieve project-specified limits as per your request. Revised data pages have been incorporated into this revised report.

We apologize for any inconvenience the above issue may have caused you. Please contact us at 408-588-0200 if we can be of further assistance in this matter, or if you have any questions regarding this data report.

Sincerely,

Accutest Laboratories

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Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C40509

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-455

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40509-1	06/25/15	07:12	DG	06/26/15	SO	Soil	DP0380-SS-0005-01
C40509-1L	06/25/15	07:12	DG	06/26/15	SO	Soil	DP0380-SS-0005-01
C40509-2	06/25/15	07:14	DG	06/26/15	SO	Soil	DP0380-SS-0015-01
C40509-2L	06/25/15	07:14	DG	06/26/15	SO	Soil	DP0380-SS-0015-01
C40509-3	06/25/15	07:25	DG	06/26/15	SO	Soil	DP0380-SS-005-01
C40509-3L	06/25/15	07:25	DG	06/26/15	SO	Soil	DP0380-SS-005-01
C40509-5	06/25/15	07:30	DG	06/26/15	SO	Soil	DP0380-SS-012-01
C40509-5L	06/25/15	07:30	DG	06/26/15	SO	Soil	DP0380-SS-0012-01
C40509-6	06/25/15	07:50	DG	06/26/15	SO	Soil	DP0381-SS-0005-01
C40509-6L	06/25/15	07:50	DG	06/26/15	SO	Soil	DP0381-SS-0005-01
C40509-7	06/25/15	07:52	DG	06/26/15	SO	Soil	DP0381-SS-0015-01
C40509-7L	06/25/15	07:52	DG	06/26/15	SO	Soil	DP0381-SS-0015-01
C40509-8	06/25/15	07:58	DG	06/26/15	SO	Soil	DP0381-SS-005-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

United Technology Corporation

Job No: C40509

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-455

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40509-8L	06/25/15	07:58	DG	06/26/15	SO	Soil	DP0381-SS-005-01
C40509-9	06/25/15	08:00	DG	06/26/15	SO	Soil	DP0381-SS-009-01
C40509-9L	06/25/15	08:00	DG	06/26/15	SO	Soil	DP0381-SS-009-01
C40509-10	06/25/15	08:03	DG	06/26/15	SO	Soil	DP0381-SS-012-01
C40509-10L	06/25/15	08:03	DG	06/26/15	SO	Soil	DP0381-SS-012-01
C40509-11	06/25/15	08:28	DG	06/26/15	SO	Soil	DP0382-SS-0005-01
C40509-11L	06/25/15	08:28	DG	06/26/15	SO	Soil	DP0382-SS-0005-01
C40509-12	06/25/15	08:30	DG	06/26/15	SO	Soil	DP0382-SS-0015-01
C40509-12L	06/25/15	08:30	DG	06/26/15	SO	Soil	DP0382-SS-0015-01
C40509-13	06/25/15	08:38	DG	06/26/15	SO	Soil	DP0382-SS-005-01
C40509-13L	06/25/15	08:38	DG	06/26/15	SO	Soil	DP0382-SS-005-01
C40509-14	06/25/15	08:40	DG	06/26/15	SO	Soil	DP0382-SS-009-01
C40509-14L	06/25/15	08:40	DG	06/26/15	SO	Soil	DP0382-SS-009-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

United Technology Corporation

Job No: C40509

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-455

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40509-15	06/25/15	08:52	DG	06/26/15	SO	Soil	DP0382-SS-0012-01
C40509-15L	06/25/15	08:52	DG	06/26/15	SO	Soil	DP0382-SS-0012-01
C40509-16	06/25/15	10:18	DG	06/26/15	SO	Soil	DP0376-SS-001-01
C40509-16L	06/25/15	10:18	DG	06/26/15	SO	Soil	DP0376-SS-001-01
C40509-17	06/25/15	10:23	DG	06/26/15	SO	Soil	DP0376-SS-002-01
C40509-17L	06/25/15	10:23	DG	06/26/15	SO	Soil	DP0376-SS-002-01
C40509-18	06/25/15	11:25	DG	06/26/15	SO	Soil	DP0376-SS-0066-01
C40509-18L	06/25/15	11:25	DG	06/26/15	SO	Soil	DP0376-SS-0066-01
C40509-19	06/25/15	11:40	DG	06/26/15	SO	Soil	DP0377-SS-001-01
C40509-19L	06/25/15	11:40	DG	06/26/15	SO	Soil	DP0377-SS-001-01
C40509-20	06/25/15	11:55	DG	06/26/15	SO	Soil	DP0377-SS-002-01
C40509-20L	06/25/15	11:55	DG	06/26/15	SO	Soil	DP0377-SS-002-01
C40509-21	06/25/15	12:15	DG	06/26/15	SO	Soil	DP0390-SS-001-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

United Technology Corporation

Job No: C40509

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-455

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40509-21L	06/25/15	12:15	DG	06/26/15	SO	Soil	DP0390-SS-001-01
C40509-22	06/25/15	12:17	DG	06/26/15	SO	Soil	DP0390-SS-002-01
C40509-22L	06/25/15	12:17	DG	06/26/15	SO	Soil	DP0390-SS-002-01
C40509-23	06/25/15	12:35	DG	06/26/15	SO	Soil	DP0390-SS-0055-01
C40509-23L	06/25/15	12:35	DG	06/26/15	SO	Soil	DP0390-SS-0055-01
C40509-24	06/25/15	12:38	DG	06/26/15	SO	Soil	DP0390-SS-007-01
C40509-24L	06/25/15	12:38	DG	06/26/15	SO	Soil	DP0390-SS-007-01
C40509-25	06/25/15	12:40	DG	06/26/15	SO	Soil	DP0390-SS-0085-01
C40509-25L	06/25/15	12:40	DG	06/26/15	SO	Soil	DP0390-SS-0085-01
C40509-26	06/25/15	14:10	DG	06/26/15	SO	Soil	DP0389-SS-001-01
C40509-26L	06/25/15	14:10	DG	06/26/15	SO	Soil	DP0389-SS-001-01
C40509-27	06/25/15	14:15	DG	06/26/15	SO	Soil	DP0389-SS-002-01
C40509-27L	06/25/15	14:15	DG	06/26/15	SO	Soil	DP0389-SS-002-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

United Technology Corporation

Job No: C40509

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-455

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40509-28	06/25/15	14:18	DG	06/26/15	SO	Soil	DP0389-SS-0055-01
C40509-28L	06/25/15	14:18	DG	06/26/15	SO	Soil	DP0389-SS-0055-01
C40509-29	06/25/15	14:20	DG	06/26/15	SO	Soil	DP0389-SS-007-01
C40509-29L	06/25/15	14:20	DG	06/26/15	SO	Soil	DP0389-SS-007-01
C40509-30	06/25/15	14:22	DG	06/26/15	SO	Soil	DP0389-SS-0085-01
C40509-30L	06/25/15	14:22	DG	06/26/15	SO	Soil	DP0389-SS-0085-01
C40509-31	06/25/15	15:45	DG	06/26/15	SO	Soil	DP0388-SS-001-01
C40509-31L	06/25/15	15:45	DG	06/26/15	SO	Soil	DP0388-SS-001-01
C40509-32	06/25/15	15:50	DG	06/26/15	SO	Soil	DP0388-SS-002-01
C40509-32L	06/25/15	15:50	DG	06/26/15	SO	Soil	DP0388-SS-002-01
C40509-34	06/25/15	16:00	DG	06/26/15	SO	Soil	DP0388-SS-007-01
C40509-34L	06/25/15	16:00	DG	06/26/15	SO	Soil	DP0388-SS-007-01
C40509-35	06/25/15	16:05	DG	06/26/15	SO	Soil	DP0388-SS-0085-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

United Technology Corporation

Job No: C40509

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-455

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40509-35L	06/25/15	16:05	DG	06/26/15	SO	Soil	DP0388-SS-0085-01
C40509-36	06/25/15	13:48	DG	06/26/15	SO	Soil	DP0377-SS-0085-01
C40509-36L	06/25/15	13:48	DG	06/26/15	SO	Soil	DP0377-SS-0085-01
C40509-37	06/25/15	14:30	DG	06/26/15	SO	Soil	DP0377-SS-0125-01
C40509-37L	06/25/15	14:30	DG	06/26/15	SO	Soil	DP0377-SS-0125-01
C40509-38	06/25/15	14:40	DG	06/26/15	SO	Soil	DP0377-SS-014-01
C40509-38L	06/25/15	14:40	DG	06/26/15	SO	Soil	DP0377-SS-014-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C40509
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/25/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

C40509-1 **DP0380-SS-0005-01**

No hits reported in this sample.

C40509-1L **DP0380-SS-0005-01**

No hits reported in this sample.

C40509-2 **DP0380-SS-0015-01**

No hits reported in this sample.

C40509-2L **DP0380-SS-0015-01**

No hits reported in this sample.

C40509-3 **DP0380-SS-005-01**

No hits reported in this sample.

C40509-3L **DP0380-SS-005-01**

No hits reported in this sample.

C40509-5 **DP0380-SS-012-01**

No hits reported in this sample.

C40509-5L **DP0380-SS-0012-01**

No hits reported in this sample.

C40509-6 **DP0381-SS-0005-01**

No hits reported in this sample.

C40509-6L **DP0381-SS-0005-01**

No hits reported in this sample.

C40509-7 **DP0381-SS-0015-01**

No hits reported in this sample.

Summary of Hits

Job Number: C40509
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/25/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

C40509-7L **DP0381-SS-0015-01**

No hits reported in this sample.

C40509-8 **DP0381-SS-005-01**

No hits reported in this sample.

C40509-8L **DP0381-SS-005-01**

No hits reported in this sample.

C40509-9 **DP0381-SS-009-01**

No hits reported in this sample.

C40509-9L **DP0381-SS-009-01**

No hits reported in this sample.

C40509-10 **DP0381-SS-012-01**

No hits reported in this sample.

C40509-10L **DP0381-SS-012-01**

No hits reported in this sample.

C40509-11 **DP0382-SS-0005-01**

No hits reported in this sample.

C40509-11L **DP0382-SS-0005-01**

No hits reported in this sample.

C40509-12 **DP0382-SS-0015-01**

No hits reported in this sample.

C40509-12L **DP0382-SS-0015-01**

No hits reported in this sample.

Summary of Hits

Job Number: C40509
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/25/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40509-13	**DP0382-SS-005-01**					
No hits reported in this sample.						
C40509-13L	**DP0382-SS-005-01**					
No hits reported in this sample.						
C40509-14	**DP0382-SS-009-01**					
No hits reported in this sample.						
C40509-14L	**DP0382-SS-009-01**					
No hits reported in this sample.						
C40509-15	**DP0382-SS-0012-01**					
No hits reported in this sample.						
C40509-15L	**DP0382-SS-0012-01**					
No hits reported in this sample.						
C40509-16	**DP0376-SS-001-01**					
Aroclor 1260		16.6 J	33	6.6	ug/kg	SW846 8082
C40509-16L	**DP0376-SS-001-01**					
No hits reported in this sample.						
C40509-17	**DP0376-SS-002-01**					
No hits reported in this sample.						
C40509-17L	**DP0376-SS-002-01**					
No hits reported in this sample.						
C40509-18	**DP0376-SS-0066-01**					
Aroclor 1260		11.0 J	33	6.6	ug/kg	SW846 8082
Chromium, Hexavalent		1.8	1.0		mg/kg	SW846 3060A/7196A

Summary of Hits

Job Number: C40509
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/25/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40509-18L	**DP0376-SS-0066-01**					
No hits reported in this sample.						
C40509-19	**DP0377-SS-001-01**					
Aroclor 1248 [a]		91.1	33	17	ug/kg	SW846 8082
Aroclor 1260 [a]		83.1	33	6.6	ug/kg	SW846 8082
C40509-19L	**DP0377-SS-001-01**					
No hits reported in this sample.						
C40509-20	**DP0377-SS-002-01**					
Aroclor 1260 [b]		36.1	33	6.6	ug/kg	SW846 8082
C40509-20L	**DP0377-SS-002-01**					
No hits reported in this sample.						
C40509-21	**DP0390-SS-001-01**					
cis-1,2-Dichloroethylene		46.9	4.8	1.1	ug/kg	SW846 8260B
1,1,1-Trichloroethane		3.4 J	4.8	0.48	ug/kg	SW846 8260B
Tetrachloroethylene		869	210	25	ug/kg	SW846 8260B
Trichloroethylene		470	210	21	ug/kg	SW846 8260B
bis(2-Ethylhexyl)phthalate [c]		3920 J	10000	2000	ug/kg	SW846 8270C
C40509-21L	**DP0390-SS-001-01**					
Benzene [d]		0.0048	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.00064 J	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		0.00054 J	0.0020	0.00020	mg/l	SW846 8260B
Toluene [d]		0.0088	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.0024	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.00081 J	0.0010	0.00020	mg/l	SW846 8260B
C40509-22	**DP0390-SS-002-01**					
Benzene		0.75 J	4.5	0.45	ug/kg	SW846 8260B
cis-1,2-Dichloroethylene		111	4.5	0.99	ug/kg	SW846 8260B
1,1,1-Trichloroethane		6.9	4.5	0.45	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene		1.5 J	4.5	0.90	ug/kg	SW846 8260B
Tetrachloroethylene		1520	220	26	ug/kg	SW846 8260B

Summary of Hits

Job Number: C40509
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/25/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichloroethylene		736	220	22	ug/kg	SW846 8260B
C40509-22L	**DP0390-SS-002-01**					
Benzene [d]		0.0018	0.0010	0.00020	mg/l	SW846 8260B
cis-1,2-Dichloroethylene [d]		0.00052 J	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.00026 J	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		0.00064 J	0.0020	0.00020	mg/l	SW846 8260B
Tetrachloroethylene [d]		0.0123	0.0010	0.00030	mg/l	SW846 8260B
Toluene [d]		0.0085	0.0010	0.00020	mg/l	SW846 8260B
Trichloroethylene [d]		0.0032	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.00090 J	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.00043 J	0.0010	0.00020	mg/l	SW846 8260B
C40509-23	**DP0390-SS-0055-01**					
Tetrachloroethylene		17.3	6.2	0.74	ug/kg	SW846 8260B
Trichloroethylene		3.0 J	6.2	0.62	ug/kg	SW846 8260B
C40509-23L	**DP0390-SS-0055-01**					
Benzene [d]		0.0029	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.00042 J	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		0.00076 J	0.0020	0.00020	mg/l	SW846 8260B
Tetrachloroethylene [d]		0.00066 J	0.0010	0.00030	mg/l	SW846 8260B
Toluene [d]		0.0097	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.0016	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.00061 J	0.0010	0.00020	mg/l	SW846 8260B
C40509-24	**DP0390-SS-007-01**					
Tetrachloroethylene		17.9	5.9	0.71	ug/kg	SW846 8260B
Trichloroethylene		4.8 J	5.9	0.59	ug/kg	SW846 8260B
C40509-24L	**DP0390-SS-007-01**					
1,2,4-Trimethylbenzene [d]		0.00046 J	0.0020	0.00020	mg/l	SW846 8260B
Tetrachloroethylene [d]		0.0047	0.0010	0.00030	mg/l	SW846 8260B
Toluene [d]		0.00031 J	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.00034 J	0.0010	0.00026	mg/l	SW846 8260B
C40509-25	**DP0390-SS-0085-01**					
cis-1,2-Dichloroethylene		7.8	6.4	1.4	ug/kg	SW846 8260B
1,1,1-Trichloroethane		2.3 J	6.4	0.64	ug/kg	SW846 8260B

Summary of Hits

Job Number: C40509
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/25/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Tetrachloroethylene		91.1	6.4	0.77	ug/kg	SW846 8260B
Trichloroethylene		36.9	6.4	0.64	ug/kg	SW846 8260B
C40509-25L	**DP0390-SS-0085-01**					
Benzene [d]		0.0119	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.0015	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		0.0015 J	0.0020	0.00020	mg/l	SW846 8260B
1,3,5-Trimethylbenzene [d]		0.00037 J	0.0020	0.00020	mg/l	SW846 8260B
Toluene [d]		0.0198	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.0062	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.0027	0.0010	0.00020	mg/l	SW846 8260B
C40509-26	**DP0389-SS-001-01**					
1,1,1-Trichloroethane		8610 J	29000	2900	ug/kg	SW846 8260B
Tetrachloroethylene		678000	29000	3400	ug/kg	SW846 8260B
Toluene		14400 J	29000	2900	ug/kg	SW846 8260B
Trichloroethylene		119000	29000	2900	ug/kg	SW846 8260B
m,p-Xylene		2910 J	29000	2900	ug/kg	SW846 8260B
bis(2-Ethylhexyl)phthalate [e]		1710	670	130	ug/kg	SW846 8270C
C40509-26L	**DP0389-SS-001-01**					
Benzene [d]		0.0023	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.0012	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		0.0036	0.0020	0.00020	mg/l	SW846 8260B
1,3,5-Trimethylbenzene [d]		0.00089 J	0.0020	0.00020	mg/l	SW846 8260B
Tetrachloroethylene [d]		0.00058 J	0.0010	0.00030	mg/l	SW846 8260B
Toluene [d]		0.0058	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.0052	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.0023	0.0010	0.00020	mg/l	SW846 8260B
C40509-27	**DP0389-SS-002-01**					
cis-1,2-Dichloroethylene		85.3 J	220	47	ug/kg	SW846 8260B
Tetrachloroethylene		902	220	26	ug/kg	SW846 8260B
Toluene		25.7 J	220	22	ug/kg	SW846 8260B
Trichloroethylene		840	220	22	ug/kg	SW846 8260B
C40509-27L	**DP0389-SS-002-01**					
Benzene [d]		0.00074 J	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.0096	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene		0.624	0.20	0.020	mg/l	SW846 8260B

Summary of Hits

Job Number: C40509
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/25/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
1,3,5-Trimethylbenzene		0.141 J	0.20	0.020	mg/l	SW846 8260B
Tetrachloroethylene [d]		0.00044 J	0.0010	0.00030	mg/l	SW846 8260B
Toluene [d]		0.0252	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.0492	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.0821	0.0010	0.00020	mg/l	SW846 8260B
C40509-28	**DP0389-SS-0055-01**					
Tetrachloroethylene		16.8	4.6	0.55	ug/kg	SW846 8260B
Trichloroethylene		3.7 J	4.6	0.46	ug/kg	SW846 8260B
C40509-28L	**DP0389-SS-0055-01**					
Benzene [d]		0.0030	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.0038	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		0.0250	0.0020	0.00020	mg/l	SW846 8260B
1,3,5-Trimethylbenzene [d]		0.0056	0.0020	0.00020	mg/l	SW846 8260B
Toluene [d]		0.0082	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.0191	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.010	0.0010	0.00020	mg/l	SW846 8260B
C40509-29	**DP0389-SS-007-01**					
Tetrachloroethylene		19.6	4.8	0.57	ug/kg	SW846 8260B
Trichloroethylene		3.0 J	4.8	0.48	ug/kg	SW846 8260B
C40509-29L	**DP0389-SS-007-01**					
Benzene [d]		0.0029	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.0012	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		0.0042	0.0020	0.00020	mg/l	SW846 8260B
1,3,5-Trimethylbenzene [d]		0.0012 J	0.0020	0.00020	mg/l	SW846 8260B
Toluene [d]		0.0068	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.0047	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.0022	0.0010	0.00020	mg/l	SW846 8260B
C40509-30	**DP0389-SS-0085-01**					
cis-1,2-Dichloroethylene		3.8 J	5.8	1.3	ug/kg	SW846 8260B
1,1,1-Trichloroethane		1.8 J	5.8	0.58	ug/kg	SW846 8260B
Tetrachloroethylene		61.9	5.8	0.70	ug/kg	SW846 8260B
Trichloroethylene		21.4	5.8	0.58	ug/kg	SW846 8260B

Summary of Hits

Job Number: C40509
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/25/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40509-30L	**DP0389-SS-0085-01**					
Benzene [d]		0.0023	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.00055 J	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		0.0048	0.0020	0.00020	mg/l	SW846 8260B
1,3,5-Trimethylbenzene [d]		0.0023	0.0020	0.00020	mg/l	SW846 8260B
Toluene [d]		0.0042	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.0018	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.0015	0.0010	0.00020	mg/l	SW846 8260B
C40509-31	**DP0388-SS-001-01**					
cis-1,2-Dichloroethylene		304 J	440	97	ug/kg	SW846 8260B
Tetrachloroethylene		4740	440	53	ug/kg	SW846 8260B
Trichloroethylene		1470	440	44	ug/kg	SW846 8260B
C40509-31L	**DP0388-SS-001-01**					
Benzene [d]		0.0025	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.00066 J	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		0.0055	0.0020	0.00020	mg/l	SW846 8260B
1,3,5-Trimethylbenzene [d]		0.0014 J	0.0020	0.00020	mg/l	SW846 8260B
Tetrachloroethylene [d]		0.0011	0.0010	0.00030	mg/l	SW846 8260B
Toluene [d]		0.0048	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.0032	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.0014	0.0010	0.00020	mg/l	SW846 8260B
C40509-32	**DP0388-SS-002-01**					
cis-1,2-Dichloroethylene		91.2 J	240	53	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene		170 J	240	48	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene		53.3 J	240	48	ug/kg	SW846 8260B
Tetrachloroethylene		1910	240	29	ug/kg	SW846 8260B
Trichloroethylene		660	240	24	ug/kg	SW846 8260B
C40509-32L	**DP0388-SS-002-01**					
Benzene [d]		0.00039 J	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		0.00024 J	0.0020	0.00020	mg/l	SW846 8260B
1,3,5-Trimethylbenzene [d]		0.00053 J	0.0020	0.00020	mg/l	SW846 8260B
Tetrachloroethylene [d]		0.0116	0.0010	0.00030	mg/l	SW846 8260B
Toluene [d]		0.00053 J	0.0010	0.00020	mg/l	SW846 8260B
Trichloroethylene [d]		0.0024	0.0010	0.00020	mg/l	SW846 8260B

Summary of Hits

Job Number: C40509
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/25/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40509-34	**DP0388-SS-007-01**					
cis-1,2-Dichloroethylene		1.9 J	6.6	1.4	ug/kg	SW846 8260B
1,1,1-Trichloroethane		0.72 J	6.6	0.66	ug/kg	SW846 8260B
Tetrachloroethylene		46.5	6.6	0.79	ug/kg	SW846 8260B
Trichloroethylene		13.4	6.6	0.66	ug/kg	SW846 8260B
C40509-34L	**DP0388-SS-007-01**					
Benzene [d]		0.0044	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.00054 J	0.0010	0.00020	mg/l	SW846 8260B
1,2,4-Trimethylbenzene [d]		0.00039 J	0.0020	0.00020	mg/l	SW846 8260B
Toluene [d]		0.0070	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.0017	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.00063 J	0.0010	0.00020	mg/l	SW846 8260B
C40509-35	**DP0388-SS-0085-01**					
cis-1,2-Dichloroethylene		3.1 J	5.4	1.2	ug/kg	SW846 8260B
1,1,1-Trichloroethane		1.5 J	5.4	0.54	ug/kg	SW846 8260B
Tetrachloroethylene		84.3	5.4	0.65	ug/kg	SW846 8260B
Trichloroethylene		23.1	5.4	0.54	ug/kg	SW846 8260B
C40509-35L	**DP0388-SS-0085-01**					
Benzene [d]		0.0016	0.0010	0.00020	mg/l	SW846 8260B
Ethylbenzene [d]		0.00027 J	0.0010	0.00020	mg/l	SW846 8260B
Tetrachloroethylene [d]		0.0049	0.0010	0.00030	mg/l	SW846 8260B
Toluene [d]		0.0027	0.0010	0.00020	mg/l	SW846 8260B
m,p-Xylene [d]		0.00075 J	0.0010	0.00026	mg/l	SW846 8260B
o-Xylene [d]		0.00032 J	0.0010	0.00020	mg/l	SW846 8260B
C40509-36	**DP0377-SS-0085-01**					
No hits reported in this sample.						
C40509-36L	**DP0377-SS-0085-01**					
No hits reported in this sample.						
C40509-37	**DP0377-SS-0125-01**					
No hits reported in this sample.						

Summary of Hits

Job Number: C40509
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/25/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

C40509-37L **DP0377-SS-0125-01**

No hits reported in this sample.

C40509-38 **DP0377-SS-014-01**

No hits reported in this sample.

C40509-38L **DP0377-SS-014-01**

No hits reported in this sample.

(a) Estimated value due to the presence of multiple overlapping Aroclor patterns. Reported from signal#1 due to CCV biased low on signal #2.
(b) Quantitation between primary and confirmation differed by > 40% RPD. Higher value reported on signal#1 due to CCV biased low on signal#2.
(c) Dilution required due to matrix interference. Extract would not concentrate (dark and viscous); and high concentration of non-target hydrocarbons.
(d) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.
(e) Internal standard recoveries (ISTD#2,#3,#4) outside control limits due to matrix interference (oily, dark and viscous extract; high concentration of non-target hydrocarbons). No target analytes associated with these internal standards.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	DP0380-SS-0005-01		
Lab Sample ID:	C40509-1	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	92.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54055.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2							

	Initial Weight
Run #1	5.54 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4.5	0.45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		75-125%
2037-26-5	Toluene-D8	98%		80-121%
460-00-4	4-Bromofluorobenzene	104%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0380-SS-0005-01		
Lab Sample ID:	C40509-1	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	92.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	7.9		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0380-SS-0005-01		
Lab Sample ID:	C40509-1L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	92.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54789.D	100	07/08/15	JC	07/01/15	OP12537	VW2017
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-117%
2037-26-5	Toluene-D8	105%		84-114%
460-00-4	4-Bromofluorobenzene	97%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0380-SS-0015-01		
Lab Sample ID:	C40509-2	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	79.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54056.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2							

	Initial Weight
Run #1	4.90 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	5.1	0.51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		75-125%
2037-26-5	Toluene-D8	99%		80-121%
460-00-4	4-Bromofluorobenzene	104%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0380-SS-0015-01		
Lab Sample ID:	C40509-2	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	79.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	20.3		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID: DP0380-SS-0015-01
Lab Sample ID: C40509-2L
Matrix: SO - Soil
Method: SW846 8260B SW846 1311
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Date Sampled: 06/25/15
Date Received: 06/26/15
Percent Solids: 79.7 [a]

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54791.D	100	07/08/15	JC	07/01/15	OP12537	VW2017
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-117%
2037-26-5	Toluene-D8	106%		84-114%
460-00-4	4-Bromofluorobenzene	96%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0380-SS-005-01		
Lab Sample ID:	C40509-3	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	87.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54057.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2							

	Initial Weight
Run #1	5.33 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4.7	0.47	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		75-125%
2037-26-5	Toluene-D8	98%		80-121%
460-00-4	4-Bromofluorobenzene	105%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0380-SS-005-01		
Lab Sample ID:	C40509-3	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	87.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	12.8		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0380-SS-005-01		
Lab Sample ID:	C40509-3L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54792.D	100	07/08/15	JC	07/01/15	OP12537	VW2017
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-117%
2037-26-5	Toluene-D8	105%		84-114%
460-00-4	4-Bromofluorobenzene	97%		84-112%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0380-SS-012-01		
Lab Sample ID:	C40509-5	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	81.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42491.D	1	07/07/15	XB	n/a	n/a	VL1274
Run #2							

	Initial Weight
Run #1	5.78 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4.3	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		75-125%
2037-26-5	Toluene-D8	92%		80-121%
460-00-4	4-Bromofluorobenzene	98%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0380-SS-012-01		
Lab Sample ID:	C40509-5	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	81.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	18.1		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0380-SS-0012-01		
Lab Sample ID:	C40509-5L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	81.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54812.D	100	07/09/15	JC	07/07/15	OP12571	VW2018
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-117%
2037-26-5	Toluene-D8	105%		84-114%
460-00-4	4-Bromofluorobenzene	97%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0381-SS-0005-01		
Lab Sample ID:	C40509-6	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	90.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42313.D	1	06/29/15	XB	n/a	n/a	VL1269
Run #2							

	Initial Weight
Run #1	5.48 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4.6	0.46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		75-125%
2037-26-5	Toluene-D8	102%		80-121%
460-00-4	4-Bromofluorobenzene	96%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0381-SS-0005-01		
Lab Sample ID:	C40509-6	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	90.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	9.8		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0381-SS-0005-01		
Lab Sample ID:	C40509-6L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	90.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54793.D	100	07/08/15	JC	07/01/15	OP12537	VW2017
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-117%
2037-26-5	Toluene-D8	105%		84-114%
460-00-4	4-Bromofluorobenzene	98%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0381-SS-0015-01		
Lab Sample ID:	C40509-7	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	80.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54058.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2							

	Initial Weight
Run #1	5.63 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4.4	0.44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		75-125%
2037-26-5	Toluene-D8	98%		80-121%
460-00-4	4-Bromofluorobenzene	105%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0381-SS-0015-01		
Lab Sample ID:	C40509-7	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	80.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	19.6		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0381-SS-0015-01		
Lab Sample ID:	C40509-7L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	80.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54794.D	100	07/08/15	JC	07/01/15	OP12537	VW2017
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-117%
2037-26-5	Toluene-D8	105%		84-114%
460-00-4	4-Bromofluorobenzene	98%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0381-SS-005-01		
Lab Sample ID:	C40509-8	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	86.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54059.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2							

	Initial Weight
Run #1	5.48 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4.6	0.46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		75-125%
2037-26-5	Toluene-D8	98%		80-121%
460-00-4	4-Bromofluorobenzene	106%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0381-SS-005-01		
Lab Sample ID:	C40509-8	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	86.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	13.1		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0381-SS-005-01		
Lab Sample ID:	C40509-8L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	86.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54795.D	100	07/08/15	JC	07/01/15	OP12537	VW2017
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-117%
2037-26-5	Toluene-D8	104%		84-114%
460-00-4	4-Bromofluorobenzene	97%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0381-SS-009-01		
Lab Sample ID:	C40509-9	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	86.6 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42492.D	1	07/07/15	XB	n/a	n/a	VL1274
Run #2							

	Initial Weight
Run #1	5.11 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4.9	0.49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		75-125%
2037-26-5	Toluene-D8	93%		80-121%
460-00-4	4-Bromofluorobenzene	96%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0381-SS-009-01		
Lab Sample ID:	C40509-9	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	86.6 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	13.4		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0381-SS-009-01		
Lab Sample ID:	C40509-9L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	86.6 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54813.D	100	07/09/15	JC	07/07/15	OP12571	VW2018
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-117%
2037-26-5	Toluene-D8	107%		84-114%
460-00-4	4-Bromofluorobenzene	97%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0381-SS-012-01		
Lab Sample ID:	C40509-10	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	83.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42493.D	1	07/07/15	XB	n/a	n/a	VL1274
Run #2							

	Initial Weight
Run #1	5.89 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4.2	0.42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		75-125%
2037-26-5	Toluene-D8	91%		80-121%
460-00-4	4-Bromofluorobenzene	79%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0381-SS-012-01		
Lab Sample ID:	C40509-10	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	83.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	16.5		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0381-SS-012-01		
Lab Sample ID:	C40509-10L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	83.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54814.D	100	07/09/15	JC	07/07/15	OP12571	VW2018
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-117%
2037-26-5	Toluene-D8	106%		84-114%
460-00-4	4-Bromofluorobenzene	97%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0382-SS-0005-01		
Lab Sample ID:	C40509-11	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	91.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54060.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2							

	Initial Weight
Run #1	3.69 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	6.8	0.68	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		75-125%
2037-26-5	Toluene-D8	96%		80-121%
460-00-4	4-Bromofluorobenzene	104%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0382-SS-0005-01		
Lab Sample ID:	C40509-11	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	91.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	8.6		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0382-SS-0005-01		
Lab Sample ID:	C40509-11L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54796.D	100	07/08/15	JC	07/01/15	OP12537	VW2017
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-117%
2037-26-5	Toluene-D8	108%		84-114%
460-00-4	4-Bromofluorobenzene	97%		84-112%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0382-SS-0015-01		
Lab Sample ID:	C40509-12	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	79.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54061.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2							

	Initial Weight
Run #1	5.80 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4.3	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		75-125%
2037-26-5	Toluene-D8	99%		80-121%
460-00-4	4-Bromofluorobenzene	107%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0382-SS-0015-01		
Lab Sample ID:	C40509-12	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	79.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	20.6		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0382-SS-0015-01		
Lab Sample ID:	C40509-12L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	79.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54797.D	100	07/08/15	JC	07/01/15	OP12537	VW2017
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-117%
2037-26-5	Toluene-D8	107%		84-114%
460-00-4	4-Bromofluorobenzene	100%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0382-SS-005-01		
Lab Sample ID:	C40509-13	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	86.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54062.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2							

	Initial Weight
Run #1	5.15 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4.9	0.49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	118%		75-125%
2037-26-5	Toluene-D8	99%		80-121%
460-00-4	4-Bromofluorobenzene	105%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0382-SS-005-01		
Lab Sample ID:	C40509-13	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	86.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	13.5		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0382-SS-005-01		
Lab Sample ID:	C40509-13L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	86.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54815.D	100	07/09/15	JC	07/07/15	OP12571	VW2018
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-117%
2037-26-5	Toluene-D8	106%		84-114%
460-00-4	4-Bromofluorobenzene	97%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0382-SS-009-01		
Lab Sample ID:	C40509-14	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	86.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42494.D	1	07/07/15	XB	n/a	n/a	VL1274
Run #2							

	Initial Weight
Run #1	4.07 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	6.1	0.61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		75-125%
2037-26-5	Toluene-D8	93%		80-121%
460-00-4	4-Bromofluorobenzene	100%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0382-SS-009-01		
Lab Sample ID:	C40509-14	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	86.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	13.9		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0382-SS-009-01		
Lab Sample ID:	C40509-14L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	86.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54816.D	100	07/09/15	JC	07/07/15	OP12571	VW2018
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-117%
2037-26-5	Toluene-D8	104%		84-114%
460-00-4	4-Bromofluorobenzene	98%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0382-SS-0012-01		
Lab Sample ID:	C40509-15	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	82.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42495.D	1	07/07/15	XB	n/a	n/a	VL1274
Run #2							

	Initial Weight
Run #1	5.63 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	4.4	0.44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		75-125%
2037-26-5	Toluene-D8	81%		80-121%
460-00-4	4-Bromofluorobenzene	101%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0382-SS-0012-01		
Lab Sample ID:	C40509-15	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	82.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	17.7		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: DP0382-SS-0012-01
Lab Sample ID: C40509-15L
Matrix: SO - Soil
Method: SW846 8260B SW846 1311
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Date Sampled: 06/25/15
Date Received: 06/26/15
Percent Solids: 82.3 [a]

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W54817.D	100	07/09/15	JC	07/07/15	OP12571	VW2018
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
76-13-1	Freon 113	ND		0.20	0.020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-117%
2037-26-5	Toluene-D8	106%		84-114%
460-00-4	4-Bromofluorobenzene	96%		84-112%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0376-SS-001-01		
Lab Sample ID:	C40509-16	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	89.6 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042645.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	16	ug/kg	
11141-16-5	Aroclor 1232	ND	33	16	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	16	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	16.6	33	6.6	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		44-135%
877-09-8	Tetrachloro-m-xylene	68%		44-135%
2051-24-3	Decachlorobiphenyl	61%		31-163%
2051-24-3	Decachlorobiphenyl	61%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0376-SS-001-01		
Lab Sample ID:	C40509-16	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	89.6 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	10.4		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0376-SS-001-01		
Lab Sample ID:	C40509-16L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	89.6 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	PP042876.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

PCB List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND		0.00020	0.000023	mg/l	
11104-28-2	Aroclor 1221	ND		0.00020	0.000084	mg/l	
11141-16-5	Aroclor 1232	ND		0.00020	0.000022	mg/l	
53469-21-9	Aroclor 1242	ND		0.00020	0.000044	mg/l	
12672-29-6	Aroclor 1248	ND		0.00020	0.000056	mg/l	
11097-69-1	Aroclor 1254	ND		0.00020	0.000018	mg/l	
11096-82-5	Aroclor 1260	ND		0.00020	0.000017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		28-116%
877-09-8	Tetrachloro-m-xylene	49%		28-116%
2051-24-3	Decachlorobiphenyl	13% [c]		36-121%
2051-24-3	Decachlorobiphenyl	18% [c]		36-121%

(a) All results reported on wet weight basis.
(b) SPLP#GP8047.
(c) Outside control limits due to matrix interference (emulsion formed during extraction process).

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0376-SS-001-01		
Lab Sample ID:	C40509-16L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	89.6 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/02/15 10:21	PH	SW846 7196A

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0376-SS-002-01		
Lab Sample ID:	C40509-17	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	88.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042646.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		44-135%
877-09-8	Tetrachloro-m-xylene	82%		44-135%
2051-24-3	Decachlorobiphenyl	67%		31-163%
2051-24-3	Decachlorobiphenyl	55%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0376-SS-002-01		
Lab Sample ID:	C40509-17	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	88.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	12		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0376-SS-002-01		
Lab Sample ID:	C40509-17L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	88.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/02/15 10:21	PH	SW846 7196A

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID: DP0376-SS-0066-01
Lab Sample ID: C40509-18 **Date Sampled:** 06/25/15
Matrix: SO - Soil **Date Received:** 06/26/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 87.5 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042647.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	16	ug/kg	
11141-16-5	Aroclor 1232	ND	33	16	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	16	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	11.0	33	6.6	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		44-135%
877-09-8	Tetrachloro-m-xylene	91%		44-135%
2051-24-3	Decachlorobiphenyl	67%		31-163%
2051-24-3	Decachlorobiphenyl	55%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0376-SS-0066-01		
Lab Sample ID:	C40509-18	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	87.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	1.8	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	12.5		%	1	07/06/15 18:30	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	DP0376-SS-0066-01		
Lab Sample ID:	C40509-18L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	87.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	PP042877.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

PCB List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND		0.00020	0.000023	mg/l	
11104-28-2	Aroclor 1221	ND		0.00020	0.000084	mg/l	
11141-16-5	Aroclor 1232	ND		0.00020	0.000022	mg/l	
53469-21-9	Aroclor 1242	ND		0.00020	0.000044	mg/l	
12672-29-6	Aroclor 1248	ND		0.00020	0.000056	mg/l	
11097-69-1	Aroclor 1254	ND		0.00020	0.000018	mg/l	
11096-82-5	Aroclor 1260	ND		0.00020	0.000017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		28-116%
877-09-8	Tetrachloro-m-xylene	55%		28-116%
2051-24-3	Decachlorobiphenyl	63%		36-121%
2051-24-3	Decachlorobiphenyl	81%		36-121%

(a) All results reported on wet weight basis.
(b) SPLP#GP8047.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DP0376-SS-0066-01		
Lab Sample ID:	C40509-18L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	87.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/02/15 10:21	PH	SW846 7196A

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0377-SS-001-01		
Lab Sample ID:	C40509-19	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	89.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042648.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248 [b]	91.1	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260 [b]	83.1	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		44-135%
877-09-8	Tetrachloro-m-xylene	96%		44-135%
2051-24-3	Decachlorobiphenyl	61%		31-163%
2051-24-3	Decachlorobiphenyl	58%		31-163%

(a) All results reported on wet weight basis.
(b) Estimated value due to the presence of multiple overlapping Aroclor patterns. Reported from signal#1 due to CCV biased low on signal #2.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0377-SS-001-01		
Lab Sample ID:	C40509-19	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	89.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	10.5		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0377-SS-001-01		
Lab Sample ID:	C40509-19L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	89.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	PP042878.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

PCB List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND		0.00020	0.000023	mg/l	
11104-28-2	Aroclor 1221	ND		0.00020	0.000084	mg/l	
11141-16-5	Aroclor 1232	ND		0.00020	0.000022	mg/l	
53469-21-9	Aroclor 1242	ND		0.00020	0.000044	mg/l	
12672-29-6	Aroclor 1248	ND		0.00020	0.000056	mg/l	
11097-69-1	Aroclor 1254	ND		0.00020	0.000018	mg/l	
11096-82-5	Aroclor 1260	ND		0.00020	0.000017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		28-116%
877-09-8	Tetrachloro-m-xylene	52%		28-116%
2051-24-3	Decachlorobiphenyl	17% [c]		36-121%
2051-24-3	Decachlorobiphenyl	23% [c]		36-121%

(a) All results reported on wet weight basis.
(b) SPLP#GP8047.
(c) Outside control limits due to matrix interference (emulsion formed during extraction process).

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0377-SS-001-01		
Lab Sample ID:	C40509-19L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	89.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/02/15 10:21	PH	SW846 7196A

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0377-SS-002-01		
Lab Sample ID:	C40509-20	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	86.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042649.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260 [b]	36.1	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		44-135%
877-09-8	Tetrachloro-m-xylene	81%		44-135%
2051-24-3	Decachlorobiphenyl	63%		31-163%
2051-24-3	Decachlorobiphenyl	58%		31-163%

(a) All results reported on wet weight basis.
(b) Quantitation between primary and confirmation differed by > 40% RPD. Higher value reported on signal#1 due to CCV biased low on signal#2.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0377-SS-002-01		
Lab Sample ID:	C40509-20	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	86.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	13.3		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0377-SS-002-01		
Lab Sample ID:	C40509-20L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	86.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	PP042879.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

PCB List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND		0.00020	0.000023	mg/l	
11104-28-2	Aroclor 1221	ND		0.00020	0.000084	mg/l	
11141-16-5	Aroclor 1232	ND		0.00020	0.000022	mg/l	
53469-21-9	Aroclor 1242	ND		0.00020	0.000044	mg/l	
12672-29-6	Aroclor 1248	ND		0.00020	0.000056	mg/l	
11097-69-1	Aroclor 1254	ND		0.00020	0.000018	mg/l	
11096-82-5	Aroclor 1260	ND		0.00020	0.000017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		28-116%
877-09-8	Tetrachloro-m-xylene	59%		28-116%
2051-24-3	Decachlorobiphenyl	25% [c]		36-121%
2051-24-3	Decachlorobiphenyl	34% [c]		36-121%

(a) All results reported on wet weight basis.
(b) SPLP#GP8047.
(c) Outside control limits due to matrix interference (emulsion formed during extraction process).

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0377-SS-002-01		
Lab Sample ID:	C40509-20L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	86.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	06/30/15	PH	SW846 7196A

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0390-SS-001-01		
Lab Sample ID:	C40509-21	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	82.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54063.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2	M54097.D	1	06/30/15	XB	n/a	n/a	VM1633

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.20 g		
Run #2	5.91 g	5.0 ml	100 ul

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.8	0.48	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	46.9	4.8	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.48	ug/kg	
71-55-6	1,1,1-Trichloroethane	3.4	4.8	0.48	ug/kg	J
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.96	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.96	ug/kg	
127-18-4	Tetrachloroethylene	869 [b]	210	25	ug/kg	
108-88-3	Toluene	ND	4.8	0.48	ug/kg	
79-01-6	Trichloroethylene	470 [b]	210	21	ug/kg	
	m,p-Xylene	ND	4.8	0.48	ug/kg	
95-47-6	o-Xylene	ND	4.8	0.48	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	99%	75-125%
2037-26-5	Toluene-D8	101%	98%	80-121%
460-00-4	4-Bromofluorobenzene	102%	103%	71-126%

(a) All results reported on wet weight basis.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-001-01		
Lab Sample ID:	C40509-21	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	Y31741.D	20	07/02/15	MT	07/01/15	OP12535	EY1463
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.5 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	3920	10000	2000	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%		19-110%
4165-62-2	Phenol-d5	84%		25-113%
118-79-6	2,4,6-Tribromophenol	84%		25-140%
4165-60-0	Nitrobenzene-d5	75%		22-110%
321-60-8	2-Fluorobiphenyl	92%		28-116%
1718-51-0	Terphenyl-d14	98%		59-139%

(a) All results reported on wet weight basis.
(b) Dilution required due to matrix interference. Extract would not concentrate (dark and viscous); and high concentration of non-target hydrocarbons.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-001-01		
Lab Sample ID:	C40509-21	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	82.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	18		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0390-SS-001-01		
Lab Sample ID:	C40509-21L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	82.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	R35815.D	1	07/22/15	TN	07/07/15	OP12571	VR1352
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0048		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.00064		0.0010	0.00020	mg/l	J
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00054		0.0020	0.00020	mg/l	J
108-67-8	1,3,5-Trimethylbenzene	ND		0.0020	0.00020	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00030	mg/l	
108-88-3	Toluene	0.0088		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.0024		0.0010	0.00026	mg/l	
95-47-6	o-Xylene	0.00081		0.0010	0.00020	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		80-117%
2037-26-5	Toluene-D8	102%		84-114%
460-00-4	4-Bromofluorobenzene	96%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-001-01		
Lab Sample ID:	C40509-21L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	82.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11089.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		10-110%
4165-62-2	Phenol-d5	35%		10-110%
118-79-6	2,4,6-Tribromophenol	89%		44-141%
4165-60-0	Nitrobenzene-d5	65%		30-116%
321-60-8	2-Fluorobiphenyl	73%		31-124%
1718-51-0	Terphenyl-d14	87%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-002-01		
Lab Sample ID:	C40509-22	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	80.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54064.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2	M54098.D	1	06/30/15	XB	n/a	n/a	VM1633

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.53 g		
Run #2	5.69 g	5.0 ml	100 ul

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.75	4.5	0.45	ug/kg	J
156-59-2	cis-1,2-Dichloroethylene	111	4.5	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	4.5	0.45	ug/kg	
71-55-6	1,1,1-Trichloroethane	6.9	4.5	0.45	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	1.5	4.5	0.90	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	4.5	0.90	ug/kg	
127-18-4	Tetrachloroethylene	1520 [b]	220	26	ug/kg	
108-88-3	Toluene	ND	4.5	0.45	ug/kg	
79-01-6	Trichloroethylene	736 [b]	220	22	ug/kg	
	m,p-Xylene	ND	4.5	0.45	ug/kg	
95-47-6	o-Xylene	ND	4.5	0.45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	97%	75-125%
2037-26-5	Toluene-D8	101%	99%	80-121%
460-00-4	4-Bromofluorobenzene	102%	103%	71-126%

(a) All results reported on wet weight basis.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-002-01		
Lab Sample ID:	C40509-22	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31753.D	1	07/02/15	MT	07/01/15	OP12535	EY1463
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		19-110%
4165-62-2	Phenol-d5	75%		25-113%
118-79-6	2,4,6-Tribromophenol	109%		25-140%
4165-60-0	Nitrobenzene-d5	72%		22-110%
321-60-8	2-Fluorobiphenyl	82%		28-116%
1718-51-0	Terphenyl-d14	115%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DP0390-SS-002-01		
Lab Sample ID:	C40509-22	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	80.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	19.9		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0390-SS-002-01		
Lab Sample ID:	C40509-22L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	80.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	R35816.D	1	07/22/15	TN	07/07/15	OP12571	VR1352
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0018		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00052		0.0010	0.00020	mg/l	J
100-41-4	Ethylbenzene	0.00026		0.0010	0.00020	mg/l	J
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00064		0.0020	0.00020	mg/l	J
108-67-8	1,3,5-Trimethylbenzene	ND		0.0020	0.00020	mg/l	
127-18-4	Tetrachloroethylene	0.0123		0.0010	0.00030	mg/l	
108-88-3	Toluene	0.0085		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	0.0032		0.0010	0.00020	mg/l	
	m,p-Xylene	0.00090		0.0010	0.00026	mg/l	J
95-47-6	o-Xylene	0.00043		0.0010	0.00020	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-117%
2037-26-5	Toluene-D8	101%		84-114%
460-00-4	4-Bromofluorobenzene	94%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-002-01		
Lab Sample ID:	C40509-22L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	80.1 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11090.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-110%
4165-62-2	Phenol-d5	30%		10-110%
118-79-6	2,4,6-Tribromophenol	81%		44-141%
4165-60-0	Nitrobenzene-d5	62%		30-116%
321-60-8	2-Fluorobiphenyl	68%		31-124%
1718-51-0	Terphenyl-d14	91%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-0055-01		
Lab Sample ID:	C40509-23	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	86.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42496.D	1	07/07/15	XB	n/a	n/a	VL1274
Run #2							

	Initial Weight
Run #1	4.05 g
Run #2	

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	6.2	0.62	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	0.62	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	0.62	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.2	ug/kg	
127-18-4	Tetrachloroethylene	17.3	6.2	0.74	ug/kg	
108-88-3	Toluene	ND	6.2	0.62	ug/kg	
79-01-6	Trichloroethylene	3.0	6.2	0.62	ug/kg	J
	m,p-Xylene	ND	6.2	0.62	ug/kg	
95-47-6	o-Xylene	ND	6.2	0.62	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		75-125%
2037-26-5	Toluene-D8	92%		80-121%
460-00-4	4-Bromofluorobenzene	101%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-0055-01		
Lab Sample ID:	C40509-23	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31777.D	1	07/06/15	MT	07/02/15	OP12535	EY1464
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		19-110%
4165-62-2	Phenol-d5	68%		25-113%
118-79-6	2,4,6-Tribromophenol	97%		25-140%
4165-60-0	Nitrobenzene-d5	65%		22-110%
321-60-8	2-Fluorobiphenyl	71%		28-116%
1718-51-0	Terphenyl-d14	80%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DP0390-SS-0055-01		
Lab Sample ID:	C40509-23	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	86.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	13.7		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0390-SS-0055-01		
Lab Sample ID:	C40509-23L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	86.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	V26930.D	1	07/22/15	JC	07/08/15	OP12588	VV1084
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0029		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.00042		0.0010	0.00020	mg/l	J
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00076		0.0020	0.00020	mg/l	J
108-67-8	1,3,5-Trimethylbenzene	ND		0.0020	0.00020	mg/l	
127-18-4	Tetrachloroethylene	0.00066		0.0010	0.00030	mg/l	J
108-88-3	Toluene	0.0097		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.0016		0.0010	0.00026	mg/l	
95-47-6	o-Xylene	0.00061		0.0010	0.00020	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		80-117%
2037-26-5	Toluene-D8	92%		84-114%
460-00-4	4-Bromofluorobenzene	94%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-0055-01		
Lab Sample ID:	C40509-23L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	86.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11091.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-110%
4165-62-2	Phenol-d5	36%		10-110%
118-79-6	2,4,6-Tribromophenol	88%		44-141%
4165-60-0	Nitrobenzene-d5	75%		30-116%
321-60-8	2-Fluorobiphenyl	82%		31-124%
1718-51-0	Terphenyl-d14	92%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-007-01		
Lab Sample ID:	C40509-24	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	87.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54096.D	1	06/30/15	XB	n/a	n/a	VM1633
Run #2							

	Initial Weight
Run #1	4.21 g
Run #2	

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.9	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	0.59	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	0.59	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	17.9	5.9	0.71	ug/kg	
108-88-3	Toluene	ND	5.9	0.59	ug/kg	
79-01-6	Trichloroethylene	4.8	5.9	0.59	ug/kg	J
	m,p-Xylene	ND	5.9	0.59	ug/kg	
95-47-6	o-Xylene	ND	5.9	0.59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		75-125%
2037-26-5	Toluene-D8	99%		80-121%
460-00-4	4-Bromofluorobenzene	108%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-007-01		
Lab Sample ID:	C40509-24	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31763.D	1	07/06/15	MT	07/01/15	OP12535	EY1464
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%		19-110%
4165-62-2	Phenol-d5	81%		25-113%
118-79-6	2,4,6-Tribromophenol	107%		25-140%
4165-60-0	Nitrobenzene-d5	78%		22-110%
321-60-8	2-Fluorobiphenyl	85%		28-116%
1718-51-0	Terphenyl-d14	90%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-007-01		
Lab Sample ID:	C40509-24	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	87.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	13		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0390-SS-007-01		
Lab Sample ID:	C40509-24L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	87.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	V26931.D	1	07/22/15	JC	07/08/15	OP12588	VV1084
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046		0.0020	0.00020	mg/l	J
108-67-8	1,3,5-Trimethylbenzene	ND		0.0020	0.00020	mg/l	
127-18-4	Tetrachloroethylene	0.0047		0.0010	0.00030	mg/l	
108-88-3	Toluene	0.00031		0.0010	0.00020	mg/l	J
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.00034		0.0010	0.00026	mg/l	J
95-47-6	o-Xylene	ND		0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		80-117%
2037-26-5	Toluene-D8	94%		84-114%
460-00-4	4-Bromofluorobenzene	95%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-007-01		
Lab Sample ID:	C40509-24L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	87.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11092.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		10-110%
4165-62-2	Phenol-d5	37%		10-110%
118-79-6	2,4,6-Tribromophenol	84%		44-141%
4165-60-0	Nitrobenzene-d5	73%		30-116%
321-60-8	2-Fluorobiphenyl	81%		31-124%
1718-51-0	Terphenyl-d14	83%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-0085-01		
Lab Sample ID:	C40509-25	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	76.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42497.D	1	07/07/15	XB	n/a	n/a	VL1274
Run #2							

	Initial Weight
Run #1	3.88 g
Run #2	

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	6.4	0.64	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	7.8	6.4	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	0.64	ug/kg	
71-55-6	1,1,1-Trichloroethane	2.3	6.4	0.64	ug/kg	J
95-63-6	1,2,4-Trimethylbenzene	ND	6.4	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.3	ug/kg	
127-18-4	Tetrachloroethylene	91.1	6.4	0.77	ug/kg	
108-88-3	Toluene	ND	6.4	0.64	ug/kg	
79-01-6	Trichloroethylene	36.9	6.4	0.64	ug/kg	
	m,p-Xylene	ND	6.4	0.64	ug/kg	
95-47-6	o-Xylene	ND	6.4	0.64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		75-125%
2037-26-5	Toluene-D8	95%		80-121%
460-00-4	4-Bromofluorobenzene	80%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-0085-01		
Lab Sample ID:	C40509-25	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	76.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31778.D	1	07/06/15	MT	07/02/15	OP12535	EY1464
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		19-110%
4165-62-2	Phenol-d5	72%		25-113%
118-79-6	2,4,6-Tribromophenol	99%		25-140%
4165-60-0	Nitrobenzene-d5	68%		22-110%
321-60-8	2-Fluorobiphenyl	71%		28-116%
1718-51-0	Terphenyl-d14	81%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DP0390-SS-0085-01		
Lab Sample ID:	C40509-25	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	76.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	23.7		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0390-SS-0085-01		
Lab Sample ID:	C40509-25L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	76.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	V26932.D	1	07/22/15	JC	07/08/15	OP12588	VV1084
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0119		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0015		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.0015		0.0020	0.00020	mg/l	J
108-67-8	1,3,5-Trimethylbenzene	0.00037		0.0020	0.00020	mg/l	J
127-18-4	Tetrachloroethylene	ND		0.0010	0.00030	mg/l	
108-88-3	Toluene	0.0198		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.0062		0.0010	0.00026	mg/l	
95-47-6	o-Xylene	0.0027		0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-117%
2037-26-5	Toluene-D8	96%		84-114%
460-00-4	4-Bromofluorobenzene	98%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0390-SS-0085-01		
Lab Sample ID:	C40509-25L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	76.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11093.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-110%
4165-62-2	Phenol-d5	30%		10-110%
118-79-6	2,4,6-Tribromophenol	84%		44-141%
4165-60-0	Nitrobenzene-d5	68%		30-116%
321-60-8	2-Fluorobiphenyl	77%		31-124%
1718-51-0	Terphenyl-d14	80%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-001-01		
Lab Sample ID:	C40509-26	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	81.8 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54099.D	1	06/30/15	XB	n/a	n/a	VM1633
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g	5.0 ml	0.80 ul
Run #2			

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	29000	2900	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	29000	6300	ug/kg	
100-41-4	Ethylbenzene	ND	29000	2900	ug/kg	
71-55-6	1,1,1-Trichloroethane	8610	29000	2900	ug/kg	J
95-63-6	1,2,4-Trimethylbenzene	ND	29000	5700	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	29000	5700	ug/kg	
127-18-4	Tetrachloroethylene	678000	29000	3400	ug/kg	
108-88-3	Toluene	14400	29000	2900	ug/kg	J
79-01-6	Trichloroethylene	119000	29000	2900	ug/kg	
	m,p-Xylene	2910	29000	2900	ug/kg	J
95-47-6	o-Xylene	ND	29000	2900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		75-125%
2037-26-5	Toluene-D8	100%		80-121%
460-00-4	4-Bromofluorobenzene	104%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-001-01		
Lab Sample ID:	C40509-26	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.8 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	Y31742.D	2	07/02/15	MT	07/01/15	OP12535	EY1463
Run #2	Y31751.D	200	07/02/15	MT	07/01/15	OP12535	EY1463

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2	30.1 g	1.0 ml

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	1710	670	130	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%	52%	19-110%
4165-62-2	Phenol-d5	79%	53%	25-113%
118-79-6	2,4,6-Tribromophenol	125%	39%	25-140%
4165-60-0	Nitrobenzene-d5	86%	74%	22-110%
321-60-8	2-Fluorobiphenyl	96%	80%	28-116%
1718-51-0	Terphenyl-d14	78%	87%	59-139%

(a) All results reported on wet weight basis.
(b) Internal standard recoveries (ISTD#2,#3,#4) outside control limits due to matrix interference (oily, dark and viscous extract; high concentration of non-target hydrocarbons). No target analytes associated with these internal standards.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-001-01		
Lab Sample ID:	C40509-26	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	81.8 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	18.2		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0389-SS-001-01		
Lab Sample ID:	C40509-26L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	81.8 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	V26933.D	1	07/22/15	JC	07/08/15	OP12588	VV1084
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0023		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0012		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.0036		0.0020	0.00020	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00089		0.0020	0.00020	mg/l	J
127-18-4	Tetrachloroethylene	0.00058		0.0010	0.00030	mg/l	J
108-88-3	Toluene	0.0058		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.0052		0.0010	0.00026	mg/l	
95-47-6	o-Xylene	0.0023		0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		80-117%
2037-26-5	Toluene-D8	98%		84-114%
460-00-4	4-Bromofluorobenzene	96%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-001-01		
Lab Sample ID:	C40509-26L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	81.8 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11094.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		10-110%
4165-62-2	Phenol-d5	26%		10-110%
118-79-6	2,4,6-Tribromophenol	40% [c]		44-141%
4165-60-0	Nitrobenzene-d5	69%		30-116%
321-60-8	2-Fluorobiphenyl	77%		31-124%
1718-51-0	Terphenyl-d14	80%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.
(c) Outside of control limits due matrix interference (heavy emulsion formed during extraction process).

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-002-01		
Lab Sample ID:	C40509-27	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	79.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54100.D	1	06/30/15	XB	n/a	n/a	VM1633
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.81 g	5.0 ml	100 ul
Run #2			

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	220	22	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	85.3	220	47	ug/kg	J
100-41-4	Ethylbenzene	ND	220	22	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	220	22	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	220	43	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	220	43	ug/kg	
127-18-4	Tetrachloroethylene	902	220	26	ug/kg	
108-88-3	Toluene	25.7	220	22	ug/kg	J
79-01-6	Trichloroethylene	840	220	22	ug/kg	
	m,p-Xylene	ND	220	22	ug/kg	
95-47-6	o-Xylene	ND	220	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		75-125%
2037-26-5	Toluene-D8	96%		80-121%
460-00-4	4-Bromofluorobenzene	107%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-002-01		
Lab Sample ID:	C40509-27	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31773.D	1	07/06/15	MT	07/01/15	OP12535	EY1464
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		19-110%
4165-62-2	Phenol-d5	86%		25-113%
118-79-6	2,4,6-Tribromophenol	115%		25-140%
4165-60-0	Nitrobenzene-d5	82%		22-110%
321-60-8	2-Fluorobiphenyl	91%		28-116%
1718-51-0	Terphenyl-d14	102%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-002-01		
Lab Sample ID:	C40509-27	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	79.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	20.3		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID: DP0389-SS-002-01
Lab Sample ID: C40509-27L
Matrix: SO - Soil
Method: SW846 8260B SW846 1311
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Date Sampled: 06/25/15
Date Received: 06/26/15
Percent Solids: 79.7 [a]

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	V26934.D	1	07/22/15	JC	07/08/15	OP12588	VV1084
Run #2	W54860.D	100	07/10/15	JC	07/08/15	OP12588	VW2020

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.00074		0.0010	0.00020	mg/l	J
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0096		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.624 [c]		0.20	0.020	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.141 [c]		0.20	0.020	mg/l	J
127-18-4	Tetrachloroethylene	0.00044		0.0010	0.00030	mg/l	J
108-88-3	Toluene	0.0252		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.0492		0.0010	0.00026	mg/l	
95-47-6	o-Xylene	0.0821		0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	107%	80-117%
2037-26-5	Toluene-D8	98%	104%	84-114%
460-00-4	4-Bromofluorobenzene	98%	97%	84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-002-01		
Lab Sample ID:	C40509-27L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	79.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11095.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-110%
4165-62-2	Phenol-d5	29%		10-110%
118-79-6	2,4,6-Tribromophenol	78%		44-141%
4165-60-0	Nitrobenzene-d5	73%		30-116%
321-60-8	2-Fluorobiphenyl	82%		31-124%
1718-51-0	Terphenyl-d14	84%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DP0389-SS-0055-01
Lab Sample ID: C40509-28 **Date Sampled:** 06/25/15
Matrix: SO - Soil **Date Received:** 06/26/15
Method: SW846 8260B **Percent Solids:** 84.9 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54286.D	1	07/08/15	XB	n/a	n/a	VM1638
Run #2							

	Initial Weight
Run #1	5.49 g
Run #2	

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.6	0.46	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.6	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	4.6	0.46	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.6	0.46	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.6	0.91	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.6	0.91	ug/kg	
127-18-4	Tetrachloroethylene	16.8	4.6	0.55	ug/kg	
108-88-3	Toluene	ND	4.6	0.46	ug/kg	
79-01-6	Trichloroethylene	3.7	4.6	0.46	ug/kg	J
	m,p-Xylene	ND	4.6	0.46	ug/kg	
95-47-6	o-Xylene	ND	4.6	0.46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		75-125%
2037-26-5	Toluene-D8	101%		80-121%
460-00-4	4-Bromofluorobenzene	103%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-0055-01		
Lab Sample ID:	C40509-28	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31779.D	1	07/06/15	MT	07/02/15	OP12535	EY1464
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		19-110%
4165-62-2	Phenol-d5	75%		25-113%
118-79-6	2,4,6-Tribromophenol	100%		25-140%
4165-60-0	Nitrobenzene-d5	68%		22-110%
321-60-8	2-Fluorobiphenyl	70%		28-116%
1718-51-0	Terphenyl-d14	86%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-0055-01		
Lab Sample ID:	C40509-28	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	84.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	15.1		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	DP0389-SS-0055-01		
Lab Sample ID:	C40509-28L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	84.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	V26935.D	1	07/22/15	JC	07/08/15	OP12588	VV1084
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0030		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0038		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.0250		0.0020	0.00020	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.0056		0.0020	0.00020	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00030	mg/l	
108-88-3	Toluene	0.0082		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.0191		0.0010	0.00026	mg/l	
95-47-6	o-Xylene	0.010		0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-117%
2037-26-5	Toluene-D8	100%		84-114%
460-00-4	4-Bromofluorobenzene	101%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-0055-01		
Lab Sample ID:	C40509-28L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	84.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11096.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-110%
4165-62-2	Phenol-d5	31%		10-110%
118-79-6	2,4,6-Tribromophenol	86%		44-141%
4165-60-0	Nitrobenzene-d5	73%		30-116%
321-60-8	2-Fluorobiphenyl	81%		31-124%
1718-51-0	Terphenyl-d14	85%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DP0389-SS-007-01
Lab Sample ID: C40509-29 **Date Sampled:** 06/25/15
Matrix: SO - Soil **Date Received:** 06/26/15
Method: SW846 8260B **Percent Solids:** 84.4 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L42314.D	1	06/29/15	XB	n/a	n/a	VL1269
Run #2							

	Initial Weight
Run #1	5.23 g
Run #2	

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.8	0.48	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.8	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.48	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	0.48	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.96	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.96	ug/kg	
127-18-4	Tetrachloroethylene	19.6	4.8	0.57	ug/kg	
108-88-3	Toluene	ND	4.8	0.48	ug/kg	
79-01-6	Trichloroethylene	3.0	4.8	0.48	ug/kg	J
	m,p-Xylene	ND	4.8	0.48	ug/kg	
95-47-6	o-Xylene	ND	4.8	0.48	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		75-125%
2037-26-5	Toluene-D8	102%		80-121%
460-00-4	4-Bromofluorobenzene	96%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-007-01		
Lab Sample ID:	C40509-29	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31774.D	1	07/06/15	MT	07/01/15	OP12535	EY1464
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		19-110%
4165-62-2	Phenol-d5	71%		25-113%
118-79-6	2,4,6-Tribromophenol	102%		25-140%
4165-60-0	Nitrobenzene-d5	66%		22-110%
321-60-8	2-Fluorobiphenyl	77%		28-116%
1718-51-0	Terphenyl-d14	85%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-007-01		
Lab Sample ID:	C40509-29	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	84.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	15.6		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0389-SS-007-01		
Lab Sample ID:	C40509-29L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	84.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	V26936.D	1	07/22/15	JC	07/08/15	OP12588	VV1084
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0029		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.0012		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.0042		0.0020	0.00020	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.0012		0.0020	0.00020	mg/l	J
127-18-4	Tetrachloroethylene	ND		0.0010	0.00030	mg/l	
108-88-3	Toluene	0.0068		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.0047		0.0010	0.00026	mg/l	
95-47-6	o-Xylene	0.0022		0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-117%
2037-26-5	Toluene-D8	99%		84-114%
460-00-4	4-Bromofluorobenzene	101%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-007-01		
Lab Sample ID:	C40509-29L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	84.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11097.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		10-110%
4165-62-2	Phenol-d5	36%		10-110%
118-79-6	2,4,6-Tribromophenol	99%		44-141%
4165-60-0	Nitrobenzene-d5	72%		30-116%
321-60-8	2-Fluorobiphenyl	82%		31-124%
1718-51-0	Terphenyl-d14	91%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DP0389-SS-0085-01		
Lab Sample ID:	C40509-30	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	84.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54287.D	1	07/08/15	XB	n/a	n/a	VM1638
Run #2							

	Initial Weight
Run #1	4.29 g
Run #2	

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.8	0.58	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	3.8	5.8	1.3	ug/kg	J
100-41-4	Ethylbenzene	ND	5.8	0.58	ug/kg	
71-55-6	1,1,1-Trichloroethane	1.8	5.8	0.58	ug/kg	J
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.2	ug/kg	
127-18-4	Tetrachloroethylene	61.9	5.8	0.70	ug/kg	
108-88-3	Toluene	ND	5.8	0.58	ug/kg	
79-01-6	Trichloroethylene	21.4	5.8	0.58	ug/kg	
	m,p-Xylene	ND	5.8	0.58	ug/kg	
95-47-6	o-Xylene	ND	5.8	0.58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		75-125%
2037-26-5	Toluene-D8	101%		80-121%
460-00-4	4-Bromofluorobenzene	104%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-0085-01		
Lab Sample ID:	C40509-30	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31780.D	1	07/06/15	MT	07/02/15	OP12535	EY1464
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		19-110%
4165-62-2	Phenol-d5	73%		25-113%
118-79-6	2,4,6-Tribromophenol	96%		25-140%
4165-60-0	Nitrobenzene-d5	69%		22-110%
321-60-8	2-Fluorobiphenyl	71%		28-116%
1718-51-0	Terphenyl-d14	81%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-0085-01		
Lab Sample ID:	C40509-30	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	84.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	15.5		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0389-SS-0085-01		
Lab Sample ID:	C40509-30L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	84.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	V26937.D	1	07/22/15	JC	07/08/15	OP12588	VV1084
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0023		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.00055		0.0010	0.00020	mg/l	J
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.0048		0.0020	0.00020	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.0023		0.0020	0.00020	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00030	mg/l	
108-88-3	Toluene	0.0042		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.0018		0.0010	0.00026	mg/l	
95-47-6	o-Xylene	0.0015		0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-117%
2037-26-5	Toluene-D8	98%		84-114%
460-00-4	4-Bromofluorobenzene	97%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0389-SS-0085-01		
Lab Sample ID:	C40509-30L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	84.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11098.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		10-110%
4165-62-2	Phenol-d5	35%		10-110%
118-79-6	2,4,6-Tribromophenol	94%		44-141%
4165-60-0	Nitrobenzene-d5	71%		30-116%
321-60-8	2-Fluorobiphenyl	79%		31-124%
1718-51-0	Terphenyl-d14	86%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-001-01		
Lab Sample ID:	C40509-31	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	81.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54172.D	1	07/02/15	XB	n/a	n/a	VM1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.66 g	5.0 ml	50.0 ul
Run #2			

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	440	44	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	304	440	97	ug/kg	J
100-41-4	Ethylbenzene	ND	440	44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	440	44	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	440	88	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	440	88	ug/kg	
127-18-4	Tetrachloroethylene	4740	440	53	ug/kg	
108-88-3	Toluene	ND	440	44	ug/kg	
79-01-6	Trichloroethylene	1470	440	44	ug/kg	
	m,p-Xylene	ND	440	44	ug/kg	
95-47-6	o-Xylene	ND	440	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		75-125%
2037-26-5	Toluene-D8	97%		80-121%
460-00-4	4-Bromofluorobenzene	105%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-001-01		
Lab Sample ID:	C40509-31	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31752.D	1	07/02/15	MT	07/01/15	OP12535	EY1463
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		19-110%
4165-62-2	Phenol-d5	76%		25-113%
118-79-6	2,4,6-Tribromophenol	101%		25-140%
4165-60-0	Nitrobenzene-d5	72%		22-110%
321-60-8	2-Fluorobiphenyl	77%		28-116%
1718-51-0	Terphenyl-d14	109%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-001-01		
Lab Sample ID:	C40509-31	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	81.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	19		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0388-SS-001-01		
Lab Sample ID:	C40509-31L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	81.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	V26938.D	1	07/22/15	JC	07/08/15	OP12588	VV1084
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0025		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.00066		0.0010	0.00020	mg/l	J
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.0055		0.0020	0.00020	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.0014		0.0020	0.00020	mg/l	J
127-18-4	Tetrachloroethylene	0.0011		0.0010	0.00030	mg/l	
108-88-3	Toluene	0.0048		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.0032		0.0010	0.00026	mg/l	
95-47-6	o-Xylene	0.0014		0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-117%
2037-26-5	Toluene-D8	96%		84-114%
460-00-4	4-Bromofluorobenzene	96%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-001-01		
Lab Sample ID:	C40509-31L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	81.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11099.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		10-110%
4165-62-2	Phenol-d5	35%		10-110%
118-79-6	2,4,6-Tribromophenol	90%		44-141%
4165-60-0	Nitrobenzene-d5	73%		30-116%
321-60-8	2-Fluorobiphenyl	83%		31-124%
1718-51-0	Terphenyl-d14	88%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-002-01		
Lab Sample ID:	C40509-32	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	80.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54173.D	1	07/02/15	XB	n/a	n/a	VM1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.20 g	5.0 ml	100 ul
Run #2			

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	240	24	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	91.2	240	53	ug/kg	J
100-41-4	Ethylbenzene	ND	240	24	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	240	24	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	170	240	48	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	53.3	240	48	ug/kg	J
127-18-4	Tetrachloroethylene	1910	240	29	ug/kg	
108-88-3	Toluene	ND	240	24	ug/kg	
79-01-6	Trichloroethylene	660	240	24	ug/kg	
	m,p-Xylene	ND	240	24	ug/kg	
95-47-6	o-Xylene	ND	240	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		75-125%
2037-26-5	Toluene-D8	98%		80-121%
460-00-4	4-Bromofluorobenzene	103%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-002-01		
Lab Sample ID:	C40509-32	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31775.D	1	07/06/15	MT	07/01/15	OP12535	EY1464
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		19-110%
4165-62-2	Phenol-d5	72%		25-113%
118-79-6	2,4,6-Tribromophenol	103%		25-140%
4165-60-0	Nitrobenzene-d5	68%		22-110%
321-60-8	2-Fluorobiphenyl	76%		28-116%
1718-51-0	Terphenyl-d14	86%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-002-01		
Lab Sample ID:	C40509-32	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	80.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	19.7		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0388-SS-002-01		
Lab Sample ID:	C40509-32L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	80.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	U29129.D	1	07/22/15	JC	07/09/15	OP12596	VU1181
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.00039		0.0010	0.00020	mg/l	J
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	ND		0.0010	0.00020	mg/l	
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00024		0.0020	0.00020	mg/l	J
108-67-8	1,3,5-Trimethylbenzene	0.00053		0.0020	0.00020	mg/l	J
127-18-4	Tetrachloroethylene	0.0116		0.0010	0.00030	mg/l	
108-88-3	Toluene	0.00053		0.0010	0.00020	mg/l	J
79-01-6	Trichloroethylene	0.0024		0.0010	0.00020	mg/l	
	m,p-Xylene	ND		0.0010	0.00026	mg/l	
95-47-6	o-Xylene	ND		0.0010	0.00020	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		80-117%
2037-26-5	Toluene-D8	104%		84-114%
460-00-4	4-Bromofluorobenzene	94%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-002-01		
Lab Sample ID:	C40509-32L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	80.3 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11100.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		10-110%
4165-62-2	Phenol-d5	31%		10-110%
118-79-6	2,4,6-Tribromophenol	88%		44-141%
4165-60-0	Nitrobenzene-d5	73%		30-116%
321-60-8	2-Fluorobiphenyl	84%		31-124%
1718-51-0	Terphenyl-d14	96%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-007-01		
Lab Sample ID:	C40509-34	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B	**Percent Solids:**	86.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54066.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2							

	Initial Weight
Run #1	3.81 g
Run #2	

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	6.6	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	1.9	6.6	1.4	ug/kg	J
100-41-4	Ethylbenzene	ND	6.6	0.66	ug/kg	
71-55-6	1,1,1-Trichloroethane	0.72	6.6	0.66	ug/kg	J
95-63-6	1,2,4-Trimethylbenzene	ND	6.6	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.6	1.3	ug/kg	
127-18-4	Tetrachloroethylene	46.5	6.6	0.79	ug/kg	
108-88-3	Toluene	ND	6.6	0.66	ug/kg	
79-01-6	Trichloroethylene	13.4	6.6	0.66	ug/kg	
	m,p-Xylene	ND	6.6	0.66	ug/kg	
95-47-6	o-Xylene	ND	6.6	0.66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	119%		75-125%
2037-26-5	Toluene-D8	99%		80-121%
460-00-4	4-Bromofluorobenzene	109%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-007-01		
Lab Sample ID:	C40509-34	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31776.D	1	07/06/15	MT	07/01/15	OP12535	EY1464
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	83%		19-110%
4165-62-2	Phenol-d5	88%		25-113%
118-79-6	2,4,6-Tribromophenol	105%		25-140%
4165-60-0	Nitrobenzene-d5	84%		22-110%
321-60-8	2-Fluorobiphenyl	87%		28-116%
1718-51-0	Terphenyl-d14	81%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-007-01		
Lab Sample ID:	C40509-34	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	86.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	13.6		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0388-SS-007-01		
Lab Sample ID:	C40509-34L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	86.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	U29130.D	1	07/22/15	JC	07/09/15	OP12596	VU1181
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0044		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.00054		0.0010	0.00020	mg/l	J
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00039		0.0020	0.00020	mg/l	J
108-67-8	1,3,5-Trimethylbenzene	ND		0.0020	0.00020	mg/l	
127-18-4	Tetrachloroethylene	ND		0.0010	0.00030	mg/l	
108-88-3	Toluene	0.0070		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.0017		0.0010	0.00026	mg/l	
95-47-6	o-Xylene	0.00063		0.0010	0.00020	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		80-117%
2037-26-5	Toluene-D8	103%		84-114%
460-00-4	4-Bromofluorobenzene	107%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-007-01		
Lab Sample ID:	C40509-34L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	86.4 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11101.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		10-110%
4165-62-2	Phenol-d5	36%		10-110%
118-79-6	2,4,6-Tribromophenol	97%		44-141%
4165-60-0	Nitrobenzene-d5	74%		30-116%
321-60-8	2-Fluorobiphenyl	81%		31-124%
1718-51-0	Terphenyl-d14	96%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DP0388-SS-0085-01
Lab Sample ID: C40509-35 **Date Sampled:** 06/25/15
Matrix: SO - Soil **Date Received:** 06/26/15
Method: SW846 8260B **Percent Solids:** 77.0 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54288.D	1	07/08/15	XB	n/a	n/a	VM1638
Run #2							

	Initial Weight
Run #1	4.64 g
Run #2	

VOA Special Analyte List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.4	0.54	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	3.1	5.4	1.2	ug/kg	J
100-41-4	Ethylbenzene	ND	5.4	0.54	ug/kg	
71-55-6	1,1,1-Trichloroethane	1.5	5.4	0.54	ug/kg	J
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	84.3	5.4	0.65	ug/kg	
108-88-3	Toluene	ND	5.4	0.54	ug/kg	
79-01-6	Trichloroethylene	23.1	5.4	0.54	ug/kg	
	m,p-Xylene	ND	5.4	0.54	ug/kg	
95-47-6	o-Xylene	ND	5.4	0.54	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		75-125%
2037-26-5	Toluene-D8	102%		80-121%
460-00-4	4-Bromofluorobenzene	105%		71-126%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-0085-01		
Lab Sample ID:	C40509-35	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31781.D	1	07/06/15	MT	07/02/15	OP12535	EY1464
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

DEPH by 8270

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		19-110%
4165-62-2	Phenol-d5	72%		25-113%
118-79-6	2,4,6-Tribromophenol	103%		25-140%
4165-60-0	Nitrobenzene-d5	68%		22-110%
321-60-8	2-Fluorobiphenyl	73%		28-116%
1718-51-0	Terphenyl-d14	87%		59-139%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-0085-01		
Lab Sample ID:	C40509-35	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	77.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent [a]	23		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0388-SS-0085-01		
Lab Sample ID:	C40509-35L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8260B SW846 1311	**Percent Solids:**	77.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	U29131.D	1	07/22/15	JC	07/09/15	OP12596	VU1181
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA Special Analyte List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	0.0016		0.0010	0.00020	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND		0.0010	0.00020	mg/l	
100-41-4	Ethylbenzene	0.00027		0.0010	0.00020	mg/l	J
71-55-6	1,1,1-Trichloroethane	ND		0.0010	0.00020	mg/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.0020	0.00020	mg/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.0020	0.00020	mg/l	
127-18-4	Tetrachloroethylene	0.0049		0.0010	0.00030	mg/l	
108-88-3	Toluene	0.0027		0.0010	0.00020	mg/l	
79-01-6	Trichloroethylene	ND		0.0010	0.00020	mg/l	
	m,p-Xylene	0.00075		0.0010	0.00026	mg/l	J
95-47-6	o-Xylene	0.00032		0.0010	0.00020	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		80-117%
2037-26-5	Toluene-D8	104%		84-114%
460-00-4	4-Bromofluorobenzene	110%		84-112%

(a) All results reported on wet weight basis.
(b) Analysis using an unheated purge is specified by UTC program requirements; however, this sample was analyzed using a heated purge as per client request due to instrument and holding time limitations.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0388-SS-0085-01		
Lab Sample ID:	C40509-35L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	77.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z11102.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN Special List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [b]	ND		0.040	0.0016	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		10-110%
4165-62-2	Phenol-d5	38%		10-110%
118-79-6	2,4,6-Tribromophenol	92%		44-141%
4165-60-0	Nitrobenzene-d5	74%		30-116%
321-60-8	2-Fluorobiphenyl	82%		31-124%
1718-51-0	Terphenyl-d14	87%		57-137%

(a) All results reported on wet weight basis.
(b) Reported instrument-specific MDL to meet project-defined limits for this analyte.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DP0377-SS-0085-01
Lab Sample ID: C40509-36 **Date Sampled:** 06/25/15
Matrix: SO - Soil **Date Received:** 06/26/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 91.5 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042794.D	1	07/03/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		44-135%
877-09-8	Tetrachloro-m-xylene	69%		44-135%
2051-24-3	Decachlorobiphenyl	74%		31-163%
2051-24-3	Decachlorobiphenyl	71%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0377-SS-0085-01		
Lab Sample ID:	C40509-36	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	91.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	8.5		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0377-SS-0085-01		
Lab Sample ID:	C40509-36L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	91.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	06/30/15	PH	SW846 7196A

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0377-SS-0125-01		
Lab Sample ID:	C40509-37	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	81.8 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042795.D	1	07/03/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	16	ug/kg	
11141-16-5	Aroclor 1232	ND	33	16	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	16	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		44-135%
877-09-8	Tetrachloro-m-xylene	79%		44-135%
2051-24-3	Decachlorobiphenyl	74%		31-163%
2051-24-3	Decachlorobiphenyl	69%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0377-SS-0125-01		
Lab Sample ID:	C40509-37	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	81.8 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	18.2		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0377-SS-0125-01		
Lab Sample ID:	C40509-37L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	81.8 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	06/30/15	PH	SW846 7196A

(a) All results reported on wet weight basis.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: DP0377-SS-014-01
Lab Sample ID: C40509-38 **Date Sampled:** 06/25/15
Matrix: SO - Soil **Date Received:** 06/26/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 81.9 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042796.D	1	07/03/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		44-135%
877-09-8	Tetrachloro-m-xylene	89%		44-135%
2051-24-3	Decachlorobiphenyl	79%		31-163%
2051-24-3	Decachlorobiphenyl	74%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0377-SS-014-01		
Lab Sample ID:	C40509-38	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	81.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/10/15 15:56	PH	SW846 3060A/7196A
Moisture, Percent [a]	18.1		%	1	07/06/15 20:05	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0377-SS-014-01		
Lab Sample ID:	C40509-38L	**Date Sampled:**	06/25/15
Matrix:	SO - Soil	**Date Received:**	06/26/15
		Percent Solids:	81.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/09/15 15:07	PH	SW846 7196A

(a) All results reported on wet weight basis.

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201
1 of 5

Fedex #: 808577502042 | Bottle Order Control #:
Accutest Quote #: | Accutest NC Job #: C40509

Client / Reporting Information
Company Name: HALEY & ALDRICH
Address: 32187 Red Hill #155
City: Costa Mesa State: CA Zip: 92626
Project Contact: Tom Tatnall
Phone #: (714) 371-1800
Sampler's Name: D GARCIA / K Hoggan

Project Information
Project Name: UTC Canoga - SPLP Soil samples
Street: 16633 Canoga Ave
City: Canoga Park State:
Project #: 32594-455
EMAIL: TTatnall@haleyaldrich.com
Client Purchase Order #:

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles	Freon 113	SPLP Freon 113	Hold	LAB USE ONLY
1	DP0380-SS-0005-01	6/25/15	0712	DG	SO	5		X	X		
2	DP0380-SS-0015-01		0714					X	X		
3	DP0380-SS-005-01		0725					X	X		
4	DP0380-SS-008-01		0728							X	
5	DP0380-SS-012-01		0730							X	
6	DP0381-SS-0005-01		0750			4		X	X		
7	DP0381-SS-0015-01		0752			4		X	X		
8	DP0381-SS-005-01		0758			4		X	X		
9	DP0381-SS-009-01		0800			4				X	
10	DP0381-SS-012-01		0803			4				X	

Matrix Codes
WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Turnaround Time (Business days)
Approved By / Date:
- [ ] 10 Day
- [x] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Emergency T/A data available VIA Lablink

Data Deliverable Information
- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commercial "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [x] EDF for Geotracker [x] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		6/25/15 1710	1	6-25 1710 2	6-25 1830	2
3	Relinquished by: Fedex	6/26/15 0945	3	4		4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y / N	Headspace Y / N
					Labels match CoC? Y / N	Separate Receiving Check List used: Y / N

On Ice: 3.0 - 0.1 = 2.9 Cooler Temp: 3.2 - 0.1 = 3.1

IRVINE

C40509: Chain of Custody
Page 1 of 6

CHAIN OF CUSTODY

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2 of 5

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest NC Job #: C C46509

Client / Reporting Information

Company Name: HALEY & ALDRICH
Address: 3187 Red Hill #155
City: Costa Mesa State: CA Zip: 92626
Project Contact: Tom Tatnall
Phone #: (714) [redacted] 371-1800
Samplers Name: D. GARCIA / K. HOGGAN

Project Information

Project Name: MF Canoga - SVP Soil Sampling
Street: 6633 Canoga Ave
City: Canoga Park State: CA
Project #: 325 94-455
EMAIL: TTATNALL@haleyaldrich.com
Client Purchase Order #

Requested Analysis

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-Oil; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HNO3	H2SO4	NONE	NaHSO4	MEOH	DI/ZnAc	FREON 113	SPLP Freon 113	SPLP CrVI	SPLP CrVI	PCBs	PCBs SPLP		Hold	LAB USE ONLY
11	DP0382-SS-0005-01	6/25/15	0828	DG	SO	4	X	X		X			X	X							
12	DP0382-SS-0015-01		0830				X	X		X			X	X							
13	DP0382-SS-0065-01		0838				X	X		X			X	X							
14	DP0382-SS-0091-01		0840				X	X		X										X	
15	DP0382-SS-0122-01		0852				X	X		X										X	
16	DP0376-SS-0001-01		1018			1			X						X	X	X	X			
17	DP0376-SS-0002-01		1023			1			X						X	X	X	X			
18	DP0376-SS-0066-01		1125			1			X						X	X	X	X			
19	DP0377-SS-0001-01		1140			1			X						X	X	X	X			
20	DP0377-SS-0002-01		1155			1			X						X	X	X	X			

Turnaround Time (Business days)

Approved By / Date:

- [ ] 10 Day
- [X] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commercial "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [X] EDF for Geotracker [X] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		6/25/15 1715	1	6-25 1710	2	6-25 1830
2	Relinquished by: Fedex	6/26/15 0950	3	4		Fedex
3	Relinquished by:	Date Time:	Received By:	Custody Seal #	Appropriate Bottle / Pres. Y/N	Headspace Y/N	On Ice Y/N	Cooler Temp.
5			5		Labels match COC? Y / N	Separate Receiving Check List used: Y / N		____°C

IRVINE

C40509: Chain of Custody
Page 2 of 6

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES

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3015

FED-EX Tracking #
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C C40509

Client / Reporting Information

Company Name: Haley & Aldrich
Address: 3187 Red Hill #155
City: COSTA State: Mesa, CA Zip: 92626
Project Contact: Tom Tatnall
Phone #: (714) 371-1800
Samplers's Name: K. Hoggan

Project Information

Project Name: UTC Canoga SPLP Soil Sampling
Street: 6633 Canoga Ave
City: Canoga Park State: CA
Project #: 32594-455
EMAIL: TTatnall@haleyaldrich.
Client Purchase Order #

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	BIS 2-Ethylhexyl phthalate	SPLP Bis 2-Ethylhexyl phthalate	VOCs listed in Note #1	SPLP for VOCs in Note #1	HOLD	LAB USE ONLY
21	DP0390-SS-001-01	6/25/15	1215	KH	SO	5					4		1		X	X	X	X		
22	DP0390-SS-002-01	↓	1217	KH	↓	↓					4		1		X	X	X	X		
23	DP0390-SS-0055-01	↓	1235	KH	↓	↓					4		1						X	
24	DP0390-SS-007-01	↓	1238	KH	↓	↓					4		1		X	X	X	X		
25	DP0390-SS-0085-01	↓	1240	KH	↓	↓					4		1						X	
26	DP0389-SS-001-01	↓	1410	KH	↓	↓					4		1		X	X	X	X		
27	DP089-SS-002-01	↓	1415	KH	↓	↓					4		1		X	X	X	X		
28	DP089-SS-0055-01	↓	1418								4		1						X	
29	DP089-SS-007-01	↓	1420								4		1		X	X	X	X		
30	DP089-SS-0085-01	↓	1422	↓	↓	↓					4		1						X	

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-OI; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Turnaround Time (Business days)

Approved By:/ Date:

- [ ] 10 Day
- [x] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [x] EDF for Geotracker [x] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Note #1 111TCA, cis 12 DCE, Ethylbenzene, Xylenes, benzene, toluene, PCE, TCE 124 Trimethylbenzene, 135 Trimethyl benzene

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Kelly Hoggan	6/25/15 17:10	1 [signature] 6-25 1710	2 [signature]	6-25 1830	2 Fedex
3 Fedex	6/26/15 09:30	3 [signature]	4		4
5		5			

Custody Seal #
Appropriate Bottle / Pres. Y / N Headspace Y / N On Ice Y / N Cooler Temp.
Labels match Coc? Y / N Separate Receiving Check List used: Y / N

IRVINE

4.1

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C40509: Chain of Custody
Page 3 of 6

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

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4 of 5

FED-EX Tracking #
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C40509

Client / Reporting Information

Company Name: Haley and Aldrich
Address: 3187 Red Hill #155
City: Costa Mesa State: CA Zip: 92646
Project Contact: Tom Tatnall
Phone #: (714) 371-1800
Samplers's Name: K. Hoggan

Project Information

Project Name: UTC Canoga SPLP Soil Sampling
Street: 6633 Canoga Ave
City: Canoga Park State: CA
Project #: 32594-455
EMAIL: TTatnall@haleyaldrich.
Client Purchase Order #

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	BIS 2-Ethylhexylphthalate	SPLP BIS 2-Ethylhexyl phthalate	VOCs listed in Note #1	VOCs listed in Note #1	HOLD	LAB USE ONLY
31	DP0388-SS-001-01	6/25/15	1545	KH	SO	5					4		1		X	X	X	X		
32	DP0388-SS-002-01	↓	1550	KH	↓	↓					4		1		X	X	X	X		
33	DP0388-SS-0055-01	↓	1555	KH	↓	↓					4		1						X	
34	DP0388-SS-007-01	↓	1600	KH	↓	↓					4		1		X	X	X	X		
35	DP0388-SS-0085-01	↓	1605	KH	↓	↓					4		1						X	

Matrix Codes

WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-OJ
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Turnaround Time (Business days)

Approved By:/ Date:

- [ ] 10 Day
- [x] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [x] EDF for Geotracker [x] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Note #1: 111TCA, cis 12 DCE, Ethylbenzene, xylenes, benzene, toulene, PCE, TCE, 124 Trimethylbenzene, 135 Trimethylbenzene

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Kelly Hoggan	6/25/15 17:10	1 6-25 1710	2	6-25 1830	2
Relinquished by: 3 FedEx	Date Time: 6/26/15 0950	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y / N Headspace Y / N On Ice Y / N Cooler Temp. Labels match Coc? Y / N Separate Receiving Check List used: Y / N ____ °C	

IRVINE

4.1

4

C40509: Chain of Custody
Page 4 of 6

CHAIN OF CUSTODY

ACCUTEST LABORATORIES SOFS

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest NC Job #: C C46509

Client / Reporting Information

Company Name: Haley & Aldrich
Address: 3187 Red Hill #155
City: Costa Mesa State: CA Zip: 92626
Project Contact: Tom Tatnall
Phone #: (714) 371-1800
Samplers's Name: D. GARCIA

Project Information

Project Name: HC Canoga SPLP Soil sampling
Street: 6633 Canoga Ave
City: Canoga Park State: CA
Project #: 32594-455
EMAIL: TTATNALL@haleyaldrich.com
Client Purchase Order #:

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	FREON 113	SPLP FREON 113	SPLP CrVI	SPLP CrVI	PCB's	PCB's SPLP	TOLD	LAB USE ONLY
36	DP0377-SS-0085-01	6/25/15	1348	DG	SO	1					X					X		X	X	X		
37	DP0377-SS-0095-01	↓	1430	↓	↓	1					X					X		X	X	X		
38	DP0377-SS-0140-01	↓	1440	↓	↓	1					X										X	

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-OI; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Turnaround Time (Business days)

Approved By:/ Date:

- [ ] 10 Day
- [x] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [x] EDF for Geotracker [x] EDD Format
- Provide EDF Global ID:
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Kelly Hogg	6/25/15 1710	1	2	6-25 1830	2 Fedex
3	Relinquished by: Fedex	Date Time: 6/26/15 0900	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y / N; Labels match Coc? Y / N	Headspace Y / N; Separate Receiving Check List used: Y / N; On Ice Y / N; Cooler Temp. ____ °C

IRVINE

C40509: Chain of Custody
Page 5 of 6

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C40509 **Client:** HALEY & ALDRICH **Project:** UTC CANOGA-SPLP SOIL SAMPLING

Date / Time Received: 6/26/2015 9:50:00 AM **Delivery Method:** FedEx **Airbill #'s:** 80877502042

Cooler Temps (Initial/Adjusted): #1: (3/2.9); #2: (3.2/3.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Therm ID:	IR2;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

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C40509: Chain of Custody
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Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1632-MB	M54051.D	1	06/29/15	XB	n/a	n/a	VM1632

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-1, C40509-2, C40509-3, C40509-7, C40509-8, C40509-11, C40509-12, C40509-13, C40509-21, C40509-22, C40509-34

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
76-13-1	Freon 113	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
	m,p-Xylene	ND	5.0	0.50	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	75-125%
2037-26-5	Toluene-D8	98%	80-121%
460-00-4	4-Bromofluorobenzene	104%	71-126%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1269-MB	L42311.D	1	06/29/15	XB	n/a	n/a	VL1269

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-6, C40509-29

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
76-13-1	Freon 113	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
	m,p-Xylene	ND	5.0	0.50	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	86%	75-125%
2037-26-5	Toluene-D8	98%	80-121%
460-00-4	4-Bromofluorobenzene	98%	71-126%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1633-MB	M54089.D	1	06/30/15	XB	n/a	n/a	VM1633

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-21, C40509-22, C40509-24, C40509-26, C40509-27

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
	m,p-Xylene	ND	5.0	0.50	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	75-125%
2037-26-5	Toluene-D8	96%	80-121%
460-00-4	4-Bromofluorobenzene	103%	71-126%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1635-MB	M54169.D	1	07/02/15	XB	n/a	n/a	VM1635

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-31, C40509-32

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
	m,p-Xylene	ND	5.0	0.50	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	109%	75-125%
2037-26-5	Toluene-D8	94%	80-121%
460-00-4	4-Bromofluorobenzene	104%	71-126%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1274-MB	L42490.D	1	07/07/15	XB	n/a	n/a	VL1274

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-5, C40509-9, C40509-10, C40509-14, C40509-15, C40509-23, C40509-25

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
76-13-1	Freon 113	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
	m,p-Xylene	ND	5.0	0.50	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	75-125%
2037-26-5	Toluene-D8	81%	80-121%
460-00-4	4-Bromofluorobenzene	95%	71-126%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1638-MB	M54285.D	1	07/08/15	XB	n/a	n/a	VM1638

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-28, C40509-30, C40509-35

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
	m,p-Xylene	ND	5.0	0.50	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.50	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	75-125%
2037-26-5	Toluene-D8	101%	80-121%
460-00-4	4-Bromofluorobenzene	103%	71-126%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2018-MB	W54810.D	1	07/09/15	JC	n/a	n/a	VW2018

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-5L, C40509-9L, C40509-10L, C40509-13L, C40509-14L, C40509-15L

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	2.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	80-117%
2037-26-5	Toluene-D8	103%	84-114%
460-00-4	4-Bromofluorobenzene	95%	84-112%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2020-MB	W54854.D	1	07/10/15	JC	n/a	n/a	VW2020

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-27L

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-117%
2037-26-5	Toluene-D8	105%	84-114%
460-00-4	4-Bromofluorobenzene	96%	84-112%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR1352-MB	R35801.D	1	07/22/15	TN	n/a	n/a	VR1352

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-21L, C40509-22L

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-117%
2037-26-5	Toluene-D8	101%	84-114%
460-00-4	4-Bromofluorobenzene	96%	84-112%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU1181-MB	U29112.D	1	07/22/15	JC	n/a	n/a	VU1181

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-32L, C40509-34L, C40509-35L

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-117%
2037-26-5	Toluene-D8	104%	84-114%
460-00-4	4-Bromofluorobenzene	92%	84-112%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV1084-MB	V26921.D	1	07/22/15	JC	n/a	n/a	VV1084

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-23L, C40509-24L, C40509-25L, C40509-26L, C40509-27L, C40509-28L, C40509-29L, C40509-30L, C40509-31L

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	80-117%
2037-26-5	Toluene-D8	98%	84-114%
460-00-4	4-Bromofluorobenzene	98%	84-112%

Leachate Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12537-LB1	W54787.D	100	07/08/15	JC	07/01/15	OP12537	VW2017

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-1L, C40509-2L, C40509-3L, C40509-6L, C40509-7L, C40509-8L, C40509-11L, C40509-12L

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	200	20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-117%
2037-26-5	Toluene-D8	104%	84-114%
460-00-4	4-Bromofluorobenzene	97%	84-112%

Leachate Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12571-LB1	W54811.D	100	07/09/15	JC	07/07/15	OP12571	VW2018

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-5L, C40509-9L, C40509-10L, C40509-13L, C40509-14L, C40509-15L, C40509-21L, C40509-22L

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
100-41-4	Ethylbenzene	ND	100	20	ug/l	
76-13-1	Freon 113	ND	200	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	200	20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	200	20	ug/l	
127-18-4	Tetrachloroethylene	ND	100	30	ug/l	
108-88-3	Toluene	ND	100	20	ug/l	
79-01-6	Trichloroethylene	ND	100	20	ug/l	
	m,p-Xylene	ND	100	26	ug/l	
95-47-6	o-Xylene	ND	100	20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-117%
2037-26-5	Toluene-D8	107%	84-114%
460-00-4	4-Bromofluorobenzene	97%	84-112%

Leachate Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12571-LB1	R35814.D	1	07/22/15	TN	07/07/15	OP12571	VR1352

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-5L, C40509-9L, C40509-10L, C40509-13L, C40509-14L, C40509-15L, C40509-21L, C40509-22L

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	2.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	80-117%
2037-26-5	Toluene-D8	102%	84-114%
460-00-4	4-Bromofluorobenzene	94%	84-112%

Leachate Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12588-LB1	W54855.D	100	07/10/15	JC	07/08/15	OP12588	VW2020

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-23L, C40509-24L, C40509-25L, C40509-26L, C40509-27L, C40509-28L, C40509-29L, C40509-30L, C40509-31L

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
100-41-4	Ethylbenzene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	200	20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	200	20	ug/l	
127-18-4	Tetrachloroethylene	ND	100	30	ug/l	
108-88-3	Toluene	ND	100	20	ug/l	
79-01-6	Trichloroethylene	ND	100	20	ug/l	
	m,p-Xylene	ND	100	26	ug/l	
95-47-6	o-Xylene	ND	100	20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-117%
2037-26-5	Toluene-D8	103%	84-114%
460-00-4	4-Bromofluorobenzene	94%	84-112%

Leachate Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12588-LB1	V26929.D	1	07/22/15	JC	07/08/15	OP12588	VV1084

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-23L, C40509-24L, C40509-25L, C40509-26L, C40509-27L, C40509-28L, C40509-29L, C40509-30L, C40509-31L

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-117%
2037-26-5	Toluene-D8	99%	84-114%
460-00-4	4-Bromofluorobenzene	100%	84-112%

Leachate Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12596-LB1	W54880.D	100	07/10/15	JC	07/09/15	OP12596	VW2022

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-32L, C40509-34L, C40509-35L

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	100	20	ug/l	
100-41-4	Ethylbenzene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	200	20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	200	20	ug/l	
127-18-4	Tetrachloroethylene	ND	100	30	ug/l	
108-88-3	Toluene	ND	100	20	ug/l	
79-01-6	Trichloroethylene	ND	100	20	ug/l	
	m,p-Xylene	ND	100	26	ug/l	
95-47-6	o-Xylene	ND	100	20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-117%
2037-26-5	Toluene-D8	104%	84-114%
460-00-4	4-Bromofluorobenzene	93%	84-112%

Leachate Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12596-LB1	U29128.D	1	07/22/15	JC	07/09/15	OP12596	VU1181

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-32L, C40509-34L, C40509-35L

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
	m,p-Xylene	ND	1.0	0.26	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	109%	80-117%
2037-26-5	Toluene-D8	107%	84-114%
460-00-4	4-Bromofluorobenzene	94%	84-112%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1632-BS	M54048.D	1	06/29/15	XB	n/a	n/a	VM1632
VM1632-BSD	M54049.D	1	06/29/15	XB	n/a	n/a	VM1632

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-1, C40509-2, C40509-3, C40509-7, C40509-8, C40509-11, C40509-12, C40509-13, C40509-21, C40509-22, C40509-34

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	40	37.5	94	36.5	91	3	80-122/13
156-59-2	cis-1,2-Dichloroethylene	40	41.0	103	39.9	100	3	80-124/13
100-41-4	Ethylbenzene	40	37.4	94	37.3	93	0	79-121/13
76-13-1	Freon 113	40	36.6	92	36.0	90	2	72-130/17
71-55-6	1,1,1-Trichloroethane	40	40.4	101	38.9	97	4	79-128/15
95-63-6	1,2,4-Trimethylbenzene	40	40.0	100	38.0	95	5	76-121/13
108-67-8	1,3,5-Trimethylbenzene	40	42.3	106	40.4	101	5	78-123/13
127-18-4	Tetrachloroethylene	40	36.4	91	37.1	93	2	77-125/14
108-88-3	Toluene	40	37.1	93	37.0	93	0	78-120/13
79-01-6	Trichloroethylene	40	36.9	92	36.9	92	0	80-124/13
	m,p-Xylene	80	74.8	94	75.2	94	1	79-122/13
95-47-6	o-Xylene	40	37.5	94	36.6	92	2	77-124/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	98%	75-125%
2037-26-5	Toluene-D8	100%	98%	80-121%
460-00-4	4-Bromofluorobenzene	98%	100%	71-126%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1269-BS	L42308.D	1	06/29/15	XB	n/a	n/a	VL1269
VL1269-BSD	L42309.D	1	06/29/15	XB	n/a	n/a	VL1269

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-6, C40509-29

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	40	34.3	86	35.6	89	4	80-122/13
156-59-2	cis-1,2-Dichloroethylene	40	35.6	89	36.7	92	3	80-124/13
100-41-4	Ethylbenzene	40	34.8	87	37.0	93	6	79-121/13
76-13-1	Freon 113	40	33.0	83	32.8	82	1	72-130/17
71-55-6	1,1,1-Trichloroethane	40	35.7	89	35.9	90	1	79-128/15
95-63-6	1,2,4-Trimethylbenzene	40	34.8	87	34.9	87	0	76-121/13
108-67-8	1,3,5-Trimethylbenzene	40	36.1	90	36.1	90	0	78-123/13
127-18-4	Tetrachloroethylene	40	34.4	86	37.8	95	9	77-125/14
108-88-3	Toluene	40	34.8	87	36.6	92	5	78-120/13
79-01-6	Trichloroethylene	40	35.3	88	36.1	90	2	80-124/13
	m,p-Xylene	80	70.2	88	74.2	93	6	79-122/13
95-47-6	o-Xylene	40	34.6	87	36.2	91	5	77-124/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	95%	91%	75-125%
2037-26-5	Toluene-D8	99%	99%	80-121%
460-00-4	4-Bromofluorobenzene	100%	101%	71-126%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1633-BS	M54087.D	1	06/30/15	XB	n/a	n/a	VM1633
VM1633-BSD	M54088.D	1	06/30/15	XB	n/a	n/a	VM1633

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-21, C40509-22, C40509-24, C40509-26, C40509-27

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	40	43.5	109	39.5	99	10	80-122/13
156-59-2	cis-1,2-Dichloroethylene	40	46.3	116	40.4	101	14* [a]	80-124/13
100-41-4	Ethylbenzene	40	43.0	108	39.3	98	9	79-121/13
71-55-6	1,1,1-Trichloroethane	40	44.7	112	37.9	95	16* [a]	79-128/15
95-63-6	1,2,4-Trimethylbenzene	40	44.4	111	40.8	102	8	76-121/13
108-67-8	1,3,5-Trimethylbenzene	40	47.0	118	43.0	108	9	78-123/13
127-18-4	Tetrachloroethylene	40	43.0	108	39.6	99	8	77-125/14
108-88-3	Toluene	40	42.3	106	39.2	98	8	78-120/13
79-01-6	Trichloroethylene	40	43.4	109	41.0	103	6	80-124/13
	m,p-Xylene	80	85.8	107	80.1	100	7	79-122/13
95-47-6	o-Xylene	40	43.0	108	38.5	96	11	77-124/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	93%	75-125%
2037-26-5	Toluene-D8	100%	94%	80-121%
460-00-4	4-Bromofluorobenzene	96%	98%	71-126%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1635-BS	M54166.D	1	07/02/15	XB	n/a	n/a	VM1635
VM1635-BSD	M54167.D	1	07/02/15	XB	n/a	n/a	VM1635

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-31, C40509-32

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	40	42.8	107	42.9	107	0	80-122/13
156-59-2	cis-1,2-Dichloroethylene	40	42.7	107	44.1	110	3	80-124/13
100-41-4	Ethylbenzene	40	40.0	100	40.7	102	2	79-121/13
71-55-6	1,1,1-Trichloroethane	40	44.0	110	44.2	111	0	79-128/15
95-63-6	1,2,4-Trimethylbenzene	40	41.9	105	42.3	106	1	76-121/13
108-67-8	1,3,5-Trimethylbenzene	40	42.6	107	43.2	108	1	78-123/13
127-18-4	Tetrachloroethylene	40	39.5	99	40.7	102	3	77-125/14
108-88-3	Toluene	40	38.6	97	39.6	99	3	78-120/13
79-01-6	Trichloroethylene	40	43.6	109	43.1	108	1	80-124/13
	m,p-Xylene	80	79.6	100	81.4	102	2	79-122/13
95-47-6	o-Xylene	40	40.9	102	41.5	104	1	77-124/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	103%	105%	75-125%
2037-26-5	Toluene-D8	94%	97%	80-121%
460-00-4	4-Bromofluorobenzene	97%	99%	71-126%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1274-BS	L42486.D	1	07/07/15	XB	n/a	n/a	VL1274
VL1274-BSD	L42488.D	1	07/07/15	XB	n/a	n/a	VL1274

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-5, C40509-9, C40509-10, C40509-14, C40509-15, C40509-23, C40509-25

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	40	42.0	105	38.5	96	9	80-122/13
156-59-2	cis-1,2-Dichloroethylene	40	43.8	110	40.1	100	9	80-124/13
100-41-4	Ethylbenzene	40	39.8	100	36.3	91	9	79-121/13
76-13-1	Freon 113	40	36.3	91	37.8	95	4	72-130/17
71-55-6	1,1,1-Trichloroethane	40	41.2	103	34.9	87	17*	79-128/15
95-63-6	1,2,4-Trimethylbenzene	40	37.7	94	34.9	87	8	76-121/13
108-67-8	1,3,5-Trimethylbenzene	40	37.7	94	35.0	88	7	78-123/13
127-18-4	Tetrachloroethylene	40	38.7	97	38.6	97	0	77-125/14
108-88-3	Toluene	40	34.3	86	37.0	93	8	78-120/13
79-01-6	Trichloroethylene	40	42.5	106	43.9	110	3	80-124/13
	m,p-Xylene	80	83.0	104	74.9	94	10	79-122/13
95-47-6	o-Xylene	40	41.2	103	37.8	95	9	77-124/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	96%	95%	75-125%
2037-26-5	Toluene-D8	82%	91%	80-121%
460-00-4	4-Bromofluorobenzene	98%	97%	71-126%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1638-BS	M54282.D	1	07/08/15	XB	n/a	n/a	VM1638
VM1638-BSD	M54283.D	1	07/08/15	XB	n/a	n/a	VM1638

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-28, C40509-30, C40509-35

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	40	38.6	97	38.8	97	1	80-122/13
156-59-2	cis-1,2-Dichloroethylene	40	40.0	100	38.9	97	3	80-124/13
100-41-4	Ethylbenzene	40	39.9	100	40.9	102	2	79-121/13
71-55-6	1,1,1-Trichloroethane	40	37.5	94	35.4	89	6	79-128/15
95-63-6	1,2,4-Trimethylbenzene	40	42.9	107	42.6	107	1	76-121/13
108-67-8	1,3,5-Trimethylbenzene	40	45.3	113	45.8	115	1	78-123/13
127-18-4	Tetrachloroethylene	40	40.5	101	42.0	105	4	77-125/14
108-88-3	Toluene	40	39.3	98	41.3	103	5	78-120/13
79-01-6	Trichloroethylene	40	40.1	100	41.3	103	3	80-124/13
	m,p-Xylene	80	80.9	101	83.6	105	3	79-122/13
95-47-6	o-Xylene	40	41.0	103	40.8	102	0	77-124/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	91%	75-125%
2037-26-5	Toluene-D8	102%	102%	80-121%
460-00-4	4-Bromofluorobenzene	94%	97%	71-126%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2017-BS	W54783.D	100	07/08/15	JC	n/a	n/a	VW2017
VW2017-BSD	W54788.D	100	07/08/15	JC	n/a	n/a	VW2017

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-1L, C40509-2L, C40509-3L, C40509-6L, C40509-7L, C40509-8L, C40509-11L, C40509-12L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	2000	1780	89	1690	85	5	60-145/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	101%	104%	80-117%
2037-26-5	Toluene-D8	104%	102%	84-114%
460-00-4	4-Bromofluorobenzene	98%	100%	84-112%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2018-BS	W54807.D	100	07/08/15	JC	n/a	n/a	VW2018
VW2018-BSD	W54808.D	100	07/09/15	JC	n/a	n/a	VW2018

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-5L, C40509-9L, C40509-10L, C40509-13L, C40509-14L, C40509-15L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	2000	1570	79	1590	80	1	60-145/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	108%	107%	80-117%
2037-26-5	Toluene-D8	103%	108%	84-114%
460-00-4	4-Bromofluorobenzene	103%	102%	84-112%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2020-BS	W54851.D	100	07/09/15	JC	n/a	n/a	VW2020
VW2020-BSD	W54852.D	100	07/09/15	JC	n/a	n/a	VW2020

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-27L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	2000	1850	93	1940	97	5	74-129/17
108-67-8	1,3,5-Trimethylbenzene	2000	1900	95	2000	100	5	77-129/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	101%	80-117%
2037-26-5	Toluene-D8	95%	104%	84-114%
460-00-4	4-Bromofluorobenzene	92%	97%	84-112%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1632-LCS	M54050.D	1	06/29/15	XB	n/a	n/a	VM1632

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-1, C40509-2, C40509-3, C40509-7, C40509-8, C40509-11, C40509-12, C40509-13, C40509-21, C40509-22, C40509-34

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	75-125%
2037-26-5	Toluene-D8	101%	80-121%
460-00-4	4-Bromofluorobenzene	103%	71-126%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1269-LCS	L42310.D	1	06/29/15	XB	n/a	n/a	VL1269

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-6, C40509-29

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	85%	75-125%
2037-26-5	Toluene-D8	98%	80-121%
460-00-4	4-Bromofluorobenzene	98%	71-126%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40509-3LMS	W54804.D	100	07/08/15	JC	n/a	n/a	VW2017
C40509-3L	W54792.D	100	07/08/15	JC	07/01/15	OP12537	VW2017

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-1L, C40509-2L, C40509-3L, C40509-6L, C40509-7L, C40509-8L, C40509-11L, C40509-12L

CAS No.	Compound	C40509-3L ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
76-13-1	Freon 113	ND		2000	1650	83	60-145

CAS No.	Surrogate Recoveries	MS	C40509-3L	Limits
1868-53-7	Dibromofluoromethane	108%	103%	80-117%
2037-26-5	Toluene-D8	104%	105%	84-114%
460-00-4	4-Bromofluorobenzene	100%	97%	84-112%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40536-3MS	L42327.D	1	06/30/15	XB	n/a	n/a	VL1269
C40536-3MSD	L42328.D	1	06/30/15	XB	n/a	n/a	VL1269
C40536-3	L42317.D	1	06/29/15	XB	n/a	n/a	VL1269

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-6, C40509-29

CAS No.	Compound	C40536-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		31.1	28.1	90	30.8	29.7	96	6	80-122/13
156-59-2	cis-1,2-Dichloroethylene	ND		31.1	28.7	92	30.8	30.0	97	4	80-124/13
100-41-4	Ethylbenzene	ND		31.1	26.5	85	30.8	28.8	93	8	79-121/13
76-13-1	Freon 113	ND		31.1	27.1	87	30.8	29.6	96	9	72-130/17
71-55-6	1,1,1-Trichloroethane	ND		31.1	28.0	90	30.8	30.2	98	8	79-128/15
95-63-6	1,2,4-Trimethylbenzene	3.2	J	31.1	27.2	77	30.8	30.1	87	10	76-121/13
108-67-8	1,3,5-Trimethylbenzene	ND		31.1	30.9	99	30.8	33.1	107	7	78-123/13
127-18-4	Tetrachloroethylene	ND		31.1	36.5	117	30.8	36.4	118	0	77-125/14
108-88-3	Toluene	ND		31.1	28.2	91	30.8	30.3	98	7	78-120/13
79-01-6	Trichloroethylene	ND		31.1	28.7	92	30.8	30.5	99	6	80-124/13
	m,p-Xylene	0.56	J	62.2	53.0	84	61.6	56.8	91	7	79-122/13
95-47-6	o-Xylene	ND		31.1	27.2	87	30.8	28.3	92	4	77-124/13

CAS No.	Surrogate Recoveries	MS	MSD	C40536-3	Limits
1868-53-7	Dibromofluoromethane	93%	95%	97%	75-125%
2037-26-5	Toluene-D8	101%	104%	106%	80-121%
460-00-4	4-Bromofluorobenzene	90%	87%	94%	71-126%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40497-119MS	M54107.D	1	06/30/15	XB	n/a	n/a	VM1633
C40497-119MSD	M54108.D	1	06/30/15	XB	n/a	n/a	VM1633
C40497-119	M54106.D	1	06/30/15	XB	n/a	n/a	VM1633

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-21, C40509-22, C40509-24, C40509-26, C40509-27

CAS No.	Compound	C40497-119 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		3320	3410	103	3320	3410	103	0	80-122/13
156-59-2	cis-1,2-Dichloroethylene	ND		3320	3430	103	3320	3430	103	0	80-124/13
100-41-4	Ethylbenzene	ND		3320	3310	100	3320	3330	100	1	79-121/13
71-55-6	1,1,1-Trichloroethane	ND		3320	3400	102	3320	3260	98	4	79-128/15
95-63-6	1,2,4-Trimethylbenzene	ND		3320	3380	102	3320	3440	104	2	76-121/13
108-67-8	1,3,5-Trimethylbenzene	ND		3320	3540	107	3320	3620	109	2	78-123/13
127-18-4	Tetrachloroethylene	ND		3320	3420	103	3320	3360	101	2	77-125/14
108-88-3	Toluene	ND		3320	3300	99	3320	3340	101	1	78-120/13
79-01-6	Trichloroethylene	ND		3320	3320	100	3320	3420	103	3	80-124/13
	m,p-Xylene	ND		6640	6610	100	6640	6680	101	1	79-122/13
95-47-6	o-Xylene	ND		3320	3250	98	3320	3280	99	1	77-124/13

CAS No.	Surrogate Recoveries	MS	MSD	C40497-119	Limits
1868-53-7	Dibromofluoromethane	99%	94%	102%	75-125%
2037-26-5	Toluene-D8	95%	95%	99%	80-121%
460-00-4	4-Bromofluorobenzene	103%	101%	105%	71-126%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40525-9MS	M54187.D	1	07/02/15	XB	n/a	n/a	VM1635
C40525-9MSD	M54188.D	1	07/02/15	XB	n/a	n/a	VM1635
C40525-9	M54186.D	1	07/02/15	XB	n/a	n/a	VM1635

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-31, C40509-32

CAS No.	Compound	C40525-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		5940	5720	96	5940	6010	101	5	80-122/13
156-59-2	cis-1,2-Dichloroethylene	ND		5940	5840	98	5940	6190	104	6	80-124/13
100-41-4	Ethylbenzene	811		5940	6210	91	5940	6640	98	7	79-121/13
71-55-6	1,1,1-Trichloroethane	ND		5940	5630	95	5940	5790	97	3	79-128/15
95-63-6	1,2,4-Trimethylbenzene	8680		5940	13200	76	5940	13800	86	4	76-121/13
108-67-8	1,3,5-Trimethylbenzene	2140		5940	8030	99	5940	8400	105	5	78-123/13
127-18-4	Tetrachloroethylene	ND		5940	5410	91	5940	5930	100	9	77-125/14
108-88-3	Toluene	270	J	5940	5660	91	5940	6020	97	6	78-120/13
79-01-6	Trichloroethylene	ND		5940	5750	97	5940	6250	105	8	80-124/13
	m,p-Xylene	4040		11900	14700	90	11900	15800	99	7	79-122/13
95-47-6	o-Xylene	1870		5940	7200	90	5940	7760	99	7	77-124/13

CAS No.	Surrogate Recoveries	MS	MSD	C40525-9	Limits
1868-53-7	Dibromofluoromethane	96%	94%	104%	75-125%
2037-26-5	Toluene-D8	94%	94%	98%	80-121%
460-00-4	4-Bromofluorobenzene	98%	98%	102%	71-126%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40509-9LMS	W54820.D	100	07/09/15	JC	n/a	n/a	VW2018
C40509-9LMSD	W54821.D	100	07/09/15	JC	n/a	n/a	VW2018
C40509-9L	W54813.D	100	07/09/15	JC	07/07/15	OP12571	VW2018

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-5L, C40509-9L, C40509-10L, C40509-13L, C40509-14L, C40509-15L

CAS No.	Compound	C40509-9L ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	ND		2000	1570	79	2000	1590	80	1	60-145/25

CAS No.	Surrogate Recoveries	MS	MSD	C40509-9L	Limits
1868-53-7	Dibromofluoromethane	109%	108%	106%	80-117%
2037-26-5	Toluene-D8	106%	105%	107%	84-114%
460-00-4	4-Bromofluorobenzene	109%	104%	97%	84-112%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40509-25LMS	W54865.D	100	07/10/15	JC	n/a	n/a	VW2020
C40509-25LMSD	W54866.D	100	07/10/15	JC	n/a	n/a	VW2020

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-27L

CAS No.	Compound	ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene			2000	2050	103	2000	2060	103	0	74-129/17
108-67-8	1,3,5-Trimethylbenzene			2000	2090	105	2000	2140	107	2	77-129/17

CAS No.	Surrogate Recoveries	MS	MSD	Limits
1868-53-7	Dibromofluoromethane	108%	105%	80-117%
2037-26-5	Toluene-D8	105%	105%	84-114%
460-00-4	4-Bromofluorobenzene	103%	101%	84-112%

* = Outside of Control Limits.

Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40509-1LDUP	W54790.D	100	07/08/15	JC	n/a	n/a	VW2017
C40509-1L	W54789.D	100	07/08/15	JC	07/01/15	OP12537	VW2017

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40509-1L, C40509-2L, C40509-3L, C40509-6L, C40509-7L, C40509-8L, C40509-11L, C40509-12L

CAS No.	Compound	C40509-1L ug/l	Q	DUP ug/l	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	C40509-1L	Limits
1868-53-7	Dibromofluoromethane	103%	103%	80-117%
2037-26-5	Toluene-D8	105%	105%	84-114%
460-00-4	4-Bromofluorobenzene	96%	97%	84-112%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-MB	Y31721.D	1	07/01/15	MT	07/01/15	OP12535	EY1462

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40509-21, C40509-22, C40509-23, C40509-24, C40509-25, C40509-26, C40509-27, C40509-28, C40509-29, C40509-30, C40509-31, C40509-32, C40509-34, C40509-35

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	67	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	73%	19-110%
4165-62-2	Phenol-d5	80%	25-113%
118-79-6	2,4,6-Tribromophenol	86%	25-140%
4165-60-0	Nitrobenzene-d5	71%	22-110%
321-60-8	2-Fluorobiphenyl	70%	28-116%
1718-51-0	Terphenyl-d14	98%	59-139%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12597-MB	Z11084.D	1	07/10/15	MT	07/10/15	OP12597	EZ533

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40509-21L, C40509-22L, C40509-23L, C40509-24L, C40509-25L, C40509-26L, C40509-27L, C40509-28L, C40509-29L, C40509-30L, C40509-31L, C40509-32L, C40509-34L, C40509-35L

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [a]	ND	10	0.39	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	52%	10-110%
4165-62-2	Phenol-d5	39%	10-110%
118-79-6	2,4,6-Tribromophenol	102%	44-141%
4165-60-0	Nitrobenzene-d5	79%	30-116%
321-60-8	2-Fluorobiphenyl	85%	31-124%
1718-51-0	Terphenyl-d14	98%	57-137%

(a) Reported instrument-specific MDL to meet project-defined limits for this analyte.

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12597-MB2	Z11085.D	1	07/10/15	MT	07/10/15	OP12597	EZ533

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40509-21L, C40509-22L, C40509-23L, C40509-24L, C40509-25L, C40509-26L, C40509-27L, C40509-28L, C40509-29L, C40509-30L, C40509-31L, C40509-32L, C40509-34L, C40509-35L

CAS No.	Compound	Result	RL	MDL	Units	Q
117-81-7	bis(2-Ethylhexyl)phthalate [a]	ND	40	1.6	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	10-110%
4165-62-2	Phenol-d5	36%	10-110%
118-79-6	2,4,6-Tribromophenol	92%	44-141%
4165-60-0	Nitrobenzene-d5	72%	30-116%
321-60-8	2-Fluorobiphenyl	77%	31-124%
1718-51-0	Terphenyl-d14	91%	57-137%

(a) Reported instrument-specific MDL to meet project-defined limits for this analyte.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-BS	Y31722.D	1	07/01/15	MT	07/01/15	OP12535	EY1462
OP12535-BSD	Y31723.D	1	07/02/15	MT	07/01/15	OP12535	EY1462

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40509-21, C40509-22, C40509-23, C40509-24, C40509-25, C40509-26, C40509-27, C40509-28, C40509-29, C40509-30, C40509-31, C40509-32, C40509-34, C40509-35

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
117-81-7	bis(2-Ethylhexyl)phthalate	833	780	94	806	97	3	67-132/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	71%	73%	19-110%
4165-62-2	Phenol-d5	78%	79%	25-113%
118-79-6	2,4,6-Tribromophenol	100%	105%	25-140%
4165-60-0	Nitrobenzene-d5	70%	72%	22-110%
321-60-8	2-Fluorobiphenyl	75%	77%	28-116%
1718-51-0	Terphenyl-d14	102%	105%	59-139%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12597-BS	Z11086.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
OP12597-BSD	Z11087.D	1	07/10/15	MT	07/10/15	OP12597	EZ533

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40509-21L, C40509-22L, C40509-23L, C40509-24L, C40509-25L, C40509-26L, C40509-27L, C40509-28L, C40509-29L, C40509-30L, C40509-31L, C40509-32L, C40509-34L, C40509-35L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
117-81-7	bis(2-Ethylhexyl)phthalate	100	92.3	92	91.9	92	0	59-129/15

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	38%	50%	10-110%
4165-62-2	Phenol-d5	29%	37%	10-110%
118-79-6	2,4,6-Tribromophenol	94%	99%	44-141%
4165-60-0	Nitrobenzene-d5	53%	61%	30-116%
321-60-8	2-Fluorobiphenyl	61%	70%	31-124%
1718-51-0	Terphenyl-d14	88%	87%	57-137%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12597-MS	Z11088.D	1	07/10/15	MT	07/10/15	OP12597	EZ533
C40509-24L	Z11092.D	1	07/10/15	MT	07/10/15	OP12597	EZ533

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40509-21L, C40509-22L, C40509-23L, C40509-24L, C40509-25L, C40509-26L, C40509-27L, C40509-28L, C40509-29L, C40509-30L, C40509-31L, C40509-32L, C40509-34L, C40509-35L

CAS No.	Compound	C40509-24L ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	92.7	93	59-129

CAS No.	Surrogate Recoveries	MS	C40509-24L	Limits
367-12-4	2-Fluorophenol	46%	48%	10-110%
4165-62-2	Phenol-d5	32%	37%	10-110%
118-79-6	2,4,6-Tribromophenol	93%	84%	44-141%
4165-60-0	Nitrobenzene-d5	63%	73%	30-116%
321-60-8	2-Fluorobiphenyl	73%	81%	31-124%
1718-51-0	Terphenyl-d14	81%	83%	57-137%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-MS	Y31746.D	1	07/02/15	MT	07/01/15	OP12535	EY1463
OP12535-MSD	Y31738.D	1	07/02/15	MT	07/01/15	OP12535	EY1463
C40527-1	Y31739.D	1	07/02/15	MT	07/01/15	OP12535	EY1463

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40509-21, C40509-22, C40509-23, C40509-24, C40509-25, C40509-26, C40509-27, C40509-28, C40509-29, C40509-30, C40509-31, C40509-32, C40509-34, C40509-35

CAS No.	Compound	C40527-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
117-81-7	bis(2-Ethylhexyl)phthalate	ND		832	761	91	831	737	89	3	67-132/10

CAS No.	Surrogate Recoveries	MS	MSD	C40527-1	Limits
367-12-4	2-Fluorophenol	71%	67%	69%	19-110%
4165-62-2	Phenol-d5	77%	74%	77%	25-113%
118-79-6	2,4,6-Tribromophenol	92%	89%	89%	25-140%
4165-60-0	Nitrobenzene-d5	68%	63%	64%	22-110%
321-60-8	2-Fluorobiphenyl	65%	61%	62%	28-116%
1718-51-0	Terphenyl-d14	88%	88%	98%	59-139%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12524-MB	PP042637.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357

The QC reported here applies to the following samples: **Method:** SW846 8082

C40509-16, C40509-17, C40509-18, C40509-19, C40509-20

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	79%	44-135%
877-09-8	Tetrachloro-m-xylene	78%	44-135%
2051-24-3	Decachlorobiphenyl	68%	31-163%
2051-24-3	Decachlorobiphenyl	56%	31-163%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12547-MB	PP042783.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360

The QC reported here applies to the following samples: **Method:** SW846 8082

C40509-36, C40509-37, C40509-38

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	75%	44-135%
877-09-8	Tetrachloro-m-xylene	76%	44-135%
2051-24-3	Decachlorobiphenyl	84%	31-163%
2051-24-3	Decachlorobiphenyl	112%	31-163%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12595-MB	PP042882.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365

The QC reported here applies to the following samples: **Method:** SW846 8082

C40509-16L, C40509-18L, C40509-19L, C40509-20L

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.050	0.0058	ug/l	
11104-28-2	Aroclor 1221	ND	0.050	0.021	ug/l	
11141-16-5	Aroclor 1232	ND	0.050	0.0056	ug/l	
53469-21-9	Aroclor 1242	ND	0.050	0.011	ug/l	
12672-29-6	Aroclor 1248	ND	0.050	0.014	ug/l	
11097-69-1	Aroclor 1254	ND	0.050	0.0045	ug/l	
11096-82-5	Aroclor 1260	ND	0.050	0.0043	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	70%	28-116%
877-09-8	Tetrachloro-m-xylene	50%	28-116%
2051-24-3	Decachlorobiphenyl	63%	36-121%
2051-24-3	Decachlorobiphenyl	83%	36-121%

Method Blank Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12595-MB2	PP042883.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365

The QC reported here applies to the following samples: **Method:** SW846 8082

C40509-16L, C40509-18L, C40509-19L, C40509-20L

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.20	0.023	ug/l	
11104-28-2	Aroclor 1221	ND	0.20	0.084	ug/l	
11141-16-5	Aroclor 1232	ND	0.20	0.022	ug/l	
53469-21-9	Aroclor 1242	ND	0.20	0.044	ug/l	
12672-29-6	Aroclor 1248	ND	0.20	0.056	ug/l	
11097-69-1	Aroclor 1254	ND	0.20	0.018	ug/l	
11096-82-5	Aroclor 1260	ND	0.20	0.017	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	75%	28-116%
877-09-8	Tetrachloro-m-xylene	55%	28-116%
2051-24-3	Decachlorobiphenyl	48%	36-121%
2051-24-3	Decachlorobiphenyl	63%	36-121%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12524-BS	PP042638.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357
OP12524-BSD	PP042639.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357

The QC reported here applies to the following samples: **Method:** SW846 8082

C40509-16, C40509-17, C40509-18, C40509-19, C40509-20

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	133	97.6	73	105	79	7	46-116/16
11096-82-5	Aroclor 1260	133	104	78	108	81	4	44-128/15

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	81%	82%	44-135%
877-09-8	Tetrachloro-m-xylene	88%	101%	44-135%
2051-24-3	Decachlorobiphenyl	72%	75%	31-163%
2051-24-3	Decachlorobiphenyl	56%	61%	31-163%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12547-BS	PP042784.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
OP12547-BSD	PP042785.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360

The QC reported here applies to the following samples: **Method:** SW846 8082

C40509-36, C40509-37, C40509-38

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	133	94.1	71	94.3	71	0	46-116/16
11096-82-5	Aroclor 1260	133	118	89	121	91	3	44-128/15

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	76%	72%	44-135%
877-09-8	Tetrachloro-m-xylene	78%	67%	44-135%
2051-24-3	Decachlorobiphenyl	83%	83%	31-163%
2051-24-3	Decachlorobiphenyl	110%	108%	31-163%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12595-BS	OO377333.D	1	07/13/15	RV	07/09/15	OP12595	GOO1449
OP12595-BSD	OO377334.D	1	07/13/15	RV	07/09/15	OP12595	GOO1449

The QC reported here applies to the following samples: **Method:** SW846 8082

C40509-16L, C40509-18L, C40509-19L, C40509-20L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	2	1.6	80	1.8	90	12	52-110/20
11096-82-5	Aroclor 1260	2	1.0	50	1.3	65	26* [a]	50-121/19

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	88%	91%	28-116%
877-09-8	Tetrachloro-m-xylene	82%	86%	28-116%
2051-24-3	Decachlorobiphenyl	60%	69%	36-121%
2051-24-3	Decachlorobiphenyl	56%	66%	36-121%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12595-MS	PP042881.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365
C40509-18L [a]	PP042877.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365

The QC reported here applies to the following samples: **Method:** SW846 8082

C40509-16L, C40509-18L, C40509-19L, C40509-20L

CAS No.	Compound	C40509-18L ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
12674-11-2	Aroclor 1016	ND		1.6	1.3	81	52-110
11096-82-5	Aroclor 1260	ND		1.6	1.2	75	50-121

CAS No.	Surrogate Recoveries	MS	C40509-18L	Limits
877-09-8	Tetrachloro-m-xylene	83%	66%	28-116%
877-09-8	Tetrachloro-m-xylene	67%	55%	28-116%
2051-24-3	Decachlorobiphenyl	78%	63%	36-121%
2051-24-3	Decachlorobiphenyl	104%	81%	36-121%

(a) SPLP#GP8047.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40509
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12547-MS	PP042805.D	5	07/03/15	RV	07/02/15	OP12547	GPP1360
OP12547-MSD	PP042806.D	5	07/03/15	RV	07/02/15	OP12547	GPP1360
C40475-8	PP042776.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360

The QC reported here applies to the following samples: **Method:** SW846 8082

C40509-36, C40509-37, C40509-38

CAS No.	Compound	C40475-8 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		133	117	88	133	114	86	3	46-116/16
11096-82-5	Aroclor 1260	ND		133	122	92	133	129	97	6	44-128/15

CAS No.	Surrogate Recoveries	MS	MSD	C40475-8	Limits
877-09-8	Tetrachloro-m-xylene	75%	75%	71%	44-135%
877-09-8	Tetrachloro-m-xylene	88%	88%	62%	44-135%
2051-24-3	Decachlorobiphenyl	90%	88%	75%	31-163%
2051-24-3	Decachlorobiphenyl	101%	86%	99%	31-163%

* = Outside of Control Limits.

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General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40509
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GN16767	0.010	0.0	mg/l	1	0.10	100.5	85-115%
Chromium, Hexavalent	GN16801	0.010	0.0	mg/l	0.1	0.10	100.0	85-115%
Chromium, Hexavalent	GN16805	0.010	0.0	mg/l	0.1	0.10	99.8	85-115%
Chromium, Hexavalent	GP8024/GN16755	1.0	0.0	mg/kg	40	36.4	91.0	80-120%
Chromium, Hexavalent	GP8024/GN16755			mg/kg	1133	1080	95.1	80-120%
Chromium, Hexavalent	GP8050/GN16802			mg/kg	1068	1010	94.9	80-120%
Chromium, Hexavalent	GP8050/GN16802	1.0	0.0	mg/kg	40	38.8	96.9	80-120%
Moisture, Percent	GN16766		0	%				
Moisture, Percent	GN16768		0	%				
Moisture, Percent	GN16780			%				

Associated Samples:
Batch GP8024: C40509-16, C40509-17, C40509-18, C40509-19, C40509-20, C40509-36, C40509-37
Batch GP8050: C40509-38
Batch GN16766: C40509-1, C40509-2, C40509-3, C40509-16, C40509-17, C40509-18
Batch GN16767: C40509-20L, C40509-36L, C40509-37L
Batch GN16768: C40509-19, C40509-20, C40509-21, C40509-22, C40509-23, C40509-24, C40509-25, C40509-26, C40509-27, C40509-28, C40509-29, C40509-30, C40509-31, C40509-32, C40509-34, C40509-35, C40509-36, C40509-37, C40509-38
Batch GN16780: C40509-5, C40509-6, C40509-7, C40509-8, C40509-9, C40509-10, C40509-11, C40509-12, C40509-13, C40509-14, C40509-15
Batch GN16801: C40509-38L
Batch GN16805: C40509-16L, C40509-17L, C40509-18L, C40509-19L
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40509
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Chromium, Hexavalent	GN16767	mg/l	1	0.10	0.0	25%
Chromium, Hexavalent	GN16801	mg/l	0.1	0.10	0.0	25%
Chromium, Hexavalent	GN16805	mg/l	0.1	0.10	0.0	25%

Associated Samples:
Batch GN16767: C40509-20L, C40509-36L, C40509-37L
Batch GN16801: C40509-38L
Batch GN16805: C40509-16L, C40509-17L, C40509-18L, C40509-19L
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40509
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	0.0	0.0	0-20%
Chromium, Hexavalent	GP8050/GN16802	C40526-4	mg/kg	0.0	0.0	0.0	0-20%
Moisture, Percent	GN16766	C40509-2	%	20.3	20	1.5	0-25%
Moisture, Percent	GN16768	C40509-19	%	10.5	11.5	9.1	0-25%
Moisture, Percent	GN16780	C40600-1	%	1.7	1.9	11.1	0-25%

Associated Samples:
Batch GP8024: C40509-16, C40509-17, C40509-18, C40509-19, C40509-20, C40509-36, C40509-37
Batch GP8050: C40509-38
Batch GN16766: C40509-1, C40509-2, C40509-3, C40509-16, C40509-17, C40509-18
Batch GN16768: C40509-19, C40509-20, C40509-21, C40509-22, C40509-23, C40509-24, C40509-25, C40509-26, C40509-27, C40509-28, C40509-29, C40509-30, C40509-31, C40509-32, C40509-34, C40509-35, C40509-36, C40509-37, C40509-38
Batch GN16780: C40509-5, C40509-6, C40509-7, C40509-8, C40509-9, C40509-10, C40509-11, C40509-12, C40509-13, C40509-14, C40509-15
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40509
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GN16767	C40509-37L	mg/l	0.0	1	0.10	100.0	75-125%
Chromium, Hexavalent	GN16801	C40526-5L	mg/l	0.0	0.1	0.10	100.5	75-125%
Chromium, Hexavalent	GN16805	C40509-18L	mg/l	0.0	0.1	0.098	97.0	75-125%
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	926	873	94.2	75-125%
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	40	40.3	100.6	75-125%
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	150	143	95.4	75-125%
Chromium, Hexavalent	GP8050/GN16802	C40526-4	mg/kg	0.0	1384	1360	98.1	75-125%
Chromium, Hexavalent	GP8050/GN16802	C40526-4	mg/kg	0.0	40	39.1	97.6	75-125%
Chromium, Hexavalent	GP8050/GN16802	C40526-4	mg/kg	0.0	150	148	98.5	75-125%

Associated Samples:
Batch GP8024: C40509-16, C40509-17, C40509-18, C40509-19, C40509-20, C40509-36, C40509-37
Batch GP8050: C40509-38
Batch GN16767: C40509-20L, C40509-36L, C40509-37L
Batch GN16801: C40509-38L
Batch GN16805: C40509-16L, C40509-17L, C40509-18L, C40509-19L
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40509
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chromium, Hexavalent	GN16767	C40509-37L	mg/l	0.0	1	0.10	0.0	25%
Chromium, Hexavalent	GN16801	C40526-5L	mg/l	0.0	0.1	0.10	0.0	25%
Chromium, Hexavalent	GN16805	C40509-18L	mg/l	0.0	0.10	0.099	1.1	25%

Associated Samples:
Batch GN16767: C40509-20L, C40509-36L, C40509-37L
Batch GN16801: C40509-38L
Batch GN16805: C40509-16L, C40509-17L, C40509-18L, C40509-19L
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

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Northern California ACCUTEST LABORATORIES

07/14/15

Technical Report for

United Technology Corporation

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

32594-455

Accutest Job Number: C40526

Sampling Date: 06/26/15

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Total number of pages in report: **51**

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James J. Rhudy
Lab Director

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Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

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Sample Summary

United Technology Corporation

Job No: C40526

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-455

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40526-1	06/26/15	11:25	DG	06/27/15	SO	Soil	DP-0378-SS-0025-01
C40526-1L	06/26/15	11:25	DG	06/27/15	SO	Soil	DP-0378-SS-0025-01
C40526-2	06/26/15	11:40	DG	06/27/15	SO	Soil	DP-0378-SS-0085-01
C40526-2L	06/26/15	11:40	DG	06/27/15	SO	Soil	DP-0378-SS-0085-01
C40526-3	06/26/15	13:03	DG	06/27/15	SO	Soil	DP-0378-SS-0125-01
C40526-3L	06/26/15	13:03	DG	06/27/15	SO	Soil	DP-0378-SS-0125-01
C40526-4	06/26/15	12:13	DG	06/27/15	SO	Soil	DP-0378-SS-014-01
C40526-4L	06/26/15	12:13	DG	06/27/15	SO	Soil	DP-0378-SS-014-01
C40526-5	06/26/15	12:22	DG	06/27/15	SO	Soil	DP-0376-SS-0085-01
C40526-5L	06/26/15	12:22	DG	06/27/15	SO	Soil	DP-0376-SS-0085-01
C40526-6	06/26/15	12:45	DG	06/27/15	SO	Soil	DP-0376-SS-0125-01
C40526-6L	06/26/15	12:45	DG	06/27/15	SO	Soil	DP-0376-SS-0125-01
C40526-7	06/26/15	12:58	DG	06/27/15	SO	Soil	DP-0376-SS-014-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

United Technology Corporation

Job No: C40526

HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Project No: 32594-455

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40526-7L	06/26/15	12:58	DG	06/27/15	SO	Soil	DP-0376-SS-014-01
C40526-8	06/26/15	13:54	DG	06/27/15	SO	Soil	DP0378A-SS-001-01
C40526-8L	06/26/15	13:54	DG	06/27/15	SO	Soil	DP0378A-SS-001-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C40526
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/26/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40526-1	**DP-0378-SS-0025-01**					
Chromium, Hexavalent		1.1	1.0		mg/kg	SW846 3060A/7196A
C40526-1L	**DP-0378-SS-0025-01**					
No hits reported in this sample.						
C40526-2	**DP-0378-SS-0085-01**					
No hits reported in this sample.						
C40526-2L	**DP-0378-SS-0085-01**					
No hits reported in this sample.						
C40526-3	**DP-0378-SS-0125-01**					
No hits reported in this sample.						
C40526-3L	**DP-0378-SS-0125-01**					
No hits reported in this sample.						
C40526-4	**DP-0378-SS-014-01**					
No hits reported in this sample.						
C40526-4L	**DP-0378-SS-014-01**					
No hits reported in this sample.						
C40526-5	**DP-0376-SS-0085-01**					
No hits reported in this sample.						
C40526-5L	**DP-0376-SS-0085-01**					
No hits reported in this sample.						
C40526-6	**DP-0376-SS-0125-01**					
No hits reported in this sample.						

Summary of Hits

Job Number: C40526
Account: United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park
Collected: 06/26/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40526-6L	**DP-0376-SS-0125-01**					
No hits reported in this sample.						
C40526-7	**DP-0376-SS-014-01**					
Chromium, Hexavalent		1.4	1.0		mg/kg	SW846 3060A/7196A
C40526-7L	**DP-0376-SS-014-01**					
No hits reported in this sample.						
C40526-8	**DP0378A-SS-001-01**					
Aroclor 1254 [a]		87.9	33	17	ug/kg	SW846 8082
Aroclor 1260 [a]		10.3 J	33	6.6	ug/kg	SW846 8082
C40526-8L	**DP0378A-SS-001-01**					
No hits reported in this sample.						

(a) Estimated value due to the presence of multiple overlapping Aroclor patterns. Reported from signal#1 due to CCV biased low on signal #2.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	DP-0378-SS-0025-01		
Lab Sample ID:	C40526-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	87.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042788.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		44-135%
877-09-8	Tetrachloro-m-xylene	84%		44-135%
2051-24-3	Decachlorobiphenyl	91%		31-163%
2051-24-3	Decachlorobiphenyl	124%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP-0378-SS-0025-01		
Lab Sample ID:	C40526-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	87.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	1.1	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	12.3		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP-0378-SS-0025-01		
Lab Sample ID:	C40526-1L	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/09/15 15:08	PH	SW846 7196A

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP-0378-SS-0085-01		
Lab Sample ID:	C40526-2	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	87.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042789.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		44-135%
877-09-8	Tetrachloro-m-xylene	95%		44-135%
2051-24-3	Decachlorobiphenyl	92%		31-163%
2051-24-3	Decachlorobiphenyl	134%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP-0378-SS-0085-01		
Lab Sample ID:	C40526-2	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	87.2 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	12.8		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP-0378-SS-0085-01		
Lab Sample ID:	C40526-2L	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/09/15 15:08	PH	SW846 7196A

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP-0378-SS-0125-01		
Lab Sample ID:	C40526-3	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	82.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042790.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.5	ug/kg	
11104-28-2	Aroclor 1221	ND	33	16	ug/kg	
11141-16-5	Aroclor 1232	ND	33	16	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	16	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		44-135%
877-09-8	Tetrachloro-m-xylene	78%		44-135%
2051-24-3	Decachlorobiphenyl	90%		31-163%
2051-24-3	Decachlorobiphenyl	123%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP-0378-SS-0125-01		
Lab Sample ID:	C40526-3	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	82.5 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	17.5		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP-0378-SS-0125-01		
Lab Sample ID:	C40526-3L	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/09/15 15:09	PH	SW846 7196A

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP-0378-SS-014-01		
Lab Sample ID:	C40526-4	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	82.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042791.D	1	07/03/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	16	ug/kg	
11141-16-5	Aroclor 1232	ND	33	16	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	16	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		44-135%
877-09-8	Tetrachloro-m-xylene	86%		44-135%
2051-24-3	Decachlorobiphenyl	94%		31-163%
2051-24-3	Decachlorobiphenyl	126%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP-0378-SS-014-01		
Lab Sample ID:	C40526-4	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	82.9 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/10/15 15:56	PH	SW846 3060A/7196A
Moisture, Percent [a]	17.1		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP-0378-SS-014-01		
Lab Sample ID:	C40526-4L	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/09/15 15:09	PH	SW846 7196A

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP-0376-SS-0085-01		
Lab Sample ID:	C40526-5	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	88.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042658.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%		44-135%
877-09-8	Tetrachloro-m-xylene	75%		44-135%
2051-24-3	Decachlorobiphenyl	65%		31-163%
2051-24-3	Decachlorobiphenyl	60%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP-0376-SS-0085-01		
Lab Sample ID:	C40526-5	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	88.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	12		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP-0376-SS-0085-01		
Lab Sample ID:	C40526-5L	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/09/15 15:10	PH	SW846 7196A

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: DP-0376-SS-0125-01
Lab Sample ID: C40526-6 **Date Sampled:** 06/26/15
Matrix: SO - Soil **Date Received:** 06/27/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 81.0 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042659.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		44-135%
877-09-8	Tetrachloro-m-xylene	90%		44-135%
2051-24-3	Decachlorobiphenyl	75%		31-163%
2051-24-3	Decachlorobiphenyl	68%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP-0376-SS-0125-01		
Lab Sample ID:	C40526-6	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	81.0 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	19		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP-0376-SS-0125-01		
Lab Sample ID:	C40526-6L	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/09/15 15:12	PH	SW846 7196A

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID: DP-0376-SS-014-01
Lab Sample ID: C40526-7 **Date Sampled:** 06/26/15
Matrix: SO - Soil **Date Received:** 06/27/15
Method: SW846 8082 SW846 3550B **Percent Solids:** 82.7 [a]
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042792.D	1	07/03/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.5	ug/kg	
11104-28-2	Aroclor 1221	ND	33	16	ug/kg	
11141-16-5	Aroclor 1232	ND	33	16	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	16	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		44-135%
877-09-8	Tetrachloro-m-xylene	86%		44-135%
2051-24-3	Decachlorobiphenyl	90%		31-163%
2051-24-3	Decachlorobiphenyl	122%		31-163%

(a) All results reported on wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP-0376-SS-014-01		
Lab Sample ID:	C40526-7	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	82.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	1.4	1.0	mg/kg	1	07/10/15 15:56	PH	SW846 3060A/7196A
Moisture, Percent [a]	17.3		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP-0376-SS-014-01		
Lab Sample ID:	C40526-7L	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/09/15 15:13	PH	SW846 7196A

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0378A-SS-001-01		
Lab Sample ID:	C40526-8	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	88.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042793.D	1	07/03/15	RV	07/02/15	OP12547	GPP1360
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254 [b]	87.9	33	17	ug/kg	
11096-82-5	Aroclor 1260 [b]	10.3	33	6.6	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		44-135%
877-09-8	Tetrachloro-m-xylene	64%		44-135%
2051-24-3	Decachlorobiphenyl	58%		31-163%
2051-24-3	Decachlorobiphenyl	60%		31-163%

(a) All results reported on wet weight basis.
(b) Estimated value due to the presence of multiple overlapping Aroclor patterns. Reported from signal#1 due to CCV biased low on signal #2.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0378A-SS-001-01		
Lab Sample ID:	C40526-8	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	88.7 [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A
Moisture, Percent [a]	11.3		%	1	07/07/15 18:45	DQ	SM2540MOD G-97

(a) All results reported on wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DP0378A-SS-001-01		
Lab Sample ID:	C40526-8L	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	PP042880.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

PCB List **SPLP Leachate method SW846 1312**

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND		0.00020	0.000023	mg/l	
11104-28-2	Aroclor 1221	ND		0.00020	0.000084	mg/l	
11141-16-5	Aroclor 1232	ND		0.00020	0.000022	mg/l	
53469-21-9	Aroclor 1242	ND		0.00020	0.000044	mg/l	
12672-29-6	Aroclor 1248	ND		0.00020	0.000056	mg/l	
11097-69-1	Aroclor 1254	ND		0.00020	0.000018	mg/l	
11096-82-5	Aroclor 1260	ND		0.00020	0.000017	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%		28-116%
877-09-8	Tetrachloro-m-xylene	47%		28-116%
2051-24-3	Decachlorobiphenyl	14% [c]		36-121%
2051-24-3	Decachlorobiphenyl	21% [c]		36-121%

(a) All results reported on a wet weight basis.
(b) SPLP#GP8047.
(c) Outside control limits due to matrix interference (emulsion formed during extraction process).

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (not available)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DP0378A-SS-001-01		
Lab Sample ID:	C40526-8L	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	n/a [a]
Project:	HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/09/15 15:13	PH	SW846 7196A

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FEDEX Tracking # 8079 5768 4455
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C C40526

Client / Reporting Information

Company Name: Haley & aldrich
Address: 3187 Red Hill #155
City: COSTA MESA, CA 92626 (State / Zip)
Project Contact: Tom Tatnall
Phone #: (714) 371-1800
Samplers's Name: D. GARCIA

Project Information

Project Name: UTC Canoga SPLP Soil Sampling
Street: 6633 Canoga Ave
City: Canoga Park (State)
Project #: 32594-455
EMAIL: TTATNALL@haleyaldrich.com
Client Purchase Order #

Requested Analysis

Matrix Codes: WW- Wastewater; GW- Ground Water; SW- Surface Water; SO- Soil; OI-OI; WP-Wipe; LIQ - Non-aqueous Liquid; AIR; DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	CrVI	SPLP CrVI	PCBs	PCBs SPLP							HOLD	LAB USE ONLY
1	DP0378-SS-0025-01	6/26/15	1125	DG	SO	1					X				X	X	X	X								
2	DP0378-SS-0085-01	↓	1140	↓		1					X				X	X	X	X								
3	DP0378-SS-0125-01	↓	1203	↓		1					X				X	X	X	X								
4	DP0378-SS-014-01	↓	1213	↓		1					X														X	
5	DP-0376-SS-0085-01	↓	1222	↓		1					X				X	X	X	X								
6	DP-0376-SS-0125-01	↓	1245	↓		1					X				X	X	X	X								
7	DP-0376-SS-014-01	↓	1258	↓	↓	1					X														X	
8	DP-0378A-SS-0001-01	↓	1354	↓	↓	1					X				X	X	X	X								

Turnaround Time (Business days)

- [ ] 10 Day
- [x] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Approved By:/ Date:

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [x] EDF for Geotracker
- [x] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Emergency T/A data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1 [signature] 6/26/15	6-26-15 1450	1 [signature] 6-26-15 1500	2 [signature]	6-26-15 1545	2
3 FEDEX	6/27/15 094	3 [signature]	4		4
5		5	Custody Seal # INTACT		

Appropriate Bottle / Pres. Y / N — Headspace Y / N — On Ice Y / N — Cooler Temp.
Labels match Coc? Y / N — Separate Receiving Check List used: Y / N 3.2-0.1=3.1

IRVINE

C40526: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C40526 **Client:** HALEY & ALDRICH **Project:** UTC CANOGA SPLP SOIL SAMPLING

Date / Time Received: 6/27/2015 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 807657684455

Cooler Temps (Initial/Adjusted): #1: (3.2/3.1);

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Therm ID:	IR2;	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☐	☑
2. Trip Blank listed on COC:	☐	☐	☑
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

C40526: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C40526
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12524-MB	PP042637.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357

The QC reported here applies to the following samples: **Method:** SW846 8082

C40526-5, C40526-6

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	79%	44-135%
877-09-8	Tetrachloro-m-xylene	78%	44-135%
2051-24-3	Decachlorobiphenyl	68%	31-163%
2051-24-3	Decachlorobiphenyl	56%	31-163%

Method Blank Summary

Job Number: C40526
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12547-MB	PP042783.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360

The QC reported here applies to the following samples: **Method:** SW846 8082

C40526-1, C40526-2, C40526-3, C40526-4, C40526-7, C40526-8

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	75%	44-135%
877-09-8	Tetrachloro-m-xylene	76%	44-135%
2051-24-3	Decachlorobiphenyl	84%	31-163%
2051-24-3	Decachlorobiphenyl	112%	31-163%

Method Blank Summary

Job Number: C40526
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12595-MB	PP042882.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365

The QC reported here applies to the following samples: **Method:** SW846 8082

C40526-8L

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.050	0.0058	ug/l	
11104-28-2	Aroclor 1221	ND	0.050	0.021	ug/l	
11141-16-5	Aroclor 1232	ND	0.050	0.0056	ug/l	
53469-21-9	Aroclor 1242	ND	0.050	0.011	ug/l	
12672-29-6	Aroclor 1248	ND	0.050	0.014	ug/l	
11097-69-1	Aroclor 1254	ND	0.050	0.0045	ug/l	
11096-82-5	Aroclor 1260	ND	0.050	0.0043	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	70%	28-116%
877-09-8	Tetrachloro-m-xylene	50%	28-116%
2051-24-3	Decachlorobiphenyl	63%	36-121%
2051-24-3	Decachlorobiphenyl	83%	36-121%

Method Blank Summary

Job Number: C40526
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12595-MB2	PP042883.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365

The QC reported here applies to the following samples: **Method:** SW846 8082

C40526-8L

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.20	0.023	ug/l	
11104-28-2	Aroclor 1221	ND	0.20	0.084	ug/l	
11141-16-5	Aroclor 1232	ND	0.20	0.022	ug/l	
53469-21-9	Aroclor 1242	ND	0.20	0.044	ug/l	
12672-29-6	Aroclor 1248	ND	0.20	0.056	ug/l	
11097-69-1	Aroclor 1254	ND	0.20	0.018	ug/l	
11096-82-5	Aroclor 1260	ND	0.20	0.017	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	75%	28-116%
877-09-8	Tetrachloro-m-xylene	55%	28-116%
2051-24-3	Decachlorobiphenyl	48%	36-121%
2051-24-3	Decachlorobiphenyl	63%	36-121%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40526
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12524-BS	PP042638.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357
OP12524-BSD	PP042639.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357

The QC reported here applies to the following samples: **Method:** SW846 8082

C40526-5, C40526-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	133	97.6	73	105	79	7	46-116/16
11096-82-5	Aroclor 1260	133	104	78	108	81	4	44-128/15

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	81%	82%	44-135%
877-09-8	Tetrachloro-m-xylene	88%	101%	44-135%
2051-24-3	Decachlorobiphenyl	72%	75%	31-163%
2051-24-3	Decachlorobiphenyl	56%	61%	31-163%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40526
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12547-BS	PP042784.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360
OP12547-BSD	PP042785.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360

The QC reported here applies to the following samples: **Method:** SW846 8082

C40526-1, C40526-2, C40526-3, C40526-4, C40526-7, C40526-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	133	94.1	71	94.3	71	0	46-116/16
11096-82-5	Aroclor 1260	133	118	89	121	91	3	44-128/15

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	76%	72%	44-135%
877-09-8	Tetrachloro-m-xylene	78%	67%	44-135%
2051-24-3	Decachlorobiphenyl	83%	83%	31-163%
2051-24-3	Decachlorobiphenyl	110%	108%	31-163%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40526
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12595-BS	OO377333.D	1	07/13/15	RV	07/09/15	OP12595	GOO1449
OP12595-BSD	OO377334.D	1	07/13/15	RV	07/09/15	OP12595	GOO1449

The QC reported here applies to the following samples: **Method:** SW846 8082

C40526-8L

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	2	1.6	80	1.8	90	12	52-110/20
11096-82-5	Aroclor 1260	2	1.0	50	1.3	65	26* [a]	50-121/19

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	88%	91%	28-116%
877-09-8	Tetrachloro-m-xylene	82%	86%	28-116%
2051-24-3	Decachlorobiphenyl	60%	69%	36-121%
2051-24-3	Decachlorobiphenyl	56%	66%	36-121%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: C40526
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12595-MS	PP042881.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365
C40509-18L [a]	PP042877.D	1	07/10/15	RV	07/09/15	OP12595	GPP1365

The QC reported here applies to the following samples: **Method:** SW846 8082

C40526-8L

CAS No.	Compound	C40509-18L ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
12674-11-2	Aroclor 1016	ND		1.6	1.3	81	52-110
11096-82-5	Aroclor 1260	ND		1.6	1.2	75	50-121

CAS No.	Surrogate Recoveries	MS	C40509-18L	Limits
877-09-8	Tetrachloro-m-xylene	83%	66%	28-116%
877-09-8	Tetrachloro-m-xylene	67%	55%	28-116%
2051-24-3	Decachlorobiphenyl	78%	63%	36-121%
2051-24-3	Decachlorobiphenyl	104%	81%	36-121%

(a) SPLP#GP8047.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40526
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12547-MS	PP042805.D	5	07/03/15	RV	07/02/15	OP12547	GPP1360
OP12547-MSD	PP042806.D	5	07/03/15	RV	07/02/15	OP12547	GPP1360
C40475-8	PP042776.D	1	07/02/15	RV	07/02/15	OP12547	GPP1360

The QC reported here applies to the following samples: **Method:** SW846 8082

C40526-1, C40526-2, C40526-3, C40526-4, C40526-7, C40526-8

CAS No.	Compound	C40475-8 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		133	117	88	133	114	86	3	46-116/16
11096-82-5	Aroclor 1260	ND		133	122	92	133	129	97	6	44-128/15

CAS No.	Surrogate Recoveries	MS	MSD	C40475-8	Limits
877-09-8	Tetrachloro-m-xylene	75%	75%	71%	44-135%
877-09-8	Tetrachloro-m-xylene	88%	88%	62%	44-135%
2051-24-3	Decachlorobiphenyl	90%	88%	75%	31-163%
2051-24-3	Decachlorobiphenyl	101%	86%	99%	31-163%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40526
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GN16801	0.010	0.0	mg/l	0.1	0.10	100.0	85-115%
Chromium, Hexavalent	GP8024/GN16755			mg/kg	1133	1080	95.1	80-120%
Chromium, Hexavalent	GP8024/GN16755	1.0	0.0	mg/kg	40	36.4	91.0	80-120%
Chromium, Hexavalent	GP8050/GN16802	1.0	0.0	mg/kg	1068	1010	94.9	80-120%
Chromium, Hexavalent	GP8050/GN16802			mg/kg	40	38.8	96.9	80-120%
Moisture, Percent	GN16781			%				

Associated Samples:
Batch GP8024: C40526-1, C40526-2, C40526-3, C40526-5, C40526-6, C40526-8
Batch GP8050: C40526-4, C40526-7
Batch GN16781: C40526-1, C40526-2, C40526-3, C40526-4, C40526-5, C40526-6, C40526-7, C40526-8
Batch GN16801: C40526-1L, C40526-2L, C40526-3L, C40526-4L, C40526-5L, C40526-6L, C40526-7L, C40526-8L
(*) Outside of QC limits

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40526
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Chromium, Hexavalent	GN16801	mg/l	0.1	0.10	0.0	25%

Associated Samples:
Batch GN16801: C40526-1L, C40526-2L, C40526-3L, C40526-4L, C40526-5L, C40526-6L, C40526-7L, C40526-8L
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40526
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	0.0	0.0	0-20%
Chromium, Hexavalent	GP8050/GN16802	C40526-4	mg/kg	0.0	0.0	0.0	0-20%
Moisture, Percent	GN16781	C40526-2	%	12.8	12.4	3.2	0-25%

Associated Samples:
Batch GP8024: C40526-1, C40526-2, C40526-3, C40526-5, C40526-6, C40526-8
Batch GP8050: C40526-4, C40526-7
Batch GN16781: C40526-1, C40526-2, C40526-3, C40526-4, C40526-5, C40526-6, C40526-7, C40526-8
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40526
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GN16801	C40526-5L	mg/l	0.0	0.1	0.10	100.5	75-125%
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	150	143	95.4	75-125%
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	40	40.3	100.6	75-125%
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	926	873	94.2	75-125%
Chromium, Hexavalent	GP8050/GN16802	C40526-4	mg/kg	0.0	1384	1360	98.1	75-125%
Chromium, Hexavalent	GP8050/GN16802	C40526-4	mg/kg	0.0	150	148	98.5	75-125%
Chromium, Hexavalent	GP8050/GN16802	C40526-4	mg/kg	0.0	40	39.1	97.6	75-125%

Associated Samples:
Batch GP8024: C40526-1, C40526-2, C40526-3, C40526-5, C40526-6, C40526-8
Batch GP8050: C40526-4, C40526-7
Batch GN16801: C40526-1L, C40526-2L, C40526-3L, C40526-4L, C40526-5L, C40526-6L, C40526-7L, C40526-8L
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40526
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 SPLP Soil Sampling - UTC Canoga Park

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chromium, Hexavalent	GN16801	C40526-5L	mg/l	0.0	0.1	0.10	0.0	25%

Associated Samples:
Batch GN16801: C40526-1L, C40526-2L, C40526-3L, C40526-4L, C40526-5L, C40526-6L, C40526-7L, C40526-8L
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

8100 Secura Way • Santa Fe Springs, CA 90670
Telephone (562) 347-2500 • Fax (562) 907-3610

July 13, 2015

Tom Tatnall
Haley & Aldrich, Inc.
3187 Red Hill Avenue, Suite 155
Costa Mesa, CA 92626-3410

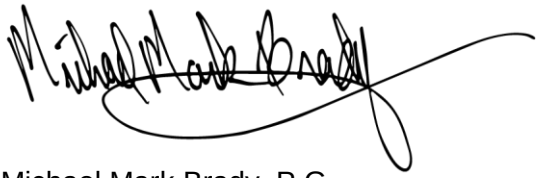
Re: PTS File No: 45385
Physical Properties Data
UTC Canoga Park; 32594-455

Dear Mr. Tatnall:

Please find enclosed report for Physical Properties analyses conducted upon samples received from your UTC Canoga Park; 32594-455 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. The samples are currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the samples will be disposed of at that time. You may contact me regarding storage, disposal, or return of the samples.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please give me a call at (562) 347-2502.

Sincerely,
PTS Laboratories, Inc.



Michael Mark Brady, P.G.
Laboratory Director

Encl.

Project Name: UTC Canoga Park
Project Number: 32594-455

PTS File No: 45385
Client: Haley & Aldrich, Inc.

TEST PROGRAM - 20150626

CORE ID	Depth ft.	Core Recovery ft.	CAL-EPA DTSC Vapor Intrusion						Comments
		Plugs:	Various						
Date Received: 20150626									
DP0375-SS-005-006	**N/A**	**0.95**	**X**						
DP0375-SS-08.5-010	**N/A**	**1.25**	**X**						
DP0375-SS-010.5-012	**N/A**	**1.45**	**X**						
DP0387-SS-0.5-1.5	**N/A**	**0.90**	**X**						
DP0387-SS-1.5-2.5	**N/A**	**1.10**	**X**						
DP0387-SS-5-6	**N/A**	**0.85**	**X**						
DP0387-SS-14-15	**N/A**	**1.00**	**X**						
DP0383-SS-0.5-1.2	**N/A**	**0.70**	**X**						
DP0383-SS-1.5-2.5	**N/A**	**1.20**	**X**						
DP0383-SS-10.5-12-01	**N/A**	**1.45**	**X**						
DP0383-SS-005-006-01	**N/A**	**1.20**	**X**						
DP0379-SS-1-2-01	**N/A**	**0.75**	**X**						
DP0379-SS-2-3-01	**N/A**	**1.05**	**X**						
DP0379-SS-7-8	**N/A**	**1.05**	**X**						
DP0379-SS-11.5-13	**N/A**	**1.10**	**X**						
DP0379-SS-13.5-15	**N/A**	**1.30**							HOLD
DP0391-SS-0.5-1.5	**N/A**	**1.15**	**X**						
DP0391-SS-1.5-3	**N/A**	**1.30**	**X**						
DP0391-SS-6.25-7.5	**N/A**	**1.20**	**X**						
TOTALS:	**19 Cores**	**20.95**	**18**						**19**

Laboratory Test Program Notes
Contaminant identification:
Standard TAT for basic analysis is 10 business days.
CAL-EPA DTSC Vapor Intrusion: Bulk & grain density, total porosity, moisture content, volumetric air & moisture, TOC/foc, and grain size distribution.

PTS Laboratories

PTS File No: 45385
Client: Haley & Aldrich, Inc.
Report Date: 07/13/15

PHYSICAL PROPERTIES DATA - CAL-EPA DTSC Vapor Intrusion Package

Project Name: UTC Canoga Park
Project No: 32594-455

			METHODS:	API RP40/ASTM D2216		API RP 40		API RP 40		
				MOISTURE CONTENT,		DENSITY		POROSITY, (2)		
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	ANALYSIS DATE	% weight	cm^3/cm^3	DRY BULK, g/cm^3	GRAIN, g/cm^3	TOTAL, cm^3/cm^3	AIR-FILLED, cm^3/cm^3	WATER-FILLED, cm^3/cm^3
DP0375-SS-005-006	5.1	V	20150709	20.2	0.308	1.52	2.69	0.435	0.127	0.308
DP0375-SS-08.5-010	8.6	V	20150709	20.6	0.323	1.57	2.63	0.405	0.082	0.323
DP0375-SS-010.5-012	10.6	V	20150709	20.2	0.307	1.52	2.63	0.422	0.116	0.307
DP0387-SS-0.5-1.5	0.9	V	20150709	6.1	0.087	1.41	2.58	0.454	0.368	0.087
DP0387-SS-1.5-2.5	1.6	V	20150709	17.1	0.275	1.60	2.57	0.378	0.103	0.275
DP0387-SS-5-6	5.35	V	20150709	14.1	0.219	1.55	2.58	0.398	0.179	0.219
DP0387-SS-14-15	14.1	V	20150709	20.2	0.311	1.53	2.59	0.407	0.096	0.311
DP0383-SS-0.5-1.2	0.7	V	20150709	11.0	0.139	1.26	2.62	0.518	0.379	0.139
DP0383-SS-1.5-2.5	1.6	V	20150709	23.9	0.362	1.51	2.58	0.413	0.051	0.362
DP0383-SS-10.5-12-01	10.6	V	20150709	20.3	0.323	1.59	2.60	0.388	0.065	0.323
DP0383-SS-005-006-01	5.1	V	20150709	15.8	0.218	1.38	2.60	0.470	0.251	0.218
DP0379-SS-1-2-01	1.5	V	20150709	16.7	0.278	1.66	2.61	0.363	0.086	0.278
DP0379-SS-2-3-01	2.1	V	20150709	14.3	0.234	1.64	2.61	0.371	0.137	0.234
DP0379-SS-7-8	7.1	V	20150709	13.9	0.211	1.52	2.60	0.415	0.205	0.211
DP0379-SS-11.5-13	11.6	V	20150709	22.8	0.339	1.49	2.59	0.425	0.085	0.339
DP0391-SS-0.5-1.5	0.6	V	20150709	23.0	0.333	1.44	2.58	0.442	0.109	0.333
DP0391-SS-1.5-3	1.6	V	20150709	22.5	0.340	1.51	2.57	0.412	0.073	0.340
DP0391-SS-6.25-7.5	6.35	V	20150709	14.0	0.202	1.45	2.59	0.442	0.240	0.202

(1) Sample Orientation: H = horizontal; V = vertical; R = remold

(2) Total Porosity = all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids.

Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: UTC Canoga Park
PROJECT NO: 32594-455

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
DP0375-SS-005-006	5.25	Silt	0.031	0.00	0.00	3.46	27.37	49.62	19.56	69.17
DP0375-SS-08.5-010	8.7	Silt	0.025	0.00	0.00	2.69	25.91	49.21	22.19	71.40
DP0375-SS-010.5-012	10.75	Silt	0.028	0.00	0.00	4.21	26.10	48.15	21.54	69.69
DP0387-SS-1.5-2.5	1.85	Silt	0.016	0.00	0.00	0.00	21.31	50.66	28.03	78.68
DP0387-SS-5-6	5.2	Silt	0.034	0.00	0.00	7.49	29.35	43.34	19.83	63.17
DP0387-SS-14-15	14.4	Silt	0.019	0.00	0.00	1.76	21.95	51.71	24.58	76.29
DP0383-SS-0.5-1.2	0.9	Fine sand	0.098	0.00	0.00	22.81	32.15	32.64	12.40	45.04
DP0383-SS-1.5-2.5	1.85	Silt	0.006	0.00	0.00	0.00	4.93	51.33	43.74	95.07
DP0383-SS-10.5-12-01	10.85	Silt	0.011	0.00	0.00	0.00	12.97	56.27	30.76	87.03
DP0383-SS-005-006-01	5.35	Silt	0.026	0.00	0.00	3.47	23.60	53.90	19.02	72.92
DP0379-SS-2-3-01	2.35	Fine sand	0.038	0.00	0.00	11.07	27.07	42.94	18.92	61.86
DP0379-SS-7-8	7.4	Silt	0.019	0.00	0.00	0.88	27.01	50.68	21.43	72.11
DP0379-SS-11.5-13	11.9	Silt	0.016	0.00	0.00	0.00	19.76	53.07	27.18	80.24
DP0391-SS-0.5-1.5	0.9	Silt	0.021	0.00	0.00	3.41	23.64	48.71	24.24	72.95

(1) Based on Mean from Trask

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: UTC Canoga Park
PROJECT NO: 32594-455

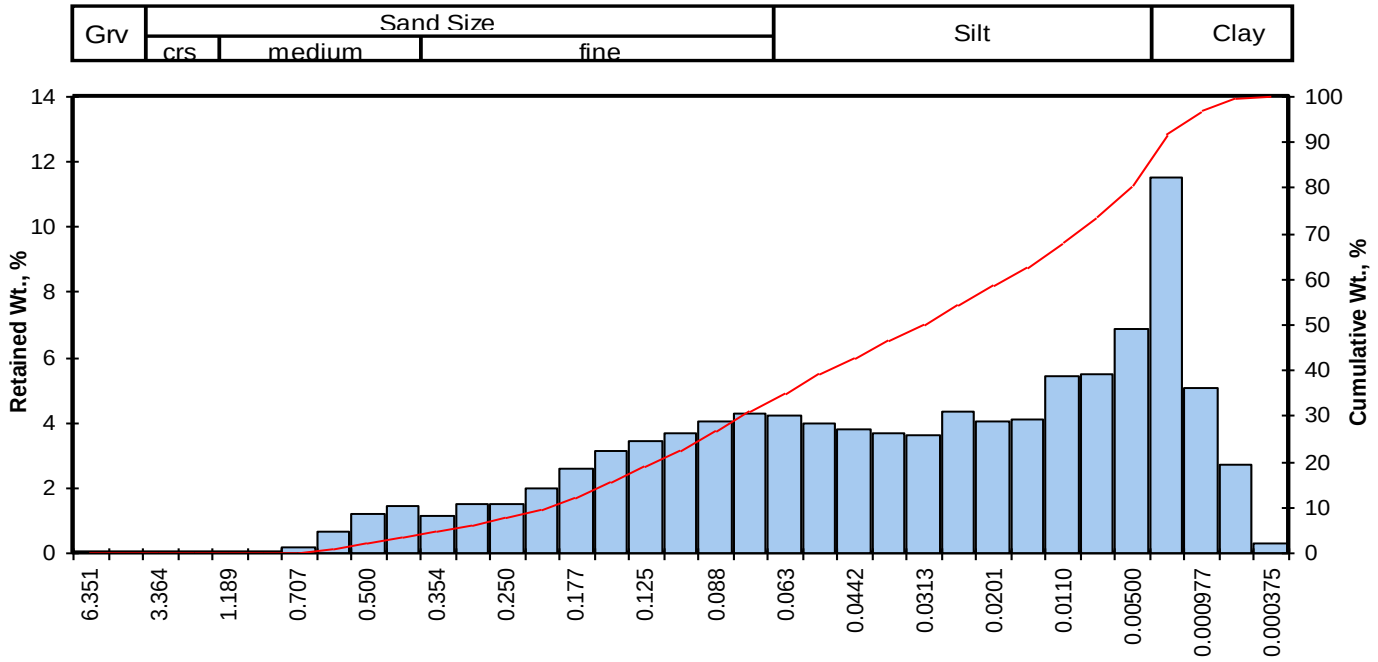
Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
DP0391-SS-1.5-3	1.9	Silt	0.008	0.00	0.00	0.00	7.57	53.37	39.06	92.43
DP0391-SS-6.25-7.5	6.65	Silt	0.025	0.00	0.00	7.32	23.17	49.02	20.50	69.51

(1) Based on Mean from Trask

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0375-SS-005-006
Project No:	32594-455	**Depth, ft:**	5.25



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.01	0.01	0.01
0.0278	0.707	0.50	25	0.16	0.16	0.17
0.0234	0.595	0.75	30	0.64	0.64	0.81
0.0197	0.500	1.00	35	1.20	1.20	2.01
0.0166	0.420	1.25	40	1.45	1.45	3.46
0.0139	0.354	1.50	45	1.16	1.16	4.62
0.0117	0.297	1.75	50	1.50	1.50	6.12
0.0098	0.250	2.00	60	1.48	1.48	7.60
0.0083	0.210	2.25	70	1.98	1.98	9.58
0.0070	0.177	2.50	80	2.62	2.62	12.20
0.0059	0.149	2.75	100	3.16	3.16	15.36
0.0049	0.125	3.00	120	3.46	3.46	18.82
0.0041	0.105	3.25	140	3.71	3.71	22.53
0.0035	0.088	3.50	170	4.04	4.04	26.57
0.0029	0.074	3.75	200	4.26	4.26	30.83
0.0025	0.063	4.00	230	4.22	4.22	35.05
0.0021	0.053	4.25	270	3.98	3.98	39.02
0.00174	0.0442	4.50	325	3.80	3.80	42.82
0.00146	0.0372	4.75	400	3.70	3.70	46.52
0.00123	0.0313	5.00	450	3.60	3.60	50.12
0.000986	0.0250	5.32	500	4.37	4.37	54.49
0.000790	0.0201	5.64	635	4.04	4.04	58.53
0.000615	0.0156	6.00		4.11	4.11	62.64
0.000435	0.0110	6.50		5.45	5.45	68.09
0.000308	0.00781	7.00		5.48	5.48	73.57
0.000197	0.00500	7.65		6.87	6.87	80.44
0.000077	0.00195	9.00		11.50	11.50	91.94
0.000038	0.000977	10.00		5.04	5.04	96.98
0.000019	0.000488	11.00		2.73	2.73	99.71
0.000015	0.000375	11.38		0.29	0.29	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	1.56	0.0133	0.338
10	2.29	0.0080	0.204
16	2.80	0.0057	0.144
25	3.40	0.0037	0.095
40	4.31	0.0020	0.050
50	4.99	0.0012	0.031
60	5.77	0.0007	0.018
75	7.13	0.0003	0.007
84	8.06	0.0001	0.004
90	8.77	0.0001	0.002
95	9.61	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	4.99	4.99	4.99
Median, in.	0.0012	0.0012	0.0012
Median, mm	0.031	0.031	0.031
Mean, phi	4.30	5.43	5.28
Mean, in.	0.0020	0.0009	0.0010
Mean, mm	0.051	0.023	0.026
Sorting	3.644	2.634	2.536
Skewness	0.825	0.167	0.157
Kurtosis	0.216	0.527	0.884

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	3.46
Fine Sand	200	27.37
Silt	>0.005 mm	49.62
Clay	<0.005 mm	19.56
	Total	**100**

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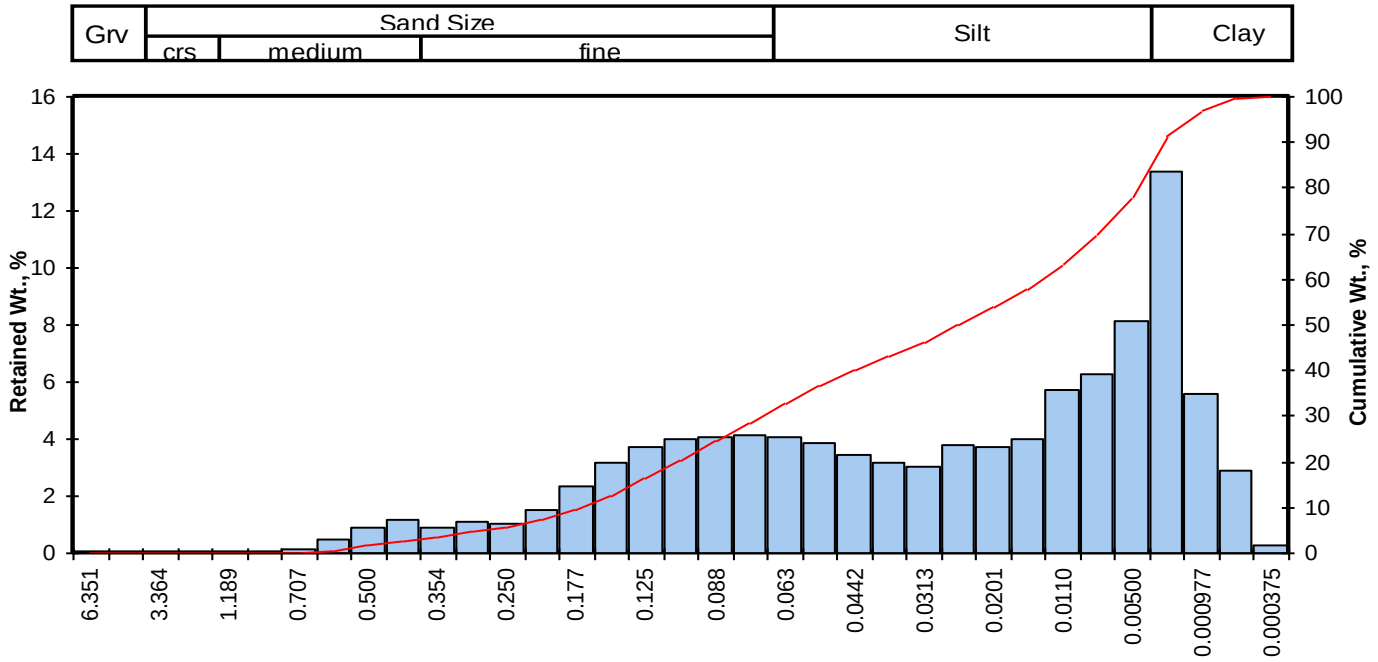
Phone: (562) 907-3607
Fax: (562) 907-3610

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0375-SS-08.5-010
Project No:	32594-455	**Depth, ft:**	8.7



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.01	0.01	0.01
0.0278	0.707	0.50	25	0.12	0.12	0.13
0.0234	0.595	0.75	30	0.49	0.49	0.62
0.0197	0.500	1.00	35	0.93	0.93	1.55
0.0166	0.420	1.25	40	1.14	1.14	2.69
0.0139	0.354	1.50	45	0.90	0.90	3.59
0.0117	0.297	1.75	50	1.07	1.07	4.66
0.0098	0.250	2.00	60	1.02	1.02	5.68
0.0083	0.210	2.25	70	1.53	1.53	7.21
0.0070	0.177	2.50	80	2.32	2.32	9.53
0.0059	0.149	2.75	100	3.17	3.17	12.70
0.0049	0.125	3.00	120	3.71	3.71	16.42
0.0041	0.105	3.25	140	3.97	3.97	20.39
0.0035	0.088	3.50	170	4.07	4.07	24.46
0.0029	0.074	3.75	200	4.14	4.14	28.60
0.0025	0.063	4.00	230	4.09	4.09	32.69
0.0021	0.053	4.25	270	3.84	3.84	36.54
0.00174	0.0442	4.50	325	3.48	3.48	40.02
0.00146	0.0372	4.75	400	3.17	3.17	43.19
0.00123	0.0313	5.00	450	3.02	3.02	46.21
0.000986	0.0250	5.32	500	3.81	3.81	50.02
0.000790	0.0201	5.64	635	3.74	3.74	53.77
0.000615	0.0156	6.00		3.97	3.97	57.74
0.000435	0.0110	6.50		5.70	5.70	63.44
0.000308	0.00781	7.00		6.24	6.24	69.68
0.000197	0.00500	7.65		8.12	8.12	77.81
0.000077	0.00195	9.00		13.40	13.41	91.22
0.000038	0.000977	10.00		5.56	5.56	96.78
0.000019	0.000488	11.00		2.91	2.91	99.69
0.000015	0.000375	11.38		0.31	0.31	100.00
TOTALS				**99.90**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	1.83	0.0110	0.281
10	2.54	0.0068	0.172
16	2.97	0.0050	0.127
25	3.53	0.0034	0.086
40	4.50	0.0017	0.044
50	5.32	0.0010	0.025
60	6.20	0.0005	0.014
75	7.42	0.0002	0.006
84	8.27	0.0001	0.003
90	8.88	0.0001	0.002
95	9.68	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.32	5.32	5.32
Median, in.	0.0010	0.0010	0.0010
Median, mm	0.025	0.025	0.025
Mean, phi	4.44	5.62	5.52
Mean, in.	0.0018	0.0008	0.0009
Mean, mm	0.046	0.020	0.022
Sorting	3.850	2.649	2.514
Skewness	0.895	0.115	0.113
Kurtosis	0.237	0.481	0.827

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	2.69
Fine Sand	200	25.91
Silt	>0.005 mm	49.21
Clay	<0.005 mm	22.19
	Total	**100**

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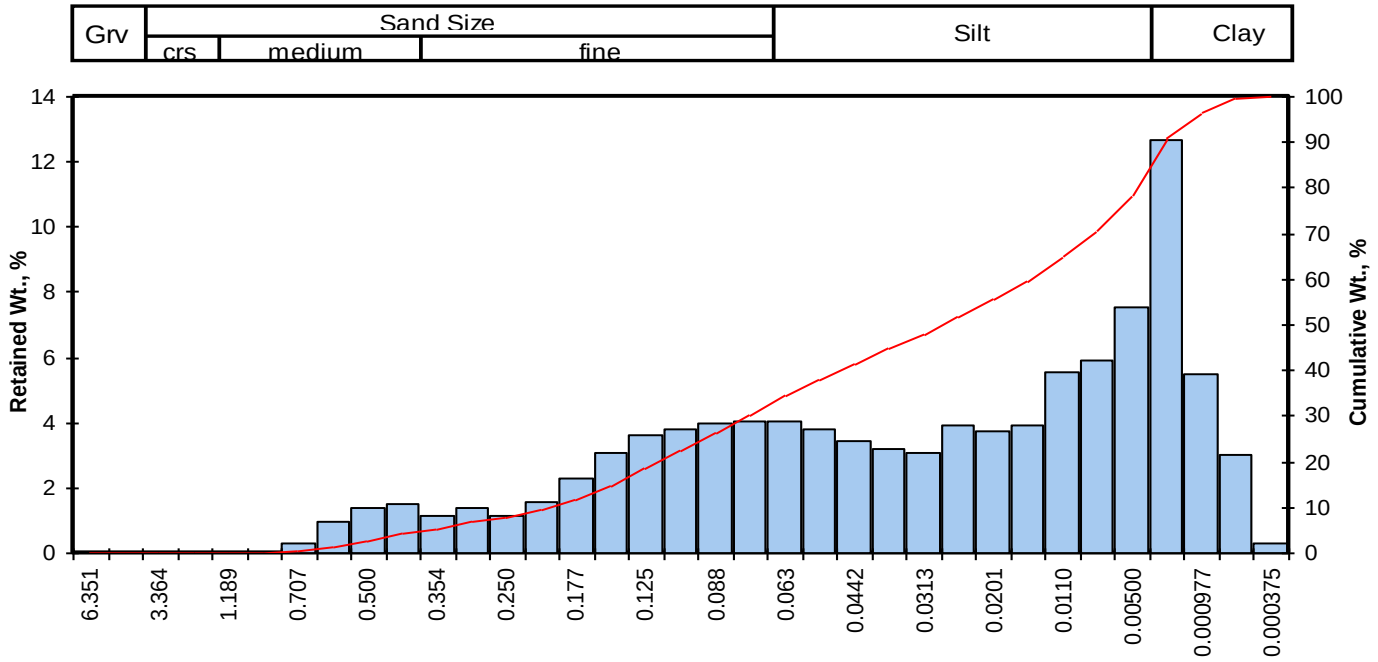
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0375-SS-010.5-012
Project No:	32594-455	**Depth, ft:**	10.75



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.02	0.02	0.02
0.0278	0.707	0.50	25	0.30	0.30	0.32
0.0234	0.595	0.75	30	0.99	0.99	1.31
0.0197	0.500	1.00	35	1.41	1.41	2.72
0.0166	0.420	1.25	40	1.49	1.49	4.21
0.0139	0.354	1.50	45	1.15	1.15	5.36
0.0117	0.297	1.75	50	1.38	1.38	6.74
0.0098	0.250	2.00	60	1.17	1.17	7.90
0.0083	0.210	2.25	70	1.56	1.56	9.46
0.0070	0.177	2.50	80	2.28	2.28	11.74
0.0059	0.149	2.75	100	3.10	3.10	14.84
0.0049	0.125	3.00	120	3.61	3.61	18.45
0.0041	0.105	3.25	140	3.83	3.83	22.28
0.0035	0.088	3.50	170	3.96	3.96	26.24
0.0029	0.074	3.75	200	4.07	4.07	30.31
0.0025	0.063	4.00	230	4.05	4.05	34.35
0.0021	0.053	4.25	270	3.79	3.79	38.14
0.00174	0.0442	4.50	325	3.43	3.43	41.57
0.00146	0.0372	4.75	400	3.17	3.17	44.74
0.00123	0.0313	5.00	450	3.10	3.10	47.84
0.000986	0.0250	5.32	500	3.92	3.92	51.76
0.000790	0.0201	5.64	635	3.77	3.77	55.53
0.000615	0.0156	6.00		3.94	3.94	59.47
0.000435	0.0110	6.50		5.54	5.54	65.00
0.000308	0.00781	7.00		5.89	5.89	70.89
0.000197	0.00500	7.65		7.57	7.57	78.46
0.000077	0.00195	9.00		12.70	12.70	91.15
0.000038	0.000977	10.00		5.51	5.51	96.66
0.000019	0.000488	11.00		3.02	3.02	99.68
0.000015	0.000375	11.38		0.32	0.32	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	1.42	0.0147	0.373
10	2.31	0.0079	0.202
16	2.83	0.0055	0.141
25	3.42	0.0037	0.093
40	4.39	0.0019	0.048
50	5.18	0.0011	0.028
60	6.05	0.0006	0.015
75	7.35	0.0002	0.006
84	8.24	0.0001	0.003
90	8.88	0.0001	0.002
95	9.70	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.18	5.18	5.18
Median, in.	0.0011	0.0011	0.0011
Median, mm	0.028	0.028	0.028
Mean, phi	4.33	5.53	5.41
Mean, in.	0.0020	0.0009	0.0009
Mean, mm	0.050	0.022	0.023
Sorting	3.902	2.703	2.605
Skewness	0.865	0.132	0.112
Kurtosis	0.218	0.531	0.863

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	4.21
Fine Sand	200	26.10
Silt	>0.005 mm	48.15
Clay	<0.005 mm	21.54
	Total	**100**

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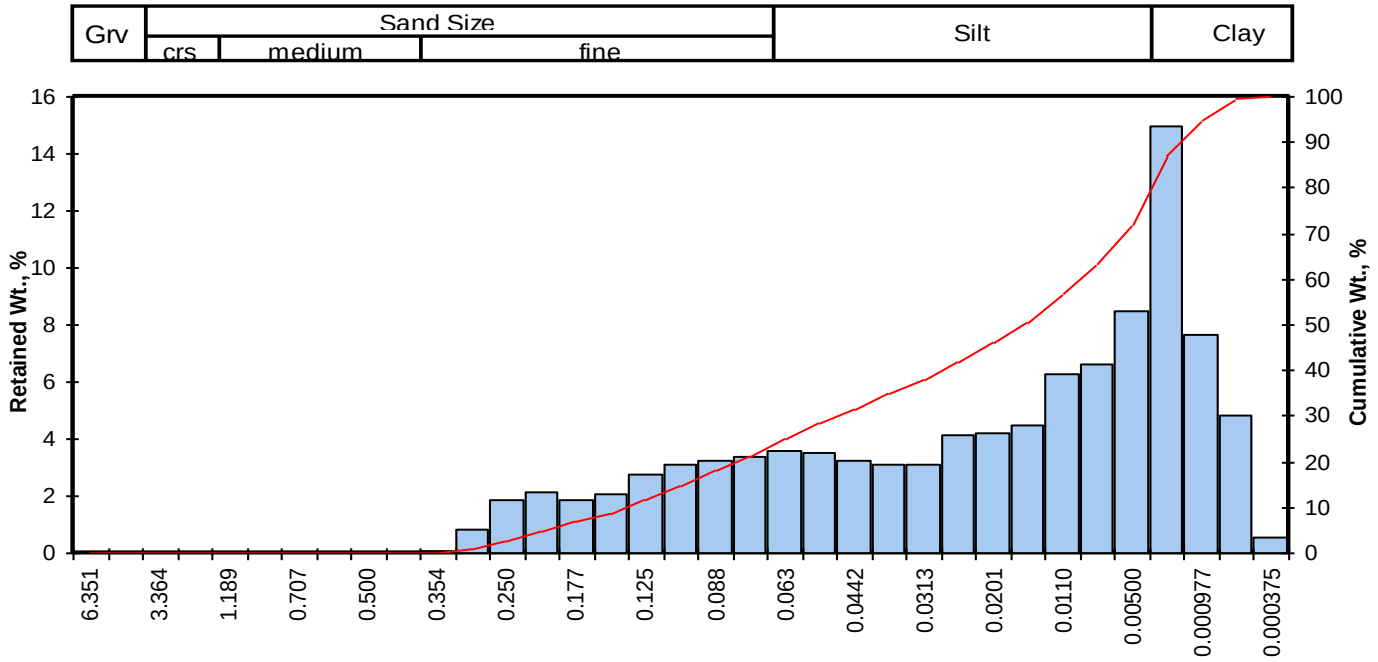
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0387-SS-1.5-2.5
Project No:	32594-455	**Depth, ft:**	1.85



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.06	0.06	0.06
0.0117	0.297	1.75	50	0.82	0.82	0.88
0.0098	0.250	2.00	60	1.86	1.86	2.74
0.0083	0.210	2.25	70	2.13	2.13	4.87
0.0070	0.177	2.50	80	1.84	1.84	6.71
0.0059	0.149	2.75	100	2.08	2.08	8.79
0.0049	0.125	3.00	120	2.76	2.76	11.55
0.0041	0.105	3.25	140	3.13	3.13	14.68
0.0035	0.088	3.50	170	3.23	3.23	17.91
0.0029	0.074	3.75	200	3.41	3.41	21.32
0.0025	0.063	4.00	230	3.58	3.58	24.90
0.0021	0.053	4.25	270	3.50	3.50	28.39
0.00174	0.0442	4.50	325	3.24	3.24	31.63
0.00146	0.0372	4.75	400	3.08	3.08	34.71
0.00123	0.0313	5.00	450	3.13	3.13	37.84
0.000986	0.0250	5.32	500	4.17	4.17	42.01
0.000790	0.0201	5.64	635	4.18	4.18	46.19
0.000615	0.0156	6.00		4.45	4.45	50.64
0.000435	0.0110	6.50		6.25	6.25	56.89
0.000308	0.00781	7.00		6.60	6.60	63.49
0.000197	0.00500	7.65		8.48	8.48	71.97
0.000077	0.00195	9.00		15.00	15.00	86.97
0.000038	0.000977	10.00		7.68	7.68	94.65
0.000019	0.000488	11.00		4.82	4.82	99.47
0.000015	0.000375	11.38		0.53	0.53	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	2.27	0.0082	0.208
10	2.86	0.0054	0.138
16	3.35	0.0039	0.098
25	4.01	0.0024	0.062
40	5.17	0.0011	0.028
50	5.95	0.0006	0.016
60	6.74	0.0004	0.009
75	7.92	0.0002	0.004
84	8.73	0.0001	0.002
90	9.39	0.0001	0.001
95	10.07	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.95	5.95	5.95
Median, in.	0.0006	0.0006	0.0006
Median, mm	0.016	0.016	0.016
Mean, phi	4.91	6.04	6.01
Mean, in.	0.0013	0.0006	0.0006
Mean, mm	0.033	0.015	0.016
Sorting	3.879	2.690	2.527
Skewness	0.990	0.035	0.046
Kurtosis	0.213	0.451	0.818
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	21.31
Silt	>0.005 mm	50.66
Clay	<0.005 mm	28.03
	Total	**100**

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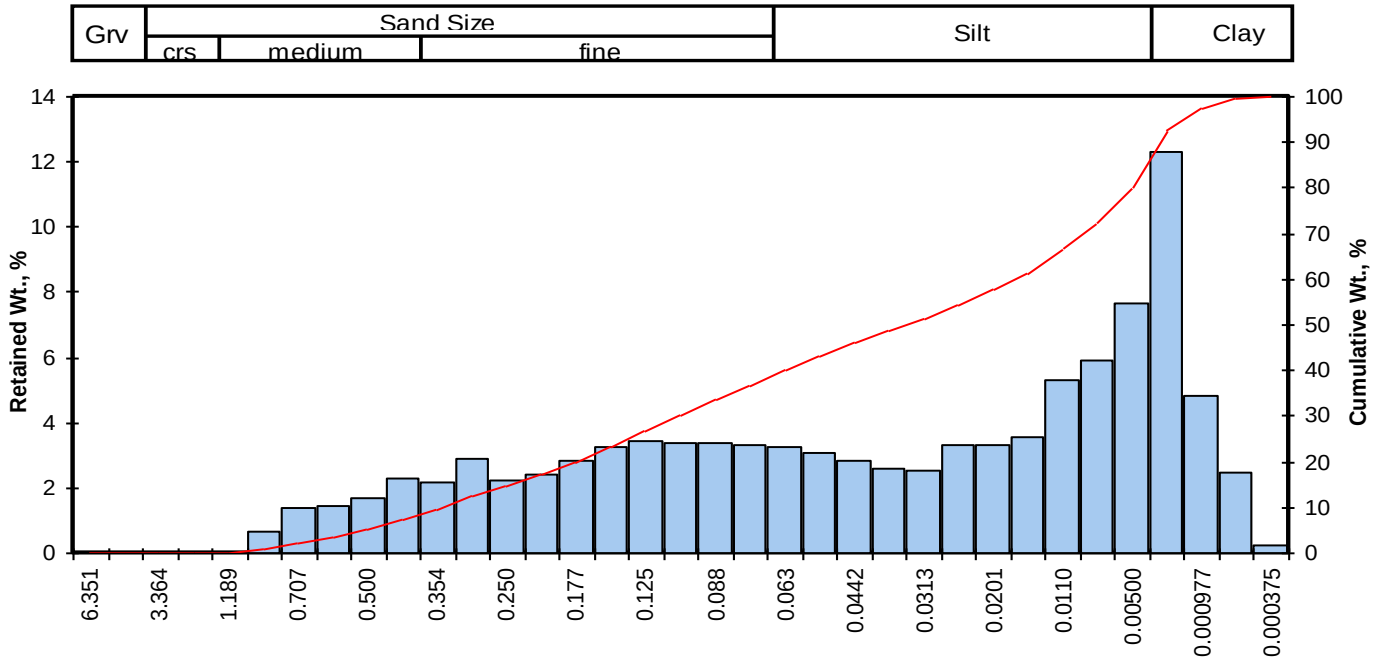
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0387-SS-5-6
Project No:	32594-455	**Depth, ft:**	5.2



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.67	0.67	0.67
0.0278	0.707	0.50	25	1.37	1.37	2.04
0.0234	0.595	0.75	30	1.42	1.42	3.46
0.0197	0.500	1.00	35	1.71	1.71	5.17
0.0166	0.420	1.25	40	2.32	2.32	7.49
0.0139	0.354	1.50	45	2.20	2.20	9.69
0.0117	0.297	1.75	50	2.89	2.89	12.57
0.0098	0.250	2.00	60	2.26	2.26	14.83
0.0083	0.210	2.25	70	2.39	2.39	17.22
0.0070	0.177	2.50	80	2.82	2.82	20.04
0.0059	0.149	2.75	100	3.26	3.26	23.30
0.0049	0.125	3.00	120	3.43	3.43	26.73
0.0041	0.105	3.25	140	3.41	3.41	30.13
0.0035	0.088	3.50	170	3.36	3.36	33.49
0.0029	0.074	3.75	200	3.34	3.34	36.83
0.0025	0.063	4.00	230	3.26	3.26	40.09
0.0021	0.053	4.25	270	3.07	3.07	43.16
0.00174	0.0442	4.50	325	2.82	2.82	45.98
0.00146	0.0372	4.75	400	2.62	2.62	48.60
0.00123	0.0313	5.00	450	2.56	2.56	51.15
0.000986	0.0250	5.32	500	3.31	3.31	54.46
0.000790	0.0201	5.64	635	3.30	3.30	57.76
0.000615	0.0156	6.00		3.57	3.57	61.33
0.000435	0.0110	6.50		5.29	5.29	66.62
0.000308	0.00781	7.00		5.90	5.90	72.51
0.000197	0.00500	7.65		7.66	7.66	80.17
0.000077	0.00195	9.00		12.30	12.29	92.46
0.000038	0.000977	10.00		4.80	4.80	97.26
0.000019	0.000488	11.00		2.48	2.48	99.74
0.000015	0.000375	11.38		0.26	0.26	100.00
TOTALS				**100.10**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	0.98	0.0200	0.509
10	1.53	0.0137	0.347
16	2.12	0.0090	0.230
25	2.87	0.0054	0.136
40	3.99	0.0025	0.063
50	4.89	0.0013	0.034
60	5.87	0.0007	0.017
75	7.21	0.0003	0.007
84	8.07	0.0001	0.004
90	8.73	0.0001	0.002
95	9.53	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	4.89	4.89	4.89
Median, in.	0.0013	0.0013	0.0013
Median, mm	0.034	0.034	0.034
Mean, phi	3.80	5.09	5.03
Mean, in.	0.0028	0.0012	0.0012
Mean, mm	0.072	0.029	0.031
Sorting	4.493	2.972	2.782
Skewness	0.898	0.070	0.078
Kurtosis	0.188	0.439	0.809

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	7.49
Fine Sand	200	29.35
Silt	>0.005 mm	43.34
Clay	<0.005 mm	19.83
	Total	**100**

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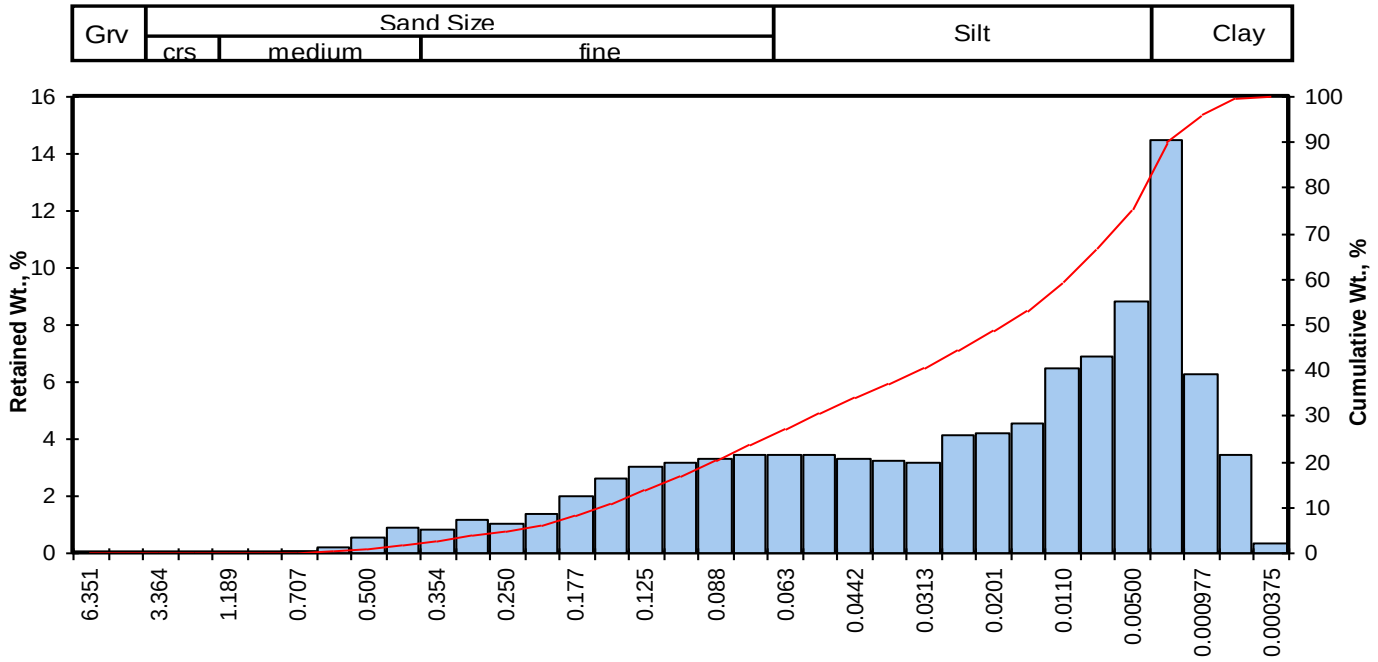
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0387-SS-14-15
Project No:	32594-455	**Depth, ft:**	14.4



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.04	0.04	0.05
0.0234	0.595	0.75	30	0.23	0.23	0.28
0.0197	0.500	1.00	35	0.58	0.58	0.86
0.0166	0.420	1.25	40	0.90	0.90	1.76
0.0139	0.354	1.50	45	0.85	0.85	2.61
0.0117	0.297	1.75	50	1.15	1.15	3.76
0.0098	0.250	2.00	60	1.03	1.03	4.79
0.0083	0.210	2.25	70	1.37	1.37	6.16
0.0070	0.177	2.50	80	1.99	1.99	8.15
0.0059	0.149	2.75	100	2.65	2.65	10.80
0.0049	0.125	3.00	120	3.02	3.02	13.82
0.0041	0.105	3.25	140	3.18	3.18	17.00
0.0035	0.088	3.50	170	3.29	3.29	20.29
0.0029	0.074	3.75	200	3.42	3.42	23.71
0.0025	0.063	4.00	230	3.48	3.48	27.19
0.0021	0.053	4.25	270	3.42	3.42	30.61
0.00174	0.0442	4.50	325	3.31	3.31	33.92
0.00146	0.0372	4.75	400	3.21	3.21	37.13
0.00123	0.0313	5.00	450	3.19	3.19	40.32
0.000986	0.0250	5.32	500	4.15	4.15	44.47
0.000790	0.0201	5.64	635	4.20	4.20	48.67
0.000615	0.0156	6.00		4.55	4.55	53.22
0.000435	0.0110	6.50		6.47	6.47	59.69
0.000308	0.00781	7.00		6.90	6.90	66.60
0.000197	0.00500	7.65		8.82	8.82	75.42
0.000077	0.00195	9.00		14.50	14.50	89.92
0.000038	0.000977	10.00		6.26	6.26	96.18
0.000019	0.000488	11.00		3.45	3.45	99.63
0.000015	0.000375	11.38		0.37	0.37	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than

Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	2.04	0.0096	0.243
10	2.67	0.0062	0.157
16	3.17	0.0044	0.111
25	3.84	0.0027	0.070
40	4.97	0.0013	0.032
50	5.74	0.0007	0.019
60	6.52	0.0004	0.011
75	7.61	0.0002	0.005
84	8.45	0.0001	0.003
90	9.01	0.0001	0.002
95	9.81	0.0000	0.001

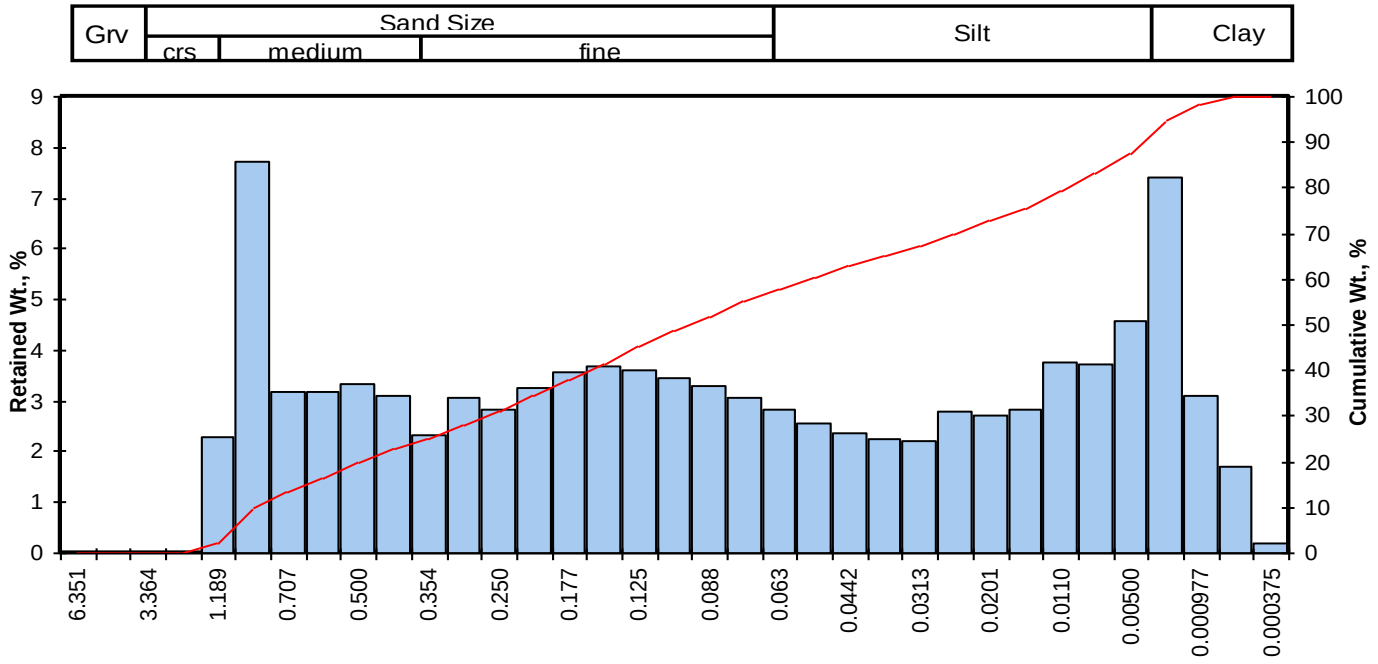
Measure	Trask	Inman	Folk-Ward
Median, phi	5.74	5.74	5.74
Median, in.	0.0007	0.0007	0.0007
Median, mm	0.019	0.019	0.019
Mean, phi	4.74	5.81	5.79
Mean, in.	0.0015	0.0007	0.0007
Mean, mm	0.037	0.018	0.018
Sorting	3.696	2.638	2.497
Skewness	1.011	0.024	0.035
Kurtosis	0.209	0.473	0.845
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	1.76
Fine Sand	200	21.95
Silt	>0.005 mm	51.71
Clay	<0.005 mm	24.58
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0383-SS-0.5-1.2
Project No:	32594-455	**Depth, ft:**	0.9



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	2.29	2.29	2.29
0.0331	0.841	0.25	20	7.73	7.73	10.02
0.0278	0.707	0.50	25	3.17	3.17	13.19
0.0234	0.595	0.75	30	3.19	3.19	16.38
0.0197	0.500	1.00	35	3.33	3.33	19.71
0.0166	0.420	1.25	40	3.10	3.10	22.81
0.0139	0.354	1.50	45	2.32	2.32	25.13
0.0117	0.297	1.75	50	3.07	3.07	28.20
0.0098	0.250	2.00	60	2.85	2.85	31.05
0.0083	0.210	2.25	70	3.24	3.24	34.29
0.0070	0.177	2.50	80	3.55	3.55	37.84
0.0059	0.149	2.75	100	3.69	3.69	41.53
0.0049	0.125	3.00	120	3.61	3.61	45.14
0.0041	0.105	3.25	140	3.45	3.45	48.59
0.0035	0.088	3.50	170	3.29	3.29	51.88
0.0029	0.074	3.75	200	3.08	3.08	54.96
0.0025	0.063	4.00	230	2.82	2.82	57.78
0.0021	0.053	4.25	270	2.57	2.57	60.35
0.00174	0.0442	4.50	325	2.38	2.38	62.73
0.00146	0.0372	4.75	400	2.26	2.26	64.99
0.00123	0.0313	5.00	450	2.21	2.21	67.20
0.000986	0.0250	5.32	500	2.79	2.79	69.99
0.000790	0.0201	5.64	635	2.73	2.73	72.72
0.000615	0.0156	6.00		2.85	2.85	75.57
0.000435	0.0110	6.50		3.76	3.76	79.33
0.000308	0.00781	7.00		3.71	3.71	83.04
0.000197	0.00500	7.65		4.56	4.56	87.60
0.000077	0.00195	9.00		7.41	7.41	95.01
0.000038	0.000977	10.00		3.12	3.12	98.13
0.000019	0.000488	11.00		1.69	1.69	99.82
0.000015	0.000375	11.38		0.18	0.18	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-0.07	0.0415	1.053
10	0.25	0.0331	0.842
16	0.72	0.0239	0.607
25	1.49	0.0141	0.357
40	2.65	0.0063	0.160
50	3.36	0.0038	0.098
60	4.22	0.0021	0.054
75	5.93	0.0006	0.016
84	7.14	0.0003	0.007
90	8.08	0.0001	0.004
95	9.00	0.0001	0.002

Measure	Trask	Inman	Folk-Ward
Median, phi	3.36	3.36	3.36
Median, in.	0.0038	0.0038	0.0038
Median, mm	0.098	0.098	0.098
Mean, phi	2.42	3.93	3.74
Mean, in.	0.0074	0.0026	0.0030
Mean, mm	0.187	0.066	0.075
Sorting	4.662	3.208	2.979
Skewness	0.785	0.178	0.211
Kurtosis	0.203	0.414	0.837

Grain Size Description (ASTM-USCS Scale)	Fine sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	22.81
Fine Sand	200	32.15
Silt	>0.005 mm	32.64
Clay	<0.005 mm	12.40
	Total	**100**

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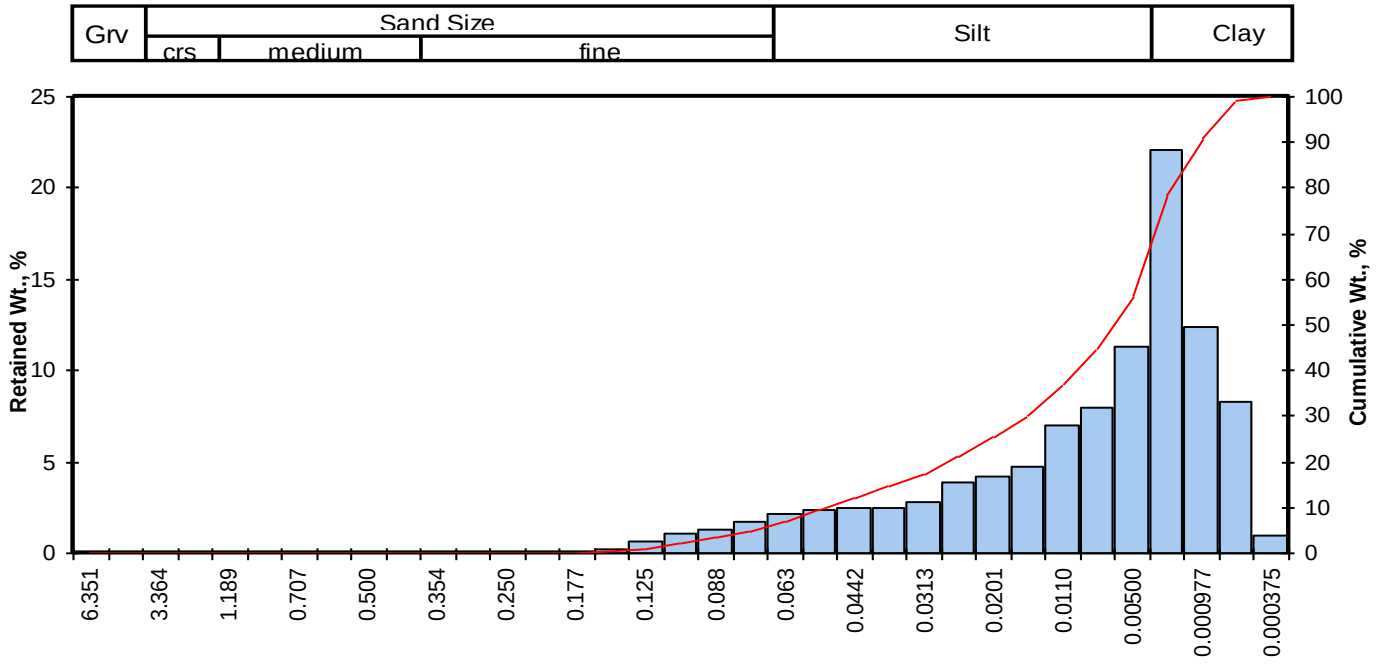
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0383-SS-1.5-2.5
Project No:	32594-455	**Depth, ft:**	1.85



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.00	0.00	0.00
0.0083	0.210	2.25	70	0.00	0.00	0.00
0.0070	0.177	2.50	80	0.01	0.01	0.01
0.0059	0.149	2.75	100	0.21	0.21	0.22
0.0049	0.125	3.00	120	0.70	0.70	0.92
0.0041	0.105	3.25	140	1.05	1.05	1.97
0.0035	0.088	3.50	170	1.28	1.28	3.25
0.0029	0.074	3.75	200	1.68	1.68	4.93
0.0025	0.063	4.00	230	2.15	2.15	7.08
0.0021	0.053	4.25	270	2.40	2.40	9.48
0.00174	0.0442	4.50	325	2.45	2.45	11.93
0.00146	0.0372	4.75	400	2.53	2.53	14.46
0.00123	0.0313	5.00	450	2.75	2.75	17.21
0.000986	0.0250	5.32	500	3.87	3.87	21.08
0.000790	0.0201	5.64	635	4.16	4.16	25.24
0.000615	0.0156	6.00		4.72	4.72	29.96
0.000435	0.0110	6.50		7.00	7.00	36.96
0.000308	0.00781	7.00		8.01	8.01	44.97
0.000197	0.00500	7.65		11.30	11.30	56.26
0.000077	0.00195	9.00		22.10	22.10	78.36
0.000038	0.000977	10.00		12.40	12.40	90.76
0.000019	0.000488	11.00		8.30	8.30	99.06
0.000015	0.000375	11.38		0.94	0.94	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	3.76	0.0029	0.074
10	4.30	0.0020	0.051
16	4.89	0.0013	0.034
25	5.62	0.0008	0.020
40	6.69	0.0004	0.010
50	7.29	0.0003	0.006
60	7.87	0.0002	0.004
75	8.79	0.0001	0.002
84	9.45	0.0001	0.001
90	9.94	0.0000	0.001
95	10.51	0.0000	0.001

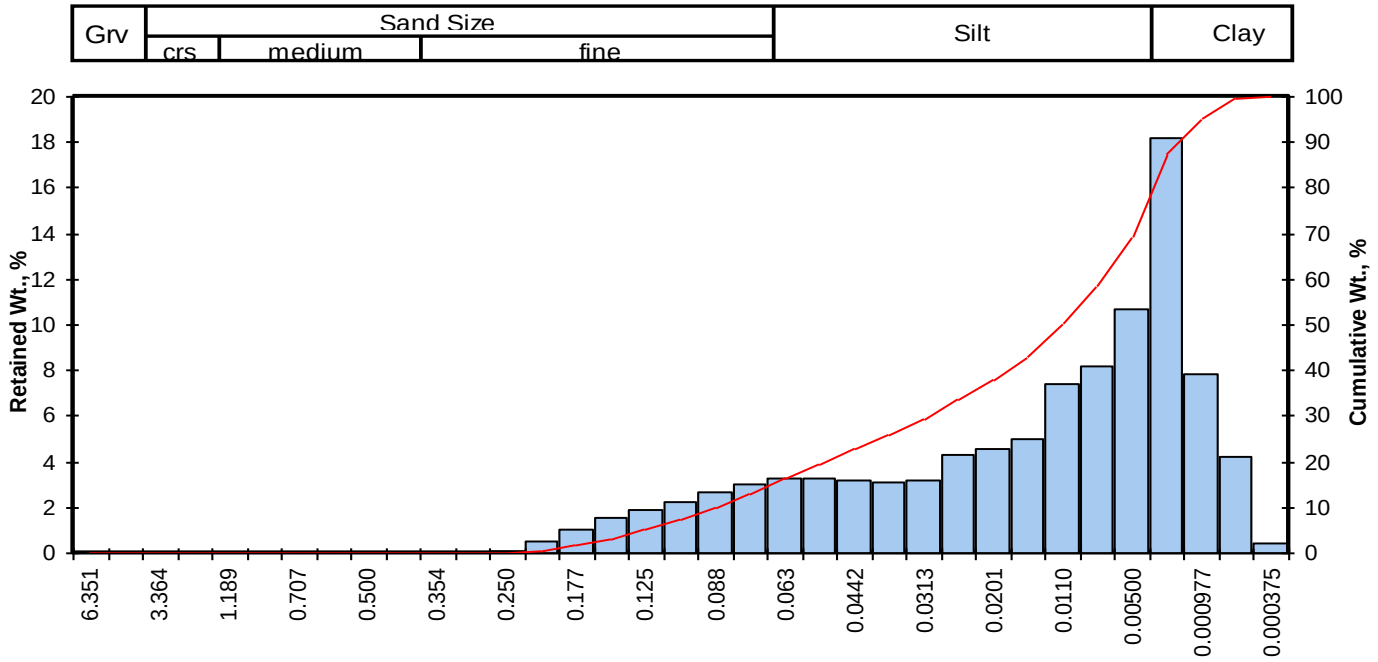
Measure	Trask	Inman	Folk-Ward
Median, phi	7.29	7.29	7.29
Median, in.	0.0003	0.0003	0.0003
Median, mm	0.006	0.006	0.006
Mean, phi	6.47	7.17	7.21
Mean, in.	0.0004	0.0003	0.0003
Mean, mm	0.011	0.007	0.007
Sorting	3.002	2.282	2.164
Skewness	1.057	-0.050	-0.048
Kurtosis	0.182	0.479	0.872
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	4.93
Silt	>0.005 mm	51.33
Clay	<0.005 mm	43.74
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0383-SS-10.5-12-01
Project No:	32594-455	**Depth, ft:**	10.85



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.10	0.10	0.10
0.0083	0.210	2.25	70	0.48	0.48	0.58
0.0070	0.177	2.50	80	1.04	1.04	1.62
0.0059	0.149	2.75	100	1.54	1.54	3.16
0.0049	0.125	3.00	120	1.88	1.88	5.04
0.0041	0.105	3.25	140	2.23	2.23	7.27
0.0035	0.088	3.50	170	2.65	2.65	9.92
0.0029	0.074	3.75	200	3.05	3.05	12.97
0.0025	0.063	4.00	230	3.29	3.29	16.26
0.0021	0.053	4.25	270	3.30	3.30	19.56
0.00174	0.0442	4.50	325	3.21	3.21	22.77
0.00146	0.0372	4.75	400	3.14	3.14	25.90
0.00123	0.0313	5.00	450	3.21	3.21	29.11
0.000986	0.0250	5.32	500	4.34	4.34	33.45
0.000790	0.0201	5.64	635	4.54	4.54	37.99
0.000615	0.0156	6.00		5.02	5.02	43.01
0.000435	0.0110	6.50		7.39	7.39	50.40
0.000308	0.00781	7.00		8.15	8.15	58.54
0.000197	0.00500	7.65		10.70	10.70	69.24
0.000077	0.00195	9.00		18.20	18.19	87.43
0.000038	0.000977	10.00		7.89	7.89	95.32
0.000019	0.000488	11.00		4.23	4.23	99.55
0.000015	0.000375	11.38		0.45	0.45	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	2.99	0.0049	0.125
10	3.51	0.0035	0.088
16	3.98	0.0025	0.063
25	4.68	0.0015	0.039
40	5.78	0.0007	0.018
50	6.47	0.0004	0.011
60	7.09	0.0003	0.007
75	8.07	0.0001	0.004
84	8.74	0.0001	0.002
90	9.33	0.0001	0.002
95	9.96	0.0000	0.001

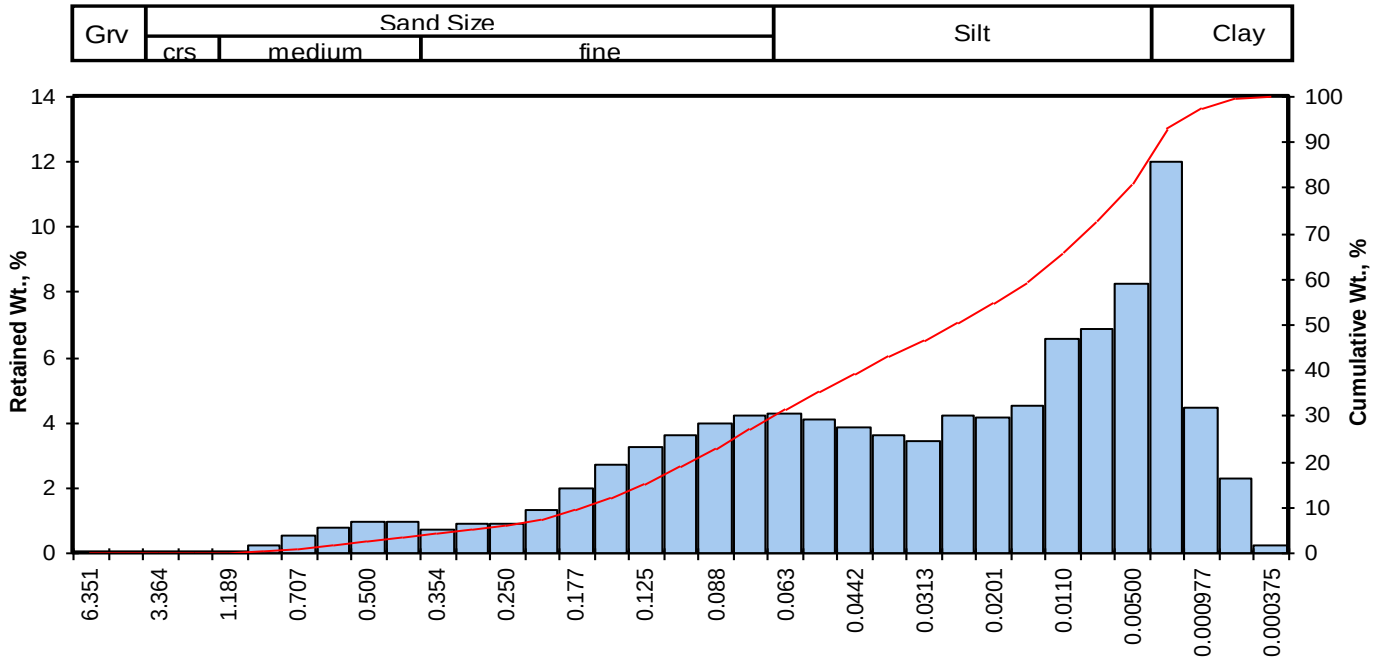
Measure	Trask	Inman	Folk-Ward
Median, phi	6.47	6.47	6.47
Median, in.	0.0004	0.0004	0.0004
Median, mm	0.011	0.011	0.011
Mean, phi	5.55	6.36	6.40
Mean, in.	0.0008	0.0005	0.0005
Mean, mm	0.021	0.012	0.012
Sorting	3.245	2.382	2.246
Skewness	1.070	-0.047	-0.023
Kurtosis	0.205	0.462	0.841
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	12.97
Silt	>0.005 mm	56.27
Clay	<0.005 mm	30.76
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0383-SS-005-006-01
Project No:	32594-455	**Depth, ft:**	5.35



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.22	0.22	0.22
0.0278	0.707	0.50	25	0.55	0.55	0.77
0.0234	0.595	0.75	30	0.77	0.77	1.54
0.0197	0.500	1.00	35	0.95	0.95	2.49
0.0166	0.420	1.25	40	0.98	0.98	3.47
0.0139	0.354	1.50	45	0.73	0.73	4.20
0.0117	0.297	1.75	50	0.90	0.90	5.10
0.0098	0.250	2.00	60	0.90	0.90	6.00
0.0083	0.210	2.25	70	1.33	1.33	7.33
0.0070	0.177	2.50	80	1.98	1.98	9.31
0.0059	0.149	2.75	100	2.71	2.71	12.02
0.0049	0.125	3.00	120	3.23	3.23	15.25
0.0041	0.105	3.25	140	3.61	3.61	18.86
0.0035	0.088	3.50	170	3.97	3.97	22.83
0.0029	0.074	3.75	200	4.24	4.24	27.08
0.0025	0.063	4.00	230	4.30	4.30	31.38
0.0021	0.053	4.25	270	4.12	4.12	35.50
0.00174	0.0442	4.50	325	3.85	3.85	39.35
0.00146	0.0372	4.75	400	3.60	3.60	42.95
0.00123	0.0313	5.00	450	3.43	3.43	46.38
0.000986	0.0250	5.32	500	4.24	4.24	50.62
0.000790	0.0201	5.64	635	4.14	4.14	54.76
0.000615	0.0156	6.00		4.53	4.53	59.29
0.000435	0.0110	6.50		6.56	6.56	65.85
0.000308	0.00781	7.00		6.85	6.85	72.70
0.000197	0.00500	7.65		8.27	8.27	80.98
0.000077	0.00195	9.00		12.00	12.00	92.98
0.000038	0.000977	10.00		4.47	4.47	97.45
0.000019	0.000488	11.00		2.31	2.31	99.76
0.000015	0.000375	11.38		0.24	0.24	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	1.72	0.0119	0.303
10	2.56	0.0067	0.169
16	3.05	0.0047	0.121
25	3.63	0.0032	0.081
40	4.55	0.0017	0.043
50	5.27	0.0010	0.026
60	6.05	0.0006	0.015
75	7.18	0.0003	0.007
84	7.99	0.0002	0.004
90	8.66	0.0001	0.002
95	9.45	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.27	5.27	5.27
Median, in.	0.0010	0.0010	0.0010
Median, mm	0.026	0.026	0.026
Mean, phi	4.51	5.52	5.44
Mean, in.	0.0017	0.0009	0.0009
Mean, mm	0.044	0.022	0.023
Sorting	3.424	2.467	2.405
Skewness	0.914	0.100	0.090
Kurtosis	0.222	0.567	0.892

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	3.47
Fine Sand	200	23.60
Silt	>0.005 mm	53.90
Clay	<0.005 mm	19.02
	Total	**100**

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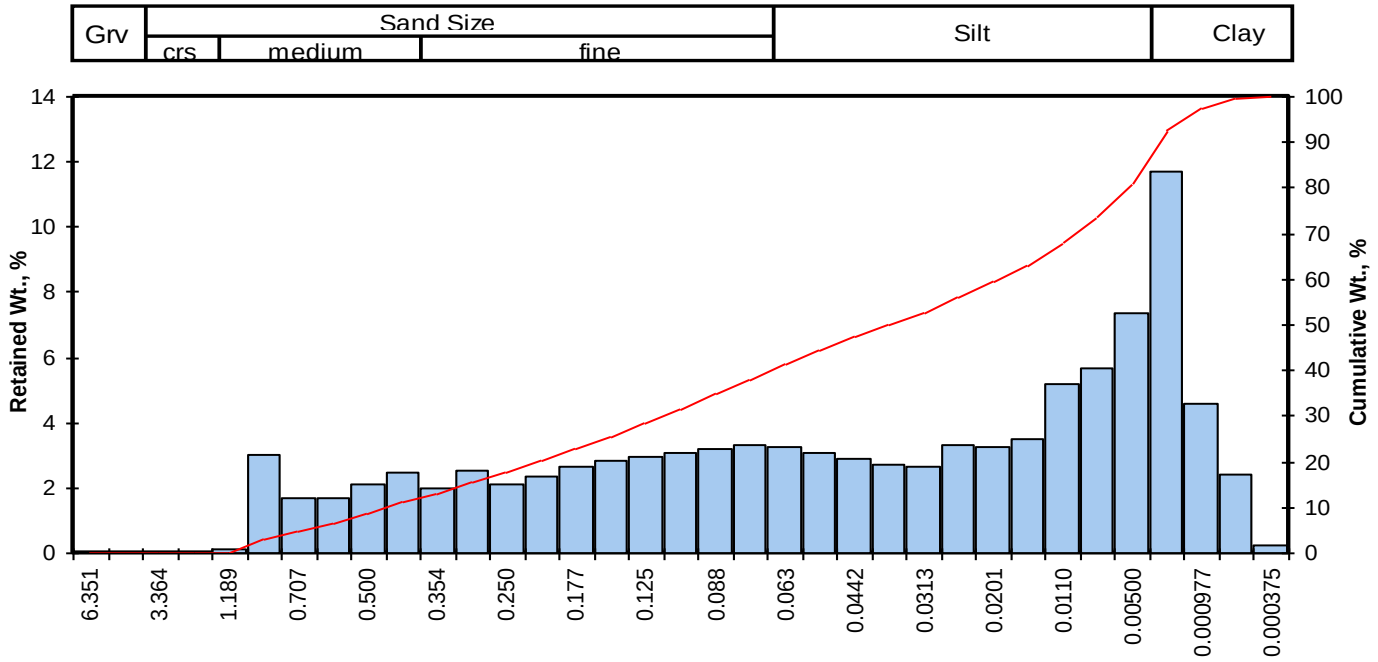
PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0379-SS-2-3-01
Project No:	32594-455	**Depth, ft:**	2.35



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.10	0.10	0.10
0.0331	0.841	0.25	20	3.00	3.00	3.10
0.0278	0.707	0.50	25	1.68	1.68	4.78
0.0234	0.595	0.75	30	1.68	1.68	6.46
0.0197	0.500	1.00	35	2.14	2.14	8.60
0.0166	0.420	1.25	40	2.47	2.47	11.07
0.0139	0.354	1.50	45	2.01	2.01	13.08
0.0117	0.297	1.75	50	2.53	2.53	15.61
0.0098	0.250	2.00	60	2.14	2.14	17.75
0.0083	0.210	2.25	70	2.37	2.37	20.12
0.0070	0.177	2.50	80	2.65	2.65	22.77
0.0059	0.149	2.75	100	2.85	2.85	25.63
0.0049	0.125	3.00	120	2.95	2.95	28.58
0.0041	0.105	3.25	140	3.06	3.06	31.64
0.0035	0.088	3.50	170	3.20	3.20	34.84
0.0029	0.074	3.75	200	3.30	3.30	38.14
0.0025	0.063	4.00	230	3.26	3.26	41.40
0.0021	0.053	4.25	270	3.10	3.10	44.50
0.00174	0.0442	4.50	325	2.91	2.91	47.41
0.00146	0.0372	4.75	400	2.74	2.74	50.15
0.00123	0.0313	5.00	450	2.64	2.64	52.79
0.000986	0.0250	5.32	500	3.29	3.29	56.08
0.000790	0.0201	5.64	635	3.23	3.23	59.31
0.000615	0.0156	6.00		3.51	3.51	62.82
0.000435	0.0110	6.50		5.18	5.18	68.00
0.000308	0.00781	7.00		5.70	5.70	73.70
0.000197	0.00500	7.65		7.37	7.37	81.08
0.000077	0.00195	9.00		11.70	11.70	92.78
0.000038	0.000977	10.00		4.57	4.57	97.35
0.000019	0.000488	11.00		2.40	2.40	99.75
0.000015	0.000375	11.38		0.25	0.25	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than

Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	0.53	0.0272	0.691
10	1.14	0.0178	0.453
16	1.80	0.0113	0.288
25	2.70	0.0061	0.154
40	3.89	0.0027	0.067
50	4.74	0.0015	0.038
60	5.71	0.0008	0.019
75	7.11	0.0003	0.007
84	7.98	0.0002	0.004
90	8.68	0.0001	0.002
95	9.49	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	4.74	4.74	4.74
Median, in.	0.0015	0.0015	0.0015
Median, mm	0.038	0.038	0.038
Mean, phi	3.63	4.89	4.84
Mean, in.	0.0032	0.0013	0.0014
Mean, mm	0.081	0.034	0.035
Sorting	4.624	3.094	2.904
Skewness	0.890	0.049	0.055
Kurtosis	0.163	0.447	0.831

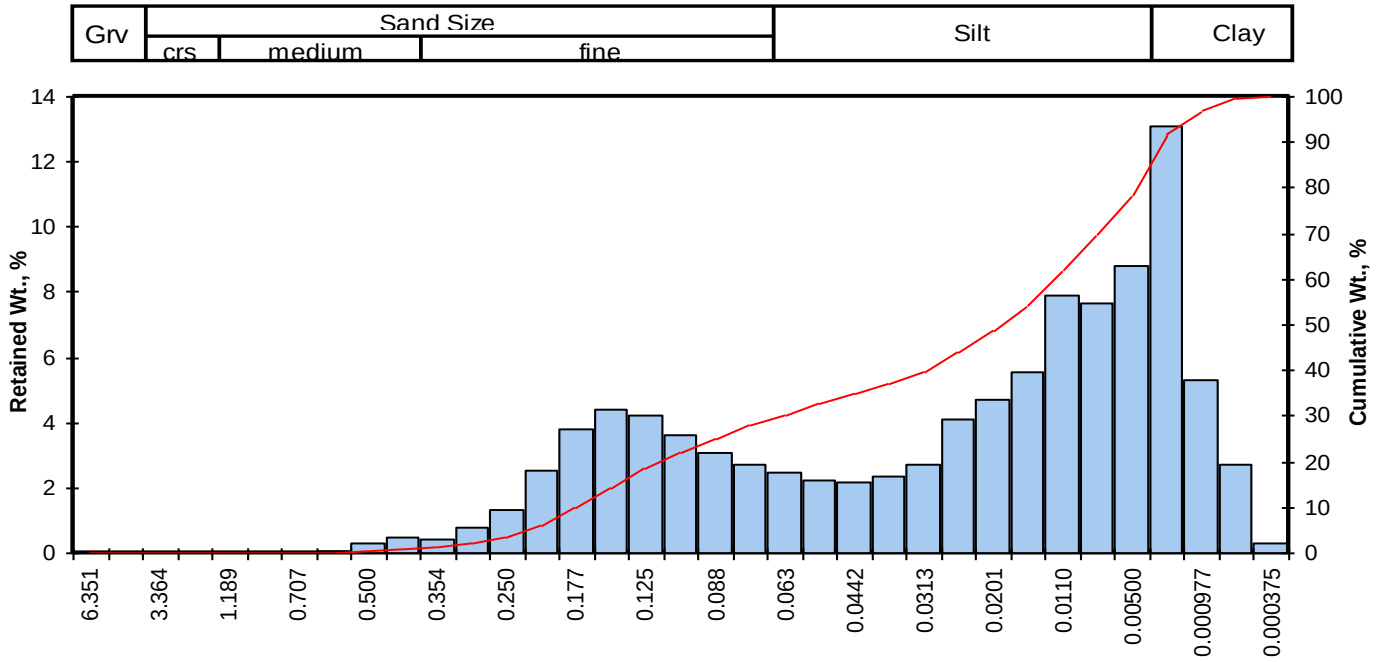
Grain Size Description (ASTM-USCS Scale)	Fine sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	11.07
Fine Sand	200	27.07
Silt	>0.005 mm	42.94
Clay	<0.005 mm	18.92
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0379-SS-7-8
Project No:	32594-455	**Depth, ft:**	7.4



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.06	0.06	0.06
0.0197	0.500	1.00	35	0.31	0.31	0.37
0.0166	0.420	1.25	40	0.51	0.51	0.88
0.0139	0.354	1.50	45	0.45	0.45	1.33
0.0117	0.297	1.75	50	0.77	0.77	2.10
0.0098	0.250	2.00	60	1.33	1.33	3.43
0.0083	0.210	2.25	70	2.55	2.55	5.98
0.0070	0.177	2.50	80	3.80	3.80	9.78
0.0059	0.149	2.75	100	4.43	4.43	14.21
0.0049	0.125	3.00	120	4.21	4.21	18.42
0.0041	0.105	3.25	140	3.63	3.63	22.05
0.0035	0.088	3.50	170	3.10	3.10	25.15
0.0029	0.074	3.75	200	2.74	2.74	27.89
0.0025	0.063	4.00	230	2.47	2.47	30.36
0.0021	0.053	4.25	270	2.25	2.25	32.61
0.00174	0.0442	4.50	325	2.18	2.18	34.79
0.00146	0.0372	4.75	400	2.33	2.33	37.12
0.00123	0.0313	5.00	450	2.70	2.70	39.82
0.000986	0.0250	5.32	500	4.08	4.08	43.90
0.000790	0.0201	5.64	635	4.71	4.71	48.61
0.000615	0.0156	6.00		5.53	5.53	54.14
0.000435	0.0110	6.50		7.91	7.91	62.05
0.000308	0.00781	7.00		7.69	7.69	69.74
0.000197	0.00500	7.65		8.83	8.83	78.57
0.000077	0.00195	9.00		13.10	13.10	91.67
0.000038	0.000977	10.00		5.31	5.31	96.98
0.000019	0.000488	11.00		2.74	2.74	99.72
0.000015	0.000375	11.38		0.28	0.28	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	2.15	0.0088	0.225
10	2.51	0.0069	0.175
16	2.86	0.0054	0.138
25	3.49	0.0035	0.089
40	5.01	0.0012	0.031
50	5.73	0.0007	0.019
60	6.37	0.0005	0.012
75	7.38	0.0002	0.006
84	8.21	0.0001	0.003
90	8.83	0.0001	0.002
95	9.63	0.0000	0.001

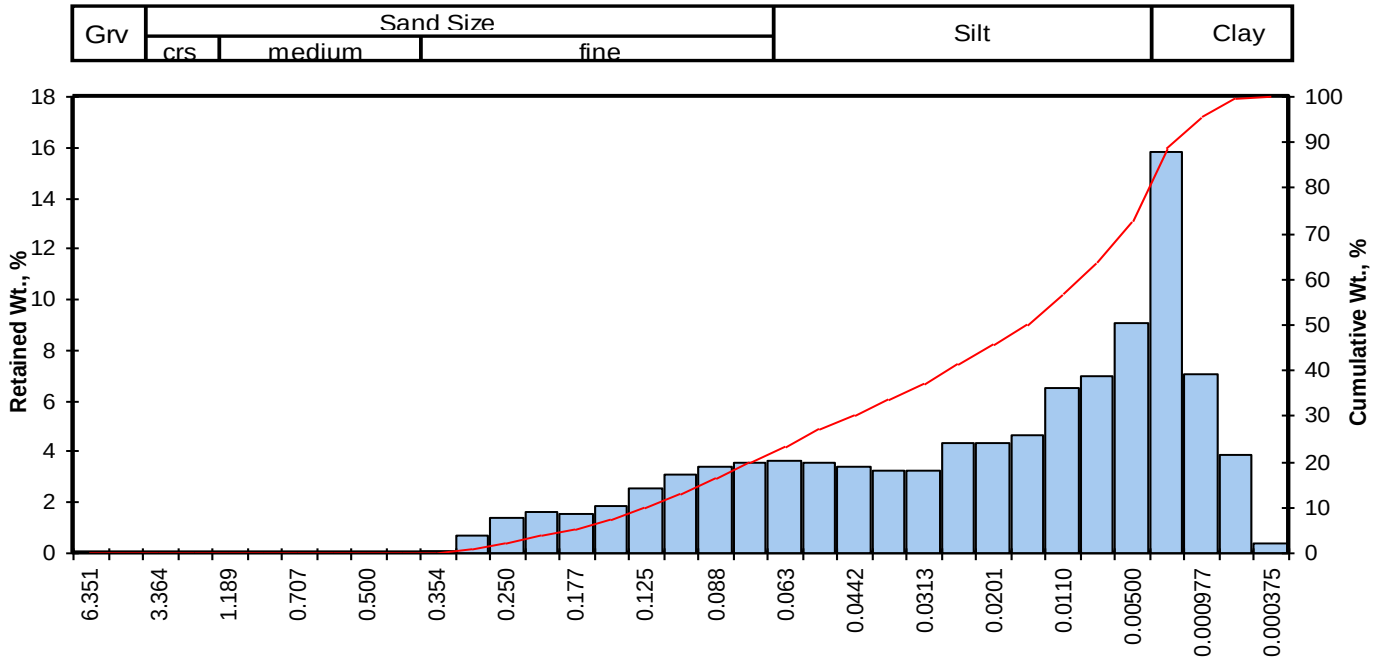
Measure	Trask	Inman	Folk-Ward
Median, phi	5.73	5.73	5.73
Median, in.	0.0007	0.0007	0.0007
Median, mm	0.019	0.019	0.019
Mean, phi	4.39	5.53	5.60
Mean, in.	0.0019	0.0009	0.0008
Mean, mm	0.048	0.022	0.021
Sorting	3.859	2.675	2.470
Skewness	1.226	-0.074	-0.016
Kurtosis	0.240	0.397	0.786
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.88
Fine Sand	200	27.01
Silt	>0.005 mm	50.68
Clay	<0.005 mm	21.43
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0379-SS-11.5-13
Project No:	32594-455	**Depth, ft:**	11.9



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.06	0.06	0.06
0.0117	0.297	1.75	50	0.68	0.68	0.74
0.0098	0.250	2.00	60	1.38	1.38	2.12
0.0083	0.210	2.25	70	1.60	1.60	3.72
0.0070	0.177	2.50	80	1.53	1.53	5.24
0.0059	0.149	2.75	100	1.90	1.90	7.14
0.0049	0.125	3.00	120	2.59	2.59	9.73
0.0041	0.105	3.25	140	3.10	3.10	12.83
0.0035	0.088	3.50	170	3.38	3.38	16.21
0.0029	0.074	3.75	200	3.55	3.55	19.76
0.0025	0.063	4.00	230	3.63	3.63	23.39
0.0021	0.053	4.25	270	3.57	3.57	26.95
0.00174	0.0442	4.50	325	3.41	3.41	30.36
0.00146	0.0372	4.75	400	3.27	3.27	33.63
0.00123	0.0313	5.00	450	3.27	3.27	36.90
0.000986	0.0250	5.32	500	4.31	4.31	41.21
0.000790	0.0201	5.64	635	4.35	4.35	45.56
0.000615	0.0156	6.00		4.65	4.65	50.20
0.000435	0.0110	6.50		6.55	6.55	56.75
0.000308	0.00781	7.00		6.99	6.99	63.74
0.000197	0.00500	7.65		9.09	9.09	72.82
0.000077	0.00195	9.00		15.80	15.79	88.62
0.000038	0.000977	10.00		7.10	7.10	95.71
0.000019	0.000488	11.00		3.88	3.88	99.59
0.000015	0.000375	11.38		0.41	0.41	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	2.46	0.0072	0.182
10	3.02	0.0048	0.123
16	3.48	0.0035	0.089
25	4.11	0.0023	0.058
40	5.23	0.0010	0.027
50	5.98	0.0006	0.016
60	6.73	0.0004	0.009
75	7.83	0.0002	0.004
84	8.60	0.0001	0.003
90	9.20	0.0001	0.002
95	9.90	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.98	5.98	5.98
Median, in.	0.0006	0.0006	0.0006
Median, mm	0.016	0.016	0.016
Mean, phi	5.01	6.04	6.02
Mean, in.	0.0012	0.0006	0.0006
Mean, mm	0.031	0.015	0.015
Sorting	3.628	2.560	2.407
Skewness	1.008	0.023	0.038
Kurtosis	0.220	0.453	0.820
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	19.76
Silt	>0.005 mm	53.07
Clay	<0.005 mm	27.18
	Total	**100**

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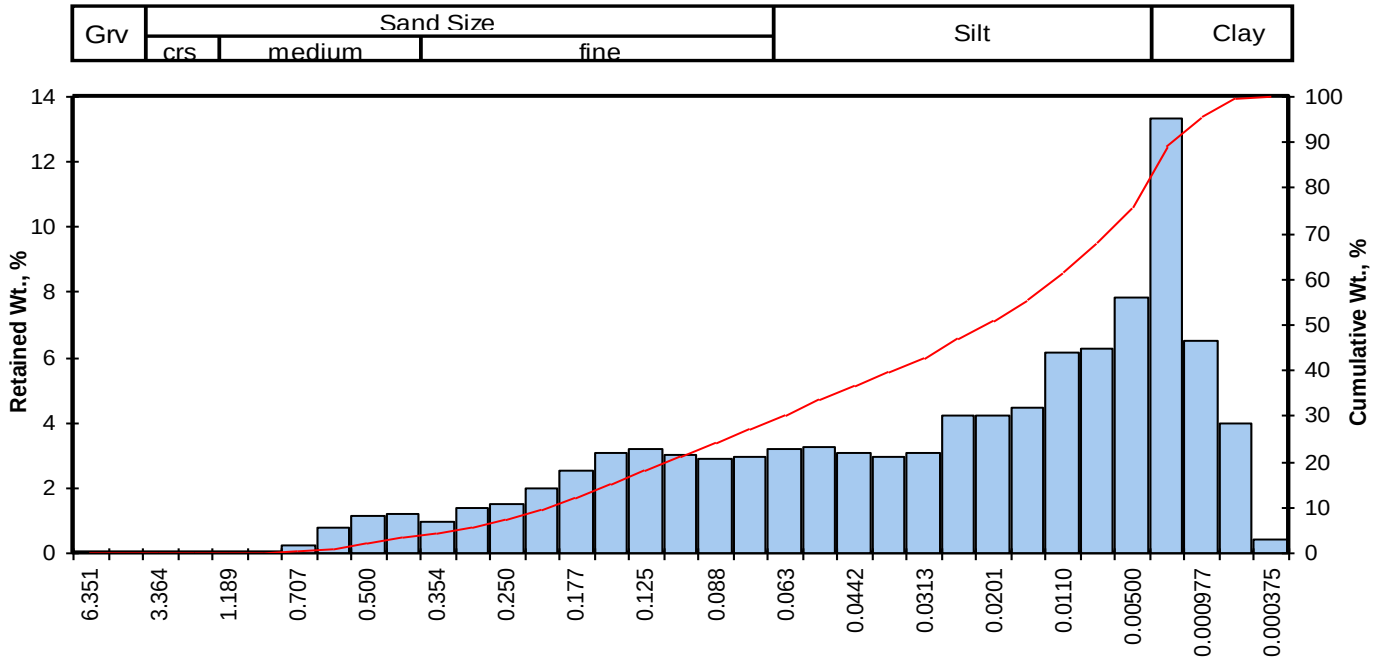
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0391-SS-0.5-1.5
Project No:	32594-455	**Depth, ft:**	0.9



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.01	0.01	0.01
0.0278	0.707	0.50	25	0.23	0.23	0.24
0.0234	0.595	0.75	30	0.78	0.78	1.02
0.0197	0.500	1.00	35	1.15	1.15	2.18
0.0166	0.420	1.25	40	1.23	1.23	3.41
0.0139	0.354	1.50	45	0.97	0.97	4.38
0.0117	0.297	1.75	50	1.40	1.40	5.78
0.0098	0.250	2.00	60	1.52	1.52	7.30
0.0083	0.210	2.25	70	2.01	2.01	9.31
0.0070	0.177	2.50	80	2.56	2.56	11.87
0.0059	0.149	2.75	100	3.06	3.06	14.93
0.0049	0.125	3.00	120	3.22	3.22	18.15
0.0041	0.105	3.25	140	3.04	3.04	21.20
0.0035	0.088	3.50	170	2.87	2.87	24.07
0.0029	0.074	3.75	200	2.98	2.98	27.05
0.0025	0.063	4.00	230	3.21	3.21	30.26
0.0021	0.053	4.25	270	3.24	3.24	33.50
0.00174	0.0442	4.50	325	3.05	3.05	36.55
0.00146	0.0372	4.75	400	2.94	2.94	39.50
0.00123	0.0313	5.00	450	3.07	3.07	42.57
0.000986	0.0250	5.32	500	4.20	4.20	46.77
0.000790	0.0201	5.64	635	4.25	4.25	51.02
0.000615	0.0156	6.00		4.48	4.48	55.51
0.000435	0.0110	6.50		6.13	6.13	61.64
0.000308	0.00781	7.00		6.26	6.26	67.90
0.000197	0.00500	7.65		7.85	7.85	75.76
0.000077	0.00195	9.00		13.30	13.31	89.06
0.000038	0.000977	10.00		6.49	6.49	95.56
0.000019	0.000488	11.00		4.00	4.00	99.56
0.000015	0.000375	11.38		0.44	0.44	100.00
TOTALS				**99.90**	**100.00**	**100.00**

Cumulative Weight Percent greater than

Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	1.61	0.0129	0.327
10	2.32	0.0079	0.201
16	2.83	0.0055	0.140
25	3.58	0.0033	0.084
40	4.79	0.0014	0.036
50	5.56	0.0008	0.021
60	6.37	0.0005	0.012
75	7.58	0.0002	0.005
84	8.48	0.0001	0.003
90	9.14	0.0001	0.002
95	9.91	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.56	5.56	5.56
Median, in.	0.0008	0.0008	0.0008
Median, mm	0.021	0.021	0.021
Mean, phi	4.49	5.66	5.63
Mean, in.	0.0018	0.0008	0.0008
Mean, mm	0.044	0.020	0.020
Sorting	4.007	2.826	2.671
Skewness	0.988	0.034	0.041
Kurtosis	0.197	0.469	0.850

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	3.41
Fine Sand	200	23.64
Silt	>0.005 mm	48.71
Clay	<0.005 mm	24.24
	Total	**100**

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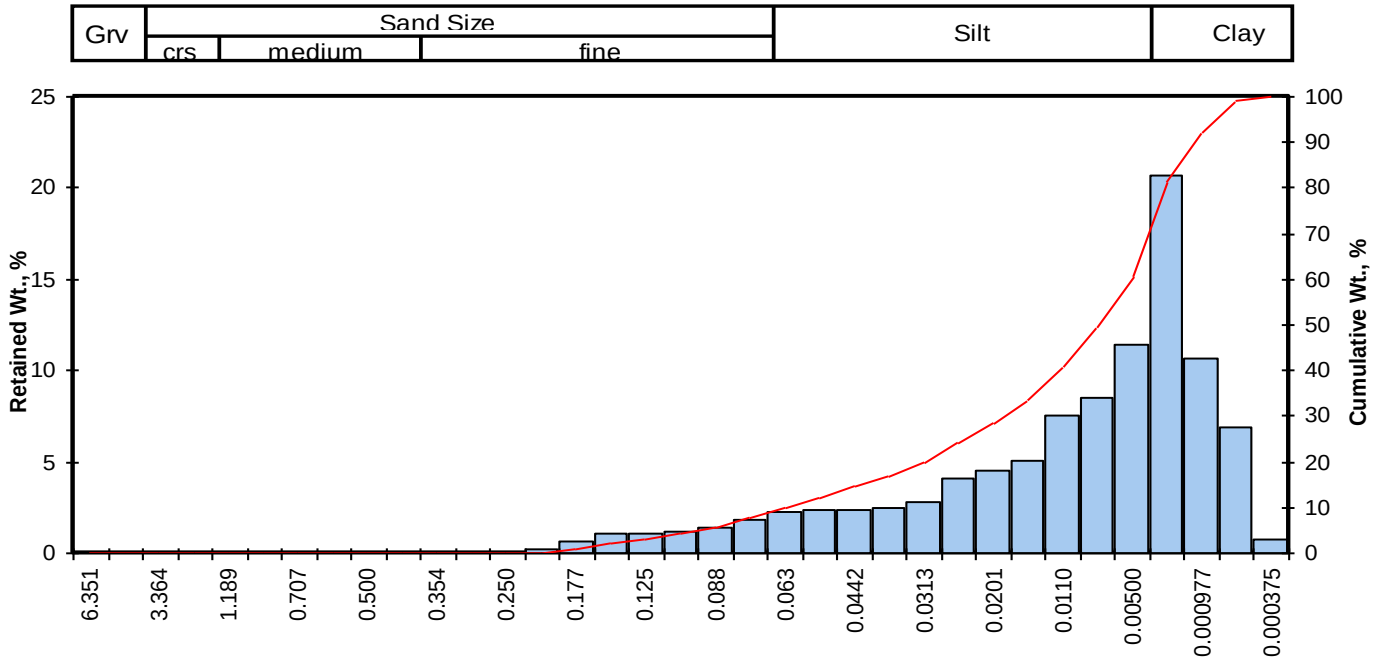
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0391-SS-1.5-3
Project No:	32594-455	**Depth, ft:**	1.9



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.01	0.01	0.01
0.0083	0.210	2.25	70	0.17	0.17	0.18
0.0070	0.177	2.50	80	0.70	0.70	0.88
0.0059	0.149	2.75	100	1.12	1.12	2.00
0.0049	0.125	3.00	120	1.13	1.13	3.13
0.0041	0.105	3.25	140	1.14	1.14	4.27
0.0035	0.088	3.50	170	1.42	1.42	5.69
0.0029	0.074	3.75	200	1.88	1.88	7.57
0.0025	0.063	4.00	230	2.25	2.25	9.82
0.0021	0.053	4.25	270	2.36	2.36	12.18
0.00174	0.0442	4.50	325	2.36	2.36	14.54
0.00146	0.0372	4.75	400	2.48	2.48	17.02
0.00123	0.0313	5.00	450	2.81	2.81	19.83
0.000986	0.0250	5.32	500	4.14	4.14	23.97
0.000790	0.0201	5.64	635	4.48	4.48	28.45
0.000615	0.0156	6.00		5.01	5.01	33.47
0.000435	0.0110	6.50		7.57	7.57	41.04
0.000308	0.00781	7.00		8.50	8.50	49.54
0.000197	0.00500	7.65		11.40	11.40	60.94
0.000077	0.00195	9.00		20.70	20.70	81.65
0.000038	0.000977	10.00		10.70	10.70	92.35
0.000019	0.000488	11.00		6.88	6.88	99.23
0.000015	0.000375	11.38		0.77	0.77	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	3.38	0.0038	0.096
10	4.02	0.0024	0.062
16	4.65	0.0016	0.040
25	5.39	0.0009	0.024
40	6.43	0.0005	0.012
50	7.03	0.0003	0.008
60	7.59	0.0002	0.005
75	8.57	0.0001	0.003
84	9.22	0.0001	0.002
90	9.78	0.0000	0.001
95	10.39	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	7.03	7.03	7.03
Median, in.	0.0003	0.0003	0.0003
Median, mm	0.008	0.008	0.008
Mean, phi	6.24	6.93	6.96
Mean, in.	0.0005	0.0003	0.0003
Mean, mm	0.013	0.008	0.008
Sorting	3.002	2.286	2.205
Skewness	1.033	-0.041	-0.041
Kurtosis	0.175	0.532	0.905
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	7.57
Silt	>0.005 mm	53.37
Clay	<0.005 mm	39.06
	Total	**100**

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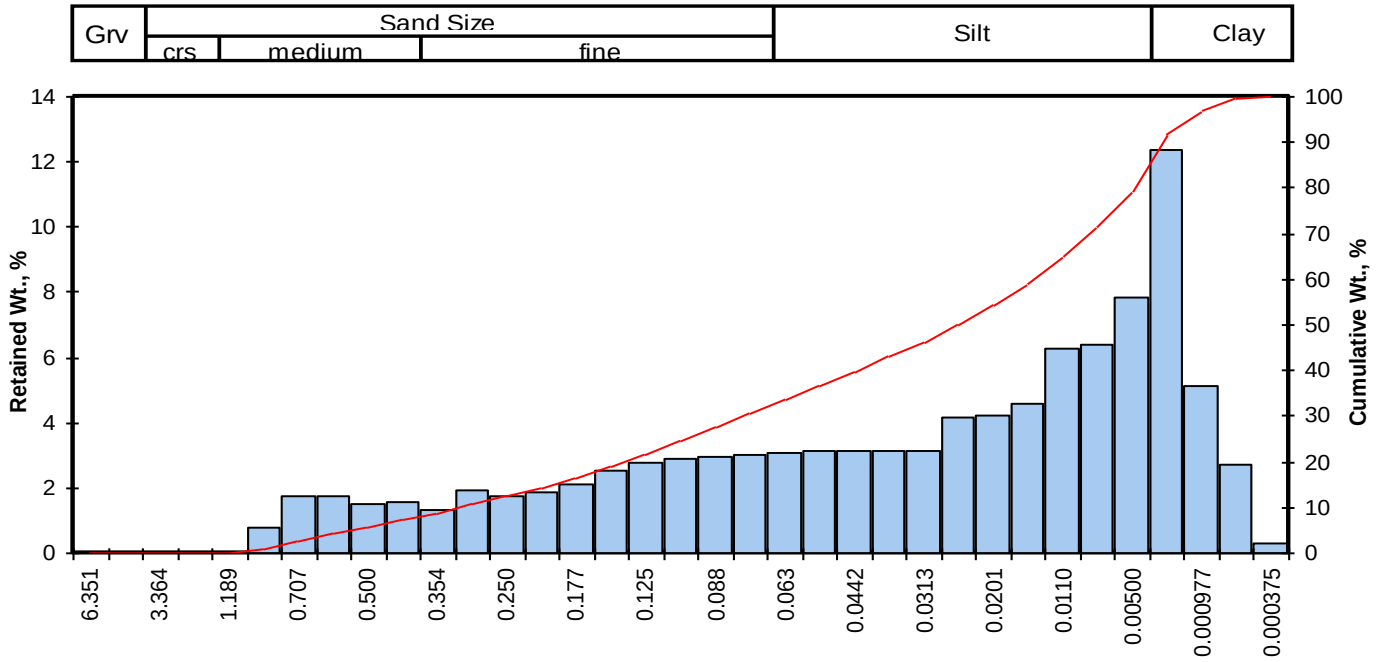
PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0391-SS-6.25-7.5
Project No:	32594-455	**Depth, ft:**	6.65



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.79	0.79	0.79
0.0278	0.707	0.50	25	1.72	1.72	2.51
0.0234	0.595	0.75	30	1.74	1.74	4.25
0.0197	0.500	1.00	35	1.53	1.53	5.78
0.0166	0.420	1.25	40	1.54	1.54	7.32
0.0139	0.354	1.50	45	1.35	1.35	8.67
0.0117	0.297	1.75	50	1.96	1.96	10.63
0.0098	0.250	2.00	60	1.75	1.75	12.38
0.0083	0.210	2.25	70	1.88	1.88	14.26
0.0070	0.177	2.50	80	2.14	2.14	16.40
0.0059	0.149	2.75	100	2.51	2.51	18.91
0.0049	0.125	3.00	120	2.77	2.77	21.68
0.0041	0.105	3.25	140	2.87	2.87	24.55
0.0035	0.088	3.50	170	2.93	2.93	27.48
0.0029	0.074	3.75	200	3.01	3.01	30.49
0.0025	0.063	4.00	230	3.08	3.08	33.57
0.0021	0.053	4.25	270	3.11	3.11	36.68
0.00174	0.0442	4.50	325	3.12	3.12	39.80
0.00146	0.0372	4.75	400	3.11	3.11	42.91
0.00123	0.0313	5.00	450	3.15	3.15	46.06
0.000986	0.0250	5.32	500	4.15	4.15	50.20
0.000790	0.0201	5.64	635	4.24	4.24	54.44
0.000615	0.0156	6.00		4.57	4.57	59.01
0.000435	0.0110	6.50		6.28	6.28	65.29
0.000308	0.00781	7.00		6.38	6.38	71.67
0.000197	0.00500	7.65		7.83	7.83	79.50
0.000077	0.00195	9.00		12.40	12.40	91.90
0.000038	0.000977	10.00		5.12	5.12	97.02
0.000019	0.000488	11.00		2.70	2.70	99.72
0.000015	0.000375	11.38		0.28	0.28	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	0.87	0.0215	0.546
10	1.67	0.0124	0.314
16	2.45	0.0072	0.183
25	3.29	0.0040	0.102
40	4.52	0.0017	0.044
50	5.30	0.0010	0.025
60	6.08	0.0006	0.015
75	7.27	0.0003	0.006
84	8.14	0.0001	0.004
90	8.79	0.0001	0.002
95	9.61	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.30	5.30	5.30
Median, in.	0.0010	0.0010	0.0010
Median, mm	0.025	0.025	0.025
Mean, phi	4.20	5.30	5.30
Mean, in.	0.0021	0.0010	0.0010
Mean, mm	0.054	0.025	0.025
Sorting	3.980	2.842	2.744
Skewness	1.016	-0.003	-0.009
Kurtosis	0.154	0.537	0.898
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	7.32
Fine Sand	200	23.17
Silt	>0.005 mm	49.02
Clay	<0.005 mm	20.50
	Total	**100**

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PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422M)

PROJECT NAME: UTC Canoga Park
PROJECT NO: 32594-455

Sample ID	Depth, ft.	Mean Grain Size Description USCS/ASTM (1)	Median Grain Size, mm	Particle Size Distribution, wt. percent				
				Gravel	Sand Size			Silt/Clay
					Coarse	Medium	Fine	
DP0387-SS-0.5-1.5	0.7	Fine sand	0.176	0.21	1.53	19.19	60.71	18.36
DP0379-SS-1-2-01	1.25	Coarse sand	1.266	32.67	8.64	27.08	22.65	8.96

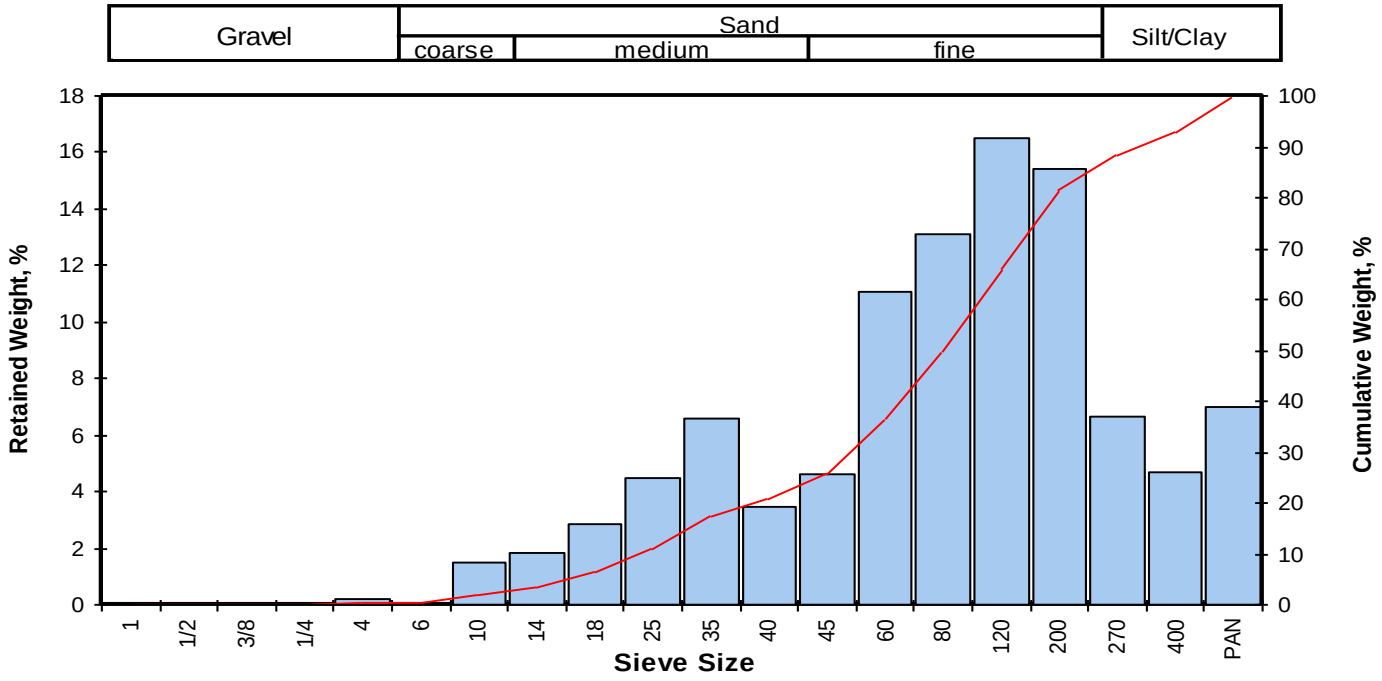
(1) Based on Mean fromTrask

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D422M

Client: Haley & Aldrich, Inc.
Project: UTC Canoga Park
Project No: 32594-455

PTS File No: 45385
Sample ID: DP0387-SS-0.5-1.5
Depth, ft: 0.7



Opening		Phi of	U.S. Sieve	Sample Weight	Incremental Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.9844	25.002	-4.64	1	0.00	0.00	0.00
0.4922	12.501	-3.64	1/2	0.00	0.00	0.00
0.3740	9.500	-3.25	3/8	0.00	0.00	0.00
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.17	0.21	0.21
0.1324	3.364	-1.75	6	0.00	0.00	0.21
0.0787	2.000	-1.00	10	1.22	1.53	1.74
0.0557	1.414	-0.50	14	1.47	1.84	3.58
0.0394	1.000	0.00	18	2.26	2.83	6.40
0.0278	0.707	0.50	25	3.57	4.46	10.86
0.0197	0.500	1.00	35	5.28	6.60	17.46
0.0166	0.420	1.25	40	2.77	3.46	20.93
0.0139	0.354	1.50	45	3.67	4.59	25.52
0.0098	0.250	2.00	60	8.86	11.08	36.59
0.0070	0.177	2.50	80	10.46	13.08	49.67
0.0049	0.125	3.00	120	13.22	16.53	66.20
0.0029	0.074	3.75	200	12.35	15.44	81.64
0.0021	0.053	4.25	270	5.34	6.68	88.31
0.0015	0.037	4.75	400	3.75	4.69	93.00
			PAN	5.60	7.00	100.00
TOTALS				79.99	100.00	100.00

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-0.25	0.0468	1.187
10	0.40	0.0298	0.756
16	0.89	0.0213	0.540
25	1.47	0.0142	0.361
40	2.13	0.0090	0.228
50	2.51	0.0069	0.176
60	2.81	0.0056	0.142
75	3.43	0.0037	0.093
84	3.93	0.0026	0.066
90	4.43	0.0018	0.046

Measure	Trask	Inman	Folk-Ward
Median, phi	2.51	2.51	2.51
Median, in.	0.0069	0.0069	0.0069
Median, mm	0.176	0.176	0.176
Mean, phi	2.14	2.41	2.44
Mean, in.	0.0089	0.0074	0.0072
Mean, mm	0.227	0.188	0.184
Sorting	1.970	1.519	
Skewness	1.043	-0.067	
Kurtosis	0.188		

Grain Size Description (ASTM-USCS Scale)	Fine sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.21
Coarse Sand	10	1.53
Medium Sand	40	19.19
Fine Sand	200	60.71
Silt/Clay	<200	18.36
	Total	100

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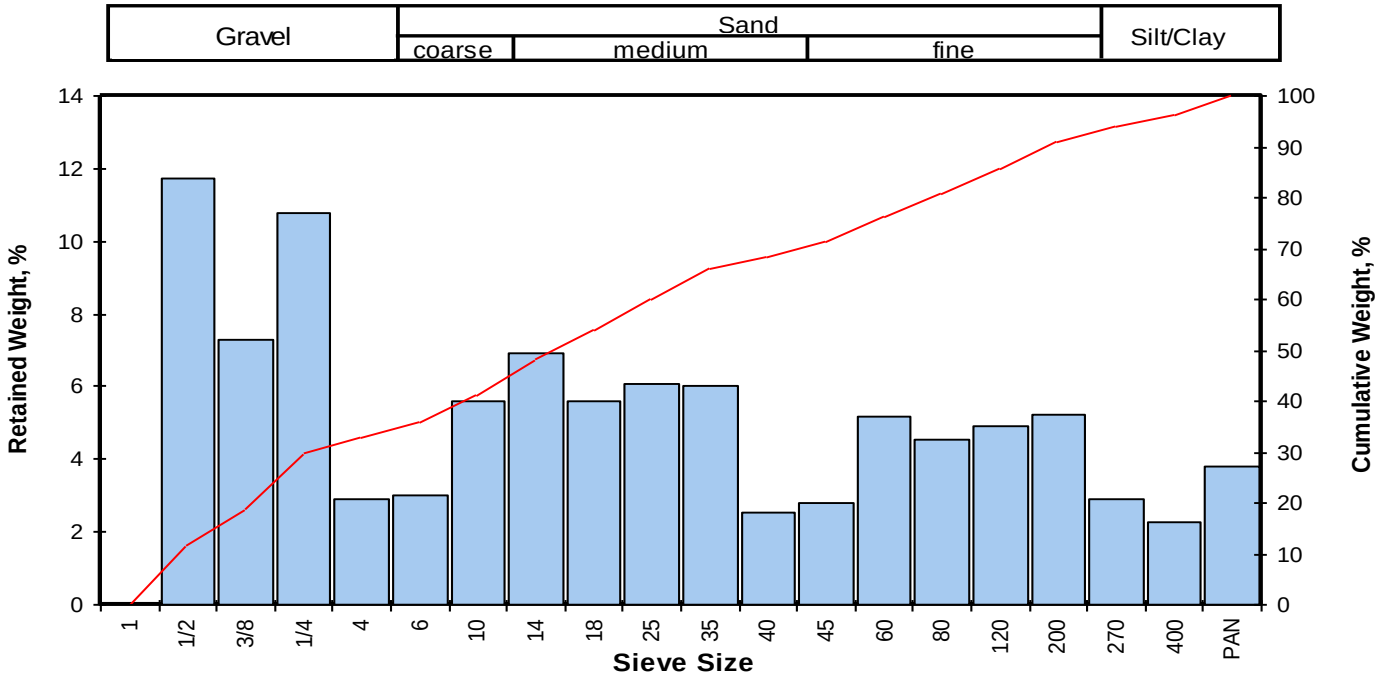
PTS Laboratories, Inc.

Particle Size Analysis - ASTM D422M

Client: Haley & Aldrich, Inc.
Project: UTC Canoga Park
Project No: 32594-455

PTS File No: 45385
Sample ID: DP0379-SS-1-2-01
Depth, ft: 1.25



Opening		Phi of	U.S. Sieve	Sample Weight	Incremental Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.9844	25.002	-4.64	1	0.00	0.00	0.00
0.4922	12.501	-3.64	1/2	16.23	11.72	11.72
0.3740	9.500	-3.25	3/8	10.08	7.28	19.01
0.2500	6.351	-2.67	1/4	14.93	10.79	29.79
0.1873	4.757	-2.25	4	3.99	2.88	32.67
0.1324	3.364	-1.75	6	4.18	3.02	35.69
0.0787	2.000	-1.00	10	7.78	5.62	41.31
0.0557	1.414	-0.50	14	9.56	6.91	48.22
0.0394	1.000	0.00	18	7.72	5.58	53.80
0.0278	0.707	0.50	25	8.40	6.07	59.86
0.0197	0.500	1.00	35	8.31	6.00	65.87
0.0166	0.420	1.25	40	3.49	2.52	68.39
0.0139	0.354	1.50	45	3.89	2.81	71.20
0.0098	0.250	2.00	60	7.15	5.17	76.36
0.0070	0.177	2.50	80	6.31	4.56	80.92
0.0049	0.125	3.00	120	6.78	4.90	85.82
0.0029	0.074	3.75	200	7.23	5.22	91.04
0.0021	0.053	4.25	270	3.99	2.88	93.92
0.0015	0.037	4.75	400	3.17	2.29	96.21
			PAN	5.24	3.79	100.00
TOTALS				138.43	100.00	100.00

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-4.22	0.7324	18.604
10	-3.79	0.5450	13.843
16	-3.41	0.4189	10.640
25	-2.93	0.2990	7.595
40	-1.18	0.0889	2.258
50	-0.34	0.0498	1.266
60	0.51	0.0276	0.702
75	1.87	0.0108	0.274
84	2.81	0.0056	0.142
90	3.60	0.0032	0.082
95	4.48	0.0018	0.045

Measure	Trask	Inman	Folk-Ward
Median, phi	-0.34	-0.34	-0.34
Median, in.	0.0498	0.0498	0.0498
Median, mm	1.266	1.266	1.266
Mean, phi	-1.98	-0.30	-0.31
Mean, in.	0.1549	0.0484	0.0489
Mean, mm	3.935	1.230	1.242
Sorting	5.265	3.113	2.875
Skewness	1.139	0.013	0.061
Kurtosis	0.266	0.398	0.744

Grain Size Description (ASTM-USCS Scale)	Coarse sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	32.67
Coarse Sand	10	8.64
Medium Sand	40	27.08
Fine Sand	200	22.65
Silt/Clay	<200	8.96
	Total	100

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PTS File No: 45385
Client: Haley & Aldrich, Inc.
Report Date: 07/13/15

PTS Laboratories

ORGANIC CARBON DATA - TOC (foc)

(Methodology: Walkley-Black)

Project Name: UTC Canoga Park
Project No: 32594-455

SAMPLE ID.	DEPTH, ft.	ANALYSIS DATE	ANALYSIS TIME	SAMPLE MATRIX	TOTAL ORGANIC CARBON, mg/kg	FRACTION ORGANIC CARBON, g/g
DP0375-SS-005-006	5.35	20150710	1315	SOIL	900	9.00E-04
DP0375-SS-08.5-010	8.8	20150710	1315	SOIL	680	6.80E-04
DP0375-SS-010.5-012	10.85	20150710	1315	SOIL	1250	1.25E-03
DP0387-SS-0.5-1.5	0.65	20150710	1315	SOIL	900	9.00E-04
DP0387-SS-1.5-2.5	1.75	20150710	1315	SOIL	4900	4.90E-03
DP0387-SS-5-6	5.1	20150710	1315	SOIL	1250	1.25E-03
DP0387-SS-14-15	14.25	20150710	1315	SOIL	1610	1.61E-03
DP0383-SS-0.5-1.2	0.8	20150710	1315	SOIL	2250	2.25E-03
DP0383-SS-1.5-2.5	1.75	20150710	1315	SOIL	8150	8.15E-03
DP0383-SS-10.5-12-01	10.75	20150710	1315	SOIL	2650	2.65E-03
DP0383-SS-005-006-01	5.25	20150710	1315	SOIL	1050	1.05E-03
DP0379-SS-1-2-01	1.3	20150710	1315	SOIL	2250	2.25E-03
DP0379-SS-2-3-01	2.25	20150710	1315	SOIL	1850	1.85E-03
DP0379-SS-7-8	7.25	20150710	1315	SOIL	310	3.10E-04
DP0379-SS-11.5-13	11.75	20150710	1315	SOIL	110	1.10E-04
DP0391-SS-0.5-1.5	0.75	20150710	1315	SOIL	1700	1.70E-03
DP0391-SS-1.5-3	1.75	20150710	1315	SOIL	7950	7.95E-03
DP0391-SS-6.25-7.5	6.5	20150710	1315	SOIL	1050	1.05E-03
Blank	N/A	20150710	1315	BLANK	ND	ND
SRM D088-542	N/A	20150710	1315	SRM	4540	4.54E-03
				Reporting Limit:	100	1.00E-04

QC DATA

SRM ID/Lot No.	REC (%)	Control Limits	Certified Concentration mg/kg	QC Performance Acceptance Limits, mg/kg Lower	Upper
SRM D088-542	105	75-125	4330	3248	5413

ND = Not Detected

CHAIN OF CUSTODY FORM

45385

HALEY & ALDRICH
3187 Red Hill Avenue
Suite 155
Costa Mesa, CA 92626-3410
(714) 371-1800 Fax (714) 641-2811

Project Name/Address: VTC Canoga Park, 6633 Canoga Ave, Canoga Park, CA	Project /PO Number: 32594-455
Project Manager: Tom Tatnall	Phone Number: above.
Sampled by (signature): K. Hoggan	Fax Number:

Sample Identification	Lab ID No.	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: Cal-EPA DTSC Vapor Intrusion package
DP0375-SS-005-006		S	sleeve	1	6/24/15	12:10		X
DP0375-SS-08.5-010						12:20		X
DP0375-SS-010.5-012						12:15		X
DP0387-SS-0.5-1.5						16:15		X
DP0387-SS-1.5-2.5						16:10		X
DP0387-SS-5-6						16:25		X
DP0387-SS-14-15					↓	16:30		X
DP0383-SS-0.5-1.2					6/25/15	9:05		X
DP0383-SS-1.5-2.5						9:07		X
DP0383-SS-10.5-12-01						9:12		X
DP0383-SS-005-006-01		↓	↓	↓	↓	9:10		X

Lab Name: PTS Labs			
Lab Address: 8100 Secura Way, Santa Fe Springs CA 90670			
Special Instructions: Email addresses: TTatnall@haleyaldrich.com + KHoggan@haleyaldrich.com			
Relinquished By: Fulbert Chan	Date/Time: 6/26/15 1015	Received By: PTS LABS	Date/Time: 6/26/15 10:15
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:

Turnaround Time (Check)
24 Hours ___ 5 Days ___
48 Hours ___ 10 Days ✓
72 Hours ___ Other ___

Sample Integrity (Check): 74.2°F
On Ice ___ Intact ✓

CHAIN OF CUSTODY FORM

45385

HALEY & ALDRICH
3187 Red Hill Avenue
Suite 155
Costa Mesa, CA 92626-3410
(714) 371-1800 Fax (714) 641-2811

Project Name/Address: VTC Canoga Park, 6633 Canoga Ave, Canoga Park, CA	Project /PO Number: 32594-455
Project Manager: Tom Tatnall	Phone Number: above.
Sampled by (signature):	Fax Number:

Sample Identification	Lab ID No.	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: CAL-EPA DTSC Vapors (TPH/BTEX/Naphthalene)	Analysis Required: Hold	Analysis Required:	Analysis Required:	Analysis Required:	Analysis Required:	Analysis Required:	Special Instructions
DP0379-SS-1-2	-01	SO	sleeve	1	6/25/15	1710	N	X							
DP0379-SS-2-3	-01			1		1715		X							
DP0379-SS-	7-8			1		1720		X							
DP0379-SS-	11.5-13			1		1730		X							
DP0379-SS-	13.5-15			1		1735			X						
DP0391-SS-	0.5-1.5			1		16:30		X							
DP0391-SS-	1.5-3			1		16:25		X							
DP0391-SS-	6.25-7.5			1		16:40		X							

Relinquished By: Fulbert Chan	Date/Time: 6/26/15 1015	Received By: PTS LABS	Date/Time: 6/26/15 10:15
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:

Lab Name: PTS Labs
Lab Address: 8100 Secura Way, Santa Fe Springs, CA 90670

Turnaround Time (Check)
24 Hours ___ 5 Days ___
48 Hours ___ 10 Days ✓
72 Hours ___ Other ___

Sample Integrity (Check): 74.2°F
On Ice ___ Intact ✓

ATTACHMENT C

Investigation Derived Waste Disposal Documentation

NON-HAZARDOUS WASTE MANIFEST

7W 1502685021

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

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. CAD074103771	Manifest Document No. NH1502685021	2. Page 1 of 1

3. Generator's Name and Mailing Address
United Technologies Corporation
9 Farm Springs Road
Farmington CT 06032

4. Generator's Phone ( )

Site Address
6633 Canoga Avenue
Canoga Park, CA 91303, CA 91303

5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID
Clean Harbors Environmental Services Inc	MAD039322250	B. Transporter 1 Phone (781) 792-5000
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID
		D. Transporter 2 Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	E. State Facility's ID
Clean Harbors Wilmington LLC 1737 East Denni Street Wilmington, CA 90744	CAD044429835	9060019999
		F. Facility's Phone (310) 835-9998

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON HAZARDOUS, NON D.O.T. REGULATED, (SOIL)	01	DM	600	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
11aCH1041494 (01V55

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE # (800) 483-3718
GENERATOR: United Technologies Corporation

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
Phyllis Miller	[signature]	8	20	K

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
[illegible]	[signature]	8	20	K

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Date Month	Day	Year

GENERATOR

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Northern California ACCUTEST LABORATORIES

07/06/15

Technical Report for

United Technology Corporation

HALDCAM:SL204281528 UTC Canoga Park

DRUM

Accutest Job Number: C40527

Sampling Date: 06/26/15

Report to:

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Total number of pages in report: **61**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

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Sample Summary

United Technology Corporation

Job No: C40527

HALDCAM:SL204281528 UTC Canoga Park
Project No: DRUM

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C40527-1	06/26/15	15:00	DG	06/27/15	SO	Soil	DRUM-062615

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C40527
Account: United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park
Collected: 06/26/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C40527-1	**DRUM-062615**					
Diethyl phthalate		105 JB	170	28	ug/kg	SW846 8270C
TPH (C10-C28)		2.99 J	3.3	0.82	mg/kg	SW846 8015B M
TPH (> C28-C40)		2.48 J	6.5	1.6	mg/kg	SW846 8015B M
Aroclor 1260 [a]		27.5 J	33	6.6	ug/kg	SW846 8082
Arsenic		4.0	1.7		mg/kg	SW846 6010B
Barium		128	17		mg/kg	SW846 6010B
Cadmium		1.1	0.87		mg/kg	SW846 6010B
Chromium		23.9	0.87		mg/kg	SW846 6010B
Cobalt		5.3	0.87		mg/kg	SW846 6010B
Copper		161	2.2		mg/kg	SW846 6010B
Lead		5.8	1.7		mg/kg	SW846 6010B
Molybdenum		2.4	1.7		mg/kg	SW846 6010B
Nickel		66.4	0.87		mg/kg	SW846 6010B
Vanadium		43.7	0.87		mg/kg	SW846 6010B
Zinc		50.7	1.7		mg/kg	SW846 6010B

(a) Quantitation between primary and confirmation differed by > 40% RPD. Higher value reported on signal#1 due to CCV biased low on signal#2.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	DRUM-062615		
Lab Sample ID:	C40527-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M54053.D	1	06/29/15	XB	n/a	n/a	VM1632
Run #2							

	Initial Weight
Run #1	5.34 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	37	9.4	ug/kg	
71-43-2	Benzene	ND	4.7	0.47	ug/kg	
108-86-1	Bromobenzene	ND	4.7	0.47	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.47	ug/kg	
75-27-4	Bromodichloromethane	ND	4.7	0.47	ug/kg	
75-25-2	Bromoform	ND	4.7	0.47	ug/kg	
104-51-8	n-Butylbenzene	ND	4.7	0.47	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.7	0.47	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.7	0.47	ug/kg	
108-90-7	Chlorobenzene	ND	4.7	0.47	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.94	ug/kg	
67-66-3	Chloroform	ND	4.7	0.47	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.7	0.47	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.7	0.47	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.7	0.47	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.7	0.47	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.7	0.47	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.7	0.47	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.7	1.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.7	0.47	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.7	0.47	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.7	0.47	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.7	0.47	ug/kg	
108-20-3	Di-Isopropyl ether	ND	4.7	0.47	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.7	0.47	ug/kg	
124-48-1	Dibromochloromethane	ND	4.7	0.47	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.94	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.7	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.7	0.47	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.7	0.47	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.7	0.47	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.7	0.47	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRUM-062615		
Lab Sample ID:	C40527-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 UTC Canoga Park		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	4.7	0.47	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.7	0.47	ug/kg	
100-41-4	Ethylbenzene	ND	4.7	0.47	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	4.7	0.47	ug/kg	
591-78-6	2-Hexanone	ND	19	1.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.7	0.94	ug/kg	
98-82-8	Isopropylbenzene	ND	4.7	0.47	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.7	0.47	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	19	1.9	ug/kg	
74-83-9	Methyl bromide	ND	4.7	0.94	ug/kg	
74-87-3	Methyl chloride	ND	4.7	0.94	ug/kg	
74-95-3	Methylene bromide	ND	4.7	0.47	ug/kg	
75-09-2	Methylene chloride	ND	19	4.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	19	1.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.7	0.94	ug/kg	
91-20-3	Naphthalene	ND	4.7	0.94	ug/kg	
103-65-1	n-Propylbenzene	ND	4.7	0.47	ug/kg	
100-42-5	Styrene	ND	4.7	0.47	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	4.7	0.47	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	37	9.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.7	0.47	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.7	0.47	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.7	0.47	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.7	0.47	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	0.47	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.7	0.94	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	0.47	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.7	0.94	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.7	0.94	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.7	0.56	ug/kg	
108-88-3	Toluene	ND	4.7	0.47	ug/kg	
79-01-6	Trichloroethylene	ND	4.7	0.47	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.94	ug/kg	
75-01-4	Vinyl chloride	ND	4.7	0.94	ug/kg	
1330-20-7	Xylene (total)	ND	9.4	0.94	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		75-125%
2037-26-5	Toluene-D8	98%		80-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRUM-062615		
Lab Sample ID:	C40527-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 UTC Canoga Park		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		71-126%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRUM-062615		
Lab Sample ID:	C40527-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y31739.D	1	07/02/15	MT	07/01/15	OP12535	EY1463
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	660	160	ug/kg	
95-57-8	2-Chlorophenol	ND	170	71	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	71	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	77	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	660	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	62	ug/kg	
95-48-7	2-Methylphenol	ND	170	88	ug/kg	
	3&4-Methylphenol	ND	330	78	ug/kg	
88-75-5	2-Nitrophenol	ND	170	79	ug/kg	
100-02-7	4-Nitrophenol	ND	330	40	ug/kg	
87-86-5	Pentachlorophenol	ND	330	34	ug/kg	
108-95-2	Phenol	ND	170	69	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	75	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	70	ug/kg	
83-32-9	Acenaphthene	ND	170	73	ug/kg	
208-96-8	Acenaphthylene	ND	170	78	ug/kg	
62-53-3	Aniline	ND	170	44	ug/kg	
120-12-7	Anthracene	ND	170	53	ug/kg	
103-33-3	Azobenzene	ND	170	59	ug/kg	
92-87-5	Benzidine	ND	660	79	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	43	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	67	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	33	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	89	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	75	ug/kg	
106-47-8	4-Chloroaniline	ND	170	50	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DRUM-062615
Lab Sample ID: C40527-1
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: HALDCAM:SL204281528 UTC Canoga Park

Date Sampled: 06/26/15
Date Received: 06/27/15
Percent Solids: n/a [a]

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	74	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	66	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	67	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	75	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	75	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	73	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	71	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	71	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	74	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	69	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	41	ug/kg	
132-64-9	Dibenzofuran	ND	170	73	ug/kg	
122-39-4	Diphenylamine	ND	170	65	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	170	33	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	34	ug/kg	
84-66-2	Diethyl phthalate	105	170	28	ug/kg	JB
131-11-3	Dimethyl phthalate	ND	170	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	66	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	72	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	70	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	96	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	92	ug/kg	
67-72-1	Hexachloroethane	ND	170	70	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	42	ug/kg	
78-59-1	Isophorone	ND	170	69	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	76	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	79	ug/kg	
88-74-4	2-Nitroaniline	ND	170	67	ug/kg	
99-09-2	3-Nitroaniline	ND	170	50	ug/kg	
100-01-6	4-Nitroaniline	ND	170	43	ug/kg	
91-20-3	Naphthalene	ND	170	77	ug/kg	
98-95-3	Nitrobenzene	ND	170	77	ug/kg	
62-75-9	N-Nitrosodimethylamine	ND	170	66	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	72	ug/kg	
85-01-8	Phenanthrene	ND	170	58	ug/kg	
129-00-0	Pyrene	ND	170	33	ug/kg	
110-86-1	Pyridine	ND	330	45	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	75	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRUM-062615		
Lab Sample ID:	C40527-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 UTC Canoga Park		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		19-110%
4165-62-2	Phenol-d5	77%		25-113%
118-79-6	2,4,6-Tribromophenol	89%		25-140%
4165-60-0	Nitrobenzene-d5	64%		22-110%
321-60-8	2-Fluorobiphenyl	62%		28-116%
1718-51-0	Terphenyl-d14	98%		59-139%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRUM-062615		
Lab Sample ID:	C40527-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8015B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK53940.D	1	07/01/15	AN	n/a	n/a	GJK2354
Run #2							

	Initial Weight
Run #1	5.01 g
Run #2	

TPH Volatiles

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	83%		60-115%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRUM-062615		
Lab Sample ID:	C40527-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP042660.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.6	ug/kg	
11104-28-2	Aroclor 1221	ND	33	16	ug/kg	
11141-16-5	Aroclor 1232	ND	33	16	ug/kg	
53469-21-9	Aroclor 1242	ND	33	16	ug/kg	
12672-29-6	Aroclor 1248	ND	33	16	ug/kg	
11097-69-1	Aroclor 1254	ND	33	16	ug/kg	
11096-82-5	Aroclor 1260 [b]	27.5	33	6.6	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		44-135%
877-09-8	Tetrachloro-m-xylene	93%		44-135%
2051-24-3	Decachlorobiphenyl	73%		31-163%
2051-24-3	Decachlorobiphenyl	61%		31-163%

(a) All results reported on a wet weight basis.
(b) Quantitation between primary and confirmation differed by > 40% RPD. Higher value reported on signal#1 due to CCV biased low on signal#2.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRUM-062615		
Lab Sample ID:	C40527-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	n/a [a]
Project:	HALDCAM:SL204281528 UTC Canoga Park		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG59342.D	1	07/01/15	NN	06/29/15	OP12523	GGG1753
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	2.99	3.3	0.82	mg/kg	J
	TPH (> C28-C40)	2.48	6.5	1.6	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	91%		37-122%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DRUM-062615		
Lab Sample ID:	C40527-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	n/a [a]
Project:	HALDCAM:SL204281528 UTC Canoga Park		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 1.7	1.7	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Arsenic	4.0	1.7	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Barium	128	17	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Beryllium	< 0.87	0.87	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Cadmium	1.1	0.87	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Chromium	23.9	0.87	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Cobalt	5.3	0.87	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Copper	161	2.2	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Lead	5.8	1.7	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Mercury	< 0.039	0.039	mg/kg	1	07/02/15	07/02/15	EB	SW846 7471A [2]	SW846 7471A [4]
Molybdenum	2.4	1.7	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Nickel	66.4	0.87	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Selenium	< 1.7	1.7	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Silver	< 0.87	0.87	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Thallium	< 1.7	1.7	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Vanadium	43.7	0.87	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]
Zinc	50.7	1.7	mg/kg	1	06/30/15	06/30/15	RS	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA4996
(2) Instrument QC Batch: MA5008
(3) Prep QC Batch: MP9736
(4) Prep QC Batch: MP9757

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DRUM-062615		
Lab Sample ID:	C40527-1	**Date Sampled:**	06/26/15
Matrix:	SO - Soil	**Date Received:**	06/27/15
		Percent Solids:	n/a [a]
Project:	HALDCAM:SL204281528 UTC Canoga Park		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.0	1.0	mg/kg	1	07/02/15 15:51	PH	SW846 3060A/7196A

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking # 8019 5768 4455
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C40527

Client / Reporting Information

Company Name: Haley & Aldrich
Address: 3187 Red Hill #155
City: COSTA MESA, State: CA, Zip:
Project Contact: Tom Tatnall
Phone #: (714) 371-1800
Samplers's Name: D. GARCIA

Project Information

Project Name: WC Canoga - Drum
Street: 6633 Canoga Ave
City: Canoga Park, State: CA
Project #: 32594-455
EMAIL: TTATNALL@haleyaldrich.com
Client Purchase Order #

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Methanol	Water	HNO3	HCSO4	NONE	NaHSO4	MEOH	ENCORE	VOCs	SVOCs	TPH	CAM-17 METALS	Cr VI	PCBs	FSH Bioassay					LAB USE ONLY
1	DRUM-062615	6/26/15	1500	D. GARCIA	SO	4	X	X			X				X	X	X	X	X	X	X					
↓	↓	↓	↓	↓	↓	1					X				X	X	X	X	X	X	X					
↓	↓	↓	↓	↓	↓	1					X				X	X	X	X	X	X	X					

Matrix Codes

WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Turnaround Time (Business days)

Approved By / Date:

- [ ] 10 Day
- [x] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Emergency T/A data available VIA Lablink 1500

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [ ] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker
- [x] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature] 6/26/15		1 [signature] 6-26-15 1510	2 [signature]	6-26-15 1545	2
3 FEDEX	6/27/15 0945	3 [signature]	4		4
5		5	Custody Seal # 1WTACT	Appropriate Bottle / Pres. Y / N; Labels match Coc? Y / N; Headspace Y / N; Separate Receiving Check List used: Y / N; On Ice Y / N	Cooler Temp. 3.2-0.1 2.7

IRVINE

4.1

4

C40527: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C40527 **Client:** HALEY & ALDRICH **Project:** UTC CANOGA-DRUM

Date / Time Received: 6/27/2015 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 807957684455

Cooler Temps (Initial/Adjusted): #1: (3.2/3.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Therm ID:	IR2;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

C40527: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1632-MB	M54051.D	1	06/29/15	XB	n/a	n/a	VM1632

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40527-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.50	ug/kg	
75-25-2	Bromoform	ND	5.0	0.50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.50	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	0.50	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	0.50	ug/kg	

Method Blank Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1632-MB	M54051.D	1	06/29/15	XB	n/a	n/a	VM1632

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40527-1

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.50	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.50	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	75-125%

Method Blank Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1632-MB	M54051.D	1	06/29/15	XB	n/a	n/a	VM1632

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40527-1

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	98%	80-121%
460-00-4	4-Bromofluorobenzene	104%	71-126%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1632-BS	M54048.D	1	06/29/15	XB	n/a	n/a	VM1632
VM1632-BSD	M54049.D	1	06/29/15	XB	n/a	n/a	VM1632

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40527-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	147	92	144	90	2	59-143/27
71-43-2	Benzene	40	37.5	94	36.5	91	3	80-122/13
108-86-1	Bromobenzene	40	36.2	91	36.6	92	1	76-122/12
74-97-5	Bromochloromethane	40	38.8	97	38.1	95	2	81-126/13
75-27-4	Bromodichloromethane	40	35.5	89	35.0	88	1	76-124/13
75-25-2	Bromoform	40	33.8	85	36.2	91	7	72-134/14
104-51-8	n-Butylbenzene	40	42.1	105	40.0	100	5	76-122/14
135-98-8	sec-Butylbenzene	40	42.3	106	40.6	102	4	77-124/14
98-06-6	tert-Butylbenzene	40	41.8	105	40.4	101	3	76-124/13
108-90-7	Chlorobenzene	40	35.8	90	36.3	91	1	78-122/12
75-00-3	Chloroethane	40	37.9	95	36.9	92	3	71-126/16
67-66-3	Chloroform	40	38.4	96	36.8	92	4	79-126/13
95-49-8	o-Chlorotoluene	40	42.9	107	41.0	103	5	73-124/15
106-43-4	p-Chlorotoluene	40	34.4	86	34.4	86	0	73-127/16
56-23-5	Carbon tetrachloride	40	38.7	97	36.9	92	5	78-127/15
75-34-3	1,1-Dichloroethane	40	38.0	95	36.8	92	3	76-123/14
75-35-4	1,1-Dichloroethylene	40	38.9	97	37.6	94	3	73-124/15
563-58-6	1,1-Dichloropropene	40	34.1	85	33.2	83	3	78-126/14
96-12-8	1,2-Dibromo-3-chloropropane	40	35.8	90	35.8	90	0	62-127/21
106-93-4	1,2-Dibromoethane	40	33.3	83	36.2	91	8	76-123/13
107-06-2	1,2-Dichloroethane	40	34.9	87	34.7	87	1	74-125/12
78-87-5	1,2-Dichloropropane	40	36.6	92	36.6	92	0	76-123/12
142-28-9	1,3-Dichloropropane	40	35.0	88	37.4	94	7	77-121/13
108-20-3	Di-Isopropyl ether	40	37.1	93	35.8	90	4	71-126/14
594-20-7	2,2-Dichloropropane	40	42.1	105	39.6	99	6	77-132/17
124-48-1	Dibromochloromethane	40	34.3	86	35.5	89	3	73-127/13
75-71-8	Dichlorodifluoromethane	40	54.6	137	51.4	129	6	52-141/20
156-59-2	cis-1,2-Dichloroethylene	40	41.0	103	39.9	100	3	80-124/13
10061-01-5	cis-1,3-Dichloropropene	40	36.8	92	39.2	98	6	77-125/13
541-73-1	m-Dichlorobenzene	40	37.0	93	36.9	92	0	76-123/12
95-50-1	o-Dichlorobenzene	40	38.1	95	37.2	93	2	76-123/12
106-46-7	p-Dichlorobenzene	40	36.7	92	36.7	92	0	77-121/12
156-60-5	trans-1,2-Dichloroethylene	40	36.9	92	35.7	89	3	78-123/15
10061-02-6	trans-1,3-Dichloropropene	40	33.7	84	36.2	91	7	71-122/13
100-41-4	Ethylbenzene	40	37.4	94	37.3	93	0	79-121/13
637-92-3	Ethyl tert-Butyl Ether	40	37.1	93	36.1	90	3	76-131/13

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1632-BS	M54048.D	1	06/29/15	XB	n/a	n/a	VM1632
VM1632-BSD	M54049.D	1	06/29/15	XB	n/a	n/a	VM1632

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40527-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	128	80	152	95	17	65-135/20
87-68-3	Hexachlorobutadiene	40	45.3	113	37.0	93	20* [a]	77-131/17
98-82-8	Isopropylbenzene	40	39.7	99	38.0	95	4	80-124/14
99-87-6	p-Isopropyltoluene	40	41.9	105	40.5	101	3	78-122/13
108-10-1	4-Methyl-2-pentanone	160	139	87	153	96	10	70-135/18
74-83-9	Methyl bromide	40	41.7	104	40.5	101	3	74-130/15
74-87-3	Methyl chloride	40	42.9	107	41.6	104	3	65-131/22
74-95-3	Methylene bromide	40	35.4	89	36.3	91	3	78-124/13
75-09-2	Methylene chloride	40	38.7	97	36.8	92	5	75-121/16
78-93-3	Methyl ethyl ketone	160	141	88	162	101	14	70-137/21
1634-04-4	Methyl Tert Butyl Ether	40	35.1	88	34.4	86	2	75-127/16
91-20-3	Naphthalene	40	34.3	86	33.2	83	3	67-127/19
103-65-1	n-Propylbenzene	40	38.7	97	37.6	94	3	75-123/13
100-42-5	Styrene	40	36.2	91	37.1	93	2	78-122/12
994-05-8	Tert-Amyl Methyl Ether	40	38.1	95	36.9	92	3	77-127/13
75-65-0	Tert Butyl Alcohol	200	176	88	189	95	7	61-141/32
630-20-6	1,1,1,2-Tetrachloroethane	40	38.4	96	36.4	91	5	78-124/13
71-55-6	1,1,1-Trichloroethane	40	40.4	101	38.9	97	4	79-128/15
79-34-5	1,1,2,2-Tetrachloroethane	40	35.5	89	35.6	89	0	70-125/14
79-00-5	1,1,2-Trichloroethane	40	34.0	85	36.1	90	6	74-122/13
87-61-6	1,2,3-Trichlorobenzene	40	40.5	101	36.4	91	11	75-128/18
96-18-4	1,2,3-Trichloropropane	40	32.7	82	35.9	90	9	74-125/15
120-82-1	1,2,4-Trichlorobenzene	40	42.2	106	36.5	91	14	77-128/16
95-63-6	1,2,4-Trimethylbenzene	40	40.0	100	38.0	95	5	76-121/13
108-67-8	1,3,5-Trimethylbenzene	40	42.3	106	40.4	101	5	78-123/13
127-18-4	Tetrachloroethylene	40	36.4	91	37.1	93	2	77-125/14
108-88-3	Toluene	40	37.1	93	37.0	93	0	78-120/13
79-01-6	Trichloroethylene	40	36.9	92	36.9	92	0	80-124/13
75-69-4	Trichlorofluoromethane	40	42.4	106	40.4	101	5	78-130/17
75-01-4	Vinyl chloride	40	41.5	104	39.1	98	6	69-136/18
1330-20-7	Xylene (total)	120	112	93	112	93	0	78-122/13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	98%	75-125%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1632-BS	M54048.D	1	06/29/15	XB	n/a	n/a	VM1632
VM1632-BSD	M54049.D	1	06/29/15	XB	n/a	n/a	VM1632

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40527-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	100%	98%	80-121%
460-00-4	4-Bromofluorobenzene	98%	100%	71-126%

(a) Outside laboratory control limits. AZ:R7

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1632-LCS	M54050.D	1	06/29/15	XB	n/a	n/a	VM1632

The QC reported here applies to the following samples: **Method:** SW846 8260B

C40527-1

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	75-125%
2037-26-5	Toluene-D8	101%	80-121%
460-00-4	4-Bromofluorobenzene	103%	71-126%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-MB	Y31721.D	1	07/01/15	MT	07/01/15	OP12535	EY1462

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40527-1

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	670	160	ug/kg	
95-57-8	2-Chlorophenol	ND	170	71	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	72	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	78	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	670	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	62	ug/kg	
95-48-7	2-Methylphenol	ND	170	88	ug/kg	
	3&4-Methylphenol	ND	330	79	ug/kg	
88-75-5	2-Nitrophenol	ND	170	79	ug/kg	
100-02-7	4-Nitrophenol	ND	330	40	ug/kg	
87-86-5	Pentachlorophenol	ND	330	34	ug/kg	
108-95-2	Phenol	ND	170	69	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	75	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	71	ug/kg	
83-32-9	Acenaphthene	ND	170	73	ug/kg	
208-96-8	Acenaphthylene	ND	170	78	ug/kg	
62-53-3	Aniline	ND	170	44	ug/kg	
120-12-7	Anthracene	ND	170	54	ug/kg	
103-33-3	Azobenzene	ND	170	59	ug/kg	
92-87-5	Benzidine	ND	670	79	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	43	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	67	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	33	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	89	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	76	ug/kg	
106-47-8	4-Chloroaniline	ND	170	50	ug/kg	
86-74-8	Carbazole	ND	170	35	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	74	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	67	ug/kg	

Method Blank Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-MB	Y31721.D	1	07/01/15	MT	07/01/15	OP12535	EY1462

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40527-1

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	76	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	75	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	74	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	72	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	72	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	75	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	70	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	41	ug/kg	
132-64-9	Dibenzofuran	ND	170	73	ug/kg	
122-39-4	Diphenylamine	ND	170	65	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	170	33	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	34	ug/kg	
84-66-2	Diethyl phthalate [a]	111	170	28	ug/kg	J
131-11-3	Dimethyl phthalate	ND	170	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	67	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	72	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	71	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	96	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	92	ug/kg	
67-72-1	Hexachloroethane	ND	170	71	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	43	ug/kg	
78-59-1	Isophorone	ND	170	69	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	76	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	80	ug/kg	
88-74-4	2-Nitroaniline	ND	170	67	ug/kg	
99-09-2	3-Nitroaniline	ND	170	50	ug/kg	
100-01-6	4-Nitroaniline	ND	170	43	ug/kg	
91-20-3	Naphthalene	ND	170	77	ug/kg	
98-95-3	Nitrobenzene	ND	170	78	ug/kg	
62-75-9	N-Nitrosodimethylamine	ND	170	66	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	72	ug/kg	
85-01-8	Phenanthrene	ND	170	58	ug/kg	
129-00-0	Pyrene	ND	170	33	ug/kg	
110-86-1	Pyridine	ND	330	46	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	75	ug/kg	

Method Blank Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-MB	Y31721.D	1	07/01/15	MT	07/01/15	OP12535	EY1462

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40527-1

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	73%	19-110%
4165-62-2	Phenol-d5	80%	25-113%
118-79-6	2,4,6-Tribromophenol	86%	25-140%
4165-60-0	Nitrobenzene-d5	71%	22-110%
321-60-8	2-Fluorobiphenyl	70%	28-116%
1718-51-0	Terphenyl-d14	98%	59-139%

(a) Associated sample(s) with "B" qualifiers indicate analyte is found at concentrations less than 10 times of method blank.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-BS	Y31722.D	1	07/01/15	MT	07/01/15	OP12535	EY1462
OP12535-BSD	Y31723.D	1	07/02/15	MT	07/01/15	OP12535	EY1462

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40527-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	1670	1130	68	1460	88	25* [a]	40-149/21
95-57-8	2-Chlorophenol	833	562	67	574	69	2	39-110/23
59-50-7	4-Chloro-3-methyl phenol	833	700	84	715	86	2	64-107/15
120-83-2	2,4-Dichlorophenol	833	626	75	634	76	1	50-102/23
105-67-9	2,4-Dimethylphenol	833	625	75	629	75	1	49-110/21
51-28-5	2,4-Dinitrophenol	833	630	76	749	90	17	24-134/24
534-52-1	4,6-Dinitro-o-cresol	833	689	83	763	92	10	44-123/20
95-48-7	2-Methylphenol	833	607	73	606	73	0	42-110/25
	3&4-Methylphenol	833	644	77	644	77	0	47-102/24
88-75-5	2-Nitrophenol	833	582	70	590	71	1	41-110/24
100-02-7	4-Nitrophenol	833	755	91	751	90	1	53-134/17
87-86-5	Pentachlorophenol	833	607	73	816	98	29* [a]	39-138/18
108-95-2	Phenol	833	616	74	614	74	0	44-110/24
95-95-4	2,4,5-Trichlorophenol	833	719	86	744	89	3	64-112/15
88-06-2	2,4,6-Trichlorophenol	833	689	83	708	85	3	58-107/18
83-32-9	Acenaphthene	833	662	79	685	82	3	52-110/16
208-96-8	Acenaphthylene	833	642	77	660	79	3	53-110/17
62-53-3	Aniline	833	532	64	526	63	1	34-110/24
120-12-7	Anthracene	833	760	91	774	93	2	71-111/10
103-33-3	Azobenzene	833	704	84	725	87	3	61-106/12
92-87-5	Benzidine	1670	1310	79	1560	94	17	10-141/30
56-55-3	Benzo(a)anthracene	833	791	95	808	97	2	76-116/10
50-32-8	Benzo(a)pyrene	833	814	98	831	100	2	77-118/10
205-99-2	Benzo(b)fluoranthene	833	802	96	837	100	4	74-119/12
191-24-2	Benzo(g,h,i)perylene	833	809	97	840	101	4	60-130/18
207-08-9	Benzo(k)fluoranthene	833	811	97	844	101	4	75-122/12
101-55-3	4-Bromophenyl phenyl ether	833	705	85	719	86	2	64-108/12
85-68-7	Butyl benzyl phthalate	833	796	96	823	99	3	70-128/11
100-51-6	Benzyl Alcohol	833	626	75	628	75	0	45-102/25
91-58-7	2-Chloronaphthalene	833	600	72	617	74	3	46-110/20
106-47-8	4-Chloroaniline	833	532	64	508	61	5	32-110/24
86-74-8	Carbazole	833	783	94	834	100	6	58-148/11
218-01-9	Chrysene	833	791	95	807	97	2	75-116/10
111-91-1	bis(2-Chloroethoxy)methane	833	575	69	581	70	1	41-110/22
111-44-4	bis(2-Chloroethyl)ether	833	523	63	537	64	3	35-110/23
108-60-1	bis(2-Chloroisopropyl)ether	833	520	62	537	64	3	25-110/27

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-BS	Y31722.D	1	07/01/15	MT	07/01/15	OP12535	EY1462
OP12535-BSD	Y31723.D	1	07/02/15	MT	07/01/15	OP12535	EY1462

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40527-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	833	678	81	710	85	5	62-105/14
95-50-1	1,2-Dichlorobenzene	833	481	58	503	60	4	32-110/22
541-73-1	1,3-Dichlorobenzene	833	464	56	483	58	4	31-110/23
106-46-7	1,4-Dichlorobenzene	833	478	57	493	59	3	31-110/22
121-14-2	2,4-Dinitrotoluene	833	789	95	813	98	3	74-117/11
606-20-2	2,6-Dinitrotoluene	833	723	87	751	90	4	67-110/12
91-94-1	3,3'-Dichlorobenzidine	1670	1710	103	1620	97	5	68-163/12
53-70-3	Dibenzo(a,h)anthracene	833	811	97	834	100	3	63-129/19
132-64-9	Dibenzofuran	833	663	80	682	82	3	57-101/15
122-39-4	Diphenylamine	833	746	90	774	93	4	69-109/10
84-74-2	Di-n-butyl phthalate	833	824	99	843	101	2	79-123/10
117-84-0	Di-n-octyl phthalate	833	801	96	847	102	6	57-144/17
84-66-2	Diethyl phthalate	833	838	101	847	102	1	71-116/15
131-11-3	Dimethyl phthalate	833	710	85	742	89	4	68-108/12
117-81-7	bis(2-Ethylhexyl)phthalate	833	780	94	806	97	3	67-132/10
206-44-0	Fluoranthene	833	823	99	832	100	1	75-121/12
86-73-7	Fluorene	833	690	83	713	86	3	62-105/13
118-74-1	Hexachlorobenzene	833	714	86	726	87	2	65-109/12
87-68-3	Hexachlorobutadiene	833	506	61	530	64	5	29-110/24
77-47-4	Hexachlorocyclopentadiene	833	465	56	481	58	3	21-110/30
67-72-1	Hexachloroethane	833	465	56	492	59	6	30-110/24
193-39-5	Indeno(1,2,3-cd)pyrene	833	786	94	832	100	6	63-130/19
78-59-1	Isophorone	833	598	72	600	72	0	43-110/23
90-12-0	1-Methylnaphthalene	833	577	69	587	70	2	42-110/21
91-57-6	2-Methylnaphthalene	833	570	68	581	70	2	43-110/21
88-74-4	2-Nitroaniline	833	729	87	752	90	3	62-112/14
99-09-2	3-Nitroaniline	833	707	85	699	84	1	60-106/12
100-01-6	4-Nitroaniline	833	824	99	869	104	5	62-132/17
91-20-3	Naphthalene	833	537	64	544	65	1	37-110/21
98-95-3	Nitrobenzene	833	545	65	561	67	3	37-110/24
62-75-9	N-Nitrosodimethylamine	833	515	62	519	62	1	36-110/23
621-64-7	N-Nitroso-di-n-propylamine	833	575	69	585	70	2	39-110/24
85-01-8	Phenanthrene	833	737	88	755	91	2	71-110/10
129-00-0	Pyrene	833	789	95	812	97	3	68-123/14
110-86-1	Pyridine	833	369	44	368	44	0	20-110/25
120-82-1	1,2,4-Trichlorobenzene	833	517	62	530	64	2	37-110/22

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-BS	Y31722.D	1	07/01/15	MT	07/01/15	OP12535	EY1462
OP12535-BSD	Y31723.D	1	07/02/15	MT	07/01/15	OP12535	EY1462

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40527-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	71%	73%	19-110%
4165-62-2	Phenol-d5	78%	79%	25-113%
118-79-6	2,4,6-Tribromophenol	100%	105%	25-140%
4165-60-0	Nitrobenzene-d5	70%	72%	22-110%
321-60-8	2-Fluorobiphenyl	75%	77%	28-116%
1718-51-0	Terphenyl-d14	102%	105%	59-139%

(a) Outside laboratory control limits. BS/BSD recoveries method within control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-MS	Y31746.D	1	07/02/15	MT	07/01/15	OP12535	EY1463
OP12535-MSD	Y31738.D	1	07/02/15	MT	07/01/15	OP12535	EY1463
C40527-1	Y31739.D	1	07/02/15	MT	07/01/15	OP12535	EY1463

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40527-1

CAS No.	Compound	C40527-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	ND		1660	1060	64	1660	1040	63	2	40-149/21
95-57-8	2-Chlorophenol	ND		832	554	67	831	513	62	8	39-110/23
59-50-7	4-Chloro-3-methyl phenol	ND		832	628	75	831	607	73	3	64-107/15
120-83-2	2,4-Dichlorophenol	ND		832	564	68	831	531	64	6	50-102/23
105-67-9	2,4-Dimethylphenol	ND		832	568	68	831	548	66	4	49-110/21
51-28-5	2,4-Dinitrophenol	ND		832	338	41	831	294	35	14	24-134/24
534-52-1	4,6-Dinitro-o-cresol	ND		832	371	45	831	355	43* [a]	4	44-123/20
95-48-7	2-Methylphenol	ND		832	591	71	831	556	67	6	42-110/25
	3&4-Methylphenol	ND		832	613	74	831	579	70	6	47-102/24
88-75-5	2-Nitrophenol	ND		832	525	63	831	507	61	3	41-110/24
100-02-7	4-Nitrophenol	ND		832	693	83	831	685	82	1	53-134/17
87-86-5	Pentachlorophenol	ND		832	652	78	831	595	72	9	39-138/18
108-95-2	Phenol	ND		832	603	72	831	579	70	4	44-110/24
95-95-4	2,4,5-Trichlorophenol	ND		832	631	76	831	606	73	4	64-112/15
88-06-2	2,4,6-Trichlorophenol	ND		832	606	73	831	568	68	6	58-107/18
83-32-9	Acenaphthene	ND		832	562	68	831	530	64	6	52-110/16
208-96-8	Acenaphthylene	ND		832	565	68	831	524	63	8	53-110/17
62-53-3	Aniline	ND		832	511	61	831	478	58	7	34-110/24
120-12-7	Anthracene	ND		832	686	82	831	672	81	2	71-111/10
103-33-3	Azobenzene	ND		832	649	78	831	635	76	2	61-106/12
92-87-5	Benzidine	ND		1660	548	33	1660	366	22	40* [a]	10-141/30
56-55-3	Benzo(a)anthracene	ND		832	718	86	831	715	86	0	76-116/10
50-32-8	Benzo(a)pyrene	ND		832	750	90	831	727	87	3	77-118/10
205-99-2	Benzo(b)fluoranthene	ND		832	713	86	831	709	85	1	74-119/12
191-24-2	Benzo(g,h,i)perylene	ND		832	852	102	831	809	97	5	60-130/18
207-08-9	Benzo(k)fluoranthene	ND		832	709	85	831	700	84	1	75-122/12
101-55-3	4-Bromophenyl phenyl ether	ND		832	637	77	831	627	75	2	64-108/12
85-68-7	Butyl benzyl phthalate	ND		832	747	90	831	734	88	2	70-128/11
100-51-6	Benzyl Alcohol	ND		832	611	73	831	579	70	5	45-102/25
91-58-7	2-Chloronaphthalene	ND		832	522	63	831	491	59	6	46-110/20
106-47-8	4-Chloroaniline	ND		832	474	57	831	428	51	10	32-110/24
86-74-8	Carbazole	ND		832	763	92	831	739	89	3	58-148/11
218-01-9	Chrysene	ND		832	715	86	831	723	87	1	75-116/10
111-91-1	bis(2-Chloroethoxy)methane	ND		832	546	66	831	531	64	3	41-110/22
111-44-4	bis(2-Chloroethyl)ether	ND		832	514	62	831	473	57	8	35-110/23
108-60-1	bis(2-Chloroisopropyl)ether	ND		832	551	66	831	505	61	9	25-110/27

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-MS	Y31746.D	1	07/02/15	MT	07/01/15	OP12535	EY1463
OP12535-MSD	Y31738.D	1	07/02/15	MT	07/01/15	OP12535	EY1463
C40527-1	Y31739.D	1	07/02/15	MT	07/01/15	OP12535	EY1463

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40527-1

CAS No.	Compound	C40527-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	ND		832	591	71	831	556	67	6	62-105/14
95-50-1	1,2-Dichlorobenzene	ND		832	431	52	831	399	48	8	32-110/22
541-73-1	1,3-Dichlorobenzene	ND		832	404	49	831	370	45	9	31-110/23
106-46-7	1,4-Dichlorobenzene	ND		832	417	50	831	382	46	9	31-110/22
121-14-2	2,4-Dinitrotoluene	ND		832	668	80	831	649	78	3	74-117/11
606-20-2	2,6-Dinitrotoluene	ND		832	623	75	831	596	72	4	67-110/12
91-94-1	3,3'-Dichlorobenzidine	ND		1660	1780	107	1660	1690	102	5	68-163/12
53-70-3	Dibenzo(a,h)anthracene	ND		832	913	110	831	837	101	9	63-129/19
132-64-9	Dibenzofuran	ND		832	577	69	831	551	66	5	57-101/15
122-39-4	Diphenylamine	ND		832	663	80	831	643	77	3	69-109/10
84-74-2	Di-n-butyl phthalate	ND		832	766	92	831	739	89	4	79-123/10
117-84-0	Di-n-octyl phthalate	ND		832	695	84	831	636	77	9	57-144/17
84-66-2	Diethyl phthalate	105	JB	832	750	78	831	723	74	4	71-116/15
131-11-3	Dimethyl phthalate	ND		832	636	76	831	612	74	4	68-108/12
117-81-7	bis(2-Ethylhexyl)phthalate	ND		832	761	91	831	737	89	3	67-132/10
206-44-0	Fluoranthene	ND		832	704	85	831	670	81	5	75-121/12
86-73-7	Fluorene	ND		832	614	74	831	582	70	5	62-105/13
118-74-1	Hexachlorobenzene	ND		832	642	77	831	619	74	4	65-109/12
87-68-3	Hexachlorobutadiene	ND		832	432	52	831	406	49	6	29-110/24
77-47-4	Hexachlorocyclopentadiene	ND		832	331	40	831	307	37	8	21-110/30
67-72-1	Hexachloroethane	ND		832	399	48	831	374	45	6	30-110/24
193-39-5	Indeno(1,2,3-cd)pyrene	ND		832	907	109	831	854	103	6	63-130/19
78-59-1	Isophorone	ND		832	562	68	831	540	65	4	43-110/23
90-12-0	1-Methylnaphthalene	ND		832	506	61	831	478	58	6	42-110/21
91-57-6	2-Methylnaphthalene	ND		832	505	61	831	474	57	6	43-110/21
88-74-4	2-Nitroaniline	ND		832	702	84	831	668	80	5	62-112/14
99-09-2	3-Nitroaniline	ND		832	609	73	831	577	69	5	60-106/12
100-01-6	4-Nitroaniline	ND		832	763	92	831	736	89	4	62-132/17
91-20-3	Naphthalene	ND		832	492	59	831	462	56	6	37-110/21
98-95-3	Nitrobenzene	ND		832	533	64	831	494	59	8	37-110/24
62-75-9	N-Nitrosodimethylamine	ND		832	498	60	831	482	58	3	36-110/23
621-64-7	N-Nitroso-di-n-propylamine	ND		832	576	69	831	533	64	8	39-110/24
85-01-8	Phenanthrene	ND		832	694	83	831	666	80	4	71-110/10
129-00-0	Pyrene	ND		832	692	83	831	697	84	1	68-123/14
110-86-1	Pyridine	ND		832	341	41	831	321	39	6	20-110/25
120-82-1	1,2,4-Trichlorobenzene	ND		832	448	54	831	424	51	6	37-110/22

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12535-MS	Y31746.D	1	07/02/15	MT	07/01/15	OP12535	EY1463
OP12535-MSD	Y31738.D	1	07/02/15	MT	07/01/15	OP12535	EY1463
C40527-1	Y31739.D	1	07/02/15	MT	07/01/15	OP12535	EY1463

The QC reported here applies to the following samples: **Method:** SW846 8270C

C40527-1

CAS No.	Surrogate Recoveries	MS	MSD	C40527-1	Limits
367-12-4	2-Fluorophenol	71%	67%	69%	19-110%
4165-62-2	Phenol-d5	77%	74%	77%	25-113%
118-79-6	2,4,6-Tribromophenol	92%	89%	89%	25-140%
4165-60-0	Nitrobenzene-d5	68%	63%	64%	22-110%
321-60-8	2-Fluorobiphenyl	65%	61%	62%	28-116%
1718-51-0	Terphenyl-d14	88%	88%	98%	59-139%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK2354-MB	JK53918.D	1	06/30/15	AN	n/a	n/a	GJK2354

The QC reported here applies to the following samples: **Method:** SW846 8015B

C40527-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/kg	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	97%	60-115%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GJK2354-BS	JK53919.D	1	06/30/15	AN	n/a	n/a	GJK2354
GJK2354-BSD	JK53920.D	1	06/30/15	AN	n/a	n/a	GJK2354

The QC reported here applies to the following samples: **Method:** SW846 8015B

C40527-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.5	0.489	98	0.504	101	3	76-127/32

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
98-08-8	aaa-Trifluorotoluene	99%	98%	60-115%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C40497-119MS	JK53944.D	1	07/01/15	AN	n/a	n/a	GJK2354
C40497-119MSD	JK53945.D	1	07/01/15	AN	n/a	n/a	GJK2354
C40497-119	JK53943.D	1	07/01/15	AN	n/a	n/a	GJK2354

The QC reported here applies to the following samples: **Method:** SW846 8015B

C40527-1

CAS No.	Compound	C40497-119 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1.30		0.559	4.34	544* [a]	0.563	5.14	682* [a]	17	76-127/32

CAS No.	Surrogate Recoveries	MS	MSD	C40497-119	Limits
98-08-8	aaa-Trifluorotoluene	65%	73%	74%	60-115%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12524-MB	PP042637.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357

The QC reported here applies to the following samples: **Method:** SW846 8082

C40527-1

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	6.7	ug/kg	
11104-28-2	Aroclor 1221	ND	33	17	ug/kg	
11141-16-5	Aroclor 1232	ND	33	17	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	17	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	6.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	79%	44-135%
877-09-8	Tetrachloro-m-xylene	78%	44-135%
2051-24-3	Decachlorobiphenyl	68%	31-163%
2051-24-3	Decachlorobiphenyl	56%	31-163%

Method Blank Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12523-MB	GG59299.D	1	06/30/15	NN	06/29/15	OP12523	GGG1752

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C40527-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	3.3	0.83	mg/kg	
	TPH (> C28-C40)	ND	6.7	1.7	mg/kg	

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	93%	37-122%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12524-BS	PP042638.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357
OP12524-BSD	PP042639.D	1	06/30/15	RV	06/29/15	OP12524	GPP1357

The QC reported here applies to the following samples: **Method:** SW846 8082

C40527-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	133	97.6	73	105	79	7	46-116/16
11096-82-5	Aroclor 1260	133	104	78	108	81	4	44-128/15

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	81%	82%	44-135%
877-09-8	Tetrachloro-m-xylene	88%	101%	44-135%
2051-24-3	Decachlorobiphenyl	72%	75%	31-163%
2051-24-3	Decachlorobiphenyl	56%	61%	31-163%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12523-BS	GG59297.D	1	06/30/15	NN	06/29/15	OP12523	GGG1752
OP12523-BSD	GG59298.D	1	06/30/15	NN	06/29/15	OP12523	GGG1752

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C40527-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	33.3	27.1	81	27.0	81	0	39-102/29
	TPH (> C28-C40)	33.3	33.4	100	33.7	101	1	42-111/26

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	87%	89%	37-122%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C40527
Account: UTC United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12523-MS	GG59344.D	1	07/01/15	NN	06/29/15	OP12523	GGG1753
OP12523-MSD	GG59345.D	1	07/01/15	NN	06/29/15	OP12523	GGG1753
C40534-1	GG59343.D	1	07/01/15	NN	06/29/15	OP12523	GGG1753

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C40527-1

CAS No.	Compound	C40534-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	3.17	J	32.8	26.5	71	32.5	26.4	72	0	39-102/29
	TPH (> C28-C40)	7.53		32.8	33.9	80	32.5	34.1	82	1	42-111/26

CAS No.	Surrogate Recoveries	MS	MSD	C40534-1	Limits
630-01-3	Hexacosane	81%	81%	85%	37-122%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

QC Batch ID: MP9736
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 06/30/15

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	1.5		
Antimony	2.0	.12	.18	0.13	<2.0
Arsenic	2.0	.16	.17	-0.010	<2.0
Barium	20	.02	.09	0.52	<20
Beryllium	1.0	.02	.01	0.0	<1.0
Boron	10	.18	.15		
Cadmium	1.0	.02	.031	0.010	<1.0
Calcium	500	2.8	4.5		
Chromium	1.0	.04	.054	0.060	<1.0
Cobalt	1.0	.03	.025	0.0	<1.0
Copper	2.5	.12	.15	0.30	<2.5
Iron	20	.53	.76		
Lead	2.0	.1	.14	0.060	<2.0
Magnesium	500	1.6	2.1		
Manganese	1.5	.02	.026		
Molybdenum	2.0	.05	.04	0.050	<2.0
Nickel	1.0	.04	.047	-0.020	<1.0
Potassium	1000	3.5	4.6		
Selenium	2.0	.17	.33	0.080	<2.0
Silicon	20	.24	.43		
Silver	1.0	.05	.067	0.0	<1.0
Sodium	1000	1.1	1.2		
Strontium	1.0	.01	.018		
Thallium	2.0	.17	.12	-0.13	<2.0
Tin	50	.08	.28		
Titanium	1.0	.08	.13		
Vanadium	1.0	.06	.074	-0.020	<1.0
Zinc	2.0	.05	.22	2.2	* (a)

Associated samples MP9736: C40527-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) All sample results >10x method blank concentration.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

QC Batch ID: MP9736
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 06/30/15

Metal	C40517-1 Original	MS	Spikelot MPIR5	% Rec	QC Limits
Aluminum					
Antimony	0.36	16.5	45.5	35.5N(a)	75-125
Arsenic	7.1	47.8	45.5	89.5	75-125
Barium	234	254	45.5	44.0 (b)	75-125
Beryllium	0.48	42.8	45.5	93.1	75-125
Boron					
Cadmium	0.16	42.4	45.5	92.9	75-125
Calcium					
Chromium	78.3	119	45.5	89.5	75-125
Cobalt	13.7	52.4	45.5	85.1	75-125
Copper	31.7	75.9	45.5	97.2	75-125
Iron					
Lead	9.5	51.4	45.5	92.2	75-125
Magnesium					
Manganese					
Molybdenum	0.39	40.5	45.5	88.2	75-125
Nickel	100	140	45.5	88.0	75-125
Potassium					
Selenium	0.67	40.0	45.5	86.5	75-125
Silicon					
Silver	0.087	41.5	45.5	91.1	75-125
Sodium					
Strontium					
Thallium	0.0	39.5	45.5	86.9	75-125
Tin					
Titanium					
Vanadium	44.9	88.5	45.5	95.9	75-125
Zinc	61.0	99.2	45.5	84.0	75-125

Associated samples MP9736: C40527-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

QC Batch ID: MP9736
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 06/30/15

Metal	C40517-1 Original	MSD	Spikelot MPIR5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.36	17.2	45	37.4N(a)	4.2	20
Arsenic	7.1	48.3	45	91.5	1.0	20
Barium	234	242	45	17.8 (b)	4.8	20
Beryllium	0.48	42.9	45	94.2	0.2	20
Boron						
Cadmium	0.16	42.6	45	94.2	0.5	20
Calcium						
Chromium	78.3	123	45	99.2	3.3	20
Cobalt	13.7	52.9	45	87.0	0.9	20
Copper	31.7	75.8	45	97.9	0.1	20
Iron						
Lead	9.5	51.5	45	93.2	0.2	20
Magnesium						
Manganese						
Molybdenum	0.39	40.6	45	89.3	0.2	20
Nickel	100	146	45	102.1	4.2	20
Potassium						
Selenium	0.67	40.1	45	87.5	0.2	20
Silicon						
Silver	0.087	41.8	45	92.6	0.7	20
Sodium						
Strontium						
Thallium	0.0	38.6	45	85.7	2.3	20
Tin						
Titanium						
Vanadium	44.9	89.4	45	98.8	1.0	20
Zinc	61.0	101	45	88.8	1.8	20

Associated samples MP9736: C40527-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

QC Batch ID: MP9736
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 06/30/15

Metal	BSP Result	Spikelot MPIR5	% Rec	QC Limits
Aluminum				
Antimony	47.2	50	94.4	80-120
Arsenic	47.4	50	94.8	80-120
Barium	49.3	50	98.6	80-120
Beryllium	50.0	50	100.0	80-120
Boron				
Cadmium	48.5	50	97.0	80-120
Calcium				
Chromium	51.0	50	102.0	80-120
Cobalt	50.9	50	101.8	80-120
Copper	49.2	50	98.4	80-120
Iron				
Lead	47.3	50	94.6	80-120
Magnesium				
Manganese				
Molybdenum	50.7	50	101.4	80-120
Nickel	47.0	50	94.0	80-120
Potassium				
Selenium	45.8	50	91.6	80-120
Silicon				
Silver	46.9	50	93.8	80-120
Sodium				
Strontium				
Thallium	46.0	50	92.0	80-120
Tin				
Titanium				
Vanadium	50.0	50	100.0	80-120
Zinc	51.8	50	103.6	80-120

Associated samples MP9736: C40527-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

QC Batch ID: MP9736
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/30/15

Metal	C40517-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	4.10	0.00	100.0(a)	0-10
Arsenic	81.3	90.3	11.1*(b)	0-10
Barium	2690	3300	22.9*(b)	0-10
Beryllium	5.50	15.3	178.2(a)	0-10
Boron				
Cadmium	1.80	9.80	444.4(a)	0-10
Calcium				
Chromium	901	1090	20.6*(b)	0-10
Cobalt	157	191	21.8*(b)	0-10
Copper	365	432	18.4*(b)	0-10
Iron				
Lead	109	121	11.7*(b)	0-10
Magnesium				
Manganese				
Molybdenum	4.50	3.50	22.2 (a)	0-10
Nickel	1150	1200	4.2	0-10
Potassium				
Selenium	7.70	29.7	285.7(a)	0-10
Silicon				
Silver	1.00	0.00	100.0(a)	0-10
Sodium				
Strontium				
Thallium	0.00	10.9	NC	0-10
Tin				
Titanium				
Vanadium	516	615	19.2*(b)	0-10
Zinc	701	807	15.1*(b)	0-10

Associated samples MP9736: C40527-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

QC Batch ID: MP9757 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 07/02/15

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.00035	.0043	-0.0010	<0.042

Associated samples MP9757: C40527-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

QC Batch ID: MP9757
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 07/02/15

Metal	C40562-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.060	0.24	0.161	111.6	75-125

Associated samples MP9757: C40527-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

QC Batch ID: MP9757 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 07/02/15

Metal	C40562-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.060	0.23	0.152	112.2	4.3	20

Associated samples MP9757: C40527-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

QC Batch ID: MP9757
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 07/02/15

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.17	0.167	102.0	80-120

Associated samples MP9757: C40527-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Northern California ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP8024/GN16755	1.0	0.0	mg/kg	40	36.4	91.0	80-120%
Chromium, Hexavalent	GP8024/GN16755			mg/kg	1133	1080	95.1	80-120%

Associated Samples:
Batch GP8024: C40527-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP8024: C40527-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: C40527
Account: UTC - United Technology Corporation
Project: HALDCAM:SL204281528 UTC Canoga Park

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	40	40.3	100.6	75-125%
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	926	873	94.2	75-125%
Chromium, Hexavalent	GP8024/GN16755	C40509-16	mg/kg	0.0	150	143	95.4	75-125%

Associated Samples:
Batch GP8024: C40527-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

07/27/15

Technical Report for

United Technology Corporation

HALDCAM:SL204281528 UTC Canoga Park

DRUM

Accutest Job Number: C40527X

Sampling Date: 06/26/15

Report to:

3187 Red Hill Ave,
#155
Costa Mesa, CA 92626
TTatnall@haleyaldrich.com; KHoggan@haleyaldrich.com;
MSatanek@haleyaldrich.com
ATTN: Tom Tatnall

Total number of pages in report:

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Accutest Laboratories

Sample Summary

United Technology Corporation

Job No: C40527X

HALDCAM:SL204281528 UTC Canoga Park
Project No: DRUM

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
C40527-1X	06/26/15	15:00	DG	06/27/15	SO	Soil	DRUM-062615

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CHAIN OF CUSTODY

ACCUTEST® LABORATORIES

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED EX Tracking # 8079 5768 4455
Bottle Order Control #
Accutest Quote #
Accutest NC Job #: C C40527

Client / Reporting Information

Company Name: Haley & Aldrich
Address: 3187 Red Hill #155
City: COSTA MESA State: CA Zip:
Project Contact: Tom Tatnall
Phone #: (714) 371-1800
Samplers's Name: D. GARCIA

Project Information

Project Name: UC Canoga - Drum
Street: 6633 Canoga Ave
City: Canoga Park State: CA
Project #: 32594-455
EMAIL: TTATNALL@haleyaldrich.com
Client Purchase Order #

Requested Analysis

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: Methanol	Water	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	VOCs	SVOCs	TPH	CAM-17 METALS	Cr VI	PCBs	FISH Bioassay					LAB USE ONLY
1	DRUM-062615	6/26/15	1500	D. GARCIA	SO	4	X	X			X				X	X	X	X	X	X	X					
↓	↓ ↓	↓	↓	↓	↓	1					X				X	X	X	X	X	X	X					
↓	↓ ↓	↓	↓	↓	↓	1					X				X	X	X	X	X	X	X					

Matrix Codes
WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Turnaround Time (Business days)

		Approved By / Date:
☐	10 Day	
☒	5 Day	
☐	3 Day (125% markup)	
☐	2 Day (150% markup)	
☐	1 Day (200% markup)	
☐	Same Day (300% markup)	

Emergency T/A data available VIA Lablink 1500

Data Deliverable Information

- ☐ Commercial "A" - Results only
- ☐ Commercial "B" - Results with QC summaries
- ☐ Commerical "B+" - Results, QC, and chromatograms
- ☐ FULT1 - Level 4 data package
- ☐ EDF for Geotracker ☒ EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature] 6/26/15		1 [signature] 6-26-15 1510	2 [signature]	6-26-15 1545	2
Relinquished by: 3 FEDEX	Date Time: 6/27/15 0945	Received By: 3 [signature]	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # 1UTACI	Appropriate Bottle / Pres. Y / N; Headspace Y / N; On Ice Y / N; Labels match Coc? Y / N; Separate Receiving Check List used: Y / N	Cooler Temp. 3.2-0.1 23.1 °C

IRVINE

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C40527 **Client:** HALEY & ALDRICH **Project:** UTC CANOGA-DRUM

Date / Time Received: 6/27/2015 9:45:00 AM **Delivery Method:** FedEx **Airbill #'s:** 807957684455

Cooler Temps (Initial/Adjusted): #1: (3.2/3.1);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Therm ID:	IR2;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Subcontract Data

INVOICE NO.: AAL0715.0734

July 27, 2015

TO: Accounting Department
Alpha Analytical Laboratories
208 Mason St.
Ukiah, CA 95482

FROM: Aquatic Bioassay
(Former ABC Laboratories)
29 N. Olive St.
Ventura, CA 93001
(805) 643-5621

Invoice for Bioassay Testing

SAMPLE I.D.: 15F2942-01
DATE RECEIVED: 07/01/15
ABC LAB. NO.: AAL0715.010
P. O. Number: N/A

DOHS (Title 22) Acute Bioassay (1 @ $225.00)	$ 225 .00
TOTAL:	$ 225 .00

Make checks payable to : Aquatic Bioassay And Consulting Labs., Inc.
29 N. Olive St.
Ventura, CA 93001

Terms are net 30 days.

aquatic bioassay & consulting laboratories, inc

July 27, 2015

Mr. Robbie C. Phillips
Alpha Analytical Laboratories
208 Mason St.
Ukiah, CA 95482

Dear Mr. Phillips:

We are pleased to present the enclosed acute bioassay report. The test was conducted under the guidelines prescribed in "Static Acute Bioassay Procedures for Hazardous Waste Samples" California Department of Fish and Game, 1988. The results were as follows:

CLIENT:	Alpha Analytical Laboratories
SAMPLE I.D.:	15F2942-01
DATE RECEIVED:	07/01/15
ABC LAB. NO.:	AAL0715.010

DOHS (TITLE 22) HAZARDOUS WASTE BIOASSAY USING FATHEAD MINNOWS

96 HOUR LC50 = >750 mg/l

STATUS = Pass

Respectfully yours,

Scott Johnson
Laboratory Director

AQUATIC BIOASSAY AND CONSULTING LABORATORIES, INC.
29 North Olive Street
Ventura, CA 93001
(805) 643-5621

DOHS Bioassay for Hazardous Waste (Title 22)

SAMPLE INFORMATION

CLIENT:	Alpha Analytical Laboratories	Date:	07/01/15
SAMPLE I.D.:	15F2942-01	LAB #:	AAL0715.010

WATER QUALITY

DILUTION WATER: Reconst. Fresh		AERATION: Single Bubble Air	
CONTROL HARDNESS		CONTROL ALKALINITY	
Beg: 43 mg/l	End: 44 mg/l	Beg: 32 mg/l	End: 34 mg/l
SAMPLE HARDNESS		SAMPLE ALKALINITY	
Beg: 46 mg/l	End: 56 mg/l	Beg: 32 mg/l	End: 40 mg/l

ORGANISM INFORMATION

SPECIES:	Pimephales promelas	DATE REC'D:	07/02/15
COMMON NAME:	Fathead Minnow	AVERAGE LNTH:	35 mm
SOURCE:	Thomas Fish Co.	AVERAGE WT:	0.62 gm
CARRIER:	California Overnight	NO. FISH / TANK:	10

TEST DATA

	INITIAL			24 HOURS				48 HOURS				72 HOURS				96 HOURS			
DATE:	07/12/15			07/13/15				07/14/15				07/15/15				07/16/15			
TIME:	1308			1400				1432				1206				1519			
CONC.	Dis. Oxy.	Temp. dg.C	pH	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead	Dis. Oxy.	Temp. dg.C	pH	#Fish Dead
0 (Con.)	8.6	20.5	7.8	7.4	19.2	7.3	0	7.2	19.3	7.5	0	7.5	19.5	7.5	0	6.9	19.7	7.6	0
400 mg/l	8.5	20.5	7.5	7.4	18.8	6.7	0	6.9	19.0	6.9	0	8.1	19.0	6.9	0	6.7	19.2	7.0	0
400 mg/l	8.5	2.5	7.5	7.4	18.8	6.8	0	7.1	18.9	6.9	0	8.3	18.9	6.9	0	6.6	19.1	7.0	0
750 mg/l	8.5	20.4	7.5	7.5	18.8	6.8	0	7.2	18.9	7.0	0	8.3	18.9	7.0	0	6.9	19.1	7.1	0
750 mg/l	8.5	20.4	7.5	7.1	18.9	6.8	0	7.0	19.0	7.0	0	8.4	18.9	7.0	0	7.0	19.3	7.2	0

FINAL DATA

TOTAL MORTALITIES	
0 (Con.)	0
400 mg/l	0
400 mg/l	0
750 mg/l	0
750 mg/l	0

FINAL RESULTS

96 HOUR LC50 =	>750 mg/l
STATUS =	Pass
CALCULATION METHOD =	Binomial Test

for _____ Date 7/27/15

Joe Freas, Senior Toxicologist

SUBCONTRACT ORDER

Alpha Analytical Laboratories, Inc.

15F2942

SENDING LABORATORY:

Alpha Analytical Laboratories, Inc.
208 Mason St.
Ukiah, CA 95482
Phone: (707)468-0401
Fax: (707)468-5267
Project Manager: Robbie C. Phillips

RECEIVING LABORATORY:

Aquatic Bioassay & Consulting
29 North Olive
Ventura, CA 93001
Phone :(805) 643-5621
Fax: -
Terms: Net 30

Analysis	Due	Expires	Comments
15F2942-01 C40527-1 DRUM-062615 [Soil] Sampled 06/26/15 15:00 Pacific			
Bioassay LC50 Screen	07/15/15 12:00	12/23/15 15:00	
Containers Supplied:			
8 oz. jar (A)			

☐ *Report to State*

System Name: _____ **Employed by:** _____

User ID: _____ **Sampler:** _____

System Number: _____

+QC

Released By	Date	Received By	Date
[signature]	6-30-15	[signature]	7/1/15 1000
Released By	Date	Received By	Date

ACCUTEST LABORATORIES

15F2942

Accutest ID and PO#: C40527

2105 Lundy Avenue, San Jose, CA 95131 Phone :(408)588-0200 Fax: (408)588-0201

Subcontract Chain of Custody

Subcontract Lab: ALPHA
Date Sent: 06/29/2015
Date Due: 5 DAY TAT

Temp 4.6

Project Name: UTC6667 (C40527)
Project Location:

Accutest Lab Number	Customer Sample Name/Field Point ID	Matrix	Method	Collect Date	Collect Time
C40527-1	DRUM-062615	SO	**Fish Bioassay (LC-50)**	06/26/15	15:00

Comments: 1x 8oz jar

Relinquished By:	Received By:	Date:	Time:
		6/29/15	1350
Relinquished By:	Received By:	Date:	Time:
		6-29-15	1940
Relinquished By:	Received By:	Date:	Time:
	LAB CARRY	6-29-15	2285

Send the Report to: nutank@accutest.com

APPENDIX C

Human Health Risk Assessment

HALEY ALDRICH

www.haleyaldrich.com

REPORT ON

HUMAN HEALTH RISK ASSESSMENT
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

by Haley & Aldrich, Inc.
San Diego, California

for California Regional Water Quality Control Board
Los Angeles, California

File No. 32594-451
August 2015

HALEY & ALDRICH, INC.
5333 Mission Center Road
Suite 300
San Diego, CA 92108
619.280.9210

20 August 2015
File No. 32594-456

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, California 90013

Attention: Ms. Ana Townsend

Subject: Human Health Risk Assessment
United Technologies Corporation
Canoga Avenue Facility, 6633 Canoga Avenue
Canoga Park, California
LARWQCB Case #0237A, Site ID No. 2040214

Ms. Ana Townsend:

Haley & Aldrich, Inc. is submitting this revised Human Health Risk Assessment (HHRA) on behalf of United Technologies Corporation to assess impacted soils at their Canoga Avenue Facility located at 6633 Canoga Avenue, Canoga Park, California. This HHRA establishes the soil remediation goals to protect human health and the environment. The draft HHRA was submitted to the Los Angeles Regional Water Quality Control Board (LARWQCB) on 2 October 2014, as appendix to the draft Soil Management Plan. It was revised in accordance with our Responses to LARWQCB Comments dated 25 March 2015 and to address the Comments in the LARWQCB letter dated 2 June 2015. The revised SRGs are considered to be protective of both human health and groundwater. Your prompt review and written approval of this HHRA is appreciated.

Should you have any questions or require additional information regarding this HHRA, please contact the undersigned at your convenience.

Sincerely yours,
HALEY & ALDRICH, INC.

Mathew T. Raithel
Senior Scientist

Anita Broughton, EIT, CIH
Chief Scientist/Senior Vice President

Enclosures

c: United Technologies Corporation; Attn: Mr. David Curnock, Remediation Manager

\\cos\utc\32594\Canoga\WorkPlans\Soil Management Plan\FINAL DRAFT SMP\Appendix C - Risk Assessment\2015_0820_HAI_Canoga HHRA_F.docx

This document contains no data that is subject to ITAR or EAR.

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This document contains no data that is subject to ITAR or EAR.

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1. Human Health Risk Assessment

This report documents a human health risk assessment (HHRA) conducted for United Technologies Corporation former Pratt & Whitney – Rocketdyne, Canoga Avenue Facility (Site) following U.S. Environmental Protection Agency (USEPA), California Environmental Protection Agency (Cal/EPA) Department of Toxic Substances Control (DTSC) and Office of Environmental Health Hazard Assessment (OEHHA) risk assessment guidance, and using reasonable worst-case exposure assumptions. The Site is located at 6633 Canoga Avenue, Canoga Park, California.

This HHRA is an update of the Human Health Screening Evaluation presented in the "Report on Site-wide Soil and Soil Gas Investigation Report" prepared by Haley & Aldrich dated February 2007 (Haley & Aldrich, 2007a). The February 2007 HHSE was approved by the Los Angeles Regional Water Quality Control Board in a letter dated 17 July 2007. Haley & Aldrich submitted an updated HHRA in the Draft Soil Management Plan for Assessment, Remediation, and Confirmation Sampling of Vadose Zone Soils (SMP) prepared for the Site dated 2 October 2014. The Los Angeles Regional Water Quality Board (LARWQCB) and OEHHA commented on the updated HHRA in a letter dated 22 January 2015. Haley & Aldrich responded to these comments on 18 and 25 March 2015. The LARWQCB and OEHHA responded to our responses in a letter dated 2 June 2015. This updated HHRA incorporates responses to LARWQCB and OEHHA comments. The main updates in this HHRA include:

- Use of recently collected soil parameter data (collected in June 2015) in the vapor intrusion modeling;
- Adjustments to the cancer risk based on enhanced sensitivity to infants and children; and
- Default exposure parameters were updated in accordance with the "Human Health Risk Assessment (HHRA) Note, Office of Human and Ecological Risk (HERO) HHRA Note Number: 1 titled "Recommended DTSC Default Exposure Factors for Use in Risk Assessment in California Hazardous Waste Site and Permitted Facilities," prepared by Cal/EPA DTSC and dated 30 September 2014.

The HHRA described herein includes an evaluation of addition soil and soil gas data collected since the preparation of the HHSE and incorporates updated regulatory guidance. The primary guidance documents used are as follows:

- Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A), Interim Final", prepared by USEPA and dated December 1989 (USEPA, 1989).
- "Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment)," prepared by USEPA and dated July 2004.
- "Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment)," prepared by USEPA and dated January 2009 (USEPA, 2009).
- "Soil Screening Guidance: Technical Background Document," prepared by the USEPA Office of Emergency and Remedial Response, and dated May 1996 (USEPA, 1996).

- "Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites," prepared by the USEPA and dated December 2002 (USEPA, 2002a).
- Human-Exposure-Based Screening Numbers Developed to Aid Estimation of Cleanup Costs for Contaminated Soil," prepared by the California OEHHA and dated November 2004 (revised January 2005; OEHHA, 2005).
- "Preliminary Endangerment Assessment (PEA) Guidance Manual," prepared by the Cal/EPA DTSC and dated January 1994 (revised October 2013; DTSC, 2013).
- Human Health Risk Assessment (HHRA) Note, Office of Human and Ecological Risk (HERO) HHRA Note Number: 1 titled "Recommended DTSC Default Exposure Factors for Use in Risk Assessment in California Hazardous Waste Site and Permitted Facilities," prepared by Cal/EPA DTSC and dated 30 September 2014 (DTSC, 2014).
- "Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air," prepared by DTSC and dated October 2011 (DTSC, 2011b).

The objective of the HHRA is to assess potential human health risks to existing and future Site receptors from possible exposures to Site-related chemical impacts. It is understood that the Site may be redeveloped for mixed-use residential and commercial uses, and that it is requested that the HHRA include an evaluation of potential human health risk to identify what remediation, if any, may be warranted for unrestricted property redevelopment. Since the Building 038 Area may be incorporated into the Site development plan, for the purposes of this HHRA, the Site conservatively includes the Building 038 Area along with the remainder of the facility property owned by UTC. It is also understood that Site development activities may disturb soil zones from the ground surface to groundwater, present at a depth of approximately 15 feet below ground surface (bgs).

Thus, for the purposes of this HHRA, to evaluate an unrestricted redevelopment scenario, the following receptors were identified:

- The future on-Site construction worker conducting Site redevelopment activities; and
- The future on-Site child/adult resident occupying the Site after redevelopment.

The HHRA is conducted in four steps: 1) hazard identification; 2) exposure assessment; 3) toxicity assessment; and 4) risk characterization. These steps are described as follows:

- Hazard Identification includes the identification of the chemicals of potential concern (COPCs) at the Site.
- Exposure Assessment includes a review of the most sensitive receptors at the Site and their possible exposure pathways (i.e., how receptors may come into contact with the COPCs at the Site). This assessment is summarized in a conceptual site model (exposure pathway evaluation). The exposure assessment also includes an estimate of the chemical concentrations to which a receptor may be exposed.
- Toxicity Assessment includes the identification of the relevant toxicity values for the COPCs.
- Risk Characterization includes a summary of the estimated human health risk results and the associated risk uncertainties.

These four steps of the HHRA are described in further detail below.

1.1 HAZARD IDENTIFICATION

The initial step of the HHRA process is to review the available data to characterize the Site and Site impacts. A summary of the results of previous investigation activities conducted for the Site is presented in the Report on Site-wide Soil and Soil Gas Investigation Report (Haley & Aldrich, 2007a). The investigation activities included the collection and analysis of soil, soil gas, and groundwater samples. Additional soil, soil gas, and groundwater samples have been collected at the Site since 2007 to obtain additional information regarding the extent of chemical impacts at the Site. The results of these activities conducted between 2007 and 2010 have been documented in various reports (Haley & Aldrich; 2007a; 2008a,b; 2010a,b; 2014 a, b). Soil and soil gas analytical data is presented in Appendix A, which includes additional soil and soil gas data collected through 2015

For the purposes of this HHRA, it was assumed that potential dermal contact or ingestion of groundwater beneath the Site is being evaluated separately. Therefore, potential exposure from the use of groundwater for municipal purposes (e.g., drinking water) is not evaluated in this HHRA.

The COPCs that were evaluated in this HHRA were identified based on Site history, sampling results, DTSC guidance and protocol, and discussions with Los Angeles Region Regional Water Quality Control Board (LARWQCB) project managers and staff. Organic chemicals and metals (inorganic chemicals) detected above natural background concentrations at the Site were identified as COPCs. Metals were selected as COPCs using a screening process pursuant to the DTSC guidance, which generally follows the February 1997 DTSC document entitled "Selecting Inorganic Constituents as Chemicals of Potential Concern at Risk Assessments at Hazardous Waste Sites and Permitted Facilities, Final Policy."

1.1.1 Organic Chemicals of Potential Concern

Organic chemicals that were reported above laboratory detection limits in one or more soil and/or soil gas samples are considered COPCs. COPCs were identified separately for soil and for soil gas. These generally include solvents detected in soil and/or soil gas due to releases associated with historical site operations. A list of the organic chemicals identified as COPCs is presented in Table I.

1.1.2 Inorganic Chemicals of Potential Concern

Potential Site-related inorganic chemicals were identified based on a review of the data collected at the Site and an evaluation of Site-specific background concentrations for metals. To identify the Site-specific background metals concentrations, statistical background metals evaluations were conducted of the Site-specific metal data sets, which included the preparation of:

- Histograms of the untransformed and the log-transformed concentrations measured in soil samples collected across the Site, and
- Q-Q plots of these untransformed and log-transformed concentrations.

The above-noted histograms and Q-Q plots are presented in Appendix B. For each metal, the histograms and Q-Q plots of the Site-specific data set were reviewed to assess whether the untransformed or the log-transformed data best resemble a normal distribution. A normal distribution is depicted as a bell-shaped curve on a histogram, and as a straight line on a Q-Q plot. Once a decision was made regarding which of the untransformed or log-transformed data sets most resembled normal distribution, the Q-Q plot for the associated data set was reviewed to identify the point-of-departure,

where a significant change in slope occurs on the curve or a break point, where there is a noticeable break in the points along the curve. The point-of-departure or break point is defined as the point at which the background metals population (closest to the origin) diverges from the non-background (impacted) population. If no point-of-departure or break point is evident in the probability plot, the entire data set is considered to be within background. When a point-of-departure or break point is identified, the concentration at the shift in the slope or where the gap begins on the curve is identified as the potential Site-specific maximum background concentration. This concentration is then compared to published background levels to further verify whether it is a reasonable Site-specific maximum background concentration compared to published regional data.

A review of the histograms and probability plots presented in Appendix B indicates that the following metals were detected at the Site above naturally occurring background concentrations: antimony, cadmium, cobalt, copper, nickel, and zinc. These metals in additional to selenium were identified as COPCs in the HHRA. A review of background levels in California and the western United States, obtained from various literature sources (Table II), and the distribution of metals concentrations at the Site confirmed that the points-of departure chosen on the probability plots are reasonable. Selenium was identified as a COPC since it was detected in only one soil sample and considered to be an insufficient number of samples to create and identify a background threshold using historgrams and Q-Q plots.

On-Site concentrations of arsenic and mercury were considered to be within background, even though an apparent point of departure was noted on the arsenic and mercury Q-Q plots. The maximum on-Site concentrations of arsenic and mercury are within the background levels obtained from literature (Table II). In addition, historical operations did not likely include the use of arsenic. The maximum detected arsenic concentration, 7.94 mg/kg, was detected just slightly above the point-of-departure concentration (4.95 mg/kg). A review of the locations where the maximum concentrations of arsenic and mercury were detected indicates that:

- The maximum arsenic concentration was detected in the vicinity of a machine pit without the presence of other elevated metals concentrations; and
- The maximum mercury concentration (3 mg/kg) is located in a boring adjacent to an oil sump without the presence of other elevated metals concentrations, and the other mercury concentrations appear to be within background concentrations.

It was therefore concluded that the on-Site arsenic and mercury concentrations are not elevated above background concentrations, and neither arsenic nor mercury were identified as COPCs.

1.2 EXPOSURE ASSESSMENT

The objective of the exposure assessment is to estimate the magnitude, frequency, duration, and routes of reasonably anticipated human exposure to COPCs at the Site. The exposure assessment is based on identified potential Site receptors and associated potentially complete exposure pathways that define the conditions of potential exposure to Site-related COPCs. The receptors and assessment of potentially complete exposure pathways are shown in the Conceptual Site Model (CSM) presented as Figure 1.

Human health risks were estimated for significantly complete or potentially complete exposure pathways. An exposure pathway must have the following elements to be considered complete for an existing receptor or potentially complete for a potential future receptor:

- A contaminant source;
- A retention medium and transport mechanism;
- A point of potential human contact with the contaminated medium; and
- An exposure route at the exposure point.

If any of the required elements above are absent, the exposure pathway is considered incomplete (i.e., no exposure will occur) and will have no associated health risks (i.e., health risks will be zero for that exposure pathway).

Complete and potentially complete exposure pathways are discussed below in Section 1.2.1. Once the complete and potentially complete exposure pathways are identified, the quantification of chemical intake for each receptor requires an estimate of:

- Each COPC concentration the receptor may be exposed to (also referred to as an exposure point concentration [EPC]);
- The absorption of each COPC into the human body once exposed via the complete and potentially complete exposure pathways;
- The frequency and duration of contact for the complete and potentially complete exposure pathways; and
- The biological characteristics of the receptor.

The components of the exposure assessment are discussed further below.

1.2.1 Conceptual Site Model

The CSM for the Site, presented as Figure 1, identifies the potential chemical exposure pathways (i.e., ways that people could potentially be exposed to the COPCs in soil at the Site) assuming the Site will be redeveloped for residential purposes (i.e., unrestricted redevelopment). Worst-case receptors identified for future redevelopment are the future on-Site construction worker and the future on-Site child/adult resident.

The potentially complete soil exposure pathways for the future on-Site construction worker include soil ingestion, dermal exposure to soil, and inhalation of particulates (as fugitive dust generated from soil) and volatile organic compounds (VOCs) in ambient air. The potentially complete exposure pathways for the future resident include soil ingestion, dermal exposure to soil, inhalation of particulates and VOCs in ambient air, and inhalation of VOCs in indoor air due to subsurface vapor intrusion into overlying slab-on-grade buildings. These are the pathways evaluated in this HHRA.

1.2.2 Exposure Point Concentrations

Deriving estimates of chemical concentrations at points of potential human exposure is necessary to derive chemical intakes for potentially exposed individuals (i.e., human receptors). These chemical concentrations are referred to as EPCs.

1.2.2.1 Overview of EPC Derivation

Developing long-term EPCs from the investigation data includes an underlying assumption about the representativeness of the data, both temporally and spatially. The EPCs were calculated under the assumption that environmental concentrations will remain constant at the levels detected during the investigation activities for an indefinite period of time. It is thus assumed that the data considered representative of current Site conditions simulates current and future exposure conditions for a receptor having potential exposure to impacted media at the Site. Organic chemicals naturally degrade in the environment, which results in the reduction of concentrations over time. However, it is conservatively assumed that no degradation mechanisms will occur. This assumption of steady-state concentrations for each COPC will result in a conservative estimation of long-term exposure concentrations.

To simulate a receptor's spatially and temporally integrated exposure, USEPA (1992, 1997, 2002b) defines the EPC used to estimate the reasonable maximum exposure (RME) as the 95% upper contaminant level (UCL) of the arithmetic mean or, the maximum observed concentration, whichever is lower. The arithmetic mean reflects the assumption that exposure by the receptor is averaged as they traverse an area over time. The intent of the RME scenario is to focus the assessment on a conservative exposure within the range of exposures. However, for the purposes of this HHRA and to use assumptions consistent with DTSC's guidance regarding risk evaluations for unrestricted land use, maximum Site-wide concentrations were conservatively used to estimate potential risks for the future on-Site resident. 95% concentrations were considered for use in estimating potential risk for the on-Site construction worker. The 95% UCL concentrations were calculated using USEPA ProUCL version 5.0.00 software.

For incidental ingestion and dermal contact, the maximum COPC concentrations, as indicated above within the upper 15 feet bgs across the Site, were used as the EPCs.

Specific information regarding the estimation of EPCs for the inhalation of fugitive dust and VOC concentrations in ambient air and inhalation of VOCs in indoor air is presented below. Fugitive dust and VOCs in ambient air EPCs were estimated using maximum COPC concentrations within the upper 15 feet bgs across the Site. VOCs in indoor air EPCs were estimated using maximum soil gas concentrations within the upper 15 feet bgs across the Site.

Soil gas samples were collected during 1989, 1993, and between 2005 and 2009. Appendix C includes a figure that shows soil samples collected in 1989 and 1993 and between 2005 and 2014. The results of these soil gas samples were considered in the HHRA, with the following exception. Some soil gas locations collected in 1989 and 1993 were resampled between 2005 and 2014. When this occurred, EPCs were developed from the results of the samples collected between the 2005 and 2014 sampling events rather than from the results of the samples collected in 1989 and 1993.

Similarly, some soil sample locations were resampled in 2014 to assess current conditions at the Site. When this occurred, EPCs were developed from the results of the samples collected in 2014 sampling events rather than from the results of the previous sampling events.

1.2.2.2 Fugitive Dust

COPCs that are relatively nonvolatile compounds can adhere to soil and become airborne due to wind erosion or due to mechanical disturbance such as soil grading operations. Once airborne, these soil particulates generate fugitive dust that can be inhaled. The fugitive dust EPC is estimated by multiplying the COPC EPC in surface soil by the inverse of the particulate emission factor (PEF) relevant to the fugitive dust generating activities.

During intrusive activities associated with activities conducted by the future construction worker, fugitive dust may be generated by various activities including not only wind erosion but also by vehicles driven on unpaved roads, trucks dumping excavated soil, dozing, grading, tilling, or similar operations, as noted in the 2002 USEPA document (USEPA, 2002a). To account for these activities, the PEF during these activities was assumed to be the DTSC-recommended default PEF identified for the construction scenario in the 20 October 2011 DTSC document entitled "Office of Human and Ecological Risk (HERO) HHRA Note Number 1, Issue: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Site and Permitted Facilities" (HHRA Note 1). This PEF value is 1.0×10^6 cubic meters per kilogram (m^3/kg).

For the future on-Site resident after Site redevelopment, fugitive dust may be generated from wind erosion of exposed surface soil. The PEF default value fir a residential scenario, 1.316×10^9 m^3/kg, is identified in the HHRA Note 1. This PEF value was used for fugitive dust-generating activities after Site redevelopment.

1.2.2.3 Volatiles in Ambient Air

VOCs may volatize from VOC-impacted soil into the ambient air. The ambient air concentration for VOCs was estimated by dividing the lower of the COPC EPC in vadose zone soil and the soil saturation limit concentration for the COPC by the volatilization factor (VF) calculated using Site-specific soil property data.

The soil saturation limit concentration was estimated following Equation 4-9 presented in the USEPA document titled "Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites" (USEPA 2002a):

$$sat = \frac{S}{\rho_b} \times \left(K_d \rho_b + \Theta_w + H' \Theta_a \right) \qquad \text{(Equation 1)}$$

where,

sat	=	Soil saturation concentration (milligrams per kilogram [mg/kg])
S	=	Solubility in water (milligrams per liter-water, chemical-specific, USEPA 2012)
ρ_b	=	Dry soil bulk density (g/cm^3, Site-specific, same as used in the Johnson & Ettinger [J&E] vapor intrusion model)
K_d	=	Soil-water partition coefficient (cubic centimeter per gram [cm^3/g]) = $K_{oc} \times f_{oc}$
K_{oc}	=	Soil organic carbon-water partition coefficient (cm^3/g, chemical-specific, USEPA 2012)
f_{oc}	=	Fraction organic carbon in soil (gram per gram [g/g], default, 0.006, USEPA 2002a)

Θ_w	=	Water-filled soil porosity (l_{water}/l_{soil}, Site-specific, same as used in the J&E model)
Θ_a	=	Air-filled soil porosity (l_{air}/l_{soil}, Site-specific, same as used in the J&E model)
H'	=	Dimensionless Henry's Law constant (chemical-specific, USEPA 2012)

The soil VF for the construction scenario was calculated using the following subchronic volatilization factor equation, as specified by USEPA (2002a) as Equation 5-14:

$$VF_{sc} = \left[\frac{(3.14 \times D_A \times T)^{1/2}}{2 \times \rho_b \times D_A}\right] \times 10^{-4} m^2/cm^2 \times Q/C_{sa} \times \frac{1}{F_D} \qquad \text{(Equation 2)}$$

where,

VF	=	Volatilization factor (cubic meters per kilogram [m^3/kg])
D_A	=	Apparent diffusivity (centimeters squared per second [cm^2/s], see Equation 2)
T	=	Total time over which construction occurs (s, receptor-specific, e.g., 31,536,000 s = 1 year for a construction worker)
ρ_b	=	Dry soil bulk density (g/cm^3, Site-specific, see Equation 1)
Q/C	=	Dispersion emission component, ([g/m^2/s]/[kg/m^3], see Equation 4)
F_D	=	Dispersion correlation factor (unitless, 0.185, USEPA 2002a)

The soil VF for the future on-Site child/adult resident was calculated using the following equations presented by USEPA (2002a) as Equation 4-8:

$$VF = \frac{Q/C_{vol} \times (3.14 \times D_A \times T)^{1/2} \times 10^{-4} (m^2/cm^2)}{(2 \times \rho_b \times D_A)} \qquad \text{(Equation 3)}$$

where,

VF	=	Volatilization factor (m^3/kg)
D_A	=	Apparent diffusivity (cm^2/s, see Equation 4)
T	=	Total time over which construction occurs (s, receptor specific, e.g., 946,080,000 s = 30 years for a child/adult resident)
ρ_b	=	Dry soil bulk density (g/cm^3, Site-specific, see Equation 1)
Q/C	=	Dispersion emission component, ([g/m^2/s]/[kg/m^3], see Equation 5)

$$D_A = \frac{\left[\left(\Theta_a^{1/3} D_i H' + \Theta_w^{1/3} D_w\right)/n^2\right]}{\rho_b K_d + \Theta_w + \Theta_w H'} \qquad \text{(Equation 4)}$$

where,

D_A = Apparent diffusivity (cm^2/s, chemical-specific)

ρ_b = Dry soil bulk density (g/cm^3, Site-specific, see Equation 1)

Θ_A = Air-filled soil porosity (l_{air}/l_{soil}, Site-specific, see Equation 1)

n = Total soil porosity (l_{pore}/l_{soil}, Site-specific, see Equation 1)

Θ_w = Water-filled soil porosity (l_{water}/l_{soil}, Site-specific, see Equation 1)

D_i = Diffusivity in air (cm^2/s, chemical-specific, USEPA 2012)

H' = Dimensionless Henry's Law constant (unitless, chemical-specific, USEPA 2012)

D_w = Diffusivity in water (cm^2/s, chemical-specific, USEPA 2012)

K_d = Soil-water partition coefficient (cm^3/g) = K_{oc} x f_{oc}

K_{oc} = Soil organic carbon-water partition coefficient (cm^3/g, chemical-specific, USEPA 2012)

f_{oc} = Fraction organic carbon in soil (g/g, 0.006 = default, USEPA 2002a)

$$Q/C_{sa} = A \times \exp\left[\frac{(\ln A_c - B)^2}{C}\right] \qquad \text{(Equation 5)}$$

where,

Q/C = Dispersion emission component, ($[g/m^2/s]/[kg/m^3]$)

A = Unitless constant (11.911 = default for Los Angeles for resident after Site redevelopment; 2.4538 default for construction worker, USEPA 2002a)

A_c = Areal extent of Site soil contamination (acres, 48 = area of Site)

B = Unitless constant (18.439 = default for Los Angeles for resident after Site redevelopment; 17.566 = default for construction worker, USEPA 2002a)

C = Unitless constant (209.7845 = default for Los Angeles for resident after Site redevelopment; 189.0426 = default for construction worker, USEPA 2002a)

Each COPC concentration in ambient air was calculated using the following equation:

$$C_a = \frac{C_s}{VF} \qquad \text{(Equation 6)}$$

where,

C_a = Ambient air concentration (milligram per cubic meter [mg/m^3])

C_s = Soil concentration (milligram per kilogram [mg/kg], Table I)

VF = Volatilization factor (cubic meters per kilogram [m^3/kg], see Equations 2 and 3)

1.2.2.4 VOCs in Indoor Air

VOCs may volatize from VOC-impacted soil or groundwater into indoor air from upward migration of vapor through cracks and seams in the building foundation. The maximum COPC concentrations in soil vapor samples collected at the Site were used to calculate EPCs for the inhalation of VOCs in indoor air for the future on-Site resident.

Vapor flux from the subsurface into the indoor air of a future residential building was derived using the USEPA advanced soil gas (SG-ADV) Johnson & Ettinger (J&E) vapor intrusion model (Version 3.1, dated February 2004). The J&E model was used to estimate an attenuation factor between subsurface and indoor air for each COPC, which was used to estimate the indoor air EPCs. The J&E derived attenuation factors are summarized in Table III. DTSC default assumptions used in the J&E model include the DTSC-specified chemical parameters and other model default parameters specific to the receptor as identified in the October 2011 DTSC vapor intrusion guidance (DTSC, 2011b). Site-specific information used in the model included information concerning:

- Physical soil characteristics, and
- Soil gas concentrations.

In general, soil gas samples were collected at each soil gas sampling location at a depth of approximately 5 feet and/or at a depth of 9 feet below ground surface (bgs). Maximum soil gas concentrations were generally detected at 5 feet bgs. Since soil gas samples were not collected at both the 5 and 9-foot sampling depths at each soil gas sampling location, the maximum soil concentrations for each chemical was modeled from a depth of 5 feet bgs. A review of the boring logs for the top 5 feet of soil at the Site indicates that this soil is primarily classified as sand (surface to 2 feet bgs) and clay (2 to 5 feet bgs). Eleven soil samples were collected from the upper five feet of soil at the Site in June 2015 and analyzed for physical soil parameters. Separate Site-specific average physical soil parameter measurements for samples classified as sand and as clay were used for each of the two soil stratum in the J&E model. These values are presented in Table IV. Soil physical property analytical data is provided in Appendix D. The J&E model calculations are presented in Appendix E.

1.2.3 Estimation of Chemical Intakes and Exposure Concentrations

EPA risk assessment guidelines recommend that intake doses be calculated in a manner that produces risk estimates of the RME scenario (USEPA, 1989). The RME considers the upper bound case described by using the 50th or 95th percentile of the actual distribution of most input parameters, including receptor characteristics used to estimate intake doses. The intent of the RME scenario is to focus the risk assessment on conservative exposures within the range of possible exposures. Since the RME scenario uses a mixture of upper bound and central tendency assumptions and data, the associated estimated COPC intake is not an average COPC intake, but is intended to be an estimate of the plausible upper-end intake. These conservative assumptions add another level of conservativeness which further overestimates potential exposures. These assumptions are presented in Table V.

The exposure values for the receptors were primarily obtained from the HHRA Note 1 (DTSC, 2011a). Other key guidance documents from which exposure parameters were obtained include the 1996 USEPA guidance entitled “Soil Screening Guidance: Technical Background Document,” (USEPA, 1996), the 2002 USEPA guidance entitled “Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites,” (USEPA, 2002a), the 2005 OEHHA document entitled “Human-Exposure-Based Screening

Numbers Developed to Aid in Estimation of Cleanup Costs for Contaminated Soil," (OEHHA, 2005), and the "Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment)," (USEPA, 2009).

1.2.3.1 Soil Ingestion and Dermal Soil Exposure

For noncarcinogenic effects, intake for soil ingestion and dermal exposure to soil is averaged over the period of exposure and is referred to as the average daily intake (ADI). For carcinogenic effects, the intake is averaged over a lifetime and is referred to as the lifetime average daily intake (LADI). The following general equation was applied to estimate COPC intake for soil ingestion and dermal exposure to soil exposure pathways considered in the HHRA:

$$Intake = \frac{C \times IR \times EF \times ED \times RAF}{BW \times AT} \qquad \text{(Equation 7)}$$

where,

Intake	=	ADI (mg/kg-day) for noncarcinogens LADI (mg/kg-day) for carcinogens
C	=	EPC of COPC in environmental medium (e.g., mg/kg for soil)
IR	=	Intake rate (e.g., mg soil/day)
EF	=	Exposure frequency (days/year)
ED	=	Exposure duration (years)
RAF	=	Relative absorption factor (i.e., the ratio of bioavailability in the exposure scenario to bioavailability in the exposure situation from which the toxicity criteria is based)
BW	=	Body weight (kg)
AT	=	Averaging time (days)

A description of the derivation of COPC intake for each of the potentially complete exposure pathways is presented in the following sections.

1.2.3.1.1. Incidental Ingestion of Soil

The equation that was used to estimate COPC intake due to incidental ingestion of soil is presented below:

$$Intake = \frac{CS \times IR \times CF \times EF \times ED \times RAF}{BW \times AT} \qquad \text{(Equation 8)}$$

where,

CS	=	EPC of COPC in soil (mg/kg)
IR	=	Ingestion rate of soil (mg/day)

CF = Conversion factor (1 x 10^{-6} kg/mg)

EF = Exposure frequency (days/year)

ED = Exposure duration (years)

RAF = Relative absorption factor (unitless)

BW = Body weight (kg)

AT = Averaging time (days)

1.2.3.1.2. Dermal Contact with Soil

The equation that was used to estimate COPC intake due to dermal contact with soil is presented below:

$$Intake = \frac{CS \times AF \times SA \times CF \times EF_1 \times EF_2 \times ED \times ABS_d}{BW \times AT} \quad \text{(Equation 9)}$$

where,

CS = EPC of COPC in soil (mg/kg)

AF = Soil adherence factor (mg/cm^2-event)

SA = Surface area of exposed skin (cm^2)

CF = Conversion factor (1 x 10^{-6} kg/mg)

EF_1 = Exposure frequency (days/ year)

EF_2 = Contact rate (event/day)

ED = Exposure duration (years)

ABS_d = Dermal absorption fraction (unitless)

BW = Body weight (kg)

AT = Averaging time (days)

1.2.3.2 Inhalation Exposure

For the inhalation pathway, intake of COPCs in air is a time-weighted average concentration, referred to as the exposure concentration (EC), derived from measured or modeled concentrations in air and adjusted based on characteristics of the exposure scenario being evaluated. The following general equation was applied to estimate ECs for the inhalation exposure pathways considered in the HHRA:

$$EC = \frac{CA \times ET \times EF \times ED}{AT} \quad \text{(Equation 10)}$$

where,

EC = Exposure concentration (ug/m^3)

CA = EPC of COPC in air (ug/m^3 in air)

ET = Exposure time (hours/day)

EF = Exposure frequency (days/year)

ED = Exposure duration (years)

AT = Averaging time (hour over a lifetime for cancer risk, hours over exposure period for hazard index)

1.3 TOXICITY ASSESSMENT

The toxicity assessment characterizes the relationship between the magnitude of exposure to a COPC and the nature and magnitude of adverse health effects that may result from each exposure. For the purpose of HHRA, adverse health effects are classified into two broad categories: noncarcinogens and carcinogens. Toxicity values are generally developed based on the threshold approach for noncarcinogenic effects and the non-threshold approach for carcinogenic effects. Toxicity values may be based on epidemiological studies, short-term human studies, or subchronic or chronic animal data. Toxicity values to estimate adverse noncarcinogenic health effects as hazard quotients (HQs) are derived using reference doses (RfDs) and reference concentrations (RfCs); toxicity values to estimate incremental lifetime cancer risks ([ILCRs], also typically referred to as excess lifetime cancer risks) are derived using cancer slope factors (SFs) and unit risk factors (URFs).

1.3.1 Adverse Noncarcinogenic Health Effects

It is widely accepted that adverse noncarcinogenic health effects from chemical substances occur only after a threshold dose or intake is reached. For the purpose of establishing a toxicity value for an adverse noncarcinogenic health effect, a threshold dose is usually estimated from the no-observed-adverse-effect-level (NOAEL) or the lowest-observed-adverse-effect-level (LOAEL) determined from chronic or subchronic animal studies. The NOAEL is the highest dose at which no adverse effects are observed; the LOAEL is the lowest dose at which adverse effects are observed.

Safety factors (up to 1,000-fold) are applied to the NOAEL or LOAEL observed in animal studies or human epidemiological studies to establish conservative RfDs or "reference concentrations." An RfD is an estimate of a dose level that is not expected to result in adverse health effects in humans, even among the most sensitive members of the population (USEPA, 1989). RfDs are expressed as acceptable daily doses in milligrams of chemical per kilogram of body weight per day (mg/kg-day).

An RfC is "an estimate of a continuous inhalation exposure to the human population (including sensitive subgroups) that is likely to be without appreciable risk of deleterious effects during a lifetime" (USEPA, 2009). RfCs are expressed in ug/m^3.

1.3.2 Carcinogenic Health Effects

Regulatory agencies have generally assumed that carcinogenic agents do not have toxicological thresholds. The dose-response curve used for regulation of carcinogens only predicts zero risk when there is zero dose (i.e., for doses greater than zero, some risk is assumed to be present). Cancer risks from potential human exposures to carcinogenic chemicals are modeled mathematically using either animal or human data.

Cancer risks for exposure to carcinogens are defined in terms of upper bounds on probabilities. The probabilities identify the likelihood of a carcinogenic response in an individual that receives a given dose of a particular chemical (based on mathematical modeling of the animal or human data). Potential carcinogenic effects are expressed as the probability that an individual will develop cancer from a lifetime exposure. This probability is based on projected intakes and chemical-specific dose-response data called SFs and URFs.

The SF defines the cancer risk due to average lifetime exposure to one unit of carcinogen (in units of risk per mg/kg-day written as the inverse of mg/kg-day (mg/kg-day)$^{-1}$). To derive SFs, the USEPA generally uses the linearized multistage model for low-dose extrapolation. The model is considered one of the most conservative models applied and has been recognized by USEPA to overpredict ILCRs. Using this model, SFs are derived by calculating the 95% UCL on the slope of the linearized portion of the dose-response curve obtained from the multistage cancer model. Use of the 95% UCL of the slope means that there is only a 5% chance that the probability of a response could be greater than the estimated value of the experimental data used.

The inhalation URF (IURF) is "the upper-bound excess lifetime cancer risk estimated to result from continuous exposure to an agent at a concentration of 1 ug/m^3 in air" (USEPA, 2009). IURFs are expressed in (ug/m^3)$^{-1}$.

1.3.3 Chemical-specific Toxicity Values

Chronic toxicity values for adverse cancer and noncancer effects are conservatively used to evaluate both chronic and subchronic exposures for each COPC. Each exposure evaluated herein is considered to be chronic exposure. When Cal/EPA toxicity values are not available, USEPA toxicity values were used. The toxicity values used to identify the California toxicity values is based on the recommendations in the PEA Guidance Manual (DTSC, 2013). The hierarchy used to select of chemical toxicity values is presented below, where priority is given over California published toxicity values:

1. Cal/EPA, OEHHA, Toxicity Criteria Database, http://www.oehha.ca.gov/risk/chemicalDB/index.asp

2. Cal/EPA, OEHHA, Chronic Reference Exposure Levels (RELs) for Airborne Toxicants, January 2014, http://www.oehha.ca.gov/air/Allrels.html

3. Cal/EPA, Air Resources Board (ARB), Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, 3 February 2014, http://www.arb.ca.gov/toxics/healthval/healthval.htm

4. Cal/EPA, DTSC, Soil Gas Screening (SG-SCREEN) Johnson & Ettinger (J&E) vapor intrusion model (Version 2.0, dated February 2003), toxicity updated March 2014, http://www.dtsc.ca.gov/AssessingRisk/JE_Models.cfm.

5. USEPA, Region 9, Regional Screening Levels (RSL) Tables, November 2013, http://www.epa.gov/region09/superfund/prg/

Both California and the USEPA publish toxicity values for TCE. In 2011, the USEPA published toxicity values for TCE in their Integrated Risk Information System (IRIS). The USEPA values are more stringent

than those published by California in the Toxicity Criteria Database, and are the toxicity values included in the DTSC J&E model. The USEPA toxicity values were, thus, used in this evaluation.
The selected toxicity values for the COPCs are presented in Table VI.

1.4 RISK CHARACTERIZATION

Risk characterization is the fourth step in the risk assessment process. Risk characterization includes the integration of the toxicity and exposure assessments to provide quantitative and qualitative expressions of risk.

1.4.1 Calculation of Adverse Noncarcinogenic Health Effects

The RfD and the RfC are used in the risk characterization to estimate the potential for adverse noncarcinogenic health effects. The estimated ADI divided by the RfD or the RfC for inhalation exposures is referred to as an HQ. An HQ value greater than 1.0 indicates a chemical dose above the RfD for that pathway, and thus a potential for adverse noncarcinogenic health effects. A total hazard index (HI) is a sum of the HQs for more than one chemical with similar toxicological endpoints. A total HI greater than 1 indicates a potential for an adverse noncarcinogenic health effect from exposure to that chemical or chemicals. Typically, additional risk evaluation is undertaken only when this threshold is exceeded. Additional information regarding the derivation and interpretation of HQs and total HI is presented below.

The HQ compares a receptor's exposure or intake level to the RfD or RfC of that COPC, as appropriate for the defined complete pathway (USEPA, 1989). To calculate an HQ, the ADI or EC for inhalation exposures (e.g., upper bound intake averaged over the exposure period) for each COPC is divided by the chemical-specific RfD or RfC, respectively, as shown in the following equation:

$$HQ_{pathway1} = ADI/RfD \quad \text{or} \quad EC/RfC \qquad \text{(Equation 11)}$$

where,

$HQ_{pathway1}$	=	HQ of particular pathway for COPC (unitless)
ADI	=	Average daily intake of COPC (mg/kg-day)
EC	=	Exposure concentration (ug/m^3)
RfD	=	Reference dose of COPC (mg/kg-day)
RfC	=	Reference concentration of COPC (ug/m^3)

When using the above equation to estimate the potential for adverse noncancer health effects, both the intake and the RfD or the exposure concentration and the RfC must refer to exposures of equivalent duration (e.g., chronic).

For each receptor, the HQ of each pathway for the COPC is then summed to calculate the total HQ for that COPC as shown in the following equation:

$$Total\ HQ = HQ_{pathway1} + HQ_{pathway2} + \ldots + HQ_{pathway\ n}$$

(Equation 12)

where,

Total HQ	=	Summed HQs for COPC (unitless)
$HQ_{pathway1}$	=	HQ for particular pathway for COPC (unitless)

As a first tier analysis, the HQs (e.g., for all COPCs, regardless of target organ) for each receptor can be summed as the basis for conservatively estimating a screening total HI for that receptor. In this case, it is assumed that each COPC acts by the same mechanism and induces the same effects (USEPA, 1989). For simultaneous exposures to a receptor by several COPCs, a total HI is calculated as the sum of the HQs for each COPC by:

$$Total\ HI = HQ(COPC_1) + HQ(COPC_2) + \ldots + HQ(COPC_n)$$

(Equation 13)

where,

Total HI	=	Total Hazard Index
$Total\ HQ(COPC_n)$	=	Sum of HQs for that COPC

If the total HI exceeds a value of 1.0, then acceptable target organ-specific total HIs can be calculated for the receptor based on target organs as recommended by USEPA (1989).

1.4.2 Calculation of Cumulative Incremental Lifetime Cancer Risk

The cancer SF or URF is used in the risk characterization to estimate the cancer risk. The SF multiplied by the LADI or the URF for inhalation exposures multiplied by EC is referred to as an ILCR.

$$ILCR = (LADI) \times (SF)$$

Or

$$EC \times IURF$$

(Equation 14)

where,

ILCR	=	Incremental lifetime cancer risk for COPC, also referred to as excess lifetime cancer risk (unitless)
LADI	=	Lifetime average daily intake of COPC (mg/kg-day)
EC	=	Exposure concentration (ug/m^3)
SF	=	Slope factor of COPC $(mg/kg\text{-}day)^{-1}$
IURF	=	Inhalation URF $(ug/m^3)^{-1}$

For each COPC identified as a potential human carcinogen, the theoretical upper bound ILCR for a particular receptor is the sum of the calculated ILCRs for each COPC.

For each receptor, the ILCR of each pathway for the COPC is then summed to calculate the ILCR for that COPC as shown in the following equation:

$$ILCR_{COPC} = ILCR_{pathway1} + ILCR_{pathway2} + \ldots + ILCR_{pathwayn}$$

(Equation 15)

where,

$ILCR_{COPC}$ = Summed ILCR for COPC (unitless)

ILCRpathway1 = ILCR for particular pathway for COPC (unitless)

If a receptor is exposed to several carcinogens, the following equation is used to sum cancer risks:

$$Cumulative\ ILCR = ILCR(COPC_1) + ILCR(COPC_2) + \ldots + ILCR(COPC_n)$$

(Equation 16)

where,

Cumulative ILCR = Total risk of cancer incidence for all COPCs

$ILCR(COPC_n)$ = Individual COPC ILCR

1.4.3 Application of Age-Sensitivity Factors for Infants and Children

USEPA has developed guidance for characterizing cancer susceptibility associated with early life exposures (e.g., young children) to potentially carcinogenic chemicals (Supplemental Cancer Guidance; USEPA, 2005; 2008). In accordance with the Supplemental Cancer Guidance, for chemicals that initiate carcinogenesis by a mutagenic mode of action (MOA), adjustments are made to the cancer risk calculations to reflect USEPA's conclusion that cancer risks for chemicals that act by a mutagenic MOA are generally higher from early-life exposure than from similar exposures later in life. Among the chemicals that USEPA has identified as acting through a mutagenic MOA, the following are COPCs in this HHRA:

- Hexavalent Chromium;
- 1,2,3-Trichloropropane;
- Methylene chloride;
- Trichloroethene; and
- Vinyl chloride.

For chemicals for which data concerning differential susceptibility for early life stages is available, USEPA may develop cancer slope factors (CSFs) and unit risk values (URs) that are applicable to specific ages

(e.g., infants and young children, adults). If chemical-specific data are not available to differentiate susceptibility among various life stages, the Supplemental Cancer Guidance recommends application of age-dependant adjustment factors (ADAFs) to develop risk estimates. The ADAFs developed by USEPA are as follows (USEPA, 2005; 2008):

For exposure before 2 years of age (i.e., spanning a 2-year time interval from the first day of birth of until a child's second birthday), the ADAF = 10;

For exposure between 2 and <16 years of age (i.e., spanning a 14-year time interval from a child's second birthday up until their sixteenth birthday), the ADAF = 3;

For exposures after turning 16 years of age, no adjustment is required
(i.e., ADAF = 1).

The approach recommended by USEPA to evaluate cancer risks for hexavalent chromium, 1,2,3-trichloroprpane, methylene chloride, trichloroethene, and vinyl chloride is described below and documented in the calculation provided in Appendix G.

1.4.3.1 Application of ADAFs

USEPA indicates that the ADAFs should be applied to evaluate cancer risks associated with potential exposures to hexavalent chromium, 1,2,3-trichloroprpane, and methylene chloride. Therefore, the ADAFs identified above are used to characterize cancer risks for these chemicals evaluated in this risk assessment.

In accordance with USEPA guidance, exposure scenarios evaluated in this HHRA that include children (i.e., residential land use scenarios) are evaluated using two age groups (children <6, and adults), rather than the three age groups for which ADAFs were developed. The children <6 age-group encompasses the <2 and 2 - <6 ages for which ADAFs have been developed, and the adult group encompasses the children 6 - <16 and >16 ages for which ADAFs have been developed.

Cancer risk calculations for young children (ages <6) are calculated by apportioning the intake calculated for children ages 1 through 6 into a two-year intake for children ages $\leq$2 and a four-year intake for children ages >2 to 6. The apportioned intakes are then multiplied by the applicable ADAFs and CSF values to derive excess lifetime cancer risk (ELCR) for each age group, as shown in the following equations.

ILCR-ages <2= [Total intake (ages 0 – 2)] x [ADAF (10)] x [CSF]
ILCR-ages >2 – 6 = [Total intake (ages 2 – 6)] x [ADAF (3)] x [CSF]
ILCR-ages 1 – 6 = [ELCR-ages <2] + [ELCR-ages >2 – 6]

Cancer risk calculations for adults (ages >6 – 26) were performed using the same approach

ILCR-ages >6 - <16 = [Total intake (ages 6 - 16)] x [ADAF (3)] x [CSF]
ILCR-ages 16 – 26 = [Total intake (ages 16 – 26)] x [ADAF (1)] x [CSF]
ILCR-ages >6 – 26 = [ELCR-ages >6 - <16] + [ELCR-ages 16 – 26]

1.4.3.2 Trichloroethene

Based on the USEPA Regional Screening Levels User's Guide (USEPA, 2015b), cancer risks associated with trichloroethene by the oral and dermal exposure routes are calculated as:

ILCR = (Cancer risk calculated using ADAFs presented in Section 1.4.3.1 x 0.202) + (Cancer risk calculated without incorporating the ADAFs x 0.804)

Cancer risk associated with trichloroethene for inhalation exposure is calculated as:

ILCR = (Cancer risk calculated using ADAFs presented in Section 1.4.3.1 x 0.244) + (Cancer risk calculated without incorporating the ADAFs x 0.756)

1.4.3.3 Vinyl Chloride

Implementation of the Supplemental Cancer Guidance for vinyl chloride indicates that, when evaluating partial life exposures that begin at birth as is the case with standard 26-year residential exposure scenarios, a separate risk calculation for children that excludes the averaging time component of the standard intake algorithm be included in the total risk calculation. Thus, for children (ages 1 – 6), cancer risk associated with vinyl chloride for inhalation exposure is calculated as:

ILCR = [IURF x (EPC x ET x EF x ED) / (24 hr x AT)] + [(IURF x (EPC x ET x EF) / (24 hr x 365)]

Vinyl chloride was detected in soil gas but was not detected above the laboratory detection limit in soil at the Site. Thus, the cancer risk associated with vinyl chloride by the oral and dermal exposure route was not calculated.

1.4.4 Acceptable Risk Thresholds

Estimates of the Site-specific noncancer HI and cumulative ILCR are compared to acceptable target levels by risk managers. There is some variability in acceptable cumulative ILCRs established by various regulatory agencies, although the acceptable target level for HIs is generally less than or equal to 1.0 and most target cumulative ILCRs considered acceptable lie within the risk range of 10^{-6} to 10^{-4}.

Total Noncancer Hazard Index - The HI evaluation process typically occurs in two steps. First, the HQs for all COPCs are added and compared to an acceptable target total HI. If the calculated value is greater than the acceptable target level, then for the second step only total HQs for those compounds considered to have additive adverse noncarcinogenic health effects are summed to refine the HI estimate.

An HI of less than 1.0 indicates that it is unlikely that adverse human health effects will occur during a lifetime in an exposed population, including sensitive subpopulations (USEPA, 1989). Most environmental programs employ an HI of unity (i.e., 1.0) as an acceptable target for risk decisions. The most explicit directive comes from the federal Superfund program (USEPA, 1990), which is Cal/EPA policy as well. This directive specifies an HI of 1.0 as the acceptable target for risk management decisions, as well as the acceptable target risk to be achieved in designing remedial responses. This

noncancer risk threshold was used in this HHRA for each receptor as the acceptable total HI to assess whether exposure to COPCs at the Site may pose an adverse noncarcinogenic effect.

Cumulative Incremental Lifetime Cancer Risk – A total incremental lifetime risk of 10^{-6} to 10^{-4} corresponds to theoretical probability of 1 chance in 1 million to 1 chance in ten thousand, which is in addition to or in excess of the background cancer risk. The conservatism of such risk increments is enhanced by the fact that risk is typically expressed as an upper bound ILCR. That is, true risk is anticipated to lie somewhere between zero and the upper bound risk estimated in the risk characterization (USEPA, 1989). Potential risk estimates between 10^{-6} and 10^{-4} require risk management decisions based on Site-specific land use/exposure scenarios and may or may not require remediation or mitigation (USEPA, 1990). It is generally widely accepted in the regulatory community that risk estimates equal to or less than 10^{-6} do not require remediation or mitigation measures. Risk estimates greater than 10^{-4} generally require remediation or mitigation to reduce potential exposures, and Site remediation based on cumulative ILCRs between 10^{-6} and 10^{-4} is made on a case-by-case basis.

California Proposition 65 (1986, Safe Drinking Water and Toxic Enforcement Act of 1986, Proposition 65, Health and Safety Code Section 25249.5 et seq.) requires specific notification and warning for exposure to carcinogens above the "no significant risk level," which is based on a 10^{-5} excess lifetime cancer risk. In addition, the USEPA, under the RCRA Corrective Action Environmental Indicators (EI) program Frequent Questions website (http://www.epa.gov/osw/hazard/correctiveaction/eis/faqs.htm), indicates that "For the purposes of making Current Human Exposure under Control EI determinations with respect to vapor intrusion, USEPA generally recommends the use of 10^{-5} levels for carcinogens (incremental individual lifetime cancer risk), and a HQ of 1 for noncancer risk."

A cumulative ILCR threshold of 10^{-5} was used in the HHRA to assess whether exposure to COPCs at the Site may pose an unacceptable cumulative ILCR for the construction worker receptors; a cumulative ILCR threshold of 10^{-6} was used in the HHRA to assess whether exposure to COPCs at the Site may pose an unacceptable cumulative ILCR for the residential receptors. These target cumulative ILCR values are within the range of ILCRs considered to be acceptable.

1.4.5 Summary of Risk Characterization Results

The risk characterization results for future on-Site construction worker and future on-Site resident are summarized below. A summary of the risk results is presented in Table VII. The associated risk calculations are presented in Appendices F and G.

1.4.5.1 Future On-Site Construction Worker

Based on the results of this HHRA for the future on-Site construction worker, the cumulative ILCR is 1 x 10^{-5}, and the total HI is 2.1. The cumulative ILCR is equal to the acceptable cumulative ILCR threshold of 1 x 10^{-5}, and the total HI is greater than the acceptable total HI of 1.0. Therefore, mitigation is necessary to protect the future on-Site construction worker.

The chemical in soil contributing most to the risk is nickel.

1.4.5.2 Future On-Site Resident

Based on the results of this HHRA for the future on-Site resident, the cumulative ILCR is 1 x 10^{-2}, and the total HI is 46. The cumulative ILCR is greater than the acceptable cumulative ILCR threshold of 1 x 10^{-6}, and the total HI is greater than the acceptable total HI of 1.0. Therefore, mitigation is necessary to protect the future on-Site resident.

The chemicals in soil contributing most to the risk include antimony, cobalt, copper, nickel, bis(2-ethylhexyl)phthalate, polychlorinated biphenyls, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,2,3-trichloropropane, 1,1-dichloroethane, benzene, cis-1,2-dichloroethene, ethylbenzene, naphthalene, PCE, and TCE.

The chemicals in soil gas contributing most to the risk include 1,1-dichloroethane, 1,1-dichloroethene, 1,1,2-trichloroethane, 1,2-dichloroethene, benzene, bromodichloromethane, chloroethane, chloroform, dibromochloromethane, ethylbenzene, naphthalene, PCE, TCE, and vinyl chloride.

1.4.6 Uncertainty Analysis

It should be noted that the risk estimates are conservative estimates of potential future health risks. The USEPA and DTSC guidance documents for risk assessment provide a systematic means for organizing, analyzing, and presenting information on the nature and magnitude of risks to public health posed by chemical exposures. Despite the advanced state of current risk assessment methodology, uncertainties and limitations are inherent in the risk assessment process. In an attempt to minimize the consequences of uncertainty, regulatory guidance typically relies on the use of conservative estimates of adverse health effects in the absence of strong scientific data. Because multiple conservative assumptions are used, the overall risk characterization results are much more likely to overestimate the potential risk rather than to underestimate it.

The risk estimates were overestimates of risk for the following reasons:

- Use of the maximum concentrations assumes that a person would be exposed to a maximum concentration during their entire exposure duration, which is unlikely. It is more realistic to assume that a person may be exposed to representative average concentrations. Thus, the use of maximum concentrations overestimates risk. The assumption that each of these maximum concentrations are co-located within the exposure area further contributes to an overestimate of risks.
- It is also assumed that COPC concentrations remain constant over time. It is more likely that, due to natural degradation processes, organic COPC concentrations will decrease over time. Thus, estimated organic COPC intakes would decrease over time, which would result in lower risk estimates than presented herein.
- Risk assessments require assumptions to assess potential human exposure. The HHRA includes assumptions about general characteristics and potential patterns of human exposure. RME exposures are calculated to provide some measure of the range and uncertainty in potential exposures. The RME case is developed to provide an upper bound on exposure. Because RME estimates are based on a combination of conservative assumptions, the estimates likely overpredict exposures that would generally be encountered. For instance, it is unlikely that the same construction worker will be present on-Site for each day of the entire assumed exposure

period of 1 year. It is more likely that any one person will have shorter exposure duration, as their work at the Site during redevelopment activities typically would not expand over a year (e.g., site graders, utility installers, electricians, plumbers, etc.).

- Toxicity values used in risk assessments present overestimates of the potential toxicity of these chemicals to humans. Assumptions used to develop toxicity values include the addition of safety factors to account for uncertainties associated with extrapolating high doses to low doses where chronic environmental exposures would occur and to account for uncertainties associated with the use of laboratory animal studies to assess potential toxicity to human receptors.
- The use of the J&E model to estimate indoor air concentrations is also inherently conservative. The model assumes that the same input concentration is present beneath the entire building footprint evaluated. It also assumes that the building is under negative pressure and that vapors will migrate upward into the indoor air through foundations cracks and seams at the exterior floor to wall interfaces, with a uniform soil-gas advection rate per square centimeter. In addition, the model does not account for mixing in buildings with upper floors, and it is assumed that the entire exposure duration occurs in the floor directly above the building foundation.

1.5 DEVELOPMENT OF PROPOSED HEALTH PROTECTION LEVELS

The acceptable risk thresholds identified herein were exceeded in the HHRA for both future on-site receptors. The COPCs with maximum concentrations that contributed the most to the risk threshold exceedances, referred to as risk drivers, were identified. Cumulative risk-based remediation criteria were derived by lowering the concentrations of these risk drivers in the HHRA calculations until the risk thresholds specific to each of those receptors were met. These lowered concentrations were identified as the cumulative health protection levels, which are presented in Table VIII. The calculations presenting the derivation of the health protection levels are presented in the end of Appendices F and G.

References

1. California Office of Environmental Health Hazard Assessment (OEHHA), 2005. Human-Exposure-Based Screening Numbers Developed to Aid Estimation of Cleanup Costs for Contaminated Soil. January.

2. Department of Toxic Substances Control, 2011b. "Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air," October 2011.

3. DTSC, 2013. Preliminary Endangerment Assessment Guidance Manual. October.

4. DTSC, 2014. "Office of Human and Ecological Risk (HERO) HHRA Note Number 1, Issue: Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Site and Permitted Facilities," 30 September.

5. EPA, 1989. Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A), Interim Final. December.

6. EPA, 1990. National Oil and Hazardous Substances Pollution Contingency Plan; Final Rule. 40 CFR Part 300.

7. EPA, 1992. Supplemental Guidance to RAGS: Calculating the Concentration Term. Publication 9285.7-08. May.

8. EPA, 1996. Soil Screening Guidance: Technical Background Document, Office of Emergency and Remedial Response. May.

9. EPA, 1997. Exposure Factors Handbook, Volumes I through III. Office of Research and Development. USEPA/600/D-95/002Fa through Fc. August.

10. EPA, 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Office of Solid Waste and Emergency Response. OSWER 9355.4-24. December.

11. USEPA, 2005. Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens; Risk Assessment Forum; EPA/630/R-03/003F; Washington, D.C. March.

12. USEPA, 2008. Handbook for Implementing Supplemental Cancer Guidance at Waste and Cleanup Sites; Office of Emergency and Remedial Response. http://www.epa.gov/oswer/riskassessment/sghandbook/index.htm.

13. EPA, 2009. "Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment), OSWER 9285.7-82, Office of Superfund Remediation and Technology Innovation," January.

14. EPA, 2013. Regional Screening Levels (RSL) Tables, November.

15. EPA, 2015. Regional Screening Levels User's Guide. June.

16. Haley & Aldrich, Inc., 2007a. Site-wide Soil and Soil Gas Investigation Report, Pratt &Whitney-Rocketdyne De Soto Avenue Facility, Canoga Park, California.

17. Haley & Aldrich, 2007b. "Addendum to Soil Remediation Action Plan No. 2 – Implementation Plan, Rocketdyne/Canoga Avenue Facility Building 038 Area, 21600 Vanowen Street, Canoga Park, California, SLIC No. 0237A, Site ID No. 2040214," dated 1 August 2007b.

18. Haley & Aldrich, 2008a. "Pratt & Whitney - Rocketdyne Canoga Avenue Facility, Building 038 Soil Remediation Report and Site Closure Request, 21600 Vanowen Street, Canoga Park, California, SLIC No. 0237A, Site ID No. 2040214," dated 18 January 2008.

19. Haley & Aldrich, 2008b. "Additional Investigation of Buildings 001 & 035 and WWTU Area Report, Pratt & Whitney Rocketdyne - Canoga Avenue Facility, 6633 Canoga Avenue - Canoga Park, California" dated 12 December 2008.

20. Haley & Aldrich, 2010a. "Report on Additional Investigation of TCE Impacts in Groundwater and Potential Source Area on North Side of Building 001, Pratt & Whitney Rocketdyne - Canoga Avenue Facility, 6633 Canoga Avenue - Canoga Park, California, SCP No. 0237A, Site ID No. 2040214," dated 23 February 2010.

21. Haley & Aldrich, 2010b. "Additional Investigation of Trichloroethene Impacts in Groundwater and Potential Source Area Inside North End of Building 001 and Helium Shed, Pratt & Whitney Rocketdyne, 6633 Canoga Avenue - Canoga Park, California" dated 13 July 2010

22. Haley & Aldrich, Inc., 2014a. "Soil Investigation of Canoga Avenue Facility Building 001 (Former Rocketdyne Facility), United Technologies Corporation, 6633 Canoga Avenue, Canoga Park, California, (SCP No. 0237A, Site ID No. 2040214)" dated 25 August 2014.

23. Haley & Aldrich, Inc., 2014b. "Investigation for Verification of Select Chemicals of Concern in Historical Soil and Soil Gas Samples, (Former Rocketdyne Facility), United Technologies Corporation, 6633 Canoga Avenue, Canoga Park, California, (SCP No. 0237A, Site ID No. 2040214)," dated 28 August 2014.

TABLES

TABLE I
SUMMARY OF EXPOSURE POINT CONCENTRATIONS (EPCs)
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Chemical	Maximum Detected Concentration in Shallow Soil - 0-15 feet bgs (mg/kg)	Maximum Detected Concentration in Soilgas ($\mu g/m^3$)
Antimony	10.7	
Arsenic	7.94	
Barium	387	
Beryllium	0.702	
Cadmium	5.15	
Chromium	32.7	
Chromium (VI)	1.8	
Cobalt	84.8	
Copper	2,940	
Lead	61.5	
Mercury	3	
Molybdenum	5.64	
Nickel	6090	
Selenium	7.75	
Vanadium	58.5	
Zinc	215	
Total PCBs	1	
Benzyl alcohol	0.89	
bis(2-Ethylhexyl)phthalate	3.92	
Butyl benzylphthalate	0.63	
Diethyl phthalate	0.268	
1,1,1-Trichloroethane	21.9	1,200,000
1,1,2-Trichloroethane	1.7	2,600
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.027	209,000
1,1-Dichloroethane	2.6	15,100
1,1-Dichloroethene	1.4	220,000
1,2-Dichloroethane	0.041	259
1,2,3-Trichloropropane	1.63	
1,2,4-Trimethylbenzene	1.9	11,800
1,3,5-Trimethylbenzene	0.541	1,390
2-Butanone	0.045	
Acetone	0.28	
Benzene	1.1	1,170
Bromodichloromethane		70
Bromoform		195
Carbon disulfide	0.0029	
Chlorobromomethane		58
Chloroethane		3,760
Chloroform	0.0064	1,530
cis-1,2-Dichloroethene	13.2	27,100
Dibromochloromethane		167
Dichlorodifluoromethane (CFC-12)	0.0016	810
Diisopropyl ether		176
Ethylbenzene	5.4	4,380
Isopropylbenzene	0.166	

TABLE I
SUMMARY OF EXPOSURE POINT CONCENTRATIONS (EPCs)
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Chemical	Maximum Detected Concentration in Shallow Soil - 0-15 feet bgs (mg/kg)	Maximum Detected Concentration in Soilgas ($\mu g/m^3$)
Isopropyltoluene	0.237	230
Methylene chloride (dichloromethane)	0.0013	
Methyl tert butyl ether (MTBE)		
Naphthalene	1.13	690
n-Butylbenzene		1,240
n-Propylbenzene	0.39	3,340
sec-Butlylbenzene	0.15	17,000
Styrene	0.0022	
Tetrachloroethene	940	460,000
Toluene (Methyl benzene)	24.9	6,620
trans-1,2-Dichlorethene	0.0871	350
Trichloroethene	166	70,400
Trichlorofluoromethane (CFC-11)		77,900
Vinyl chloride		40
Xylenes	11.2	720,000

Notes:
bgs = below ground surface
mg/kg = milligrams per kilogram
mg/m^3 = milligrams per cubic meter
$\mu g/m^3$ = micrograms per cubic meter

TABLE II
SUMMARY OF BACKGROUND METALS CONCENTRATIONS OBTAINED FROM THE LITERATURE AND SITE METALS COMPARISON
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Metals	Source: USGS 1984 Western U.S.				Source: Kearney Foundation 1996 California (50 Agricultural Soils Throughout California)				Source: Cal-EPA 1991 from Bradford et al., 1967 (50 Agricultural Soils Throughout California)				Source: Cal-EPA 1991 Southern California (69 Pristine Desert Soils and Sediments from the San Gorgonio Pass Area)				Source: Cal-EPA 1991 Southern California (69 Pristine Desert Soils and Sediments from the Maniobra Valley Area)				Source: Cal-EPA 1992 Southern California (23 Agricultural and Urban Sites in the Eastern and Southern Los Angeles Area)				Site-specific Background Concentration	Maximum Detected Concentration in Onsite Soil Samples
	Minimum	Geometric Mean	Arithmetic Mean	Maximum	Minimum	Geometric Mean	Arithmetic Mean	Maximum	Minimum	Geometric Mean	Arithmetic Mean	Maximum	Minimum	Geometric Mean	Arithmetic Mean	Maximum	Minimum	Geometric Mean	Arithmetic Mean	Maximum	Minimum	Geometric Mean	Arithmetic Mean	Maximum		
Antimony (Sb)	< 1	0.47	0.62	**2.6**	0.15	0.50	0.60	**1.95**	---	---	---	---	---	---	---	---	---	---	---	---	0.12	---	---	**1.90**	**3.35**	***10.7***
Arsenic (As)	< 0.10	5.5	7.0	**97**	0.6	2.8	3.5	**11.0**	1.4	6.2	7.8	**20.3**	2.0	---	4.6	**9.9**	9.9	---	16.4	**31.2**	1.8	---	---	**15.2**	**7.94**	7.94
Barium (Ba)	70	580	670	**5,000**	133	468	509	**1,400**	1.46	424	463	**974**	151	---	660	**911**	288	---	541	**692**	23	---	---	**560**	**387**	387
Beryllium (Be)	< 1	0.68	0.97	**15**	0.25	1.14	1.28	**2.70**	---	---	---	---	---	---	---	---	---	---	---	---	< 0.1	---	---	**1.2**	**0.702**	0.702
Cadmium (Cd)	---	---	---	---	0.05	0.26	0.36	**1.70**	0.04	0.15	0.19	**1.29**	0.07	---	0.19	**0.42**	0.04	---	0.20	**0.39**	0.05	---	---	**1.45**	**2.2**	***5.15***
Chromium (Cr)	3	41	56	**2,000**	23	76	122	**1,579**	23	76	122	**1,579**	4	---	16	**113**	11	---	24	**39**	5.8	---	---	**32.6**	**32.7**	32.7
Cobalt (Co)	< 3	7.1	9.0	**50**	2.7	12.6	14.9	**46.9**	2.7	12.6	14.8	**46.9**	1.9	---	5.0	**8.7**	ND	---	9.0	**16.9**	1.6	---	---	**23.2**	**11.4**	***84.8***
Copper (Cu)	2	21	27	**300**	9.1	24.0	28.7	**96.4**	9.9	33	42	**164.6**	6.0	---	14	**258**	13.1	---	24	**35.4**	3.8	---	---	**54.0**	**36.2**	***2,940***
Lead (Pb)	< 10	17	20	**700**	12.4	21.7	23.9	**97.1**	8.5	13.8	14.5	**28.7**	7.2	---	17.3	**54.5**	10.4	---	16.9	**20.9**	2.5	---	---	**189.4**	**61.5**	61.5
Mercury (Hg)	< 0.01	0.046	0.065	**4.6**	0.10	0.20	0.26	**0.90**	---	---	---	---	---	---	---	---	---	---	---	---	0.10	---	---	**0.60**	**3**	3
Molybdenum (Mo)	< 3	0.85	1.1	**7**	0.1	0.9	1.3	**9.6**	---	---	---	---	---	---	---	---	---	---	---	---	0.15	---	---	**1.40**	**5.64**	5.64
Nickel (Ni)	< 5	15	19	**700**	9	36	57	**509**	9	36	57	**509**	5.4	---	11	**17.3**	9.9	---	18	**25.1**	3.5	---	---	**28.2**	**43.9**	***6,090***
Selenium (Se)	< 0.1	0.23	0.34	**4.3**	0.015	0.028	0.058	**0.43**	< 0.1	0.26	0.36	**1.30**	---	---	---	---	---	---	---	---	---	---	---	---	**7.75**	7.75
Silver (Ag)	---	---	---	---	0.10	0.41	0.80	**8.30**	---	---	---	---	---	---	---	---	---	---	---	---	0.07	---	---	**0.75**	**--**	<1.0
Thallium (Th)	2.4	9.1	9.8	**31**	5.3	13.8	15.7	**36.2**	---	---	---	---	---	---	---	---	---	---	---	---	0.05	---	---	**35.0**	**--**	<1.0
Vanadium (V)	7	70	88	**500**	39	101	112	**288**	39	102	112	**288**	45	---	78	**188**	40	---	68	**98**	18	---	---	**84.8**	**58.5**	58.5
Zinc (Zn)	10	55	65	**2,100**	88	145	149	**236**	13	123	139	**354**	ND	---	30	**66**	21	---	45	**109**	10.3	---	---	**247**	**76**	***215***

Notes:
Concentrations in units of milligrams per kilogram (mg/kg)
--- = Not Evaluated
NA = Not applicable
Bold Italics - Maximum detected concentration in on-Site soil samples exceeds listed maximum reported background concentration
Background Sources:
USGS 1984: Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States, U.S. Geological Survey Professional Paper 1270 by H.T. Shackette and J. G. Boerngen (Western U.S. Data)
Kearney Foundation 1996: Background Concentrations of Trace and Major Elements in California Soils, Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California
Cal-EPA 1991: Background Levels of Trace Elements in Southern California Soils, Draft Annual Report, California Environmental Protection Agency, Contract No. 89-T0081 by University of California, Riverside, California, April 1991
Bradford, G.R., R.J. Arkley, P.F. Pratt, and F.L. Blair. 1967. Total Content of Nine Mineral Elements in Fifty Selected Benchmark Soils Profiles of California. Hilgardia 38:541-556.
Cal-EPA 1992: Background Levels of Trace Elements in Southern California Soils, Draft Annual Report, California Environmental Protection Agency, Contract No. 89-T0081 by University of California, Riverside, California, June 1992

TABLE III
SUMMARY OF JOHNSON & ETTINGER VAPOR INTRUSION MODEL DERIVED ATTENUATION FACTORS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Chemical	Attenuation Factor 5 feet bgs (unitless)
1,1-Dichloroethane	1.6E-04
1,1-Dichloroethene	1.7E-04
1,1,1-Trichloroethane	1.3E-04
1,1,2-Trichloro-1,2,2-trifluoroethane	7.6E-05
1,2-Dichloroethane	1.7E-04
1,1,2-Trichloroethane	1.4E-04
1,2,4-Trimethylbenzene	1.2E-04
1,3,5-Trimethylbenzene	1.2E-04
Benzene	1.7E-04
Bromodichloromethane	1.2E-04
Bromoform	8.6E-05
Chlorobromomethane	1.2E-04
Chloroethane	2.0E-04
Chloroform	1.5E-04
cis-1,2-dichloroethene	1.7E-04
Dibromochloromethane	8.3E-05
Dichlorodifluoromethane	1.5E-04
Diisopropyl ether	1.3E-04
Ethylbenzene	1.4E-04
Isopropyltoluene (surr=Isopropylbenzene)	1.2E-04
n-Butylbenzene	1.1E-04
n-Propylbenzene	1.2E-04
Napthalene	1.3E-04
sec-Butylbenzene	1.1E-04
Tetrachloroethene	1.0E-04
Toluene	1.5E-04
trans-1,2-Dichloroethene	1.7E-04
Trichloroethene	1.4E-04
Trichlorofluoromethane	1.3E-04
Vinyl Chloride	2.0E-04
Xylenes	1.4E-04

Notes:
bgs = below ground surface
ND = not detected above laboratory reporting limits at specific depth

TABLE IV

SUMMARY OF SOIL PHYSICAL PARAMETERS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

0 to 2 Feet Below Ground Surface

Soil Type by on Boring Log	Soil Classification using PTS Data		Boring ID	Depth (feet bgs)	Bulk Density (g/cc)	Total porosity %Vb	Water-filled Porosity	Fraction Organic Carbon
	USCS	USDA						
Fine sand	Silty sand (SM)	Loamy sand	DP0387-SS-0.5-1.5	0.7	1.41	0.45	0.09	0.0009
Fine sand	Silty sand (SM)	Sandy loam	DP0383-SS-0.5-1.2	0.9	1.26	0.52	0.14	0.0023
Sand	Well-graded sand w/silt (SP)	Sand	DP0379-SS-1-2-01	1.25	1.66	0.36	0.28	0.00225
				Averages:	1.44	0.45	0.17	0.002

2 to 5 Feet Below Ground Surface

Soil Type by on Boring Log	Soil Classification using PTS Data		Boring ID	Depth (feet bgs)	Bulk Density (g/cc)	Total porosity %Vb	Water-filled Porosity	Fraction Organic Carbon
	USCS	USDA						
Clay w/sand	Elastic silt/lean clay w/ sand (MH/CL)	Silty loam	DP0391-SS-0.5-1.5	0.9	1.44	0.44	0.33	0.0017
Clay	Elastic silt/elastic clay (MH/CH)	Silty clay	DP0383-SS-1.5-2.5	1.85	1.51	0.41	0.36	0.0082
Clay	Elastic silt/fat clay w/sand (MH/CH)	Clay loam	DP0387-SS-1.5-2.5	1.85	1.6	0.38	0.28	0.0049
Clay	Elastic silt/lean clay (MH/CL)	Silty clay loam	DP0391-SS-1.5-3	1.9	1.51	0.44	0.34	0.0080
Clay/silt	Sandy elastic silt (MH)	Medium loam	DP0379-SS-2-3-01	2.35	1.64	0.37	0.23	0.0019
Silty sand	Sandy silt (ML)	Medium loam	DP0387-SS-5-6	5.2	1.55	0.40	0.22	0.0013
Clay w/silt	Sandy silt (ML)	Medium loam	DP0375-SS-005-006	5.25	1.52	0.44	0.31	0.0009
Silt	Silt w/sand (ML)	Silty loam	DP0383-SS-005-006-01	5.35	1.38	0.47	0.22	0.0011
				Averages:	1.52	0.42	0.29	0.003

RECEPTOR EXPOSURE PARAMETERS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

EXPOSURE ASSUMPTIONS

Receptor: Hypothetical Future On-Site Construction Worker During Site Redevelopment (Adult)

Complete Pathways:

- Incidental ingestion of soil
- Dermal contact with soil
- Inhalation of VOCs in ambient air

Parameter	Reasonable Maximum Exposure (RME)
General Parameters:	
Body Weight (BW)	Value: 80 kg Rationale: Default value: DTSC 2014
Exposure Frequency (EF)	Value: 250 days/year (5 days per week for 50 weeks) Rationale: Default value: DTSC 2014, USEPA 1997, 2002, 2004; OEHHA 2005
Exposure Duration (ED)	Value: 1 year Rationale: Professional judgment, DTSC 2014
Averaging Time (AT)	Value: Carcinogenic Effects: 70 years (25,550 days) Noncarcinogenic Effects: AT = Exposure duration Rationale: Default value: DTSC 2014, USEPA 1997, 2002, 2004; OEHHA 2005;
Dermal Contact with Soil:	
Soil Adherence Factor (AF)	Value: 0.8 mg/cm^3 Rationale: Default value, DTSC 2014
Event Frequency (EV)	Value: 1 event/day Rationale: Default value, USEPA 2004, 2002
Skin Surface Area (SA)	Value: 6,032 cm^2 Rationale: Default value, DTSC 2014
Dermal Absorption Fraction (ABS_d)	Value: Chemical-specific Rationale: USEPA 2004, DTSC 2013, OEHHA 2005
Incidental Soil Ingestion:	
Ingestion Rate (IR_{soil})	Value: 330 mg/day Rationale: Default value: DTSC 2014; USEPA 2002; Based on 95th percentile value for adult soil intake rates and recommended screening-level value for construction workers

RECEPTOR EXPOSURE PARAMETERS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Parameter	Reasonable Maximum Exposure (RME)
Relative Absorption Factor (RAF)	Value: 1.0 Rationale: Assumed total dose is absorbed
Inhalation of Particulates/VOCs:	
Exposure Time:	Value: 8 hours/day Rationale: USEPA 2009

Receptor: Hypothetical Future On-Site Resident After Site Redevelopment (Child/Adult)

Complete Pathways:

- Incidental ingestion of vadose zone soil
- Dermal contact with vadose zone soil
- Inhalation of VOCs in ambient air
- Inhalation of VOCs in indoor air

Parameter	Reasonable Maximum Exposure (RME)
General Parameters:	
Body Weight (BW)	Value: 15 kg (child/teen); 80 kg (adult) Rationale: DTSC 2014
Exposure Frequency (EF)	Value: 350 days/yr Rationale: DTSC 2013, 2014
Exposure Duration (ED)	Value: 6 years (Child); 20 years (Adult) Rationale: DTSC 2014
Averaging Time (AT)	Value: Carcinogenic Effects: 70 years (25,550 days) Noncarcinogenic Effects: AT = Exposure duration Rationale: Default value used in USEPA risk assessments and derivation of cancer slope factors and unit risks, USEPA 1997, 2002, 2004; OEHHA 2005; DTSC 2014
Dermal Contact with Soil:	
Soil Adherence Factor (AF)	Value: 0.2 mg/cm^2 (Child); 0.07 mg/cm^2 (Adult) Rationale: Default value used in USEPA risk assessments, USEPA 1996a, b; 2002, DTSC 2014
Event Frequency (EV)	Value: 1 event/day Rationale: USEPA 2004
Skin Surface Area (SA)	Value: 2,900 cm^2 (Child); 6,032 cm^2 (Adult) Rationale: DTSC 2014

RECEPTOR EXPOSURE PARAMETERS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Parameter	**Reasonable Maximum Exposure (RME)**
Dermal Absorption Fraction (ABS_d)	Value: Chemical-specific Rationale: USEPA 2004, DTSC 2013, OEHHA 2005
Incidental Soil Ingestion:	
Ingestion Rate (IR_{soil})	Value: 200 mg/day (Child); 100 mg/day (Adult) Rationale: Default value used in USEPA risk assessments, USEPA 1996a, b; 2002, DTSC 2014
Relative Absorption Factor (RAF)	Value: 1.0 Assumed total dose is absorbed.
Inhalation of Particulates/VOCs:	
Exposure Time:	Value: 24 hours/day Rationale: USEPA 2009

REFERENCES

California Environmental Protection Agency (Cal/EPA), Department of Toxic Substance Control (DTSC), 2014. Office of Human and Ecological Risk (HERO) HHRA Note Number: 1 titled "Recommended DTSC Default Exposure Factors for Use in Risk Assessment in California Hazardous Waste Site and Permitted Facilities," 30 September.

DTSC, 2013. Preliminary Endangerment Assessment Guidance Manual. October (revision).

OEHHA, 2005. Human-Exposure-Based Screening Numbers Developed to Aid Estimation of Cleanup Costs for Contaminated Soil. January (revision).

U.S. Environmental Protection Agency (USEPA), 1991. Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors. Office of Emergency and Remedial Response. NTIS PB91-921314. March.

USEPA, 1997. Exposure Factors Handbook, Volumes I through III. Office of Research and Development. EPA/600/D-95/002Fa through Fc. August.

USEPA, 1996a. Soil Screening Guidance: Technical Background Document, Second Edition. Office of Emergency and Remedial Response. Publication 9355.4-17A. May.

USEPA, 1996b. Soil Screening Guidance: User's Manual. Office of Solid Waste and Emergency Response. Publication 9355.4.23. July.

USEPA, 2002. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Office of Solid Waste and Emergency Response. OSWER 9355.4-24. December.

USEPA, 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment). Office of Emergency and Remedial Response. July.

USEPA, 2009. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment), January.

TABLE VI
CHEMICAL TOXICITY VALUES
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Chemical	RfCi ($\mu g/m^3$)	Reference	RfDo (mg/kg-day)	Reference	SFo $(mg/kg\text{-}day)^{-1}$	Reference	IUR $(\mu g/m3)^{-1}$	Reference
VOCs								
1,1,2-Trichloro-1,2,2-trifluoroethane	3.0E+04	d	3.0E+01	e	na	e	na	d
1,1,1-Trichloroethane	1.0E+03	b	2.0E+00	e	na	e	na	d
1,1-Dichloroethane	7.0E+02	d	2.0E-01	e	5.7E-03	a	1.6E-06	a
1,1-Dichloroethene	7.0E+01	b	5.0E-02	e	na	e	na	d
1,2,3-Trichloropropane	3.0E-01	d	4.0E-03	e	3.0E+01	e	8.6E-03	d
1,2-Dichloroethane	4.0E+02	a	6.0E-03	e	4.7E-02	a	2.1E-05	a
1,1,2-Trichloroethane	1.4E+01	d	4.0E-03	e	7.2E-02	a	1.6E-05	a
1,2,4-Trimethylbenzene	7.0E+00	d	na	e	na	e	na	d
1,3,5-Trimethylbenzene	6.0E+00	d	1.0E-02	e	na	e	na	e
2-Butanone	5.0E+03	d	6.0E-01	e	na	e	na	e
Acetone	3.1E+04	d	9.0E-01	e	na	e	na	e
Benzene	3.0E+01	d	4.0E-03	e	1.0E-01	a	2.9E-05	a
bis(2-Ethylhexyl)phthalate	na	e	2.0E-02	e	1.4E-02	e	2.4E-06	e
Bromodichloromethane	7.0E+01	d	2.0E-02	e	1.3E-01	a	3.7E-05	a
Bromoform	7.0E+01	d	2.0E-02	e	1.1E-02	a	1.1E-06	d
Butyl benzylphthalate	na	e	2.0E-01	e	1.9E-03	e	na	e
Carbon Disulfide	8.0E+02	b	1.0E-01	e	na	e	na	d
Chlorobromomethane	4.0E+01	e	na	e	na	e	na	e
Chloroethane	3.0E+04	b	na	e	na	e	1.3E-06	d
Chloroform	3.0E+02	b	1.0E-02	e	3.1E-02	a	5.3E-06	a
Cis-1,2 - Dichloroethene	3.5E+01	d	2.0E-03	e	na	e	na	d
Dibromochloromethane	na	e	2.0E-02	e	9.4E-02	a	2.7E-05	a
Dichlorodifluoromethane	1.0E+02	e	2.0E-01	e	na	e	na	e
Diethyl phthalate	na	e	8.0E-01	e	na	e	na	e
Diisopropyl ether	7.0E+02	e	na	e	na	e	na	e

TABLE VI
CHEMICAL TOXICITY VALUES
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Chemical	RfCi ($\mu g/m^3$)	Reference	RfDo (mg/kg-day)	Reference	SFo $(mg/kg\text{-}day)^{-1}$	Reference	IUR $(\mu g/m3)^{-1}$	Reference
Ethylbenzene	2.0E+03	b	1.0E-01	e	1.1E-02	a	2.5E-06	a
Isopropylbenzene	4.0E+02	e	1.0E-01	e	na	e	na	e
Methylene chloride	4.0E+02	b	6.0E-03	e	1.4E-02	a	1.0E-06	a
Methyl Tertiary Butyl Ether	8.0E+03	b	na	e	1.8E-03	a	2.6E-07	a
n-Butylbenzene	na	e	5.0E-02	e	na	e	na	e
n-Propylbenzene	1.0E+03	e	1.0E-01	e	na	e	na	e
Naphthalene	9.0E+00	a	2.0E-02	e	na	e	3.4E-05	a
sec-Butylbenzene	na	e	5.0E-02	e	na	e	na	e
Styrene	9.0E+02	a	2.0E-01	e	na	e	na	d
Tetrachloroethylene	3.5E+01	b	6.0E-03	e	5.4E-01	a	5.9E-06	a
Toluene	3.0E+02	b	8.0E-02	e	na	e	na	d
Trans-1,2-Dichloroethene	6.0E+01	d	2.0E-02	e	na	e	na	d
Trichloroethene	2.0E+00	e	5.0E-04	e	4.6E-02	a	4.1E-06	e
Trichlorofluoromethane	7.0E+02	d	3.0E-01	e	na	e	na	e
Vinyl chloride	1.0E+02	d	3.0E-03	e	2.7E-01	a	7.8E-05	a
M,P-Xylene	7.0E+02	a	2.0E-01	e	na	e	na	e
O-Xylene	7.0E+02	a	2.0E-01	e	na	e	na	e
Xylenes (total)	7.0E+02	b	2.0E-01	e	na	e	na	d
PCBs								
Total PCBs	na	a	2.0E-05	e	2.0E+00	a	5.7E-04	a
METALS								
Antimony	na	e	4.0E-04	e	na	e	na	e
Arsenic	1.5E-02	a	3.5E-06	a	9.5E+00	a	3.3E-03	a
Barium	5.0E-01	e	2.0E-01	e	na	e	na	e

TABLE VI
CHEMICAL TOXICITY VALUES
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Chemical	RfCi ($\mu g/m^3$)	Reference	RfDo (mg/kg-day)	Reference	SFo $(mg/kg\text{-}day)^{-1}$	Reference	IUR $(\mu g/m3)^{-1}$	Reference
Beryllium	7.0E-03	a	2.0E-03	a	8.4E+00	a	2.4E-03	a
Cadmium	2.0E-02	a	5.0E-04	e	na	e	4.2E-04	a
Chromium VI	2.0E-01	a	2.0E-02	c	na	a	1.5E-01	a
Cobalt	6.0E-03	e	3.0E-04	e	na	e	9.0E-03	e
Copper	na	e	4.0E-02	e	na	e	na	e
Mercury	3.0E-02	a	1.6E-04	a	na	e	na	e
Molybdenum	na	e	5.0E-03	e	na	e	na	e
Nickel	1.4E-02	a	1.1E-02	a	9.1E-01	a	2.6E-04	a
Selenium	2.0E+01	a	5.0E-03	a	na	e	na	e
Silver	na	e	5.0E-03	e	na	e	na	e
Total Chromium	na	e	1.5E+00	e	na	e	na	e
Vanadium	1.0E-01	e	5.0E-03	e	na	e	na	e
Zinc	na	e	3.0E-01	e	na	e	na	e

Reference:
a. Cal/EPA, OEHHA, Toxicity Criteria Database , http://www.oehha.ca.gov/risk/chemicalDB/index.asp
b. Cal/EPA, OEHHA, Chronic Reference Exposure Levels (RELs) for Airborne Toxicants, January 2014, http://www.oehha.ca.gov/air/Allrels.htm
c. Cal/EPA, Air Resources Board (ARB), Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, 3 February 2014, http://www.arb.ca.gov/toxics/healthval/healthval.htm
d. Cal/EPA, DTSC, Soil Gas Screening (SG-SCREEN) Johnson & Ettinger (J&E) vapor intrusion model (Version 2.0, dated February 2003), toxicity updated March 2014, http://www.dtsc.ca.gov/AssessingRisk/JE_Models.cfm
e. USEPA, Region 9, Regional Screening Levels (RSL) Tables, November 2013, http://www.epa.gov/region09/superfund/prg

Notes:
SFo = Oral Slope Factor
IUR = Inhalation Unit Risk
RfDo = Oral Reference Dose
RfCi = Inhalation Reference Concentration

TABLE VII
SUMMARY OF RISK CHARACTERIZATION RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

RECEPTOR	PATHWAY	ILCR	HI
Future On-Site Construction Worker	Soil Ingestion and Dermal Contact	5×10^{-6}	0.62
	Inhalation of Particulates (non-volatiles)	9×10^{-7}	1.0
	Inhalation of Volatiles (in Ambient Air)	7×10^{-6}	0.47
	Total	1×10^{-5}	2.1
Future On-Site Resident	Soil Ingestion and Dermal Contact	9×10^{-3}	20
	Inhalation of Particulates (non-volatiles)	8×10^{-7}	0.33
	Inhalation of Volatiles (in Ambient Air)	8×10^{-4}	19
	Inhalation of Volatiles (in Indoor Air)	1×10^{-4}	7.1
	TOTAL	1×10^{-2}	46

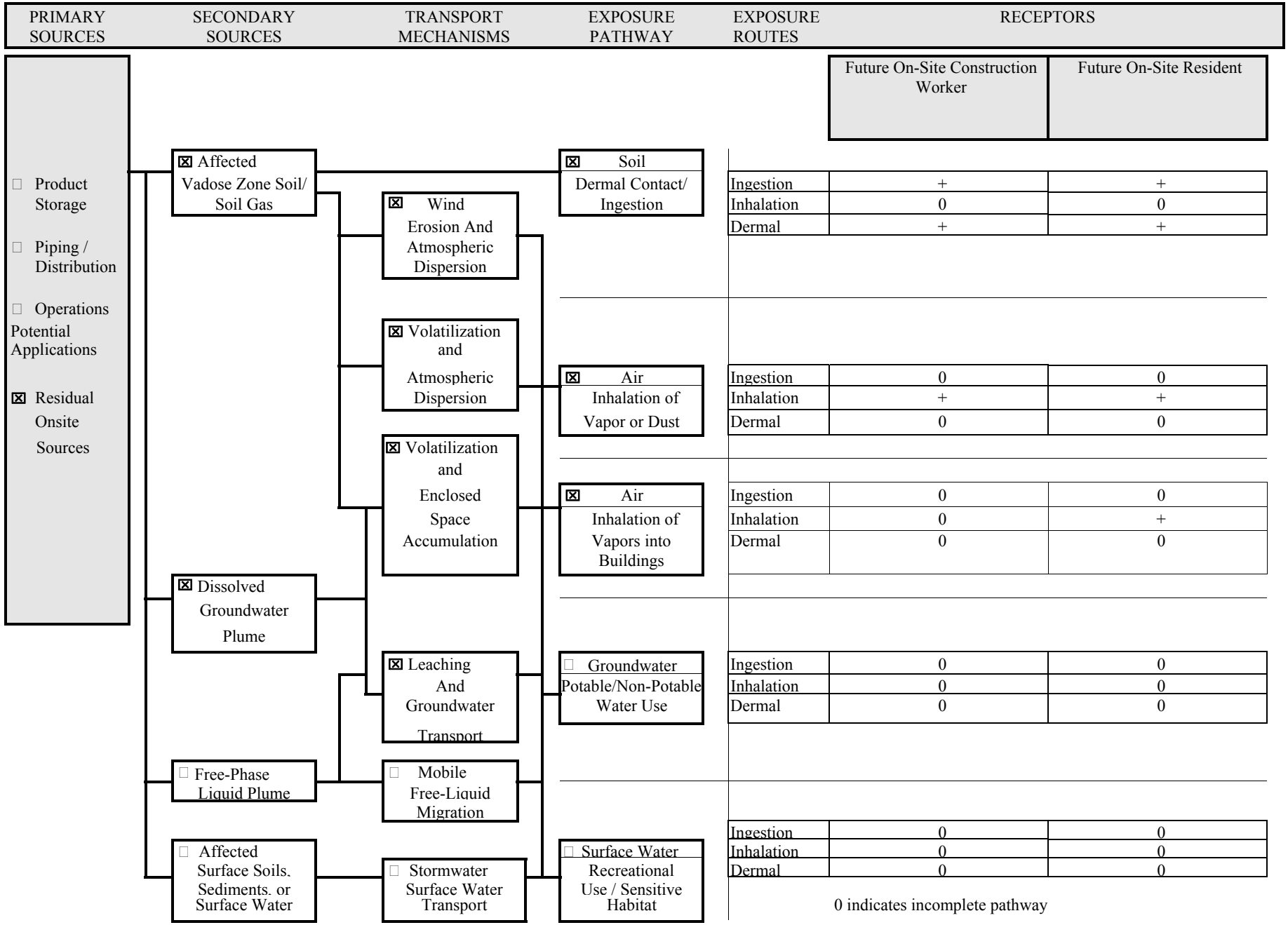
Notes:
ILCR = Incremental Lifetime Cancer Risk
HI = Hazard Index

TABLE VIII
PROPOSED HEALTH PROTECTION LEVELS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Compound	Health Protective Levels
SOIL (mg/kg)	
Antimony	3.35
Cobalt	11.4
Copper	58
Nickel	43.9
Bis(2-ethylhexyl)phthalate	2
PCBs	0.12
1,1-Dichloroethane	0.25
1,1,1-Trichloroethane	8.6
1,1,2-Trichloroethane	0.1
1,2,3-Trichloropropane	<0.002
1,2,4-Trimethylbenzene	0.0022
1,3,5-Trimethylbenzene	0.053
Benzene	0.011
cis-1,2-Dichloroethene	0.3
Ethylbenzene	0.33
Napthalene	0.2
Tetrachloroethene	0.1
Toluene	14
Trichloroethene	0.1
Xylenes	2.9
SOIL GAS (ug/m^3)	
1,1-Dichloroethane	151
1,1-Dichloroethene	55,000
1,2-Dichloroethane	12.9
1,1,2-Trichloroethane	21.7
Benzene	13.4
Bromodichloromethane	8.75
Chloroethane	188
Chloroform	76.5
Dibromochloromethane	20.9
Ethylbenzene	110
Napthalene	34.5
Tetrachloroethene	153
Trichloroethene	117
Vinyl Chloride	4
Xylenes	240,000

Notes:
mg/kg = milligrams per kilogram
ug/m^3 = micrograms per meter cubed

FIGURES



UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA
CONCEPTUAL SITE MODEL

FIGURE 1

APPENDIX A

Soil Gas and Soil Analytical Results

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	001-2	001-3	001-3	001-4	001-5	002-1	002-1	002-3	002-4	002-5	002-6
Sample Date	07/31/1993	07/31/1993	07/31/1993	07/31/1993	07/31/1993	08/06/1993	08/06/1993	08/06/1993	08/06/1993	08/06/1993	08/06/1993
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	10 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)
Sample Name	SG-1-2-5	001-3_07311993_5	001-3_07311993_5.01	SG-1-4-5	001-5_07311993_5	SG-2-1-5	SG-2-1-10	SG-2-3-5	SG-2-4-5	SG-2-5-5	SG-2-6-5
Total Petroleum Hydrocarbons (ug/m3)											
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)											
1,1,1-Trichloroethane	**9000**	**100000**	**120000**	**260000**	**13000**	**1000**	**1000**	**1000**	**800**	**300**	**2000**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ND (16000)	**7000**	ND (1600000)	**100000**	**32000**	ND (16000)	ND (16000)	**4000**	ND (16000)	ND (16000)	ND (16000)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (40000)	ND (8000)	ND (4000000)	ND (40000)	ND (8000)	ND (40000)	ND (40000)	ND (40000)	ND (40000)	ND (40000)	ND (40000)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**1000**	**2000**	**6000**	**2000**	**7000**	**14000**	**13000**	**12000**	**2000**	**15000**	**600**
Toluene	-	-	-	-	-	ND (70000)	ND (70000)	ND (70000)	ND (70000)	ND (70000)	ND (70000)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (3000)	**70**	ND (320000)	**300**	**300**	**100**	**200**	**200**	ND (3000)	ND (3000)	**700**
Trichlorofluoromethane (CFC-11)	**100**	**10**	ND (45000)	**20**	**200**	**1000**	**1000**	**800**	**600**	**600**	**1000**
Trifluorotrichloroethane (Freon 113)	**700**	**2000**	ND (580000)	**35000**	**61000**	**6000**	**6000**	**4000**	**700**	**15000**	**10000**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	002-7	009-1	009-1	009-1	009-2	009-2	009-2	009-2	009-3	009-4	035-2	035-3
Sample Date	08/06/1993	08/03/1993	08/03/1993	08/03/1993	08/03/1993	08/04/1993	08/04/1993	08/04/1993	08/04/1993	08/04/1993	08/05/1993	08/05/1993
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 (ft)	5.01 (ft)	10 - 10.5 (ft)	5 (ft)	5 (ft)	5.01 (ft)	5.02 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)
Sample Name	SG-2-7-5	SG-9-1-5A	SG-9-1-5B	SG-9-1-10	SG-9-2-5-AIR A	SG-9-2-5-AIRB	SG-9-2-5A	SG-9-2-5B	SG-9-3-5	SG-9-4-5	SG-35-2-5	SG-35-3-5A
Total Petroleum Hydrocarbons (ug/m3)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)												
1,1,1-Trichloroethane	**7000**	**160000**	**170000**	**150000**	**30**	**30**	**93000**	**120000**	**9000**	**8000**	**70**	**1000**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	**12000**	**27000**	**20000**	**25000**	ND (30)	ND (30)	**13000**	**18000**	ND (16000)	ND (16000)	ND (3000)	**4000**
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (40000)	ND (40000)	-	ND (800000)	ND (80)	ND (80)	ND (40000)	ND (800000)	ND (40000)	ND (40000)	ND (8000)	ND (8000)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**16000**	ND (300)	-	**1000**	**2**	**5**	**30**	-	ND (300)	**100**	**900**	**56000**
Toluene	ND (70000)	-	-	-	-	-	-	-	-	-	ND (14000)	ND (14000)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	**4000**	ND (3000)	-	**7000**	**0.6**	**0.6**	ND (3000)	ND (64000)	**600**	ND (3000)	ND (600)	**100**
Trichlorofluoromethane (CFC-11)	**700**	**20**	ND (9000)	ND (9000)	**20**	**20**	**10**	ND (9000)	**20**	**20**	**4**	**9**
Trifluorotrichloroethane (Freon 113)	**4000**	**4000**	**3000**	**4000**	**3**	**1**	**2000**	**3000**	**10000**	**1000**	**10**	ND (1000)
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	035-3	037-1	037-1	037-1	037-1	037-1	037-1	037-1	037-1	037-5	037-5	037-6
Sample Date	08/05/1993	07/27/1993	07/27/1993	07/27/1993	07/27/1993	07/27/1993	07/27/1993	07/28/1993	07/28/1993	07/28/1993	07/28/1993	07/28/1993
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5.01 (ft)	3 (ft)	3.01 (ft)	3.02 (ft)	5 (ft)	5.01 (ft)	5.02 (ft)	10.01 (ft)	10.01 (ft)	5 (ft)	5.01 (ft)	5.01 (ft)
Sample Name	SG-35-3-5B	SG-37-1-3-AIRA	SG-37-1-3A	SG-37-1-3B	SG-37-1-5-30SE	SG-37-1-5-60SE	SG-37-1-5-90SE	SG-37-1-10	SG-37-1-10-AIR	SG-37-5-5A	SG-37-5-5B	SG-37-6-5-AIR A
Total Petroleum Hydrocarbons (ug/m3)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)												
1,1,1-Trichloroethane	**3000**	**2**	**28000**	**55000**	**34000**	**55000**	**55000**	**80000**	ND (100)	**3000**	**6000**	**2**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ND (320000)	ND (3)	ND (30)	ND (1000)	ND (1000)	ND (1000)	ND (1000)	ND (16000)	ND (3000)	ND (16000)	ND (1600000)	ND (30)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (800000)	-	-	-	-	-	-	ND (40000)	ND (8000)	ND (40000)	ND (4000000)	ND (80)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**70000**	**2**	**2000**	**2000**	**1000**	**2000**	**2000**	**2000**	**50**	**2000**	**4000**	**0.8**
Toluene	ND (1400000)	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (64000)	**0.8**	**30000**	**34000**	**17000**	**34000**	**32000**	**47000**	ND (600)	**56000**	**77000**	ND (6)
Trichlorofluoromethane (CFC-11)	ND (9000)	**2**	-	**15000**	**10000**	**15000**	**16000**	**11000**	ND (90)	**1000**	**2000**	**2**
Trifluorotrichloroethane (Freon 113)	ND (1000)	ND (0.2)	ND (2)	**300000**	**240000**	**310000**	**310000**	**680000**	ND (1000)	**2000000**	**6700000**	**4**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	037-6	037-6	037-7	037-7	037-7	037-8	037-9	037-10	037-11	037-11	037-12	037-13
Sample Date	07/29/1993	07/29/1993	07/29/1993	08/05/1993	08/06/1993	07/29/1993	07/29/1993	07/29/1993	07/29/1993	07/29/1993	07/29/1993	07/29/1993
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5.01 (ft)	5.01 (ft)	5 (ft)	5 (ft)	5 (ft)	4 (ft)	4 (ft)	4 (ft)	5 (ft)	5.01 (ft)	5 (ft)	4.01 (ft)
Sample Name	SG-37-6-5	SG-37-6-5-AIRB	SG-37-7-5	SG-37-7-5-AIR A	SG-37-7-5-AIR B	SG-37-8-4	SG-37-9-4	SG-37-10-4	SG-37-11-5A	SG-37-11-5B	SG-37-12-5	SG-37-13-4-AIR
Total Petroleum Hydrocarbons (ug/m3)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)												
1,1,1-Trichloroethane	**100**	**8**	**3000**	**4**	**100**	**60**	**50**	**20**	**12000**	**14000**	**59000**	**20**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ND (16000)	ND (30)	ND (16000)	ND (30)	-	ND (3000)	ND (16000)	ND (3000)	ND (3000)	ND (16000)	ND (1600000)	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (40000)	ND (80)	ND (40000)	**300**	ND (80)	ND (8000)	ND (40000)	ND (8000)	ND (8000)	ND (40000)	ND (4000000)	ND (80)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**50**	**2**	**200**	**0.1**	**7**	**4**	ND (300)	**20**	**300**	**300**	ND (33000)	**0.4**
Toluene	-	-	-	ND (100)	ND (100)	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (3000)	**0.3**	**700**	ND (6)	**0.6**	**60**	ND (3000)	ND (600)	**100**	**3000**	ND (320000)	ND (6)
Trichlorofluoromethane (CFC-11)	**80**	**2**	**50**	**2**	**3**	**9**	**20**	**20**	**40**	**8**	**4000**	**2**
Trifluorotrichloroethane (Freon 113)	**16000**	**70**	**42000**	**0.6**	**7**	**2000**	**9000**	**800**	**360000**	**670000**	**4600000**	**40**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	037-13	037-13	037-14	037-14	037-15	037-16	037-16	037-17	037-18	037-18	037-18	037-18
Sample Date	07/30/1993	07/30/1993	07/30/1993	07/30/1993	07/30/1993	07/30/1993	07/30/1993	07/30/1993	08/01/1993	08/02/1993	08/02/1993	08/08/1993
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4.01 (ft)	4.01 (ft)	5 (ft)	10 (ft)	5 (ft)	4 (ft)	4.01 (ft)	4 (ft)	5.01 (ft)	5.01 (ft)	5.01 (ft)	10 (ft)
Sample Name	SG-37-13-4	SG-37-13-4-AIRB	SG-37-14-5	SG-37-14-10	SG-37-15-5	SG-37-16-4A	SG-37-16-4B	SG-37-17-4	SG-37-18-5-AIR	SG-37-18-5	SG-37-18-5-AIRB	SG-37-18-10
Total Petroleum Hydrocarbons (ug/m3)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)												
1,1,1-Trichloroethane	**10**	**6**	**2000**	**6000**	**80**	**4000**	**5000**	**300**	**2**	**2000**	**3**	**2000**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ND (3000)	-	ND (3000)	ND (3000)	ND (3000)	ND (3000)	ND (16000)	ND (16000)	ND (30)	ND (16000)	-	**13000**
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (8000)	ND (80)	ND (8000)	ND (8000)	ND (8000)	ND (8000)	ND (40000)	ND (40000)	ND (80)	ND (40000)	**400**	ND (40000)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (6)	**4**	**60**	**70**	ND (60)	**600**	**400**	ND (300)	**0.6**	**300**	**2**	**200**
Toluene	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (600)	ND (6)	**100**	ND (600)	**70**	**19000**	**20000**	ND (3000)	ND (6)	**500**	ND (6)	**600**
Trichlorofluoromethane (CFC-11)	**3**	**2**	**30**	**400**	**6**	**2000**	**2000**	**3000**	**2**	**100**	**2**	**200**
Trifluorotrichloroethane (Freon 113)	**3000**	**7**	**18000**	**240000**	**200**	**380000**	**730000**	**43000**	**10**	**440000**	**0.7**	**520000**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	037-19	037-2	037-2	037-2	037-20	037-21	037-22	037-22	037-22	037-22	037-23	037-24
Sample Date	08/02/1993	07/28/1993	08/07/1993	08/08/1993	08/02/1993	08/02/1993	08/02/1993	08/02/1993	08/02/1993	08/02/1993	08/02/1993	08/02/1993
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4 (ft)	5 (ft)	5 (ft)	5 (ft)	4 (ft)	3.5 (ft)	5 (ft)	10 (ft)	10.01 (ft)	14 (ft)	4 (ft)	5 (ft)
Sample Name	SG-37-19-4	SG-37-2-5	SG-37-2-5-AIR A	SG-37-2-5-AIR B	SG-37-20-4	SG-37-21-3.5	SG-37-22-5	SG-37-22-10A	SG-37-22-10B	SG-37-22-14	SG-37-23-4	SG-37-24-5A
Total Petroleum Hydrocarbons (ug/m3)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)												
1,1,1-Trichloroethane	**100**	**35000**	**3**	**2**	**300**	**100**	**22000**	**270000**	**200000**	**3000**	**600**	**170000**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ND (16000)	ND (16000)	ND (30)	ND (30)	ND (16000)	ND (16000)	ND (16000)	ND (16000)	ND (1600000)	ND (16000)	ND (16000)	ND (16000)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (40000)	ND (40000)	ND (80)	ND (80)	ND (40000)	ND (40000)	ND (40000)	ND (40000)	ND (40000)	ND (40000)	ND (40000)	**3400000**
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**200**	**2000**	**1**	**0.8**	**300**	ND (300)	**10000**	**53000**	**33000**	**700**	**4000**	**32000**
Toluene	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (3000)	**18000**	ND (6)	ND (6)	**60000**	**4000**	**220000**	**2200000**	**1500000**	**27000**	**45000**	**1100000**
Trichlorofluoromethane (CFC-11)	**30**	**8000**	**2**	**2**	**7000**	**60**	**2000**	**45000**	**34000**	**300**	**500**	**70000**
Trifluorotrichloroethane (Freon 113)	**2000**	**120000**	**2**	**0.7**	**140000**	**42000**	**8000**	**110000**	**110000**	**2000**	**2000**	**190000**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	037-24	037-24	037-25	037-25	037-25	037-26	037-26	037-26	037-27	037-28	037-29	037-3
Sample Date	08/02/1993	08/03/1993	08/02/1993	08/02/1993	08/04/1993	08/02/1993	08/03/1993	08/03/1993	08/08/1993	08/03/1993	08/03/1993	07/28/1993
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5.01 (ft)	4 (ft)	5 (ft)	5.01 (ft)	10 (ft)	4.01 (ft)	4.01 (ft)	4.01 (ft)	10 (ft)	3 (ft)	4 (ft)	5 (ft)
Sample Name	SG-37-24-5B	SG-37-27-4	SG-37-25-5A	SG-37-25-5B	SG-37-25-10	SG-37-26-4-AIR	SG-37-26-4	SG-37-26-4-AIRB	SG-37-27-10	SG-37-28-3	SG-37-29-4	SG-37-3-5
Total Petroleum Hydrocarbons (ug/m3)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)												
1,1,1-Trichloroethane	**210000**	**9000**	**450000**	**590000**	**240000**	**5**	**4000**	**6**	**200**	**600**	ND (600)	**600**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ND (1600000)	**190000**	ND (16000)	ND (1600000)	**600000**	-	ND (1600000)	-	ND (16000)	ND (16000)	ND (16000)	ND (16000)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	**4000000**	**6300000**	**740000**	ND (4000000)	ND (4000000)	ND (80)	ND (4000000)	**400**	**200000**	ND (40000)	ND (40000)	ND (40000)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**28000**	**6000**	**92000**	**120000**	**30000**	**1**	**6000**	**5**	**200**	ND (300)	**60**	**600**
Toluene	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	**1200000**	**200000**	**3300000**	**4200000**	**1600000**	**0.6**	**36000**	ND (6)	**9000**	**3000**	**4000**	**31000**
Trichlorofluoromethane (CFC-11)	**70000**	**21000**	**110000**	**120000**	**43000**	**2**	**10000**	**2**	**600**	ND (400)	ND (400)	**48000**
Trifluorotrichloroethane (Freon 113)	**220000**	**68000**	**290000**	**350000**	**94000**	**0.6**	ND (580000)	**8**	**3000**	ND (6000)	ND (6000)	**76000**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	037-30	037-30	037-31	037-32	037-33	037-33	037-34	037-34	037-35	037-36	037-36	037-38
Sample Date	08/03/1993	08/03/1993	08/03/1993	08/03/1993	08/03/1993	08/03/1993	08/04/1993	08/04/1993	08/04/1993	08/07/1993	08/07/1993	08/07/1993
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4 (ft)	4.01 (ft)	4 (ft)	5 (ft)	5 (ft)	5.01 (ft)	5 (ft)	10 (ft)	10 (ft)	5 (ft)	5.01 (ft)	5 (ft)
Sample Name	SG-37-30-4A	SG-37-30-4B	SG-37-31-4	SG-37-32-5	SG-37-33-5A	SG-37-33-5B	SG-37-34-5	SG-37-34-10	SG-37-35-5	SG-37-36-5A	SG-37-36-5B	SG-37-38-5
Total Petroleum Hydrocarbons (ug/m3)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)												
1,1,1-Trichloroethane	**32000**	**38000**	**60**	ND (600)	**4000**	**8000**	**13000**	**5000**	**4000**	**200**	ND (12000)	**50**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	**250000**	**360000**	ND (16000)	ND (16000)	**87000**	**120000**	ND (1600000)	ND (1600000)	ND (1600000)	**350000**	**400000**	**140000**
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (8000)	ND (4000000)	ND (40000)	ND (40000)	**6100000**	ND (4000000)	ND (4000000)	ND (4000000)	ND (4000000)	ND (40000)	ND (800000)	**560000**
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**19000**	**12000**	ND (300)	ND (300)	**2000**	ND (33000)	**4000**	ND (33000)	ND (33000)	**500**	**2000**	**60**
Toluene	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	**820000**	**800000**	**600**	**4000**	**490000**	**440000**	**44000**	ND (320000)	ND (320000)	**4000**	ND (64000)	**9000**
Trichlorofluoromethane (CFC-11)	**27000**	**34000**	**50**	**30**	**4000**	**4000**	ND (45000)	ND (45000)	ND (45000)	**400**	**400**	**400**
Trifluorotrichloroethane (Freon 113)	**40000**	**57000**	ND (6000)	ND (6000)	**14000**	**18000**	**7000000**	**78000**	**6100000**	**680000**	**790000**	**70000**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	037-39	037-4	037-4	037-40	037-40	037-41	037-42	037-42	037-42	037-43	DP0001A
Sample Date	08/07/1993	07/28/1993	07/28/1993	08/07/1993	08/07/1993	08/07/1993	08/08/1993	08/08/1993	08/08/1993	08/08/1993	11/11/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 (ft)	5.01 (ft)	5 (ft)	5.01 (ft)	5 (ft)	5 (ft)	5.01 (ft)	10 (ft)	5 (ft)	13 (ft)
Sample Name	SG-37-39-5	SG-37-4-5A	SG-37-4-5B	SG-37-40-5A	SG-37-40-5B	SG-37-41-5	SG-37-42-5A	SG-37-42-5B	SG-37-42-10	SG-37-43-5	DP0001A-SG-013-01
Total Petroleum Hydrocarbons (ug/m3)											
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)											
1,1,1-Trichloroethane	**600**	**100**	**100**	**20000**	**30000**	**40000**	**600**	ND (61000)	**4000**	**2000**	ND (10)
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	ND (10)
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	ND (10)
1,1-Dichloroethene	**32000**	ND (16000)	ND (16000)	**21000**	**70000**	ND (1600000)	**190000**	ND (1600000)	ND (1600000)	**53000**	ND (10)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (10)
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	ND (10)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (10)
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	ND (10)
Benzene	ND (40000)	ND (40000)	ND (40000)	**720000**	ND (4000000)	ND (4000000)	**730000**	ND (4000000)	ND (4000000)	**270000**	ND (10)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-	ND (10)
Bromoform	-	-	-	-	-	-	-	-	-	-	ND (10)
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-	ND (10)
Chloroethane	-	-	-	-	-	-	-	-	-	-	ND (10)
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-	ND (10)
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	ND (10)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	ND (10)
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-	ND (10)
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	ND (10)
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-	ND (10)
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-	ND (10)
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-	ND (10)
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	ND (10)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (300)	**300**	**700**	**700**	**6000**	ND (33000)	**800**	ND (33000)	ND (33000)	**300**	**47400**
Toluene	-	-	-	-	-	-	-	-	-	-	ND (10)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	ND (10)
Trichloroethene	ND (3000)	**37000**	**42000**	**4000**	ND (320000)	ND (320000)	**5000**	ND (320000)	ND (320000)	**14000**	ND (10)
Trichlorofluoromethane (CFC-11)	ND (400)	**7000**	**7000**	**100**	ND (45000)	**12000**	**2000**	**2000**	ND (45000)	ND (400)	ND (10)
Trifluorotrichloroethane (Freon 113)	**420000**	**530000**	**540000**	**260000**	**8600000**	**5200000**	**1900000**	**3700000**	**150000**	**340000**	**90**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	ND (10)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0002	DP0003	DP0004	DP0004A	DP0005A	DP0006A	DP0007A	DP0008	DP0009
Sample Date	10/20/2005	10/20/2005	10/20/2005	11/11/2005	11/10/2005	11/10/2005	11/11/2005	10/21/2005	10/20/2005
Sample Type	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	9 (ft)	9 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	9 (ft)	9 (ft)
Sample Name	DP0002-SG-009-01	DP0003-SG-009-01	DP0004-SG-009-01	DP0004A-SG-013-01	DP0005A-SG-013-01	DP0006A-SG-013-01	DP0007A-SG-013-01	DP0008-SG-009-01	DP0009-SG-009-01
Total Petroleum Hydrocarbons (ug/m3)									
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)									
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	**460**	**457**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**5730**	**13600**	**105000**	**95700**	**116000**	**245000**	**349000**	**906**	**6080**
Toluene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**3570**	ND (10)	ND (10)	ND (10)
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**12**	ND (10)
Trichlorofluoromethane (CFC-11)	**73**	**87**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**275**	**82**
Trifluorotrichloroethane (Freon 113)	**493**	**541**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**1560**	**1190**
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0009	DP0010	DP0011	DP0012	DP0013	DP0016	DP0020	DP0021	DP0021	DP0022
Sample Date	10/20/2005	10/20/2005	10/20/2005	10/20/2005	11/11/2005	10/21/2005	10/21/2005	10/24/2005	10/24/2005	10/24/2005
Sample Type	FD	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)
Sample Name	DP0009-SG-009-02	DP0010-SG-009-01	DP0011-SG-009-01	DP0012-SG-009-01	DP0013-SG-009-01	DP0016-SG-009-01	DP0020-SG-009-01	DP0021-SG-009-01	DP0021-SG-009-02	DP0022-SG-009-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**262**	ND (10)	**73**
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	ND (10)	**304**	**414**	**379**	**370**	ND (10)	**299**	**346**	**368**	**423**
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**5930**	**59200**	**6470**	**8740**	**4650**	**538**	**9610**	**682**	**676**	**4370**
Toluene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**382**	**243**	**237**
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**1560**	ND (10)	ND (10)	ND (10)	ND (10)
Trichlorofluoromethane (CFC-11)	**97**	**47**	ND (10)	ND (10)	**598**	ND (10)	ND (10)	ND (10)	**86**	ND (10)
Trifluorotrichloroethane (Freon 113)	**1240**	**430**	**357**	**230**	**400**	**166**	**293**	ND (10)	ND (10)	ND (10)
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0023	DP0024	DP0025	DP0026	DP0027	DP0028	DP0029	DP0030	DP0034	DP0035
Sample Date	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/24/2005	10/24/2005
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)
Sample Name	DP0023-SG-009-01	DP0024-SG-009-01	DP0025-SG-009-01	DP0026-SG-009-01	DP0027-SG-009-01	DP0028-SG-009-01	DP0029-SG-009-01	DP0030-SG-009-01	DP0034-SG-009-01	DP0035-SG-009-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**30**	ND (10)	ND (10)
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	**424**	**481**	**414**	**395**	**294**	**298**	ND (10)	**435**	**394**	**328**
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**660**	**9160**	**3030**	**4270**	**8130**	**5440**	**9280**	**6820**	**15200**	**6070**
Toluene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**14**
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	ND (10)	ND (10)	ND (10)	**184**	**844**	**144**	**29**	ND (10)	**1950**	**28**
Trichlorofluoromethane (CFC-11)	**21**	**54**	ND (10)	ND (10)	ND (10)	ND (10)	**908**	**72**	ND (10)	ND (10)
Trifluorotrichloroethane (Freon 113)	**100**	**641**	**696**	**2910**	**2150**	**1880**	**9090**	**542**	**3540**	**137**
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0036	DP0038	DP0039	DP0043	DP0043	DP0044	DP0046	DP0047	DP0048	DP0050
Sample Date	10/24/2005	10/25/2005	10/24/2005	11/10/2005	11/10/2005	10/24/2005	10/25/2005	10/25/2005	10/25/2005	11/10/2005
Sample Type	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)
Sample Name	DP0036-SG-009-01	DP0038-SG-009-01	DP0039-SG-009-01	DP0043-SG-009-01	DP0043-SG-009-02	DP0044-SG-009-01	DP0046-SG-009-01	DP0047-SG-009-01	DP0048-SG-009-01	DP0050-SG-009-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**133**	**22**	ND (10)
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	**63**	**140**	ND (10)	ND (10)	ND (10)	ND (10)	**60**
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	ND (10)	ND (10)	**20**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	ND (10)	**312**	ND (10)	**310**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**1440**	**4940**	**6740**	**2450**	**3350**	**3700**	**2010**	**3050**	**1850**	**3800**
Toluene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	ND (10)	**68**	**10**	**40**	**110**	ND (10)	**296**	**118**	ND (10)	**25**
Trichlorofluoromethane (CFC-11)	ND (10)	ND (10)	ND (10)	**310**	**250**	ND (10)	ND (10)	ND (10)	**184**	**77900**
Trifluorotrichloroethane (Freon 113)	ND (10)	**71**	ND (10)	ND (10)	ND (10)	**32**	ND (10)	ND (10)	**31**	ND (10)
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0051	DP0052	DP0053	DP0054	DP0056	DP0060	DP0060	DP0060	DP0061	DP0062
Sample Date	10/25/2005	10/25/2005	10/25/2005	10/25/2005	11/10/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/21/2005
Sample Type	N	N	N	N	N	N	FD	FD	N	N
Sample Depth (bgs)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)
Sample Name	DP0051-SG-009-01	DP0052-SG-009-01	DP0053-SG-009-01	DP0054-SG-009-01	DP0056-SG-009-01	DP0060-SG-009-01 1I	DP0060-SG-009-02 3P	DP0060-SG-009-03 7I	DP0061-SG-009-01	DP0062-SG-009-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**12**	ND (10)
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**82**	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	**58**	ND (10)	ND (10)	ND (10)	ND (10)	**273**	**96**	**51**	ND (10)	**311**
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**410**	**333**
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	**350**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**1820**	**2400**	**255**	**294**	**300**	**3520**	**5220**	**6890**	**13700**	**3240**
Toluene	ND (10)	ND (10)	ND (10)	ND (10)	**3780**	**144**	ND (10)	ND (10)	ND (10)	**564**
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	**51**	ND (10)	ND (10)	ND (10)	ND (10)	**714**	**780**	**874**	**16**	**206**
Trichlorofluoromethane (CFC-11)	ND (10)	ND (10)	ND (10)	ND (10)	**330**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trifluorotrichloroethane (Freon 113)	**1580**	ND (10)	ND (10)	ND (10)	**1190**	ND (10)	ND (10)	ND (10)	**298**	**284**
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (10)	ND (10)	ND (10)	ND (10)	**820**	ND (10)	ND (10)	ND (10)	ND (10)	**538**

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0062	DP0063	DP0064	DP0065	DP0066	DP0067	DP0067	DP0068	DP0069	DP0070
Sample Date	10/21/2005	10/20/2005	11/10/2005	11/10/2005	11/11/2005	11/10/2005	11/10/2005	10/26/2005	10/25/2005	10/26/2005
Sample Type	FD	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)
Sample Name	DP0062-SG-009-02	DP0063-SG-009-01	DP0064-SG-009-01	DP0065-SG-009-01	DP0066-SG-009-01	DP0067-SG-009-01	DP0067-SV-009-01DI	DP0068-SG-009-01	DP0069-SG-009-01	DP0070-SG-009-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**78.6**	ND (10)	ND (10)	**17900**
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	**801**
1,1-Dichloroethene	**59**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	**6740**
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**62.7**	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**85.7**	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)
Chloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**91.1**	ND (10)	ND (10)	**16**
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	**338**	**380**	ND (10)	ND (10)	ND (10)	ND (10)	ND (2)	ND (10)	ND (10)	**440**
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**117**	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	**310**	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (5)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-	**121**	-	-	-
Tetrachloroethene	**3400**	**9240**	**4020**	**2230**	**2980**	**4290**	**10200**	**1470**	**612**	**31100**
Toluene	**451**	ND (10)	**34**	ND (10)	ND (10)	**170**	**812**	ND (10)	ND (10)	**286**
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)
Trichloroethene	**134**	**580**	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	**9220**
Trichlorofluoromethane (CFC-11)	ND (10)	**178**	**1040**	**510**	**164**	**880**	**460**	ND (10)	ND (10)	**2020**
Trifluorotrichloroethane (Freon 113)	**368**	**36**	ND (10)	ND (10)	**206**	**1990**	**3240**	ND (10)	ND (10)	**170000**
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1)	ND (10)	ND (10)	ND (10)
Xylene (total)	**558**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0071	DP0075	DP0077	DP0078	DP0079	DP0081	DP0083	DP0084	DP0084	DP0085
Sample Date	10/26/2005	10/26/2005	10/25/2005	10/26/2005	10/26/2005	10/25/2005	10/26/2005	10/26/2005	10/26/2005	10/25/2005
Sample Type	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)
Sample Name	DP0071-SG-009-01	DP0075-SG-009-01	DP0077-SG-009-01	DP0078-SG-009-01	DP0079-SG-009-01	DP0081-SG-009-01	DP0083-SG-009-01	DP0084-SG-009-01	DP0084-SG-009-02	DP0085-SG-009-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	ND (10)	ND (10)	**40**	**288**	ND (10)	**28**	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	**32**	**21**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**104**	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	ND (10)	ND (10)	**304**	**310**	ND (10)	**330**	ND (10)	ND (10)	ND (10)	**299**
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**910**	**15600**	**687**	**2630**	**1080**	**479**	**1970**	**2520**	**2680**	**8790**
Toluene	ND (10)	ND (10)	**144**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	ND (10)	**110**	**250**	**200**	**33**	**122**	**142**	**424**	**450**	ND (10)
Trichlorofluoromethane (CFC-11)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trifluorotrichloroethane (Freon 113)	ND (10)	ND (10)	ND (10)	**594**	**284**	**633**	**72**	ND (10)	ND (10)	**253**
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (10)	ND (10)	**399**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0086	DP0087	DP0088	DP0089	DP0089	DP0090	DP0090	DP0091	DP0094	DP0097
Sample Date	11/11/2005	11/10/2005	11/10/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	12/28/2005
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	13 (ft)	5 (ft)	13 (ft)	13 (ft)	9 (ft)	15 (ft)
Sample Name	DP0086-SG-013-01	DP0087-SG-013-01	DP0088-SG-013-01	DP0089-SG-013-01	DP0089-SV-013-01DI	DP0090-SG-005-01	DP0090-SG-013-01	DP0091-SG-013-01	DP0094-SG-009-01	DP0097-SG-015-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (1)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	ND (10)	**310**	ND (10)	ND (10)	ND (2)	ND (10)	ND (10)	ND (10)	**475**	ND (10)
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	ND (2)	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	ND (1)	-	-	-	-	-
Tetrachloroethene	**142000**	**196000**	**80200**	**64600**	**442000**	**1090**	**5710**	**28600**	**10400**	**22900**
Toluene	ND (10)	**170**	ND (10)	ND (10)	ND (1)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	ND (10)	ND (10)	ND (10)	**30**	ND (1.5)	ND (10)	ND (10)	ND (10)	ND (10)	**10000**
Trichlorofluoromethane (CFC-11)	ND (10)	**140**	ND (10)	ND (10)	**396**	ND (10)	ND (10)	ND (10)	**68**	**108**
Trifluorotrichloroethane (Freon 113)	ND (10)	**510**	ND (10)	**200**	**2040**	ND (10)	ND (10)	ND (10)	**755**	**940**
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (1)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0111	DP0111	DP0111	DP0112	DP0112	DP0113	DP0113	DP0114	DP0114	DP0115	DP0115
Sample Date	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/28/2005	12/29/2005
Sample Type	N	N	FD	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	15 (ft)	15 (ft)	5 (ft)	15 (ft)	5 (ft)	15 (ft)	5 (ft)	15 (ft)	15 (ft)	5 (ft)
Sample Name	DP0111-SG-005-01	DP0111-SG-015-01	DP0111-SG-015-02	DP0112-SG-005-01	DP0112-SG-015-01	DP0113-SG-005-01	DP0113-SG-015-01	DP0114-SG-005-01	DP0114-SG-015-01	DP0115-SG-015-01	DP0115-SG-005-01
Total Petroleum Hydrocarbons (ug/m3)											
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)											
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**63**
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	ND (10)	**31**	ND (10)	ND (10)	ND (10)	**30**	ND (10)	ND (10)	**38**	ND (10)	**53**
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**120**	ND (10)
Dichlorodifluoromethane (CFC-12)	ND (10)	**154**	ND (10)	**216**	ND (10)	**199**	**196**	**151**	**158**	ND (10)	ND (10)
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**4620**	**7820**	**8530**	**26300**	**6370**	**9610**	**4820**	**5790**	**8600**	**10600**	**3030**
Toluene	**164**	**214**	**204**	**266**	**360**	**333**	**651**	**202**	**210**	**125**	**301**
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	**2460**	**2840**	**2710**	**124**	ND (10)	**130**	**120**	**128**	**130**	**1620**	**164**
Trichlorofluoromethane (CFC-11)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**195**	**62**	**228**	**116**	**10**	**58**
Trifluorotrichloroethane (Freon 113)	**108**	**156**	**89**	**343**	**96**	**208**	**221**	**319**	**372**	**668**	**530**
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0116	DP0116	DP0116	DP0117	DP0117	DP0118	DP0118	DP0119	DP0119
Sample Date	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005
Sample Type	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 (ft)	15 (ft)	5 (ft)	15 (ft)	5 (ft)	15 (ft)	5 (ft)	15 (ft)
Sample Name	DP0116-SG-005-01	DP0116-SG-005-02	DP0116-SG-015-01	DP0117-SG-005-01	DP0117-SG-015-01	DP0118-SG-005-01	DP0118-SG-015-01	DP0119-SG-005-01	DP0119-SG-015-01
Total Petroleum Hydrocarbons (ug/m3)									
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)									
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	**35**	ND (10)	ND (10)	**42**	**56**	**27**	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	**90**	**110**	**102**	ND (10)	**97**	ND (10)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	ND (10)	ND (10)	ND (10)	**120**	**130**	ND (10)	ND (10)	ND (10)	**112**
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**854**	**5940**	**11700**	**850**	**1290**	**752**	**9690**	**4060**	**45200**
Toluene	**157**	**103**	**348**	**230**	**222**	**196**	**418**	**166**	**150**
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	**177**	**1080**	**272**	**2670**	**2500**	**247**	**254**	**151**	**138**
Trichlorofluoromethane (CFC-11)	**268**	**727**	ND (10)	ND (10)	ND (10)	ND (10)	**38**	ND (10)	ND (10)
Trifluorotrichloroethane (Freon 113)	**533**	**1520**	**1650**	**420**	**1670**	**57**	**1020**	**127**	**788**
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0120	DP0120	DP0121	DP0121	DP0122	DP0123
Sample Date	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/29/2005
Sample Type	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	15 (ft)	5 (ft)	15 (ft)	15 (ft)	15 (ft)
Sample Name	DP0120-SG-005-01	DP0120-SG-015-01	DP0121-SG-005-01	DP0121-SG-015-01	DP0122-SG-015-01	DP0123-SG-015-01
Total Petroleum Hydrocarbons (ug/m3)						
Total Petroleum Hydrocarbons	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)						
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-
Tetrachloroethene	**8550**	**28200**	**14300**	**15600**	**5370**	**3250**
Toluene	**234**	**264**	**164**	**160**	**278**	**296**
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	**2880**	**4860**	**8090**	**12400**	**63000**	**33000**
Trichlorofluoromethane (CFC-11)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trifluorotrichloroethane (Freon 113)	**242**	**220**	**480**	**560**	**1250**	**962**
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0124	DP0124	DP0126	DP0126	DP0127	DP0128
Sample Date	12/29/2005	12/29/2005	12/29/2005	12/29/2005	03/21/2006	03/21/2006
Sample Type	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	15 (ft)	5 (ft)	15 (ft)	5 (ft)	4 (ft)
Sample Name	DP0124-SG-005-01	DP0124-SG-015-01	DP0126-SG-005-01	DP0126-SG-015-01	DP0127-SG-005-01	DP0128-SG-004-01
Total Petroleum Hydrocarbons (ug/m3)						
Total Petroleum Hydrocarbons	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)						
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	**31100**	**36000**
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	**1230**	**2300**
1,1-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Chloroethane	ND (10)	ND (10)	ND (10)	ND (10)	**189**	**190**
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	ND (10)	**160**	**146**
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Ethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-
Tetrachloroethene	**1010**	**1770**	**1220**	**2780**	**48500**	**28600**
Toluene	**278**	**266**	**174**	**238**	ND (20)	**640**
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Trichloroethene	**876**	**1250**	**902**	**1450**	**9370**	**5050**
Trichlorofluoromethane (CFC-11)	ND (10)	ND (10)	ND (10)	ND (10)	**24500**	**22600**
Trifluorotrichloroethane (Freon 113)	ND (10)	**308**	ND (10)	**746**	**209000**	**204000**
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)
Xylene (total)	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0133	DP0135	DP0136	DP0138	DP0141
Sample Date	03/17/2006	03/17/2006	03/21/2006	03/21/2006	03/17/2006
Sample Type	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)
Sample Name	DP0133-SG-005-01	DP0135-SG-005-01	DP0136-SG-005-01	DP0138-SG-005-01	DP0141-SG-005-01
Total Petroleum Hydrocarbons (ug/m3)					
Total Petroleum Hydrocarbons	-	-	-	-	-
Volatile Organic Compounds (ug/m3)					
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-
Tetrachloroethene	ND (20)	ND (20)	**5810**	ND (20)	ND (20)
Toluene	**370**	ND (20)	**271**	ND (20)	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	**38**	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	ND (20)	**246**	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0142	DP0143	DP0144	DP0145	DP0146	DP0147	DP0148
Sample Date	03/21/2006	03/21/2006	03/16/2006	03/16/2006	03/17/2006	03/16/2006	03/16/2006
Sample Type	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	3 (ft)	5 (ft)	5 (ft)
Sample Name	DP0142-SG-005-01	DP0143-SG-005-01	DP0144-SG-005-01	DP0145-SG-005-01	DP0146-SG-003-01	DP0147-SG-005-01	DP0148-SG-005-01
Total Petroleum Hydrocarbons (ug/m3)							
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)							
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**324**
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**464**
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**447**
m&p-Xylene	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-
Tetrachloroethene	ND (20)	**961**	**2500**	**1210**	**40**	ND (20)	**196**
Toluene	**316**	**332**	ND (20)	ND (20)	ND (20)	ND (20)	**124**
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**480**
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**883**

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0149	DP0149	DP0151	DP0155	DP0156	DP0156	DP0157	DP0159	DP0161
Sample Date	03/16/2006	03/16/2006	03/21/2006	03/21/2006	03/21/2006	03/21/2006	03/16/2006	03/16/2006	03/16/2006
Sample Type	N	FD	N	N	N	FD	N	N	N
Sample Depth (bgs)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)
Sample Name	DP0149-SG-005-01	DP0149-SG-005-02	DP0151-SG-005-01	DP0155-SG-005-01	DP0156-SG-005-01	DP0156-SG-005-02	DP0157-SG-005-01	DP0159-SG-005-01	DP0161-SG-005-01
Total Petroleum Hydrocarbons (ug/m3)									
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)									
1,1,1-Trichloroethane	ND (20)	ND (20)	**16000**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	**15100**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	**5090**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	**3760**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**1530**
cis-1,2-Dichloroethene	ND (20)	ND (20)	**27100**	ND (20)	ND (20)	ND (20)	ND (20)	**1680**	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**271**	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**7010**	**8160**	**167000**	**4950**	**3900**	**4260**	**75**	ND (20)	ND (20)
Toluene	ND (20)	ND (20)	**6620**	**255**	**328**	**312**	**381**	**2010**	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	**70400**	ND (20)	**48**	**49**	ND (20)	**3370**	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**40**	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**596**	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0162	DP0163	DP0164	DP0164	DP0166	DP0171	DP0172	DP0172	DP0173
Sample Date	03/17/2006	03/17/2006	03/17/2006	03/17/2006	03/21/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006
Sample Type	N	N	N	FD	N	N	N	FD	N
Sample Depth (bgs)	3 (ft)	3 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)
Sample Name	DP0162-SG-003-01	DP0163-SG-003-01	DP0164-SG-005-01	DP0164-SG-005-02	DP0166-SG-005-01	DP0171-SG-005-01	DP0172-SG-005-01	DP0172-SG-005-02	DP0173-SG-005-01
Total Petroleum Hydrocarbons (ug/m3)									
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)									
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	**36**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**2550**	**11300**	**12600**	**5860**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	**962**	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0175	DP0176	DP0177	DP0178	DP0179	DP0179	DP0180	DP0181	DP0182	DP0183
Sample Date	03/15/2006	03/15/2006	03/15/2006	03/22/2006	03/22/2006	03/22/2006	03/22/2006	03/22/2006	03/22/2006	03/22/2006
Sample Type	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)
Sample Name	DP0175-SG-005-01	DP0176-SG-005-01	DP0177-SG-005-01	DP0178-SG-005-01	DP0179-SG-005-01	DP0179-SG-005-02	DP0180-SG-005-01	DP0181-SG-005-01	DP0182-SG-005-01	DP0183-SG-005-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	**341**	**356**	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	**227**	**257**	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	**48**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**5670**	**1720**	**594**	**173**	**14900**	**15600**	**1290**	**11100**	**551**	**1760**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	**102**	**48**	**257**	ND (20)	**29**	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	**388**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0184	DP0185	DP0186	DP0187	DP0188	DP0189	DP0190	DP0191	DP0192	DP0193
Sample Date	03/22/2006	03/22/2006	03/22/2006	03/22/2006	03/22/2006	03/22/2006	03/22/2006	03/22/2006	03/22/2006	03/22/2006
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)
Sample Name	DP0184-SG-005-01	DP0185-SG-005-01	DP0186-SG-005-01	DP0187-SG-005-01	DP0188-SG-005-01	DP0189-SG-005-01	DP0190-SG-005-01	DP0191-SG-005-01	DP0192-SG-005-01	DP0193-SG-005-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**2210**	**1690**	**282**	**67**	**354**	**290**	**1380**	**622**	ND (20)	**790**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**52**	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**177**	**342**	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0194	DP0195	DP0196	DP0197	DP0198	DP0199	DP0209	DP0209	DP0211	DP0211
Sample Date	03/22/2006	03/22/2006	03/22/2006	03/22/2006	03/22/2006	04/27/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 (ft)	3.5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	12 (ft)	5 (ft)	12 (ft)
Sample Name	DP0194-SG-005-01	DP0195-SG-005-01	DP0196-SG-003.5-0	DP0197-SG-005-01	DP0198-SG-005-01	DP0199-SG-005-01	DP0209_SG_005_01	DP0209_SG_012_01	DP0211_SG_005_01	DP0211_SG_012_01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	**1200**	**1310**
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	**100**
1,1-Dichloroethene	ND (20)	**312**	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	**61**	ND (10)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	**49**	ND (10)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	**330**	**331**
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**819**	**14600**	ND (20)	**7610**	**3620**	**286**	**1410**	**280**	**66100**	**28900**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**120**	**110**	**420**	ND (10)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	ND (20)	**3520**	ND (20)	ND (20)	ND (20)	ND (20)	**95**	**90**	**6890**	**5930**
Trichlorofluoromethane (CFC-11)	ND (20)	**200**	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	**2300**	**2850**
Trifluorotrichloroethane (Freon 113)	ND (20)	**1130**	ND (20)	ND (20)	ND (20)	**36**	ND (10)	ND (10)	**5190**	**17100**
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0212	DP0212	DP0213	DP0213	DP0213	DP0214	DP0214	DP0215	DP0215	DP0216
Sample Date	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006
Sample Type	N	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	12 (ft)	5 (ft)	5 (ft)	12 (ft)	5 (ft)	12 (ft)	5 (ft)	12 (ft)	5 (ft)
Sample Name	DP0212_SG_005_01	DP0212_SG_012_01	DP0213_SG_005_01	DP0213_SG_005_02	DP0213_SG_012_01	DP0214_SG_005_01	DP0214_SG_012_0	DP0215_SG_005_0	DP0215_SG_012_01	DP0216_SG_005_01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**290**	**1440**	**300**	ND (10)	ND (10)	**220**	**240**	ND (10)	ND (10)	ND (10)
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,1-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromodichloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Bromoform	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chlorobromomethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**58**	ND (10)	ND (10)	ND (10)	ND (10)
Chloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	**310**	ND (10)	ND (10)	ND (10)	ND (10)	**310**	ND (10)	**290**	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dibromochloromethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Dichlorodifluoromethane (CFC-12)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Diisopropyl ether	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Ethylbenzene	**1370**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Butylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
n-Propylbenzene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**1370**	**30700**	**13800**	**14800**	**1120**	**1100**	**2470**	**1860**	**370**	**110**
Toluene	**740**	**410**	**210**	**231**	**360**	**330**	**270**	**250**	**470**	**64**
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Trichloroethene	**670**	**1280**	**420**	**445**	**250**	**820**	**540**	ND (10)	ND (10)	**120**
Trichlorofluoromethane (CFC-11)	**480**	**2100**	**720**	**747**	**570**	**860**	**1270**	**280**	**270**	**180**
Trifluorotrichloroethane (Freon 113)	**3530**	**18200**	**47900**	**4960**	**4340**	ND (10)	**9340**	ND (10)	**1890**	ND (10)
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0217	DP0217	DP0227	DP0227	DP0227	DP0230	DP0230	DP0233	DP0233	DP0234
Sample Date	05/24/2006	05/24/2006	09/06/2006	09/06/2006	09/06/2006	09/06/2006	09/06/2006	09/06/2006	09/06/2006	09/06/2006
Sample Type	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	12 (ft)	5 (ft)	12 (ft)	12 (ft)	5 (ft)	12 (ft)	5 (ft)	12 (ft)	5 (ft)
Sample Name	DP0217_SG_005_01	DP0217_SG_012_01	DP0227_SG_005_01	DP0227_SG_012_01	DP0227_SG_012_02	DP0230_SG_005_01	DP0230_SG_012_01	DP0233_SG_005_01	DP0233_SG_012_0:	DP0234_SG_005_01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	**66**	ND (10)	**62**	ND (20)	ND (20)	**32**	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	**314**	ND (10)	**203**	ND (20)	ND (20)	**130**	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	**581**	**264**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (10)	ND (10)	**41**	**309**	**311**	ND (20)	**371**	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**1580**	**1870**	**1060**	**1130**	**1140**	**10100**	**15**	**12100**	**11300**	**1530**
Toluene	**60**	ND (10)	**258**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**38**
trans-1,2-Dichloroethene	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (10)	ND (10)	**5560**	**6550**	**6810**	ND (20)	ND (20)	**32**	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (10)	ND (10)	**288**	ND (20)	ND (20)	**184**	**44**	**544**	**1480**	**560**
Trifluorotrichloroethane (Freon 113)	**39800**	**33500**	**898**	**759**	**778**	**238**	**177**	**2170**	**7080**	**1480**
Vinyl chloride	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (10)	ND (10)	ND (20)	**194**	**280**	ND (20)	**570**	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0234	DP0235	DP0235	DP0236	DP0236	DP0237	DP0237	DP0238	DP0238	DP0239
Sample Date	09/06/2006	09/06/2006	09/06/2006	09/06/2006	09/06/2006	09/06/2006	09/06/2006	09/06/2006	09/06/2006	10/01/2008
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	12 (ft)	5 (ft)	12 (ft)	5 (ft)	12 (ft)	5 (ft)	12 (ft)	5 (ft)	12 (ft)	5 (ft)
Sample Name	DP0234_SG_012_01	DP0235_SG_005_01	DP0235_SG_012_01	DP0236_SG_005_01	DP0236_SG_012_01	DP0237_SG_005_01	DP0237_SG_012_01	DP0238_SG_005_01	DP0238_SG_012_0	DP0239-SG-005-01 1F
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	**1120**	**6620**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	**37**	ND (20)	**70**	ND (20)	ND (20)	ND (20)	**40**	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	**104**	**116**	ND (20)	**33**	ND (20)	**102**	ND (20)	**145**	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**145**
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	**56**	ND (20)	ND (20)	ND (20)	**33**	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	**308**	ND (20)	**366**	**334**	**352**	ND (20)	**363**	ND (20)	**349**	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**5010**	**15000**	**14800**	**11700**	**61500**	**3900**	**7030**	**6700**	**15000**	**316**
Toluene	ND (20)	**44**	ND (20)	**33**	ND (20)	**100**	ND (20)	**96**	ND (20)	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	**28**	ND (20)	**110**	**760**	**5640**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	**1100**	**482**	**464**	**438**	**2590**	**178**	ND (20)	**198**	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	**4050**	**1990**	**3330**	**7250**	**32200**	**346**	**117**	**870**	**770**	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	**566**	**564**	ND (20)	ND (20)	**720**	ND (20)	**379**	**371**	**367**	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0239	DP0239	DP0239	DP0239	DP0239	DP0240	DP0240	DP0241	DP0241	DP0241
Sample Date	10/01/2008	10/01/2008	10/01/2008	10/01/2008	10/01/2008	10/01/2008	10/01/2008	10/01/2008	10/01/2008	10/01/2008
Sample Type	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	5 (ft)	5 (ft)	9 (ft)	9 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	5 (ft)	9 (ft)
Sample Name	DP0239-SG-005-01 3I	DP0239-SG-005-01 7P	DP0239-SG-009-01 1P	DP0239-SG-009-01 3D	DP0239-SG-009-01 7I	DP0240-SG-005-01	DP0240-SG-009-01	DP0241-SG-005-01	DP0241-SG-005-01 DUI	DP0241-SG-009-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**137**	**138**	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	**141**	**141**	ND (20)	ND (20)	ND (20)	**155**	ND (20)	**149**	**149**	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**401**	**753**	ND (20)	ND (20)	ND (20)	**1960**	**227**	**3650**	**4170**	ND (20)
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0242	DP0242	DP0243	DP0243	DP0244	DP0244	DP0244	DP0245	DP0245	DP0246
Sample Date	10/01/2008	10/01/2008	10/01/2008	10/01/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008
Sample Type	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)
Sample Name	DP0242-SG-005-01	DP0242-SG-009-01	DP0243-SG-005-01	DP0243-SG-009-01	DP0244-SG-005-01	P0244-SG-005-01 DU	DP0244-SG-009-01	DP0245-SG-005-01	DP0245-SG-009-01	DP0246-SG-005-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (20)	ND (20)	**26**	**23**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	**156**	ND (20)	**144**	ND (20)	**195**	**169**	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	**157**	ND (20)	**152**	ND (20)	**167**	**153**	ND (20)	**137**	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**1900**	**187**	**9740**	**6390**	**530**	**827**	ND (20)	**64**	ND (20)	**449**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**4830**
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0246	DP0247	DP0247	DP0248	DP0248	DP0249	DP0249	DP0253	DP0253	DP0254
Sample Date	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/03/2008	10/03/2008	10/03/2008
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)
Sample Name	DP0246-SG-009-01	DP0247-SG-005-01	DP0247-SG-009-01	DP0248-SG-005-01	DP0248-SG-009-01	DP0249-SG-005-01	DP0249-SG-009-01	DP0253-SG-005-01	DP0253-SG-009-01	DP0254-SG-005-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**1700**
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**377**	**282**	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**965**	**3420**	**2000**	**2850**	**1550**	**2470**	**3120**	**1390**	**614**	**3390**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**122**	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	**9830**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**134**	**148**
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0254	DP0255	DP0256	DP0256	DP0256	DP0256	DP0257	DP0257	DP0258	DP0258
Sample Date	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/07/2008	10/07/2008	10/07/2008	10/07/2008
Sample Type	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	9 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	5 (ft)
Sample Name	DP0254-SG-009-01	DP0255-SG-005-01	DP0256-SG-005-01 1F	DP0256-SG-005-01 3F	DP0256-SG-005-01 7P	DP0256-SG-009-0	DP0257-SG-005-0	DP0257-SG-009-0	DP0258-SG-005-0	258-SG-005-01 D
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**571**	**192**	ND (20)	**23**	ND (20)	**78**	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**662**	**2830**	**2930**	**3530**	**3380**	**7290**	**2250**	**905**	**7330**	**8910**
Toluene	**23**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	**63**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0258	DP0259	DP0259	DP0260	DP0260	DP0260	DP0261	DP0261	DP0262	DP0262
Sample Date	10/07/2008	10/06/2008	10/06/2008	10/03/2008	10/03/2008	10/03/2008	10/07/2008	10/07/2008	10/03/2008	10/03/2008
Sample Type	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	9 (ft)
Sample Name	DP0258-SG-009-01	DP0259-SG-005-01	DP0259-SG-009-01	DP0260-SG-005-01	DP0260-SG-009-01	P0260-SG-009-01 DU	DP0261-SG-005-01	DP0261-SG-009-01	DP0262-SG-005-01	DP0262-SG-009-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**26**	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**1520**	**2220**	**155**	**2770**	**2530**	**3760**	**1020**	**312**	**2290**	**83**
Toluene	**32**	ND (20)	ND (20)	**143**	**103**	**116**	ND (20)	**137**	ND (20)	**63**
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	**297**	**194**	**188**	**315**	**439**	**180**	**140**	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0263	DP0263	DP0265	DP0265	DP0266	DP0266	DP0266	DP0267	DP0267	DP0268
Sample Date	10/07/2008	10/07/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008
Sample Type	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	9 (ft)	5 (ft)	9 (ft)	1.5 (ft)
Sample Name	DP0263-SG-005-01	DP0263-SG-009-01	DP0265-SG-005-01	DP0265-SG-009-01	DP0266-SG-005-01	DP0266-SG-009-01	DP0266-SG-009-01 DUI	DP0267-SG-005-01	DP0267-SG-009-01	DP0268-SG-001.5-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**88**	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**97**
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**49**
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**360**	**38**	**1000**	**24**	**998**	**2470**	**2360**	**1580**	**172**	**2470**
Toluene	**24**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**31**
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0268	DP0268	DP0269	DP0269	DP0270	DP0270	DP0270	DP0271	DP0271	DP0273
Sample Date	10/06/2008	10/06/2008	10/08/2008	10/08/2008	10/09/2008	10/09/2008	10/09/2008	10/07/2008	10/07/2008	10/08/2008
Sample Type	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)
Sample Name	DP0268-SG-005-01	DP0268-SG-009-01	DP0269-SG-005-01	DP0269-SG-009-01	DP0270-SG-005-01	P0270-SG-005-01 DU	DP0270-SG-009-01	DP0271-SG-005-01	DP0271-SG-009-01	DP0273-SG-005-01
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**35**	ND (20)	ND (20)	ND (20)	**194**	**184**	ND (20)	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**176**
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**181**	ND (20)	ND (20)	**220**	**931**	**998**	**580**	**3330**	**130**	**1470**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	**589**	**591**	**410**	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0273	DP0274	DP0274	DP0274	DP0275	DP0275	DP0276	DP0276	DP0276
Sample Date	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008
Sample Type	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	5 (ft)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	1.5 (ft)	5 (ft)	9 (ft)
Sample Name	DP0273-SG-009-01	DP0274-SG-005-01	DP0274-SG-005-01 DU	DP0274-SG-009-01	DP0275-SG-005-01	DP0275-SG-009-01	DP0276-SG-001.5-01	DP0276-SG-005-01	DP0276-SG-009-01
Total Petroleum Hydrocarbons (ug/m3)									
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)									
1,1,1-Trichloroethane	ND (20)	**762**	**2200**	**10300**	**787**	**3430**	ND (20)	**975**	**302**
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	**1330**	**30**	ND (20)	ND (20)	**1180**	**222**
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	**259**	ND (20)	**594**	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**628**	**11800**	**1070**
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**259**	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**3230**	**17000**	**1890**
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**1070**	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	**32**	ND (20)	ND (20)	ND (20)	**7570**	**2750**
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**4380**	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**1240**	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**3340**	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**379**	**5590**	**8030**	**149000**	**9530**	**77500**	**2200**	**98500**	**31600**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	**9410**	**627**	**4950**	ND (20)	**17900**	**8060**
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**5360**	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0286	DP0286	DP0287	DP0287	DP0288	DP0288	DP0288	DP0289	DP0289	DP0290
Sample Date	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009
Sample Type	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	9 (ft)	9 (ft)	5 (ft)	9 (ft)	5 (ft)
Sample Name	DP0286_SG_005	DP0286_SG_009	DP0287_SG_005	DP0287_SG_009	DP0288_SG_005	DP0288_SG_009	DP0288_SG_009-02	DP0289_SG_005	DP0289_SG_009	DP0290_SG_005
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**616**	**666**	**2830**	**2000**	**403**	**302**	**368**	ND (20)	ND (20)	ND (20)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,1-Dichloroethene	**198**	**196**	**456**	**366**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**3090**	**3890**	**2210**	**1810**	**4000**	**3430**	**4180**	**316**	**625**	**161**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Trifluorotrichloroethane (Freon 113)	**109**	**123**	**46**	**24**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0290	DP0291	DP0291	DP0293	DP0293	DP0293	DP0293	DP0293	DP0293	DP0348
Sample Date	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009	07/17/2014
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	5 (ft)	9 (ft)	5 (ft)	5 (ft)	5 (ft)	9 (ft)	9 (ft)	9 (ft)	5 (ft)
Sample Name	DP0290_SG_009	DP0291_SG_005	DP0291_SG_009	DP0293_SG_005 1P	DP0293_SG_005 3P	DP0293_SG_005 7P	DP0293_SG_009 1P	DP0293_SG_009 3P	DP0293_SG_009 7P	48_SG_005_01, P16
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (20)	ND (20)	ND (20)	**892**	**1040**	**992**	**983**	**1260**	**975**	ND (40)
1,1,2-Trichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
1,1-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
1,1-Dichloroethene	ND (20)	ND (20)	ND (20)	**172**	**176**	**199**	**182**	**212**	**170**	ND (40)
1,2,4-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
1,2-Dichloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)
1,3,5-Trimethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
2-Phenylbutane (sec-Butylbenzene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)
Bromodichloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
Bromoform	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
Chlorobromomethane	-	-	-	-	-	-	-	-	-	ND (40)
Chloroethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
Chloroform (Trichloromethane)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)
cis-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
Cymene (p-Isopropyltoluene)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
Dibromochloromethane	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
Dichlorodifluoromethane (CFC-12)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**420**
Diisopropyl ether	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (100)
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
m&p-Xylene	-	-	-	-	-	-	-	-	-	**110**
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
n-Propylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
o-Xylene	-	-	-	-	-	-	-	-	-	ND (40)
Tetrachloroethene	**343**	**396**	**652**	**3920**	**4670**	**4820**	**4930**	**6090**	**5090**	**12000**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (80)
trans-1,2-Dichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)
Trichloroethene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**25**	ND (20)	**150**
Trichlorofluoromethane (CFC-11)	ND (20)	ND (20)	ND (20)	**195**	**218**	**202**	**178**	**274**	**212**	ND (40)
Trifluorotrichloroethane (Freon 113)	ND (20)	**112**	**88**	**29**	**36**	**27**	**30**	**52**	**35**	**240**
Vinyl chloride	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0348	DP0349	DP0350	DP0351	DP0352	DP0353A	DP0354	DP0355	DP0356	DP0357
Sample Date	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/18/2014	07/18/2014	07/17/2014	07/17/2014	07/17/2014
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)
Sample Name	48_SG_009_01, P16	49_SG_009_01, P16	50_SG_009_01, P16	51_SG_009_01, P16	52_SG_009_01, P16	53A_SG_005_01, P4	54_SG_005_01, P16	55_SG_005_01, P16	56_SG_005_01, P163	57_SG_005_01, P163
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**2400**	ND (40)	ND (40)	ND (40)	ND (40)
1,1,2-Trichloroethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
1,1-Dichloroethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
1,1-Dichloroethene	ND (40)	**150**	ND (40)	ND (40)	ND (40)	**330**	ND (40)	ND (40)	ND (40)	ND (40)
1,2,4-Trimethylbenzene	ND (40)	**130**	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**180**
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,3,5-Trimethylbenzene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
2-Phenylbutane (sec-Butylbenzene)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Benzene	**30**	**90**	**40**	ND (10)	**30**	**30**	ND (10)	ND (10)	ND (10)	**20**
Bromodichloromethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Bromoform	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Chlorobromomethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Chloroethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**30**	**30**	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (40)	**1700**	**450**	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Cymene (p-Isopropyltoluene)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Dibromochloromethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Dichlorodifluoromethane (CFC-12)	**590**	**810**	**230**	ND (40)	ND (40)	**710**	ND (40)	ND (40)	ND (40)	ND (40)
Diisopropyl ether	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Ethylbenzene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
m&p-Xylene	**260**	**120**	**110**	ND (40)	**130**	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
n-Butylbenzene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
n-Propylbenzene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
o-Xylene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Tetrachloroethene	**10000**	**9000**	**750**	**14000**	**11000**	**180000**	**1600**	**240**	**520**	**790**
Toluene	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)
trans-1,2-Dichloroethene	ND (40)	**350**	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Trichloroethene	**220**	**13000**	**2400**	**110**	**40**	**5000**	**4300**	**350**	ND (10)	ND (10)
Trichlorofluoromethane (CFC-11)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**1300**	ND (40)	ND (40)	ND (40)	ND (40)
Trifluorotrichloroethane (Freon 113)	**320**	**130**	ND (40)	ND (40)	ND (40)	**41000**	**420**	ND (40)	ND (40)	ND (40)
Vinyl chloride	ND (10)	**20**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0358	DP0359	DP0359	DP0359	DP0360	DP0360	DP0362	DP0362	DP0363	DP0364
Sample Date	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/18/2014	07/18/2014	07/18/2014	07/18/2014
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	-	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 (ft)
Sample Name	358_SG_005_01, P163	9_SG_005_01 1PVT, F	SG_005_01 10PVT, I	_SG_005_01 3PVT, I	_SG_005_01 REP, P6	0_SG_005_01, P162	_SG_005_01 REP, P6	2_SG_005_01, P45	363_SG_005_01, P45	364_SG_005_01, P45
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
1,1,2-Trichloroethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
1,1-Dichloroethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
1,1-Dichloroethene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
1,2,4-Trimethylbenzene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**500**
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**240**
1,3,5-Trimethylbenzene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**290**
2-Phenylbutane (sec-Butylbenzene)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**100**
Benzene	ND (10)	**30**	ND (10)	**20**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**50**
Bromodichloromethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Bromoform	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Chlorobromomethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Chloroethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Chloroform (Trichloromethane)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**290**
Cymene (p-Isopropyltoluene)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**230**
Dibromochloromethane	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Dichlorodifluoromethane (CFC-12)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Diisopropyl ether	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
Ethylbenzene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**110**
m&p-Xylene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**380**
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**690**
n-Butylbenzene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**100**
n-Propylbenzene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
o-Xylene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	**130**
Tetrachloroethene	**510**	**530**	**860**	**730**	**2400**	**2000**	**1100**	**1300**	**3500**	**4600**
Toluene	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	ND (80)	**220**
trans-1,2-Dichloroethene	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Trichloroethene	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**180**	**670**
Trichlorofluoromethane (CFC-11)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Trifluorotrichloroethane (Freon 113)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)	ND (40)
Vinyl chloride	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Xylene (total)	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0367	DP0369	DP0370	SV-2	SV-3	SV-4	SV-4	SV-4	SV-5	SV-5
Sample Date	07/18/2014	07/18/2014	07/18/2014	10/02/1989	10/02/1989	10/02/1989	10/02/1989	10/02/1989	10/02/1989	10/02/1989
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 (ft)	5 (ft)	6 (ft)	6 (ft)	6 (ft)	9 (ft)	11 (ft)	6 (ft)	6 (ft)
Sample Name	367_SG_005_01, P4	369_SG_005_01, P4	370_SG_005_01, P4	SV-2_6_10021989R1	SV-3_6_10021989R1	SV-4_10021989_6	SV-4_10021989_9	SV-4_10021989_11	SV-5_6_10021989	SV-5_6_10021989R1
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	-	-	ND (20)	ND (20)	**300**	**400**	**300**	**900**	ND (20)
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**730**	**35000**	ND (40)	**3**	**80**	**1000**	**100**	**1000**	-	**4000**
1,1,2-Trichloroethane	ND (40)	**2600**	ND (40)	-	-	-	-	-	-	-
1,1-Dichloroethane	**3900**	**4100**	ND (40)	ND (60)	ND (20)	ND (60)	ND (10)	ND (60)	-	ND (1000)
1,1-Dichloroethene	**230**	**73000**	ND (40)	-	-	-	ND (9)	-	-	ND (900)
1,2,4-Trimethylbenzene	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
1,2-Dichloroethane	ND (10)	ND (10)	ND (10)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Benzene	ND (10)	**20**	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	-	ND (20)
Bromodichloromethane	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Bromoform	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Chlorobromomethane	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Chloroethane	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	ND (10)	**20**	ND (10)	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Dibromochloromethane	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Diisopropyl ether	ND (100)	ND (100)	ND (100)	-	-	-	-	-	-	-
Ethylbenzene	ND (40)	ND (40)	ND (40)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	-	ND (20)
m&p-Xylene	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	**20**	ND (20)	**140**	-	-	-	-	-	-	-
n-Butylbenzene	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
n-Propylbenzene	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
o-Xylene	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Tetrachloroethene	**14000**	**2100**	**23000**	**10000**	**7000**	**2000**	**2**	**2000**	-	**140000**
Toluene	ND (80)	ND (80)	ND (80)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	-	ND (20)
trans-1,2-Dichloroethene	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Trichloroethene	**1300**	**790**	ND (10)	ND (3)	**300**	**400**	**0.9**	**600**	-	**600**
Trichlorofluoromethane (CFC-11)	ND (40)	ND (40)	ND (40)	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ND (40)	ND (40)	ND (40)	**3000**	**12000**	**2000**	**10**	**2000**	-	**2000**
Vinyl chloride	ND (10)	**40**	ND (10)	-	-	-	-	-	-	-
Xylene (total)	-	-	-	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	-	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SV-6	SV-7	SV-8	SV-9	SV-10	SV-11	SV-11A	SV-11B	SV-11C	SV-11D
Sample Date	10/02/1989	10/02/1989	10/02/1989	10/02/1989	10/04/1989	10/04/1989	10/04/1989	10/04/1989	10/04/1989	10/04/1989
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	9 (ft)
Sample Name	SV-6_6_10021989R1	SV-7_6_10021989R1	SV-8_6_10021989R1	SV-9_6_10021989R1	SV-10_6_10041989R	SV-11_6_10041989R	V-11A_6_10041989	FV-11B_6_10041989	FV-11C_6_10041989	FV-11D_9_10041989F
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	**16000**	**10000**	**18000000**	**26000000**	ND (20)	ND (20)	-	**110000000**	**86000000**	**40000000**
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**400**	**10000**	**15000**	**100**	**3**	**4**	**2**	**600**	**600**	**9**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ND (1000)	ND (2000)	ND (1000)	ND (10)	ND (30)	ND (20)	ND (8)	ND (20)	**80**	**200**
1,1-Dichloroethene	-	-	-	ND (9)	ND (20)	ND (8)	ND (4)	ND (8)	ND (8)	ND (8)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-
Benzene	ND (20)	ND (20)	-	-	ND (20)	ND (20)	ND (20)	-	-	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (20)	ND (20)	ND (4000)	ND (400)	ND (20)	ND (20)	ND (20)	ND (5000)	ND (5000)	ND (5000)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**66000**	**6000**	**4000**	**10**	**1000**	**400**	**100**	**5**	**20**	**200**
Toluene	ND (20)	ND (20)	-	-	ND (20)	ND (20)	ND (20)	ND (5000)	ND (5000)	ND (5000)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	**2000**	**16000**	**870000**	ND (0.6)	ND (1)	ND (0.6)	ND (0.3)	ND (0.6)	ND (0.6)	**40**
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	**340000**	**1500000**	**1300000**	**60**	**4**	**4**	**4**	**20**	ND (0.6)	**5**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (20)	ND (20)	**370000**	**45000**	ND (20)	ND (20)	ND (20)	**720000**	ND (5000)	ND (5000)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SV-11E	SV-12	SV-13	SV-14	SV-15	SV-16	SV-17	SV-18	SV-19	SV-21
Sample Date	10/04/1989	10/07/1989	10/07/1989	10/07/1989	10/07/1989	10/07/1989	10/07/1989	10/07/1989	10/07/1989	10/07/1989
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	6 (ft)	6 (ft)	5.5 (ft)	8.5 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	4.5 (ft)
Sample Name	V-11E_6_10041989F	SV-12_6_10071989	SV-13_6_10071989	SV-14_5.5_1007198S	SV-15_8.5_1007198S	SV-16_6_10071989	SV-17_6_10071989	SV-18_6_10071989	SV-19_6_10071989	SV-21_4.5_1007198S
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	ND (20)	ND (20)	ND (20)	**400**	ND (20)	ND (20)	**600**	ND (20)	**2000**	**300**
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**20**	**4**	**10**	**3**	**2**	**250000**	**10**	**7**	**7**	**2**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ND (8)	ND (3)	ND (3)	ND (3)	ND (3)	**400**	ND (30)	ND (3)	ND (3)	ND (3)
1,1-Dichloroethene	ND (20)	ND (2)	ND (2)	ND (2)	ND (2)	**27000**	ND (20)	ND (2)	ND (2)	ND (2)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**60**	**6**	**20**	**10**	**0.8**	**2000**	**400**	**4**	**20**	**3**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	**80**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (50)	ND (1)	ND (0.1)	ND (0.1)	ND (0.1)
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	**90**	**0.4**	**0.4**	**0.4**	ND (0.1)	ND	ND (1)	**1**	**0.7**	**0.4**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SV-25	SV-26	SV-27	SV-28	SV-29	SV-32	SV-32	SV-33	SV-36	SV-37
Sample Date	10/08/1989	10/08/1989	10/08/1989	10/07/1989	10/07/1989	10/07/1989	10/07/1989	10/07/1989	10/08/1989	10/08/1989
Sample Type	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	6 (ft)	4 (ft)	6 (ft)	9 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	5 (ft)	6 (ft)
Sample Name	SV-25_6_10081989	SV-26_4_10081989	SV-27_6_10081989	SV-28_9_10071989	SV-29_6_10071989	SV-32_6_10071989	V-32_6_10071989_DU	SV-33_6_10071989	SV-36_5_10081989	SV-37_6_10081989
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	ND (20)	ND (20)	ND (20)	**300**	ND (20)	ND (20)	-	ND (20)	ND (20)	ND (20)
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**5**	**4**	**4**	**20**	**8**	**50**	**7**	**8**	**2**	**1**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ND (3)	ND (3)	ND (10)	ND (30)	ND (30)	ND (3)	ND (8)	ND (3)	ND (3)	ND (3)
1,1-Dichloroethene	ND (2)	ND (2)	ND (8)	ND (20)	ND (20)	ND	ND	ND (4)	ND (2)	ND (2)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**30**	**4**	**3000**	**800**	**2000**	ND (20)	**100**	**20**	**2**	**0.4**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.1)	ND (0.1)	**9**	**4**	ND (1)	ND (0.1)	ND (0.3)	ND (0.1)	ND (1)	ND (0.1)
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ND (1)	**0.4**	ND (1)	ND (1)	**4**	**90**	**9**	**9**	**3**	ND (0.1)
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SV-38	SV-39	SV-40	SV-41	SV-42	SV-43	SV-44	SV-45	SV-46	SV-47
Sample Date	10/08/1989	10/08/1989	10/07/1989	10/06/1989	10/06/1989	10/06/1989	10/06/1989	10/07/1989	10/07/1989	10/07/1989
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6.5 (ft)	5 (ft)	6 (ft)	6 (ft)	6 (ft)	5 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)
Sample Name	SV-38_6.5_10081989	SV-39_5_10081989	SV-40_6_10071989	SV-41_6_10061989	SV-42_6_10061989	SV-43_5_10061989	SV-44_6_10061989	SV-45_6_10071989	SV-46_6_10071989	SV-47_6_10071989
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	ND (20)	**100**	ND (20)	ND (20)	**2000**	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**2**	**10**	**4**	**6**	**6000**	**8**	**8**	**200**	**30**	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ND (7)	ND (3)	ND (3)	ND (30)	ND (60)	ND (3)	ND (6)	ND (3)	ND (3)	-
1,1-Dichloroethene	ND (4)	ND (2)	ND (2)	ND (10)	ND (40)	ND	ND (4)	ND	ND	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	-
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (30)	ND (30)	ND (30)	ND (30)	ND (20)	ND (20)	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**600**	**30**	**40**	**2000**	**23000**	**80**	**80**	**10**	**200**	-
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.3)	ND (0.1)	**0.3**	ND (1)	ND (3)	ND (0.1)	ND (0.3)	ND (0.1)	ND (0.1)	-
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	**2**	**2**	**1**	ND (1)	**50**	**9**	**2**	**20**	**30**	-
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SV-48	SV-48	SV-50	SV-51	SV-53	SV-54	SV-55	SV-56	SV-58	SV-59
Sample Date	10/08/1989	10/08/1989	10/06/1989	10/08/1989	10/05/1989	10/05/1989	10/06/1989	10/05/1989	10/05/1989	10/05/1989
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	8 (ft)	6 (ft)	4 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)
Sample Name	SV-48_6_10081989	SV-48_10081989	SV-50_6_10061989	SV-51_4_10081989	SV-53_6_10051989	SV-54_6_10051989	SV-55_6_10061989	SV-56_6_10051989	SV-58_6_10051989	SV-59_6_10051989
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	**200**	ND (20)	ND (20)	ND (20)	ND (20)	**1000**	**80**	**200**	**200**
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**2**	-	**8**	**6**	**60**	**40**	**30**	**200**	**200**	**2000**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ND (3)	-	ND (30)	ND (3)	ND (30)	ND (30)	ND (30)	ND (30)	ND (300)	ND (30)
1,1-Dichloroethene	ND (2)	-	ND	ND	ND	ND	ND	ND (20)	ND	ND (800)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-
Benzene	ND (20)	-	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (20)	-	ND (30)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**4**	-	**300**	**60**	**600**	**800**	**40**	**400**	**38000**	**54000**
Toluene	ND (20)	-	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.1)	-	ND (1)	ND (0.1)	ND (1)	**20**	**20**	**40**	**80**	**800**
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	**2**	-	**60**	**80**	**30**	**3000**	**24000**	**60**	**18000**	**800**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (20)	-	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SV-59	SV-60	SV-61	SV-63	SV-66	SV-67	SV-68	SV-69	SV-70	SV-71
Sample Date	10/05/1989	10/05/1989	10/05/1989	10/06/1989	10/05/1989	10/05/1989	10/06/1989	10/05/1989	10/05/1989	10/05/1989
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	5.5 (ft)	5 (ft)	7.5 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	5.5 (ft)
Sample Name	SV-59_6_10051989R	V-60_5.5_10051989F	SV-61_5_10051989	SV-63_7.5_1006198S	SV-66_6_10051989	SV-67_6_10051989	SV-68_6_10061989	SV-69_6_10051989	SV-70_6_10051989	SV-71_5.5_1005198S
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	-	ND (20)	ND (20)	**800**	**600**	ND (20)	ND (20)	**6000**	**300**	ND (20)
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**2000**	**60**	**40**	**1000**	**20**	**10**	**300**	**600**	**80**	**80**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ND (30)	ND (30)	ND (30)	ND (30)	ND (70)	ND (10)	ND (6)	ND (1000)	ND (30)	ND (30)
1,1-Dichloroethene	ND (800)	-	ND	ND	ND	ND (8)	ND	ND	ND	ND
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (30)	ND (20)	ND (20)	ND (20)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**54000**	**400**	**60**	**1000**	**20**	**200**	**20**	**200**	**30**	**40**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	**500**	ND (20)	ND (20)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	**800**	ND (1)	**100**	**200**	ND (3)	**5**	ND (0.3)	**100**	**90**	**80**
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	**800**	**90**	**700**	**300**	**42000**	**20**	**90**	**310000**	**600**	**2000**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SV-72	SV-73	SV-74	SV-75	SV-76	SV-77	SV-78	SV-79	SV-80	SV-81
Sample Date	10/06/1989	10/06/1989	10/06/1989	10/06/1989	10/08/1989	10/06/1989	10/06/1989	10/03/1989	10/03/1989	10/03/1989
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5.5 (ft)	6 (ft)	4 (ft)	4 (ft)	4.5 (ft)	8.5 (ft)	4.5 (ft)	6 (ft)	6 (ft)	6 (ft)
Sample Name	SV-72_5.5_10061989	SV-73_6_10061989	SV-74_4_10061989	SV-75_4_10061989	SV-76_4.5_10081989	SV-77_8.5_10061989	SV-78_4.5_10061989	SV-79_6_10031989	SV-80_6_10031989	SV-81_6_10031989
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	ND (20)	ND (20)	**200**	**100**	ND (20)	**360000**	ND (20)	ND (30)	ND (30)	**300**
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**20**	**100**	**20**	**20**	**10**	**10**	**10**	**10**	**200**	**60**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ND (30)	ND (10)	ND (30)	ND (30)	ND (30)	ND (6)	ND (10)	ND (30)	ND (30)	ND (30)
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND (20)	ND (20)	ND (400)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND	ND (20)	ND (30)	ND (30)	ND (30)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (30)	ND (30)	ND (30)	ND (30)	ND (20)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**8000**	**90**	**2000**	**200**	**2000**	**100**	**700**	**800**	**1000**	**18000**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (30)	ND (30)	ND (30)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (1)	ND (0.6)	**3**	ND (1)	**4**	**40**	ND (0.6)	ND (1)	**70**	ND (1)
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	**400**	**400**	**300**	**4000**	**1000**	**80**	**20**	**4**	**10**	**100**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (30)	ND (30)	ND (30)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SV-82	SV-83	SV-84	SV-85	SV-86	SV-87	SV-87A	SV-88	SV-89	SV-90
Sample Date	10/04/1989	10/04/1989	10/04/1989	10/04/1989	10/04/1989	10/03/1989	10/03/1989	10/03/1989	10/08/1989	10/03/1989
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)	6 (ft)
Sample Name	SV-82_5_10041989	SV-83_6_10041989	SV-84_6_10041989	SV-85_6_10041989	SV-86_6_10041989	SV-87_6_10031989	SV-87A_6_10031989	SV-88_6_10031989	SV-89_6_10081989	SV-90_6_10031989
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (30)	ND (30)	ND (30)	ND (20)	ND (30)
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**10**	**10**	**20**	**20**	**20**	**4**	**6**	**5**	**20**	**5**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ND (8)	ND (30)	ND (80)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)	ND (7)	ND (70)
1,1-Dichloroethene	ND	ND (20)	ND (40)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND	ND (40)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-
Benzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (30)	ND (30)	ND (30)	ND (20)	ND (30)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (30)	ND (30)	ND (30)	ND (20)	ND (30)
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**20**	**9000**	**15000**	**1000**	**600**	**2000**	**3000**	**600**	**7**	**12000**
Toluene	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (30)	ND (30)	ND (30)	ND (20)	ND (30)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	**5**	ND (1)	ND (3)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.3)	ND (3)
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ND (0.3)	ND (1)	**6**	**8**	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (3)
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (30)	ND (30)	ND (30)	ND (20)	ND (30)

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SV-91	SV-92	SV-92A	SV-94	SV-95	SV-96A	SV-96B	SV-96B	SV-98	SW-1
Sample Date	10/03/1989	10/03/1989	10/03/1989	10/03/1989	10/04/1989	10/03/1989	10/03/1989	10/04/1989	10/03/1989	08/01/1993
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	6 (ft)	8.5 (ft)	6 (ft)	5 (ft)	8 (ft)	3 (ft)	8 (ft)	5.5 (ft)	5 (ft)
Sample Name	SV-91_6_10031989	SV-92_6_10031989	SV-92A_8.5_1003198	SV-94_6_10031989	SV-95_5_10041989	SV-96A_8_1003198	SV-96B_3_1003198	SV-96B_8_1004198	SV-98_5.5_1003198	SG-SW-1-5A
Total Petroleum Hydrocarbons (ug/m3)										
Total Petroleum Hydrocarbons	ND (30)	ND (30)	ND (30)	ND (30)	ND (20)	ND (30)	**200**	ND (40)	ND (30)	-
Volatile Organic Compounds (ug/m3)										
1,1,1-Trichloroethane	**10**	**50**	**9**	**2**	**3**	**2**	**6**	**8**	**6**	**1000**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	ND (4)	ND (30)	ND (30)	ND (4)	ND (3)	ND (10)	ND (10)	ND (30)	ND (10)	-
1,1-Dichloroethene	ND (2)	ND (20)	ND (20)	ND (2)	ND (2)	ND (8)	ND (8)	ND	ND (8)	ND (16000)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-
Benzene	ND (30)	ND (30)	ND (30)	ND (30)	ND (20)	ND (30)	ND (30)	ND (40)	ND (30)	ND (40000)
Bromodichloromethane	-	-	-	-	-	-	-	-	-	-
Bromoform	-	-	-	-	-	-	-	-	-	-
Chlorobromomethane	-	-	-	-	-	-	-	-	-	-
Chloroethane	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-
Diisopropyl ether	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (30)	ND (30)	ND (30)	ND (30)	ND (20)	ND (30)	ND (30)	ND (50)	ND (30)	-
m&p-Xylene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**100**	**1000**	**2000**	**200**	**4**	**300**	**0.9**	**10**	**6000**	**460000**
Toluene	ND (30)	ND (30)	ND (30)	ND (30)	ND (20)	ND (30)	ND (30)	ND (50)	ND (30)	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	**2**	ND (1)	ND (1)	**10**	**0.3**	ND (0.7)	**1**	ND (0.2)	**3**	ND (3000)
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	-	-	**60**
Trifluorotrichloroethane (Freon 113)	**2**	ND (1)	ND (1)	**5**	**1**	ND (0.6)	ND (0.6)	ND (1)	ND (0.6)	**3000**
Vinyl chloride	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (30)	ND (30)	ND (30)	ND (30)	ND (20)	ND (30)	ND (30)	ND (50)	ND (30)	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SW-1	SW-2	SW-3	SW-4
Sample Date	08/01/1993	08/01/1993	08/01/1993	08/01/1993
Sample Type	N	N	N	N
Sample Depth (bgs)	5.01 (ft)	5 (ft)	5 (ft)	5 (ft)
Sample Name	SG-SW-1-5B	SG-SW-2-5	SG-SW-3-5	SG-SW-4-5
Total Petroleum Hydrocarbons (ug/m3)				
Total Petroleum Hydrocarbons	-	-	-	-
Volatile Organic Compounds (ug/m3)				
1,1,1-Trichloroethane	ND (61000)	**900**	**900**	**400**
1,1,2-Trichloroethane	-	-	-	-
1,1-Dichloroethane	-	-	-	-
1,1-Dichloroethene	ND (1600000)	ND (16000)	ND (16000)	ND (16000)
1,2,4-Trimethylbenzene	-	-	-	-
1,2-Dichloroethane	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-
Benzene	ND (4000000)	ND (40000)	ND (40000)	ND (40000)
Bromodichloromethane	-	-	-	-
Bromoform	-	-	-	-
Chlorobromomethane	-	-	-	-
Chloroethane	-	-	-	-
Chloroform (Trichloromethane)	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-
Dibromochloromethane	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-
Diisopropyl ether	-	-	-	-
Ethylbenzene	-	-	-	-
m&p-Xylene	-	-	-	-
m,p-Xylenes	-	-	-	-
Naphthalene	-	-	-	-
n-Butylbenzene	-	-	-	-
n-Propylbenzene	-	-	-	-
o-Xylene	-	-	-	-
Tetrachloroethene	**450000**	**290000**	**120000**	**360000**
Toluene	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-
Trichloroethene	ND (320000)	ND (3000)	ND (3000)	**800**
Trichlorofluoromethane (CFC-11)	ND (45000)	**100**	**20**	**60**
Trifluorotrichloroethane (Freon 113)	ND (580000)	**2000**	**100**	**1000**
Vinyl chloride	-	-	-	-
Xylene (total)	-	-	-	-

Notes:
1. Results in bold were detected.
2. ND - Not detected
   J - Estimated value
3. Only detected compounds in soil gas shown in table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	001-01	001-01	001-02	001-02	001-02	001-02	001-03	001-03	001-03	001-03	001-04
Sample Date	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2 (ft)	2.01 (ft)	2 (ft)	2.01 (ft)	5 (ft)	5.01 (ft)	2 (ft)	2.01 (ft)	5 (ft)	5.01 (ft)	4 (ft)
Sample Name	001-01_10301995_2	001-01_10301995_2.01	001-02_10301995_2	001-02_10301995_2.01	001-02_10301995_5	001-02_10301995_5.01	001-03_10301995_2	001-03_10301995_2.01	001-03_10301995_5	001-03_10301995_5.01	001-04_10301995_4
Inorganic Compounds (mg/kg)											
Antimony	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)											
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)											
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	**0.015**	-	**0.0092**	-	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	001-01	001-01	001-02	001-02	001-02	001-02	001-03	001-03	001-03	001-03	001-04
Sample Date	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995	10/30/1995
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2 (ft)	2.01 (ft)	2 (ft)	2.01 (ft)	5 (ft)	5.01 (ft)	2 (ft)	2.01 (ft)	5 (ft)	5.01 (ft)	4 (ft)
Sample Name	001-01_10301995_2	001-01_10301995_2.01	001-02_10301995_2	001-02_10301995_2.01	001-02_10301995_5	001-02_10301995_5.01	001-03_10301995_2	001-03_10301995_2.01	001-03_10301995_5	001-03_10301995_5.01	001-04_10301995_4
1,1-Dichloroethane	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
1,1-Dichloroethene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
1,2-Dichloroethane	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ND (0.02)	-	ND (0.02)	-	ND (0.02)	-	ND (0.02)	-	ND (0.02)	-	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Acetone	ND (0.02)	-	ND (0.02)	-	ND (0.02)	-	ND (0.02)	-	ND (0.02)	-	ND (0.02)
Benzene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Carbon disulfide	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
cis-1,2-Dichloroethene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.01)	-	ND (0.01)	-	ND (0.01)	-	ND (0.01)	-	ND (0.01)	-	ND (0.01)
Ethylbenzene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Isopropylbenzene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.01)	-	ND (0.01)	-	ND (0.01)	-	ND (0.01)	-	ND (0.01)	-	ND (0.01)
n-Propylbenzene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Tetrachloroethene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Toluene	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Trichloroethene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Trifluorotrichloroethane (Freon 113)	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	001-04	002-UST-01	002-UST-02	002-UST-03	031-B-1	031-B-1	031-B-1	031-B-1	031-B-1	031-B-2	031-B-2	031-B-2	031-B-2	031-B-2	031-B-3	031-B-3
Sample Date	10/30/1995	11/08/1993	11/08/1993	11/08/1993	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4.01 (ft)	12 (ft)	12 (ft)	5 (ft)	3 (ft)	6 (ft)	9 (ft)	12 (ft)	15 (ft)	3 (ft)	6 (ft)	9 (ft)	12 (ft)	15 (ft)	3 (ft)	6 (ft)
Sample Name	001-04_10301995_4.01	002-UST-01_11081993_12	002-UST-02_11081993_12	002-UST-03_11081993_5	B1-3	B1-6	B1-9	B1-12	B1-15	B2-3	B2-6	B2-9	B2-12	B2-15	B3-3	B3-6
Inorganic Compounds (mg/kg)																
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)																
Total Petroleum Hydrocarbons	-	ND (5)	ND (5)	ND (5)	**11**	**11**	**10**	-	**24**	-	**11**	**10**	**11**	**11**	-	**11**
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)																
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	001-04	002-UST-01	002-UST-02	002-UST-03	031-B-1	031-B-1	031-B-1	031-B-1	031-B-1	031-B-2	031-B-2	031-B-2	031-B-2	031-B-2	031-B-3	031-B-3
Sample Date	10/30/1995	11/08/1993	11/08/1993	11/08/1993	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4.01 (ft)	12 (ft)	12 (ft)	5 (ft)	3 (ft)	6 (ft)	9 (ft)	12 (ft)	15 (ft)	3 (ft)	6 (ft)	9 (ft)	12 (ft)	15 (ft)	3 (ft)	6 (ft)
Sample Name	001-04_10301995_4.01	002-UST-01_11081993_12	002-UST-02_11081993_12	002-UST-03_11081993_5	B1-3	B1-6	B1-9	B1-12	B1-15	B2-3	B2-6	B2-9	B2-12	B2-15	B3-3	B3-6
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	**0.1**	-	-	-	-	**0.065**	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	**5.4**	-	-	-	-	**0.1**	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	**1.2**	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	ND (0.01)	ND (0.01)	ND (0.01)	-	-	-	-	**10**	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	031-B-3	031-B-3	031-B-3	031-B-4	031-B-4	031-B-4	031-B-4	031-B-4	042-1	042-1	042-1	042-1	042-2	042-2	042-2	042-2	042-3
Sample Date	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	04/01/1990	04/01/1990	08/04/1993	08/04/1993	04/01/1990	08/04/1993	08/04/1993	08/05/1993	04/01/1990
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	12 (ft)	15 (ft)	3 (ft)	6 (ft)	9 (ft)	12 (ft)	15 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	5 (ft)	10 (ft)	5 - 5.5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 - 5.5 (ft)
Sample Name	B3-9	B3-12	B3-15	B4-3	B4-6	B4-9	B4-12	B4-15	SG-42-1-5_04011990	SG-42-1-10_04011990	SG-42-1-5	SG-42-1-10	SG-42-2-5_04011990	SG-42-2-5	SG-42-2-5-AIRA	SG-42-2-5-AIR B	SG-42-3-5_04011990
Inorganic Compounds (mg/kg)																	
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																	
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																	
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)																	
Total Petroleum Hydrocarbons	**10**	-	-	**10**	-	-	**10**	**52**	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)																	
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	031-B-3	031-B-3	031-B-3	031-B-4	031-B-4	031-B-4	031-B-4	031-B-4	042-1	042-1	042-1	042-1	042-2	042-2	042-2	042-2	042-3
Sample Date	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	11/24/1989	04/01/1990	04/01/1990	08/04/1993	08/04/1993	04/01/1990	08/04/1993	08/04/1993	08/05/1993	04/01/1990
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	12 (ft)	15 (ft)	3 (ft)	6 (ft)	9 (ft)	12 (ft)	15 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	5 (ft)	10 (ft)	5 - 5.5 (ft)	5 (ft)	5 (ft)	5 (ft)	5 - 5.5 (ft)
Sample Name	B3-9	B3-12	B3-15	B4-3	B4-6	B4-9	B4-12	B4-15	SG-42-1-5_04011990	SG-42-1-10_04011990	SG-42-1-5	SG-42-1-10	SG-42-2-5_04011990	SG-42-2-5	SG-42-2-5-AIRA	SG-42-2-5-AIR B	SG-42-3-5_04011990
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	**0.2**	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	**0.3**	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	042-3	042-4	042-4	042-5	042-5	042-6	042-6	042-7	042-7	042-7	042-7	A-4N	A-4S	A-5A	A-5A
Sample Date	08/04/1993	04/01/1990	08/05/1993	04/01/1990	08/05/1993	04/01/1990	08/05/1993	04/01/1990	04/01/1990	08/07/1993	08/07/1993	12/22/1987	12/22/1987	02/14/1987	02/14/1987
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 - 5.5 (ft)	5 (ft)	5 - 5.5 (ft)	5 (ft)	5 - 5.5 (ft)	5 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	5 (ft)	10 (ft)	0.1 (ft)	0.2 (ft)	10.5 (ft)	10.51 (ft)
Sample Name	SG-42-3-5	SG-42-4-5_04011990	SG-42-4-5	SG-42-5-5_04011990	SG-42-5-5	SG-42-6-5_04011990	SG-42-6-5	SG-42-7-5_04011990	SG-42-7-10_04011990	SG-42-7-5	SG-42-7-10	1222002N	1222002S	A-5_02141987_10.5	A-5_02141987_10.51
Inorganic Compounds (mg/kg)															
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)															
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)															
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)															
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	**5**	**1**	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.025)	ND (0.025)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)															
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	042-3	042-4	042-4	042-5	042-5	042-6	042-6	042-7	042-7	042-7	042-7	A-4N	A-4S	A-5A	A-5A
Sample Date	08/04/1993	04/01/1990	08/05/1993	04/01/1990	08/05/1993	04/01/1990	08/05/1993	04/01/1990	04/01/1990	08/07/1993	08/07/1993	12/22/1987	12/22/1987	02/14/1987	02/14/1987
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5 - 5.5 (ft)	5 (ft)	5 - 5.5 (ft)	5 (ft)	5 - 5.5 (ft)	5 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	5 (ft)	10 (ft)	0.1 (ft)	0.2 (ft)	10.5 (ft)	10.51 (ft)
Sample Name	SG-42-3-5	SG-42-4-5_04011990	SG-42-4-5	SG-42-5-5_04011990	SG-42-5-5	SG-42-6-5_04011990	SG-42-6-5	SG-42-7-5_04011990	SG-42-7-10_04011990	SG-42-7-5	SG-42-7-10	1222002N	1222002S	A-5_02141987_10.5	A-5_02141987_10.51
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	A-5A	A-5A	A-5A	A-8	A-8	A-8	A-8	A-8	A-8	A-8	A-8	A-8	A-8	A-9	B-001-1	B-001-1	B1	B1
Sample Date	04/09/1992	04/09/1992	04/09/1992	09/24/1987	09/24/1987	09/24/1987	09/24/1987	11/05/1987	11/05/1987	11/05/1987	11/16/1987	01/13/1988	01/13/1988	09/18/1987	06/10/1996	06/13/1996	08/13/1987	08/13/1987
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5.01 (ft)	5.02 (ft)	1 - 1 (ft)	1.01 (ft)	1.02 (ft)	1.03 (ft)	8 (ft)	8.01 (ft)	8.02 (ft)	8 (ft)	8 (ft)	8.01 (ft)	1 - 1 (ft)	1 (ft)	8 (ft)	5.5 - 6 (ft)	10.5 - 11 (ft)
Sample Name	B001-01	B001-02	B001-03	92487-038N	92487-038S	92487-038E	92487-038W	1105A81N	1105A8NE	1105A8SW	111638GM	0113GM038A	0113GM038B	42487-004A	SB001-1	SB-001-1-8	B-1-5.5-6_08131987	B-1-10.5-11_08131987
Inorganic Compounds (mg/kg)																		
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (40)	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**170**	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (2)	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1**	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**24**	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**7**	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**21**	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**5**	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (40)	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**26**	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (100)	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**45**	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**56**	-	-
PCBs (mg/kg)																		
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons	ND (5)	ND (5)	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (10)	ND (10)
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	**660**	**460**	**230**	**350**	**0.53**	ND (0.005)	ND (0.005)	**0.46**	**8**	**15**	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)																		
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.01)	ND (0.01)
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.01)	ND (0.01)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	A-5A	A-5A	A-5A	A-8	A-8	A-8	A-8	A-8	A-8	A-8	A-8	A-8	A-8	A-9	B-001-1	B-001-1	B1	B1
Sample Date	04/09/1992	04/09/1992	04/09/1992	09/24/1987	09/24/1987	09/24/1987	09/24/1987	11/05/1987	11/05/1987	11/05/1987	11/16/1987	01/13/1988	01/13/1988	09/18/1987	06/10/1996	06/13/1996	08/13/1987	08/13/1987
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	5.01 (ft)	5.02 (ft)	1 - 1 (ft)	1.01 (ft)	1.02 (ft)	1.03 (ft)	8 (ft)	8.01 (ft)	8.02 (ft)	8 (ft)	8 (ft)	8.01 (ft)	1 - 1 (ft)	1 (ft)	8 (ft)	5.5 - 6 (ft)	10.5 - 11 (ft)
Sample Name	B001-01	B001-02	B001-03	92487-038N	92487-038S	92487-038E	92487-038W	1105A81N	1105A8NE	1105A8SW	111638GM	0113GM038A	0113GM038B	42487-004A	SB001-1	SB-001-1-8	B-1-5.5-6_08131987	B-1-10.5-11_08131987
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.01)	ND (0.01)
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.01)	ND (0.01)
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.01)	ND (0.01)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.074**	-	-	-
Benzene	ND (0.1)	ND (0.1)	ND (0.1)	-	-	-	-	-	-	-	-	-	-	ND (0.3)	ND (0.005)	-	ND (0.05)	ND (0.05)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.01)	ND (0.01)
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.3)	ND (0.005)	-	ND (0.1)	ND (0.1)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.01)	-	ND (0.01)	ND (0.01)
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.01)	ND (0.01)
Toluene	**0**	ND (0.1)	ND (0.1)	-	-	-	-	-	-	-	-	-	-	ND (0.3)	ND (0.005)	-	ND (0.05)	ND (0.05)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.01)	ND (0.01)
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.005)	-	ND (0.01)	ND (0.01)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND (0.02)	-	-	-
Xylene (total)	ND (0.1)	ND (0.1)	ND (0.1)	-	-	-	-	-	-	-	-	-	-	ND (0.3)	ND (0.005)	-	ND (0.1)	ND (0.1)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B-1ADLE	B-1ADLW	B-1ATANK	B2	B2	B-201	B-201	B-201	B-202	B-202	B-203	B-203
Sample Date	01/23/1996	01/23/1996	01/23/1996	08/13/1987	08/13/1987	11/14/1988	11/14/1988	11/14/1988	11/14/1988	11/14/1988	11/14/1988	11/14/1988
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	3 (ft)	8 (ft)	5.5 - 6 (ft)	10.5 - 11 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	15 - 15.5 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)
Sample Name	DLE	DLW	TANK	B-2-5.5-6_08131987	B-2-10.5-11_08131987	B-201-5-5.5_11141988	B-201-10-10.5_11141988	B-201-15-15.5_11141988	B-202-5-5.5_11141988	B-202-10-10.5_11141988	B-203-5-5.5_11141988	B-203-10-10.5_11141988
Inorganic Compounds (mg/kg)												
Antimony	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-	-	-	-
Arsenic	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-	-	-	-
Barium	**130**	**140**	**150**	-	-	-	-	-	-	-	-	-
Beryllium	**0.52**	**0.59**	**0.43**	-	-	-	-	-	-	-	-	-
Cadmium	ND (0.1)	**2.2**	ND (0.1)	-	-	-	-	-	-	-	-	-
Chromium	**9.9**	**11**	**7.2**	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**4.4**	**4.4**	**3.9**	-	-	-	-	-	-	-	-	-
Copper	**18**	**20**	**17**	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**6.5**	ND (1)	**5.5**	-	-	-	-	-	-	-	-	-
Mercury	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	-	-	-	-	-	-
Molybdenum	ND (0.5)	ND (0.5)	ND (0.5)	-	-	-	-	-	-	-	-	-
Nickel	**210**	**21**	**19**	-	-	-	-	-	-	-	-	-
Selenium	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-	-	-	-
Vanadium	**21**	**24**	**25**	-	-	-	-	-	-	-	-	-
Zinc	**53**	**48**	**39**	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	**835**	**2420**	ND (10)	ND (10)	**76**	ND (10)	ND (10)	ND (10)	ND (10)
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (2)	ND (2)	ND (2)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ND (2)	ND (2)	ND (2)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B-1ADLE	B-1ADLW	B-1ATANK	B2	B2	B-201	B-201	B-201	B-202	B-202	B-203	B-203
Sample Date	01/23/1996	01/23/1996	01/23/1996	08/13/1987	08/13/1987	11/14/1988	11/14/1988	11/14/1988	11/14/1988	11/14/1988	11/14/1988	11/14/1988
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	3 (ft)	8 (ft)	5.5 - 6 (ft)	10.5 - 11 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	15 - 15.5 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)
Sample Name	DLE	DLW	TANK	B-2-5.5-6_08131987	B-2-10.5-11_08131987	B-201-5-5.5_11141988	B-201-10-10.5_11141988	B-201-15-15.5_11141988	B-202-5-5.5_11141988	B-202-10-10.5_11141988	B-203-5-5.5_11141988	B-203-10-10.5_11141988
1,1-Dichloroethane	ND (2)	ND (2)	ND (2)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
1,1-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ND (10)	ND (10)	ND (10)	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ND (2)	ND (2)	ND (2)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (2)	ND (2)	ND (2)	**1**	**9.8**	-	**0.031**	**4**	-	**0.02**	-	ND (0.05)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ND (5)	ND (5)	ND (5)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
Ethylbenzene	ND (5)	ND (5)	ND (5)	**4.5**	**11.5**	-	ND (0.1)	**6**	-	ND (0.1)	-	ND (0.1)
Isopropylbenzene	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (2)	ND (2)	ND (2)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
n-Propylbenzene	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (2)	ND (2)	ND (2)	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**0.006**	**0.028**	**0.003**	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
Toluene	ND (2)	ND (2)	ND (2)	**9.1**	**22.4**	-	**0.008**	**8**	-	ND (0.05)	-	**0.023**
trans-1,2-Dichloroethene	ND (2)	ND (2)	ND (2)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
Trichloroethene	ND (2)	ND (2)	ND (2)	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (2)	ND (2)	ND (2)	**30.4**	**83.1**	-	**0.002**	**25**	-	ND (0.1)	-	ND (0.1)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B-203	B-204	B-204	B-204	B-205	B-205	B-205	B3	B4	B4
Sample Date	11/14/1988	11/15/1988	11/15/1988	11/15/1988	11/15/1988	11/15/1988	11/15/1988	08/13/1987	08/13/1987	08/13/1987
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	15 - 15.5 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	15 - 15.5 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	15 - 15.5 (ft)	12.5 - 13 (ft)	5.5 - 6 (ft)	10.5 - 11 (ft)
Sample Name	B-203-15-15.5_11141988	B-204-5-5.5_11151988	B-204-10-10.5_11151988	B-204-15-15.5_11151988	B-205-5-5.5_11151988	B-205-10-10.5_11151988	B-205-15-15.5_11151988	B-3-12.5-13_08131987	B-4-5.5-6_08131987	B-4-10.5-11_08131987
Inorganic Compounds (mg/kg)										
Antimony	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)										
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)										
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)										
Total Petroleum Hydrocarbons	**120**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**311**	ND (10)	ND (10)
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)										
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B-203	B-204	B-204	B-204	B-205	B-205	B-205	B3	B4	B4
Sample Date	11/14/1988	11/15/1988	11/15/1988	11/15/1988	11/15/1988	11/15/1988	11/15/1988	08/13/1987	08/13/1987	08/13/1987
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	15 - 15.5 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	15 - 15.5 (ft)	5 - 5.5 (ft)	10 - 10.5 (ft)	15 - 15.5 (ft)	12.5 - 13 (ft)	5.5 - 6 (ft)	10.5 - 11 (ft)
Sample Name	B-203-15-15.5_11141988	B-204-5-5.5_11151988	B-204-10-10.5_11151988	B-204-15-15.5_11151988	B-205-5-5.5_11151988	B-205-10-10.5_11151988	B-205-15-15.5_11151988	B-3-12.5-13_08131987	B-4-5.5-6_08131987	B-4-10.5-11_08131987
1,1-Dichloroethane	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)
1,1-Dichloroethene	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	**2**	-	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.05)	**0.36**	ND (0.05)	ND (0.05)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)
Ethylbenzene	**6**	-	ND (0.1)	ND (0.1)	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)
Toluene	**2**	-	**0.013**	**0.006**	-	**0.012**	**0.038**	**0.48**	ND (0.05)	ND (0.05)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)
Trichloroethene	-	-	-	-	-	-	-	-	ND (0.01)	ND (0.01)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-
Xylene (total)	**18**	-	ND (0.1)	ND (0.1)	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil
   are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B4	B-78	B-78	B-78	B-79	B-79	B-79	B-79	B-80	B-80	B-80	B-82F
Sample Date	08/13/1987	05/31/2006	05/31/2006	05/31/2006	05/30/2006	05/30/2006	05/30/2006	05/30/2006	06/01/2006	06/01/2006	06/01/2006	04/10/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	13.5 - 14 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	6 (ft)
Sample Name	B-4-13.5-14_08131987	B-78-SS-053106-05	B-78-SS-053106-10	B-78-SS-053106-15	B-79-SS-053006-01	B-79-SS-053006-05	B-79-SS-053006-10	B-79-SS-053006-15	B-80-SS-060106-05	B-80-SS-060106-10	B-80-SS-060106-15	B-82F-SS-006-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	**315**	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B4	B-78	B-78	B-78	B-79	B-79	B-79	B-79	B-80	B-80	B-80	B-82F
Sample Date	08/13/1987	05/31/2006	05/31/2006	05/31/2006	05/30/2006	05/30/2006	05/30/2006	05/30/2006	06/01/2006	06/01/2006	06/01/2006	04/10/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	13.5 - 14 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	6 (ft)
Sample Name	B-4-13.5-14_08131987	B-78-SS-053106-05	B-78-SS-053106-10	B-78-SS-053106-15	B-79-SS-053006-01	B-79-SS-053006-05	B-79-SS-053006-10	B-79-SS-053006-15	B-80-SS-060106-05	B-80-SS-060106-10	B-80-SS-060106-15	B-82F-SS-006-01
1,1-Dichloroethane	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	**1.6**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.011**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.01)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	**5.8**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.0023 J**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.004 J**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.01)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0068 J**	**0.0061 J**	ND (0.005)	**0.0094 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	**9.8**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.0117**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	**43.5**	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B-82F	B-82F	B-84	B-84	B-84	B-85	B-85	B-85	B-86	B-86	B-86	B-87	B-87	B-87	B-88
Sample Date	04/10/2008	04/10/2008	04/03/2008	04/03/2008	04/03/2008	04/10/2008	04/10/2008	04/10/2008	03/17/2008	03/17/2008	03/17/2008	04/01/2008	04/01/2008	04/01/2008	03/17/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	6 (ft)	10 (ft)	15 (ft)	7 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	6 (ft)	10 (ft)	15 (ft)	5 (ft)
Sample Name	B-82F-SS-010-01	B-82F-SS-015-01	B-84-SS-006-01	B-84-SS-010-01	B-84-SS-015-01	B-85-SS-007-01	B-85-SS-010-01	B-85-SS-015-01	B-86-SS-005-01	B-86-SS-010-01	B-86-SS-015-01	B-87-SS-006-01	B-87-SS-010-01	B-87-SS-015-01	B-88-SS-005-01
Inorganic Compounds (mg/kg)															
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)															
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)															
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)															
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)															
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B-82F	B-82F	B-84	B-84	B-84	B-85	B-85	B-85	B-86	B-86	B-86	B-87	B-87	B-87	B-88
Sample Date	04/10/2008	04/10/2008	04/03/2008	04/03/2008	04/03/2008	04/10/2008	04/10/2008	04/10/2008	03/17/2008	03/17/2008	03/17/2008	04/01/2008	04/01/2008	04/01/2008	03/17/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	6 (ft)	10 (ft)	15 (ft)	7 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	6 (ft)	10 (ft)	15 (ft)	5 (ft)
Sample Name	B-82F-SS-010-01	B-82F-SS-015-01	B-84-SS-006-01	B-84-SS-010-01	B-84-SS-015-01	B-85-SS-007-01	B-85-SS-010-01	B-85-SS-015-01	B-86-SS-005-01	B-86-SS-010-01	B-86-SS-015-01	B-87-SS-006-01	B-87-SS-010-01	B-87-SS-015-01	B-88-SS-005-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.00437 J**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.00698 J**	**0.0072 J**	**0.0082 J**	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.00395 J**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B-88	B-88	B-89	B-89	B-89	B-90	B-90	B-90	B-91	B-91	B-91	B-92	B-92	B-92	B-93
Sample Date	03/17/2008	03/17/2008	03/21/2008	03/21/2008	03/21/2008	03/20/2008	03/20/2008	03/20/2008	03/28/2008	03/28/2008	03/28/2008	03/31/2008	03/31/2008	03/31/2008	03/25/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	6 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)
Sample Name	B-88-SS-010-01	B-88-SS-015-01	B-89-SS-005-01	B-89-SS-010-01	B-89-SS-015-01	B-90-SS-005-01	B-90-SS-010-01	B-90-SS-015-01	B-91-SS-006-01	B-91-SS-010-01	B-91-SS-015-01	B-92-SS-005-01	B-92-SS-010-01	B-92-SS-015-01	B-93-SS-005-01
Inorganic Compounds (mg/kg)															
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)															
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)															
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)															
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)															
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B-88	B-88	B-89	B-89	B-89	B-90	B-90	B-90	B-91	B-91	B-91	B-92	B-92	B-92	B-93
Sample Date	03/17/2008	03/17/2008	03/21/2008	03/21/2008	03/21/2008	03/20/2008	03/20/2008	03/20/2008	03/28/2008	03/28/2008	03/28/2008	03/31/2008	03/31/2008	03/31/2008	03/25/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	6 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)
Sample Name	B-88-SS-010-01	B-88-SS-015-01	B-89-SS-005-01	B-89-SS-010-01	B-89-SS-015-01	B-90-SS-005-01	B-90-SS-010-01	B-90-SS-015-01	B-91-SS-006-01	B-91-SS-010-01	B-91-SS-015-01	B-92-SS-005-01	B-92-SS-010-01	B-92-SS-015-01	B-93-SS-005-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	**0.005 J**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.0021 J**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	**0.027**	**0.0073 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0124**	**0.0087 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	**0.0053 J**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B-93	B-93	B-94	B-94	B-94	B-95	B-95	B-95	B-96	B-96	B-96	B-97	B-97	B-97	BORING-A
Sample Date	03/25/2008	03/25/2008	04/09/2008	04/09/2008	04/09/2008	04/15/2008	04/15/2008	04/15/2008	04/08/2008	04/08/2008	04/08/2008	04/04/2008	04/04/2008	04/04/2008	01/15/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	6 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	1 - 1 (ft)
Sample Name	B-93-SS-010-01	B-93-SS-015-01	B94-SS-005-01	B94-SS-010-01	B94-SS-015-01	B-95-SS-005-01	B-95-SS-010-01	B-95-SS-015-01	B-96-SS-006-01	B-96-SS-010-01	B-96-SS-015-01	B-97-SS-005-01	B-97-SS-010-01	B-97-SS-015-01	BORINGA1-20.5BC
Inorganic Compounds (mg/kg)															
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)															
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)															
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)															
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)															
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	B-93	B-93	B-94	B-94	B-94	B-95	B-95	B-95	B-96	B-96	B-96	B-97	B-97	B-97	BORING-A
Sample Date	03/25/2008	03/25/2008	04/09/2008	04/09/2008	04/09/2008	04/15/2008	04/15/2008	04/15/2008	04/08/2008	04/08/2008	04/08/2008	04/04/2008	04/04/2008	04/04/2008	01/15/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	6 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	1 - 1 (ft)
Sample Name	B-93-SS-010-01	B-93-SS-015-01	B94-SS-005-01	B94-SS-010-01	B94-SS-015-01	B-95-SS-005-01	B-95-SS-010-01	B-95-SS-015-01	B-96-SS-006-01	B-96-SS-010-01	B-96-SS-015-01	B-97-SS-005-01	B-97-SS-010-01	B-97-SS-015-01	BORINGA1-20.5BC
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.01)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	**0.08**
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.0024 J**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	-
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.003**
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.04**
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.004**
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0.01**

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-B	BORING-B
Sample Date	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/16/1991	01/16/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1.01 (ft)	1.5 (ft)	2 (ft)	4.5 (ft)	5 (ft)	7.5 (ft)	8 (ft)	10.5 (ft)	11 (ft)	13.5 (ft)	14 (ft)	1 (ft)	1.01 (ft)
Sample Name	BORINGA1-20.5DH	BORING A-1.5-2	BORING A-2-2.5	BORING A-4-5.5	BORING A-5-5.5	BORING A-7.5-8	BORING A-8-8.5	BORING A-10.5-1	BORING A-11-11.	BORING A-13.5-1	BORING A-14-14.	BORINGB1-20.5BC	BORINGB1-20.5DH
Inorganic Compounds (mg/kg)													
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)													
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)													
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)													
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	-	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	**0.004**	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-A	BORING-B	BORING-B
Sample Date	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/15/1991	01/16/1991	01/16/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1.01 (ft)	1.5 (ft)	2 (ft)	4.5 (ft)	5 (ft)	7.5 (ft)	8 (ft)	10.5 (ft)	11 (ft)	13.5 (ft)	14 (ft)	1 (ft)	1.01 (ft)
Sample Name	BORINGA1-20.5DH	BORING A-1.5-2	BORING A-2-2.5	BORING A-4-5.5	BORING A-5-5.5	BORING A-7.5-8	BORING A-8-8.5	BORING A-10.5-1	BORING A-11-11.	BORING A-13.5-1	BORING A-14-14.	BORINGB1-20.5BC	BORINGB1-20.5DH
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ND (0.005)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.001)	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ND (0.01)	ND (1)	ND (0.2)	ND (1)	ND (0.2)	ND (1)	ND (0.1)	ND (1)	ND (0.2)	ND (1)	ND (0.2)	**0.02**	ND (0.01)
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	ND (5)	ND (0.2)	ND (5)	ND (0.2)	ND (5)	ND (0.1)	ND (5)	ND (0.2)	ND (5)	ND (0.2)	**0.1**	-
Benzene	ND (0.005)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.001)	ND (0.005)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	**0.002**	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	ND (0.02)	-	ND (0.02)	-	ND (0.01)	-	ND (0.01)	-	ND (0.01)	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.005)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	**0.019**	ND (0.005)
Toluene	-	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	**0.008**	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.005)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.001)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	ND (0.5)	-	ND (0.5)	-	ND (0.5)	-	ND (0.5)	-	ND (0.5)	-	**0.009**	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-B	BORING-B	BORING-B	BORING-B	BORING-B	BORING-B	BORING-B	BORING-B	BORING-B	BORING-C	BORING-C	BORING-C	BORING-C	BORING-C
Sample Date	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2 (ft)	4.5 (ft)	5 (ft)	7.5 (ft)	8 (ft)	10.5 (ft)	11 (ft)	13.5 (ft)	14 (ft)	1 (ft)	1.01 (ft)	1.5 (ft)	2 (ft)	4.5 (ft)
Sample Name	BORING B-2-2.5	BORING B-4.5-5	BORING B-5-5.5	BORING B-7.5-8	BORING B-8-8.5	BORING B-10.5-1	BORING B-11-11.	BORING B-13.5-1	BORING B-14-14.	BORINGC1-20.5BC	BORINGC1-20.5DH	BORING C-1.5-2	BORING C-2-2.5	BORING C-4.5-5
Inorganic Compounds (mg/kg)														
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)														
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)														
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)														
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	ND (0.1)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.001)	-	ND (0.1)	ND (0.025)	ND (0.1)
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-B	BORING-B	BORING-B	BORING-B	BORING-B	BORING-B	BORING-B	BORING-B	BORING-B	BORING-C	BORING-C	BORING-C	BORING-C	BORING-C
Sample Date	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2 (ft)	4.5 (ft)	5 (ft)	7.5 (ft)	8 (ft)	10.5 (ft)	11 (ft)	13.5 (ft)	14 (ft)	1 (ft)	1.01 (ft)	1.5 (ft)	2 (ft)	4.5 (ft)
Sample Name	BORING B-2-2.5	BORING B-4.5-5	BORING B-5-5.5	BORING B-7.5-8	BORING B-8-8.5	BORING B-10.5-1	BORING B-11-11.	BORING B-13.5-1	BORING B-14-14.	BORINGC1-20.5BC	BORINGC1-20.5DH	BORING C-1.5-2	BORING C-2-2.5	BORING C-4.5-5
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ND (0.1)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ND (1)	ND (1)	ND (0.2)	ND (1)	ND (0.1)	ND (1)	ND (0.1)	ND (1)	ND (0.1)	ND (0.01)	ND (0.01)	ND (1)	ND (1)	ND (1)
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ND (5)	ND (5)	ND (0.2)	ND (5)	ND (0.1)	ND (5)	ND (0.1)	ND (5)	ND (0.1)	**0.1**	-	ND (5)	ND (1)	ND (5)
Benzene	ND (0.1)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (0.1)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.001)	-	ND (0.1)	ND (0.025)	ND (0.1)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	ND (0.02)	-	ND (0.01)	-	ND (0.01)	-	ND (0.01)	-	-	-	ND (0.025)	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.1)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)
Toluene	ND (0.1)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	**0.001**	-	ND (0.1)	ND (0.025)	ND (0.1)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.1)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (0.5)	ND (0.5)	-	ND (0.5)	-	ND (0.5)	-	ND (0.5)	-	ND (0.005)	-	ND (0.5)	-	ND (0.5)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-C	BORING-C	BORING-C	BORING-C	BORING-C	BORING-C	BORING-C	BORING-E	BORING-E	BORING-E	BORING-E	BORING-E	BORING-E
Sample Date	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	7.5 (ft)	8 (ft)	8.01 (ft)	10.5 (ft)	11 (ft)	13.5 (ft)	1 (ft)	1.01 (ft)	1.5 (ft)	2 (ft)	4.5 (ft)	5 (ft)
Sample Name	BORING C-5-5.5	BORING C-7.5-8	BORINGC-8-8.5-A	BORINGC-8-8.5-B	BORING C-10.5-1	BORING C-11-11.	BORING C-13.5-1	BORINGE1-20.5BC	BORINGE1-20.5DH	BORING E-15.2	BORING E-2-2.5	BORING E-4.5-5	BORING E-5-5.5
Inorganic Compounds (mg/kg)													
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)													
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)													
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)													
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.02)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.001)	-	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-C	BORING-C	BORING-C	BORING-C	BORING-C	BORING-C	BORING-C	BORING-E	BORING-E	BORING-E	BORING-E	BORING-E	BORING-E
Sample Date	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	7.5 (ft)	8 (ft)	8.01 (ft)	10.5 (ft)	11 (ft)	13.5 (ft)	1 (ft)	1.01 (ft)	1.5 (ft)	2 (ft)	4.5 (ft)	5 (ft)
Sample Name	BORING C-5-5.5	BORING C-7.5-8	BORINGC-8-8.5-A	BORINGC-8-8.5-B	BORING C-10.5-1	BORING C-11-11.	BORING C-13.5-1	BORINGE1-20.5BC	BORINGE1-20.5DH	BORING E-15.2	BORING E-2-2.5	BORING E-4.5-5	BORING E-5-5.5
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.02)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ND (1)	ND (1)	ND (1)	ND (0.04)	ND (1)	ND (1)	ND (1)	ND (0.01)	ND (0.01)	ND (1)	ND (1)	ND (1)	ND (1)
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ND (1)	ND (5)	ND (1)	ND (0.04)	ND (5)	ND (1)	ND (5)	**0.1**	-	ND (5)	ND (1)	ND (5)	ND (1)
Benzene	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.02)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.02)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.001)	-	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	ND (0.025)	-	ND (0.025)	ND (0.02)	-	ND (0.025)	-	-	-	-	ND (0.025)	-	ND (0.025)
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.02)	ND (0.1)	ND (0.025)	ND (0.1)	**0.021**	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
Toluene	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.02)	ND (0.1)	ND (0.025)	ND (0.1)	**0.006**	-	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.02)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	ND (0.5)	-	-	ND (0.5)	-	ND (0.5)	ND (0.005)	-	ND (0.5)	-	ND (0.5)	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-E	BORING-E	BORING-E	BORING-E	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F
Sample Date	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	7.5 (ft)	8 (ft)	10.5 (ft)	11 (ft)	1 (ft)	1.01 (ft)	1.5 (ft)	2 (ft)	4.5 (ft)	5 (ft)	7.5 (ft)	8 (ft)	10.5 (ft)	11 (ft)
Sample Name	BORING E-7.5-8	BORING E-8-8.5	BORING E-10.5-1	BORING E-11-11.	BORINGF1-20.5BC	BORINGF1-20.5DH	BORING F-1.5-2	BORING F-2-2.5	BORING F-4.5-5	BORING F-5-5.5	BORING F-7.5-8	BORING F-8-8.5	BORING F-10.5-1	BORING F-11-11.
Inorganic Compounds (mg/kg)														
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)														
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)														
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)														
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	**0.035**	-	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-E	BORING-E	BORING-E	BORING-E	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F	BORING-F
Sample Date	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	7.5 (ft)	8 (ft)	10.5 (ft)	11 (ft)	1 (ft)	1.01 (ft)	1.5 (ft)	2 (ft)	4.5 (ft)	5 (ft)	7.5 (ft)	8 (ft)	10.5 (ft)	11 (ft)
Sample Name	BORING E-7.5-8	BORING E-8-8.5	BORING E-10.5-1	BORING E-11-11.	BORINGF1-20.5BC	BORINGF1-20.5DH	BORING F-1.5-2	BORING F-2-2.5	BORING F-4.5-5	BORING F-5-5.5	BORING F-7.5-8	BORING F-8-8.5	BORING F-10.5-1	BORING F-11-11.
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.01)	ND (0.01)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ND (5)	ND (1)	ND (5)	ND (1)	ND (0.05)	-	ND (5)	ND (1)	ND (5)	ND (1)	ND (5)	ND (1)	ND (5)	ND (1)
Benzene	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	**0.003**	-	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	ND (0.025)	-	ND (0.025)	-	-	-	ND (0.025)	-	ND (0.025)	-	ND (0.025)	-	ND (0.025)
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	**0.01**	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
Toluene	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	**0.002**	-	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)	ND (0.1)	ND (0.025)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (0.5)	-	ND (0.5)	-	**0.01**	-	ND (0.5)	-	ND (0.5)	-	ND (0.5)	-	ND (0.5)	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-F	BORING-F	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G
Sample Date	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	13.5 (ft)	14 (ft)	1 (ft)	1.01 (ft)	1.5 (ft)	2 (ft)	4.5 (ft)	5 (ft)	7.5 (ft)	8 (ft)	10.5 (ft)	11 (ft)	13.5 (ft)
Sample Name	BORING F-13.5-1	BORING F-14-14.	BORINGG1-20.5BC	BORINGG1-20.5DH	BORING G-1.5-2	BORING G-2-2.5	BORING G-4.5-5	BORING G-5-5.5	BORING G-7.5-8	BORING G-8-8.5	BORING G-10.5-1	BORING G-11-11.	BORING G-13.5-1
Inorganic Compounds (mg/kg)													
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)													
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)													
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)													
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	ND (0.1)	ND (0.025)	**0.001**	-	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.02)	ND (0.1)
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-F	BORING-F	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G	BORING-G
Sample Date	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991	01/16/1991
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	13.5 (ft)	14 (ft)	1 (ft)	1.01 (ft)	1.5 (ft)	2 (ft)	4.5 (ft)	5 (ft)	7.5 (ft)	8 (ft)	10.5 (ft)	11 (ft)	13.5 (ft)
Sample Name	BORING F-13.5-1	BORING F-14-14.	BORINGG1-20.5BC	BORINGG1-20.5DH	BORING G-1.5-2	BORING G-2-2.5	BORING G-4.5-5	BORING G-5-5.5	BORING G-7.5-8	BORING G-8-8.5	BORING G-10.5-1	BORING G-11-11.	BORING G-13.5-1
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ND (0.1)	ND (0.025)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.02)	ND (0.1)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ND (1)	ND (1)	ND (0.01)	ND (0.01)	ND (1)	ND (0.2)	ND (1)	ND (0.1)	ND (1)	ND (0.1)	ND (1)	ND (0.2)	ND (1)
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ND (5)	ND (1)	**0.1**	-	ND (5)	ND (0.2)	ND (5)	ND (0.1)	ND (5)	**0.2**	ND (5)	**0.02**	ND (5)
Benzene	ND (0.1)	ND (0.025)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.02)	ND (0.1)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (0.1)	ND (0.025)	**0.008**	-	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.02)	ND (0.1)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	ND (0.025)	-	-	-	ND (0.02)	-	ND (0.01)	-	ND (0.01)	-	ND (0.02)	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.1)	ND (0.025)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.02)	ND (0.1)
Toluene	ND (0.1)	ND (0.025)	**0.021**	-	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.02)	ND (0.1)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.1)	ND (0.025)	ND (0.001)	ND (0.005)	ND (0.1)	ND (0.02)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.02)	ND (0.1)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (0.5)	-	**0.02**	-	ND (0.5)	-	ND (0.5)	-	ND (0.5)	-	ND (0.5)	-	ND (0.5)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-G	DP0001A	DP0001A	DP0002	DP0002	DP0003	DP0003	DP0003	DP0003	DP0004A	DP0004A	DP0005A
Sample Date	01/16/1991	11/11/2005	11/11/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	11/11/2005	11/11/2005	11/10/2005
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	14 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	9.5 - 10 (ft)
Sample Name	BORING G-14-14.	DP0001A-SS-010-01	DP0001A-SS-015-01	DP0002-SS-005-01	DP0002-SS-010-01	DP0003-SS-001-01	DP0003-SS-005-01	DP0003-SS-005-02	DP0003-SS-010-01	DP0004A-SS-010-01	DP0004A-SS-015-01	DP0005A-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	-	-
Arsenic	-	-	-	ND (1)	**3.75 J**	ND (1)	**3.15 J**	**2.7 J**	**3.95 J**	-	-	-
Barium	-	-	-	**118**	**106**	**90**	**146**	**87**	**124**	-	-	-
Beryllium	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	-	-
Cadmium	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	-	-
Chromium	-	-	-	**10.2**	**15.4**	**8.65**	**28.9**	**18.4**	**17.9**	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	ND (0.2)	-	-	-	-	-
Cobalt	-	-	-	**9.7**	**5.25**	**5.85**	**8.75**	**6.4**	**5.8**	-	-	-
Copper	-	-	-	**12.6**	**18.4**	**10.1**	**32.5**	**22.6**	**19.6**	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	**5.1**	**5.45**	**5.95**	**8.05**	**6.15**	**5.65**	-	-	-
Mercury	-	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	-	-
Molybdenum	-	-	-	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	-	-	-
Nickel	-	-	-	**8.95**	**17.9**	**7.75**	**30.5**	**22.5**	**20.7**	-	-	-
Selenium	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	-	-
Vanadium	-	-	-	**24.3**	**32.3**	**21.1**	**58.5**	**36.5**	**36.6**	-	-	-
Zinc	-	-	-	**35.5**	**46.5**	**33.1**	**75.5**	**52.5**	**48.1**	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
Diethyl phthalate	-	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	ND (5)	ND (5)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	ND (0.5)	ND (0.5)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	ND (5)	ND (5)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	ND (5)	ND (5)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	BORING-G	DP0001A	DP0001A	DP0002	DP0002	DP0003	DP0003	DP0003	DP0003	DP0004A	DP0004A	DP0005A
Sample Date	01/16/1991	11/11/2005	11/11/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	11/11/2005	11/11/2005	11/10/2005
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	14 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	9.5 - 10 (ft)
Sample Name	BORING G-14-14.	DP0001A-SS-010-01	DP0001A-SS-015-01	DP0002-SS-005-01	DP0002-SS-010-01	DP0003-SS-001-01	DP0003-SS-005-01	DP0003-SS-005-02	DP0003-SS-010-01	DP0004A-SS-010-01	DP0004A-SS-015-01	DP0005A-SS-010-01
1,1-Dichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.1)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.1)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.01)	**0.0393**	**0.0271**	ND (0.005)	ND (0.005)	ND (0.005)	**0.0158**	**0.0169**	**0.0073 J**	**0.0165**	**0.0389**	**0.0145**
Toluene	ND (0.01)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.01)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0005A	DP0006	DP0006A	DP0006A	DP0007A	DP0007A	DP0008	DP0008	DP0009	DP0009	DP0010	DP0010
Sample Date	11/10/2005	10/20/2005	11/10/2005	11/10/2005	11/11/2005	11/11/2005	10/21/2005	10/21/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	14.5 - 15 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 6 (ft)	5 - 6 (ft)
Sample Name	DP0005A-SS-015-01	DP0006-SS-010-01	DP0006A-SS-010-01	DP0006A-SS-015-01	DP0007A-SS-010-01	DP0007A-SS-015-01	DP0008-SS-005-01	DP0008-SS-010-01	DP0009-SS-005-01	DP0009-SS-010-01	DP0010-SS-005-01	DP0010-SS-005-02
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	-	-	-	-	-	-	**2.55 J**	**4.3 J**	**3.4 J**	**3.9 J**	**4.1 J**	**3.7 J**
Barium	-	-	-	-	-	-	**104**	**137**	**69.5**	**122**	**139**	**114**
Beryllium	-	-	-	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	-	-	-	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	-	-	-	-	-	-	**18.9**	**18.8**	**20.9**	**17.2**	**23.9**	**27.3**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	ND (0.2)
Cobalt	-	-	-	-	-	-	**6.6**	**7.15**	**6.85**	**6.8**	**7.45**	**8.4**
Copper	-	-	-	-	-	-	**28.2**	**29.1**	**23.9**	**19.1**	**26.9**	**31.2**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	**5.85**	**5.6**	**7.2**	**5**	**7.45**	**7.75**
Mercury	-	-	-	-	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	-	-	-	-	-	-	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	-	-	-	-	-	-	**23.5**	**23.3**	**24.5**	**20.4**	**26.8**	**30.1**
Selenium	-	-	-	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	-	-	-	-	-	-	**38.8**	**38.1**	**42.3**	**34.4**	**47.3**	**54**
Zinc	-	-	-	-	-	-	**54**	**60**	**56.5**	**48.1**	**64**	**71.5**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	ND (5)	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	ND (0.5)	-	-	-	-	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	ND (5)	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	ND (5)	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0005A	DP0006	DP0006A	DP0006A	DP0007A	DP0007A	DP0008	DP0008	DP0009	DP0009	DP0010	DP0010
Sample Date	11/10/2005	10/20/2005	11/10/2005	11/10/2005	11/11/2005	11/11/2005	10/21/2005	10/21/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	14.5 - 15 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 6 (ft)	5 - 6 (ft)
Sample Name	DP0005A-SS-015-01	DP0006-SS-010-01	DP0006A-SS-010-01	DP0006A-SS-015-01	DP0007A-SS-010-01	DP0007A-SS-015-01	DP0008-SS-005-01	DP0008-SS-010-01	DP0009-SS-005-01	DP0009-SS-010-01	DP0010-SS-005-01	DP0010-SS-005-02
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.0185**	**0.0385**	**0.0618**	**0.061**	ND (0.005)	**0.02**	**0.0056 J**	ND (0.005)	**0.0239**	ND (0.005)	**0.0443**	**0.0635**
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0010	DP0011	DP0011	DP0011	DP0011	DP0012	DP0012	DP0013	DP0013	DP0014	DP0015	DP0016
Sample Date	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	11/11/2005	11/11/2005	10/21/2005	10/21/2005	10/21/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	1 - 1.5 (ft)	2 - 2.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0010-SS-010-01	DP0011-SS-001-01	DP0011-SS-002-01	DP0011-SS-005-01	DP0011-SS-010-01	DP0012-SS-005-01	DP0012-SS-010-01	DP0013-SS-005-01	DP0013-SS-010-01	DP0014-SS-005-01	DP0015-SS-005-01	DP0016-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	-	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**3.55 J**	-	-	-	-	**4.4 J**	**3.5 J**	**3.3 J**	**3.7 J**	**1.55 J**	**2.95 J**	**2.85 J**
Barium	**111**	-	-	-	-	**108**	**128**	**114**	**126**	**90**	**123**	**195**
Beryllium	ND (1.3)	-	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	-	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**16.5**	-	-	-	-	**11.1**	**14.7**	**13.6**	**15.7**	**7.65**	**25.7**	**23.2**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	ND (0.2)	-
Cobalt	**6.75**	-	-	-	-	**5.35**	**5.95**	**6.5**	**6.5**	**5.85**	**8.05**	**9.5**
Copper	**19.2**	-	-	-	-	**15.1**	**20.7**	**18.3**	**19.5**	**20.2**	**36.2**	**30.8**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**5.7**	-	-	-	-	**7.9**	**6.3**	**5.05**	**5.05**	**3.15 J**	**6.45**	**7.4**
Mercury	ND (0.1)	-	-	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	-	-	-	-	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**25.9**	-	-	-	-	**12.3**	**21.1**	**18.6**	**21.9**	**10.1**	**28.1**	**29.7**
Selenium	ND (1)	-	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**32.9**	-	-	-	-	**28.4**	**30.8**	**31.1**	**33.7**	**21.5**	**51**	**51**
Zinc	**49.1**	-	-	-	-	**39.6**	**50.5**	**44.7**	**49**	**35.9**	**64.5**	**71.5**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	ND (0.25)	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.25)
bis(2-Ethylhexyl)phthalate	-	ND (0.25)	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.25)
Butyl benzylphthalate	-	ND (0.25)	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.25)
Diethyl phthalate	-	ND (0.25)	-	ND (0.25)	-	-	-	-	-	-	-	ND (0.25)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	-	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	-	-	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0010	DP0011	DP0011	DP0011	DP0011	DP0012	DP0012	DP0013	DP0013	DP0014	DP0015	DP0016
Sample Date	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	11/11/2005	11/11/2005	10/21/2005	10/21/2005	10/21/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	1 - 1.5 (ft)	2 - 2.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0010-SS-010-01	DP0011-SS-001-01	DP0011-SS-002-01	DP0011-SS-005-01	DP0011-SS-010-01	DP0012-SS-005-01	DP0012-SS-010-01	DP0013-SS-005-01	DP0013-SS-010-01	DP0014-SS-005-01	DP0015-SS-005-01	DP0016-SS-005-01
1,1-Dichloroethane	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
1,1-Dichloroethene	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
1,2-Dichloroethane	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
Acetone	ND (0.025)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	ND (0.025)
Benzene	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	ND (0.002)
Carbon disulfide	ND (0.025)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	-	-	ND (0.015)
Ethylbenzene	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	ND (0.002)
Isopropylbenzene	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
m,p-Xylenes	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	ND (0.002)
Methylene chloride	ND (0.025)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	ND (0.025)
n-Propylbenzene	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
o-Xylene	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	ND (0.002)
Styrene	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
Tetrachloroethene	ND (0.005)	-	ND (0.005)	**0.0071 J**	ND (0.005)	ND (0.005)	ND (0.005)	**0.0089 J**	ND (0.005)	-	-	ND (0.005)
Toluene	ND (0.002)	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
Trichloroethene	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0016	DP0017	DP0017	DP0018	DP0018	DP0018	DP0019	DP0019	DP0020	DP0020	DP0021	DP0021
Sample Date	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/24/2005	10/24/2005
Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 6 (ft)	5 - 6 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0016-SS-010-01	DP0017-SS-005-01	DP0017-SS-010-01	DP0018-SS-005-01	DP0018-SS-005-02	DP0018-SS-010-01	DP0019-SS-005-01	DP0019-SS-010-01	DP0020-SS-005-01	DP0020-SS-010-01	DP0021-SS-001-01	DP0021-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	**3.15 J**
Arsenic	**4.85 J**	ND (1)	**4.8 J**	**2.7 J**	**4.4 J**	**1.8 J**	**3.65 J**	**1.95 J**	**3.55 J**	**1.7 J**	**4.95 J**	**3.1 J**
Barium	**110**	**138**	**114**	**128**	**133**	**121**	**16.4**	**123**	**154**	**108**	**104**	**134**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**15.6**	**8.95**	**14.2**	**18.8**	**15.7**	**15.6**	**18.4**	**15.8**	**17**	**12.2**	**13.4**	**18.8**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**5.3**	**5.2**	**5.7**	**6.55**	**6.05**	**6.6**	**7.2**	**5.45**	**7.15**	**4.7 J**	**5.85**	**7.25**
Copper	**20.9**	**11.9**	**18.4**	**25.3**	**19.4**	**21**	**23.4**	**19.6**	**24.4**	**17.8**	**17.2**	**21.7**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**4.8 J**	**3.8 J**	**4.1 J**	**4.85 J**	**4.2 J**	**4.7 J**	**5.1**	**3.95 J**	**4.85 J**	**4.05 J**	**5.35**	**3.5 J**
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	**3.2 J**
Nickel	**18.4**	**8.3**	**19.1**	**22.8**	**21**	**24.2**	**23.3**	**18.8**	**21.5**	**16.4**	**16.4**	**23.3**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**32**	**23.4**	**29.4**	**38.1**	**32.4**	**33.1**	**38.4**	**30.9**	**33.9**	**25.5**	**30.3**	**36.8**
Zinc	**45.5**	**34.2**	**84.5**	**53.5**	**44.6**	**48.2**	**55.5**	**46.1**	**54**	**38.7**	**41.9**	**53.5**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	ND (0.04)	ND (0.04)
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	ND (0.04)	ND (0.04)
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	ND (0.04)	ND (0.04)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	ND (0.25)	ND (0.25)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	ND (0.25)	ND (0.25)
Butyl benzylphthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	ND (0.25)	ND (0.25)
Diethyl phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	ND (0.25)	ND (0.25)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0016	DP0017	DP0017	DP0018	DP0018	DP0018	DP0019	DP0019	DP0020	DP0020	DP0021	DP0021
Sample Date	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/24/2005	10/24/2005
Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 6 (ft)	5 - 6 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0016-SS-010-01	DP0017-SS-005-01	DP0017-SS-010-01	DP0018-SS-005-01	DP0018-SS-005-02	DP0018-SS-010-01	DP0019-SS-005-01	DP0019-SS-010-01	DP0020-SS-005-01	DP0020-SS-010-01	DP0021-SS-001-01	DP0021-SS-005-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0095 J**	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0129**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0022	DP0022	DP0023	DP0023	DP0023	DP0024	DP0024	DP0024	DP0025	DP0025	DP0025	DP0025
Sample Date	10/24/2005	10/24/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0022-SS-001-01	DP0022-SS-005-01	DP0023-SS-001-01	DP0023-SS-005-01	DP0023-SS-010-01	DP0024-SS-001-01	DP0024-SS-005-01	DP0024-SS-010-01	DP0025-SS-001-01	DP0025-SS-005-01	DP0025-SS-005-01DL	DP0025-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (1)
Arsenic	**3.05 J**	**3.45 J**	**3.45 J**	**2.8 J**	**3.5 J**	**2.75 J**	**2.45 J**	**2.7 J**	**3.25 J**	**4.05 J**	-	**1.7 J**
Barium	**118**	**149**	**149**	**106**	**115**	**147**	**111**	**128**	**80**	**128**	-	**98**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	ND (1.3)
Chromium	**15.4**	**20.2**	**20.3**	**13.2**	**10.7**	**18.7**	**16.2**	**14.2**	**14.4**	**19.4**	-	**12.2**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**5.35**	**7.6**	**7.55**	**5.2**	**4.4 J**	**6.2**	**7.05**	**5.35**	**5.55**	**6.85**	-	**4.5 J**
Copper	**17.6**	**24.1**	**25.5**	**16.8**	**13.1**	**22.7**	**20.2**	**16.1**	**17.4**	**22.8**	-	**12.7**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**5.05**	**4.7 J**	**8.55**	**4.4 J**	**3.1 J**	**6.75**	**5.7**	**2.8 J**	**4 J**	**5.85**	-	ND (2.5)
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	-	ND (2.5)
Nickel	**15.7**	**25.4**	**24.3**	**17.2**	**14.6**	**18.8**	**19.5**	**17.8**	**16.7**	**22.5**	-	**14.8**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (1)
Vanadium	**33**	**40.6**	**43.4**	**25**	**22.6**	**41.4**	**33.2**	**27.8**	**31.2**	**36.4**	-	**24.5**
Zinc	**41.7**	**58.5**	**57.5**	**76**	**32.1**	**51.5**	**45.3**	**74**	**42.1**	**52.5**	-	**32.9**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	-	ND (0.04)	-	ND (0.04)	-
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	-	ND (0.04)	-	ND (0.04)	-
Aroclor-1260 (PCB-1260)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	-	ND (0.04)	-	ND (0.04)	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	-
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	-
Butyl benzylphthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	-
Diethyl phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	-	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0022	DP0022	DP0023	DP0023	DP0023	DP0024	DP0024	DP0024	DP0025	DP0025	DP0025	DP0025
Sample Date	10/24/2005	10/24/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0022-SS-001-01	DP0022-SS-005-01	DP0023-SS-001-01	DP0023-SS-005-01	DP0023-SS-010-01	DP0024-SS-001-01	DP0024-SS-005-01	DP0024-SS-010-01	DP0025-SS-001-01	DP0025-SS-005-01	DP0025-SS-005-01DL	DP0025-SS-010-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	-	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0026	DP0026	DP0026	DP0027	DP0027	DP0027	DP0028	DP0028	DP0028	DP0028	DP0029	DP0029
Sample Date	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 2 (ft)	1 - 2 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0026-SS-001-01	DP0026-SS-005-01	DP0026-SS-010-01	DP0027-SS-001-01	DP0027-SS-005-01	DP0027-SS-010-01	DP0028-SS-001-01	DP0028-SS-001-02	DP0028-SS-005-01	DP0028-SS-010-01	DP0029-SS-005-01	DP0029-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**4.55 J**	**4.3 J**	**2.95 J**	**4.4 J**	**3.5 J**	**2.7 J**	**3.35 J**	**3.8 J**	**3.2 J**	**4.45 J**	**2.7 J**	**2.7 J**
Barium	**116**	**120**	**98.5**	**146**	**127**	**138**	**122**	**151**	**145**	**118**	**171**	**152**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**15.5**	**15.9**	**14.2**	**19.3**	**16.8**	**14.1**	**16**	**22**	**20.2**	**9.55**	**26.4**	**16.6**
Chromium VI (Hexavalent)	-	ND (0.2)	-	-	-	-	-	ND (0.2)	-	-	-	-
Cobalt	**6.2**	**7.4**	**4.85 J**	**8.45**	**7.8**	**6.05**	**7**	**8.2**	**8.25**	**4.85 J**	**9.35**	**6**
Copper	**15.1**	**17.1**	**15.4**	**32.7**	**25.3**	**18.7**	**26.1**	**34.9**	**30.2**	**14.2**	**31.6**	**19.6**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**15.5**	**61.5**	**2.95 J**	**10.2**	**8.6**	**5.2**	**7.85**	**11**	**13.6**	**4.5 J**	**11.9**	**4.8 J**
Mercury	**0.1 J**	**0.3**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**14.5**	**17.5**	**17**	**25.6**	**20.6**	**19.4**	**20.5**	**26.5**	**23.6**	**15.6**	**30.6**	**20.8**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**29.7**	**31.7**	**27.1**	**46.6**	**39.3**	**28**	**37**	**49.9**	**46.8**	**22.4**	**53.5**	**33.9**
Zinc	**54.5**	**79.5**	**38.9**	**66.5**	**54.5**	**44.3**	**54.5**	**72.5**	**67**	**35.6**	**72**	**46.2**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-
Aroclor-1260 (PCB-1260)	**0.05 J**	ND (0.04)	-	ND (0.04)	ND (0.04)	-	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-
Butyl benzylphthalate	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-
Diethyl phthalate	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**103**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**30.8**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**71.7**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0026	DP0026	DP0026	DP0027	DP0027	DP0027	DP0028	DP0028	DP0028	DP0028	DP0029	DP0029
Sample Date	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 2 (ft)	1 - 2 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0026-SS-001-01	DP0026-SS-005-01	DP0026-SS-010-01	DP0027-SS-001-01	DP0027-SS-005-01	DP0027-SS-010-01	DP0028-SS-001-01	DP0028-SS-001-02	DP0028-SS-005-01	DP0028-SS-010-01	DP0029-SS-005-01	DP0029-SS-010-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	**0.0059 J**	ND (0.005)	ND (0.005)	ND (0.005)	**0.008 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	**0.0271**	**0.0306**	ND (0.005)	ND (0.005)	**0.0141**	**0.0058 J**	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0030	DP0030	DP0031	DP0031	DP0032	DP0032	DP0033	DP0033	DP0034	DP0034	DP0035	DP0035
Sample Date	10/21/2005	10/21/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0030-SS-005-01	DP0030-SS-010-01	DP0031-SS-005-01	DP0031-SS-010-01	DP0032-SS-005-01	DP0032-SS-010-01	DP0033-SS-005-01	DP0033-SS-010-01	DP0034-SS-005-01	DP0034-SS-010-01	DP0035-SS-005-01	DP0035-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**4.45 J**	ND (1)	**4.95 J**	**4.2 J**	**2.05 J**	**4.55 J**	**2.95 J**	**2.45 J**	**3.25 J**	**2.75 J**	**2.8 J**	**4 J**
Barium	**233**	**128**	**118**	**99**	**141**	**104**	**119**	**117**	**177**	**117**	**147**	**83**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**25.4**	**13.2**	**14.4**	**12.2**	**20.6**	**12**	**18.1**	**13.7**	**19.4**	**13.8**	**20.4**	**10.2**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**8.7**	**5.85**	**6.1**	**5.35**	**8.3**	**4.75 J**	**6.9**	**5.2**	**8.75**	**6.25**	**7.2**	**4.8 J**
Copper	**33.4**	**20.6**	**16.4**	**14.4**	**23.6**	**14.9**	**20.2**	**14.8**	**25.4**	**15**	**22.6**	**11.7**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**6.4**	**4.7 J**	**3.4 J**	**2.8 J**	**4.4 J**	ND (2.5)	**3.9 J**	ND (2.5)	**5.2**	**3.05 J**	**4.35 J**	ND (2.5)
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	**2.8 J**	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**31.3**	**19.1**	**19.4**	**16.4**	**26.1**	**17.2**	**23**	**17.3**	**28.9**	**18.4**	**24.9**	**17.4**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**49**	**28.4**	**29.4**	**26.1**	**41.1**	**26.6**	**35.2**	**28.1**	**38**	**27.8**	**39.4**	**23.1**
Zinc	**74**	**43.8**	**166**	**38.6**	**56.5**	**36.2**	**49.6**	**38.6**	**60**	**38.1**	**55.5**	**31.1**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-
bis(2-Ethylhexyl)phthalate	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-
Butyl benzylphthalate	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-
Diethyl phthalate	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0030	DP0030	DP0031	DP0031	DP0032	DP0032	DP0033	DP0033	DP0034	DP0034	DP0035	DP0035
Sample Date	10/21/2005	10/21/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0030-SS-005-01	DP0030-SS-010-01	DP0031-SS-005-01	DP0031-SS-010-01	DP0032-SS-005-01	DP0032-SS-010-01	DP0033-SS-005-01	DP0033-SS-010-01	DP0034-SS-005-01	DP0034-SS-010-01	DP0035-SS-005-01	DP0035-SS-010-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0169**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0036	DP0036	DP0036	DP0037	DP0037	DP0038	DP0038	DP0038	DP0039	DP0039	DP0039	DP0040
Sample Date	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/25/2005	10/25/2005	10/25/2005	10/24/2005	10/24/2005	10/24/2005	11/10/2005
Sample Type	N	N	N	N	N	N	FD	N	N	FD	N	N
Sample Depth (bgs)	1 - 1.5 (ft)	9.5 - 10 (ft)	15 - 15.5 (ft)	9.5 - 10 (ft)	15 - 15.5 (ft)	5 - 6 (ft)	5 - 6 (ft)	9.5 - 10 (ft)	5 - 6 (ft)	5 - 6 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)
Sample Name	DP0036-SS-001-01	DP0036-SS-010-01	DP0036-SS-015-01	DP0037-SS-010-01	DP0037-SS-015-01	DP0038-SS-005-01	DP0038-SS-005-02	DP0038-SS-010-01	DP0039-SS-005-01	DP0039-SS-005-02	DP0039-SS-010-01	DP0040-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-
Arsenic	**3.05 J**	**4.05 J**	**1.95 J**	**4.25 J**	**3.15 J**	**3.3 J**	**3.1 J**	**3.2 J**	**4.35 J**	**3.85 J**	**2.55 J**	-
Barium	**117**	**85**	**204**	**155**	**126**	**125**	**110**	**124**	**155**	**130**	**102**	-
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-
Chromium	**20.1**	**11.8**	**16.8**	**10.4**	**12.8**	**19.6**	**18.3**	**17.7**	**18.9**	**23.9**	**13.3**	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**7.25**	**4.4 J**	**5.85**	**5.55**	**5.05**	**8.65**	**6.45**	**6.7**	**6.7**	**8.05**	**6.45**	-
Copper	**25.8**	**11.9**	**18.2**	**12.8**	**14.6**	**21.9**	**19.6**	**19**	**19.6**	**24.8**	**14.1**	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**7.75**	**2.7 J**	**3.15 J**	**2.85 J**	ND (2.5)	**5.6**	**4.1 J**	**3.45 J**	**3.7 J**	**4.7 J**	**2.5 J**	-
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	-
Nickel	**24.1**	**14.8**	**19.2**	**16.6**	**21.4**	**21.5**	**20.6**	**21.9**	**23.2**	**27.4**	**17.6**	-
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-
Vanadium	**42**	**23.2**	**33.6**	**27.6**	**28.4**	**43.2**	**38.2**	**34.4**	**36.4**	**47.9**	**28.4**	-
Zinc	**56**	**30.9**	**46.9**	**38.3**	**37.4**	**56**	**49.5**	**47.6**	**49**	**60.5**	**39.2**	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0036	DP0036	DP0036	DP0037	DP0037	DP0038	DP0038	DP0038	DP0039	DP0039	DP0039	DP0040
Sample Date	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/24/2005	10/25/2005	10/25/2005	10/25/2005	10/24/2005	10/24/2005	10/24/2005	11/10/2005
Sample Type	N	N	N	N	N	N	FD	N	N	FD	N	N
Sample Depth (bgs)	1 - 1.5 (ft)	9.5 - 10 (ft)	15 - 15.5 (ft)	9.5 - 10 (ft)	15 - 15.5 (ft)	5 - 6 (ft)	5 - 6 (ft)	9.5 - 10 (ft)	5 - 6 (ft)	5 - 6 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)
Sample Name	DP0036-SS-001-01	DP0036-SS-010-01	DP0036-SS-015-01	DP0037-SS-010-01	DP0037-SS-015-01	DP0038-SS-005-01	DP0038-SS-005-02	DP0038-SS-010-01	DP0039-SS-005-01	DP0039-SS-005-02	DP0039-SS-010-01	DP0040-SS-001-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	-
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.005 J**	ND (0.005)	ND (0.005)	-
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0040	DP0040	DP0041	DP0041	DP0042	DP0042	DP0043	DP0043	DP0044	DP0044	DP0045	DP0045
Sample Date	11/10/2005	11/10/2005	11/10/2005	11/10/2005	10/24/2005	10/25/2005	11/10/2005	11/10/2005	10/24/2005	10/24/2005	10/25/2005	10/25/2005
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4 - 5 (ft)	4 - 5 (ft)	1 - 1.5 (ft)	4.5 - 5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	2 - 2.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0040-SS-005-01	DP0040-SS-005-02	DP0041-SS-001-01	DP0041-SS-005-01	DP0042-SS-001-01	DP0042-SS-005-01	DP0043-SS-001-01	DP0043-SS-005-01	DP0044-SS-001-01	DP0044-SS-005-01	DP0045-SS-002-01	DP0045-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	ND (1)	ND (1)	**3.35 J**	ND (1)	ND (1)	ND (1)	-	-
Arsenic	-	-	-	-	**4.5 J**	**3.25 J**	**6.8**	**2.2 J**	**3.75 J**	**4.55 J**	-	-
Barium	-	-	-	-	**97.5**	**118**	**83.5**	**114**	**128**	**151**	-	-
Beryllium	-	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	-
Cadmium	-	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	-
Chromium	-	-	-	-	**22.3**	**19.3**	**11.7**	**13.3**	**19.6**	**19.2**	-	-
Chromium VI (Hexavalent)	-	-	-	-	ND (0.2)	-	-	-	ND (0.2)	-	-	-
Cobalt	-	-	-	-	**8.05**	**7.2**	**5**	**5**	**8.95**	**7.7**	-	-
Copper	-	-	-	-	**16.7**	**21.5**	**10.2**	**16.3**	**22.9**	**21.3**	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	**4.45 J**	**4.8 J**	**10.2**	**4.3 J**	**12.2**	**3.7 J**	-	-
Mercury	-	-	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	-
Molybdenum	-	-	-	-	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	**4.85 J**	**3.65 J**	-	-
Nickel	-	-	-	-	**18.3**	**25.5**	**15.4**	**16.4**	**24.3**	**25.7**	-	-
Selenium	-	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	-
Vanadium	-	-	-	-	**39.7**	**37.8**	**27**	**29.4**	**39.8**	**38.5**	-	-
Zinc	-	-	-	-	**46.2**	**53**	**38.9**	**37.1**	**48.3**	**51**	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
Butyl benzylphthalate	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
Diethyl phthalate	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	**7.64 J**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	**7.64 J**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
1,1,2-Trichloroethane	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0040	DP0040	DP0041	DP0041	DP0042	DP0042	DP0043	DP0043	DP0044	DP0044	DP0045	DP0045
Sample Date	11/10/2005	11/10/2005	11/10/2005	11/10/2005	10/24/2005	10/25/2005	11/10/2005	11/10/2005	10/24/2005	10/24/2005	10/25/2005	10/25/2005
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4 - 5 (ft)	4 - 5 (ft)	1 - 1.5 (ft)	4.5 - 5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	2 - 2.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0040-SS-005-01	DP0040-SS-005-02	DP0041-SS-001-01	DP0041-SS-005-01	DP0042-SS-001-01	DP0042-SS-005-01	DP0043-SS-001-01	DP0043-SS-005-01	DP0044-SS-001-01	DP0044-SS-005-01	DP0045-SS-002-01	DP0045-SS-005-01
1,1-Dichloroethane	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
1,1-Dichloroethene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
1,2,3-Trichloropropane	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
1,2,4-Trimethylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
1,2-Dichloroethane	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
1,3,5-Trimethylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
Acetone	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-
Benzene	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
Carbon disulfide	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-
cis-1,2-Dichloroethene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	-	-
Ethylbenzene	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
Isopropylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
m,p-Xylenes	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
Methylene chloride	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-
n-Propylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
o-Xylene	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
Styrene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
Tetrachloroethene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
Toluene	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
trans-1,2-Dichloroethene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
Trichloroethene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0046	DP0046	DP0047	DP0047	DP0048	DP0048	DP0049	DP0049	DP0049	DP0050	DP0050	DP0051
Sample Date	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/24/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	10/25/2005
Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	0.5 - 1.5 (ft)	0.5 - 1.5 (ft)	4.5 - 5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)
Sample Name	DP0046-SS-005-01	DP0046-SS-010-01	DP0047-SS-005-01	DP0047-SS-010-01	DP0048-SS-005-01	DP0048-SS-010-01	DP0049-SS-001-02	DP0049-SS-001-01	DP0049-SS-005-01	DP0050-SS-005-01	DP0050-SS-010-01	DP0051-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	-	ND (1)	ND (1)	ND (1)
Arsenic	**3.6 J**	**4.55 J**	**3.4 J**	**1.9 J**	**2.8 J**	**2.1 J**	**1.95 J**	-	-	**4.8 J**	**2.7 J**	**2.55 J**
Barium	**118**	**82**	**154**	**58.5**	**185**	**132**	**95.5**	-	-	**163**	**121**	**120**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	-	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	-	**1.3 J**	ND (1.3)	ND (1.3)
Chromium	**24.3**	**9.85**	**18.4**	**7.2**	**22.1**	**14.3**	ND (2.5)	-	-	**19.5**	**19.8**	**19.3**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**7.95**	**5.1**	**6.7**	**3.8 J**	**8.25**	**6.2**	**7.3**	-	-	**8.4**	**7.5**	**8.25**
Copper	**23.1**	**10.3**	**19.3**	**8.1**	**25**	**15.4**	**4.65 J**	-	-	**29**	**25.7**	**19.8**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**5.05**	ND (2.5)	**3.9 J**	ND (2.5)	**4.6 J**	**2.55 J**	**8.4**	-	-	**16.9**	**6.05**	**4.35 J**
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	-	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	-	-	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**27.4**	**13**	**21.9**	**10.2**	**29.9**	**18.2**	ND (2.5)	-	-	**24.5**	**27.6**	**27**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	**7.75**	-	-	ND (1)	ND (1)	ND (1)
Vanadium	**48.6**	**28.4**	**36.5**	**16.2**	**43.6**	**29.6**	**19.5**	-	-	**44.7**	**40.5**	**40.8**
Zinc	**59**	**28.7**	**49.5**	**20.5**	**61**	**40.7**	**26.8**	-	-	**60.5**	**59.5**	**54**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	ND (0.25)	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	ND (0.25)	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	ND (0.25)	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	ND (0.25)	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**2390**	**34.3**	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**285**	**6.28 J**	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**2110**	**28**	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0046	DP0046	DP0047	DP0047	DP0048	DP0048	DP0049	DP0049	DP0049	DP0050	DP0050	DP0051
Sample Date	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/24/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	10/25/2005
Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	0.5 - 1.5 (ft)	0.5 - 1.5 (ft)	4.5 - 5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)
Sample Name	DP0046-SS-005-01	DP0046-SS-010-01	DP0047-SS-005-01	DP0047-SS-010-01	DP0048-SS-005-01	DP0048-SS-010-01	DP0049-SS-001-02	DP0049-SS-001-01	DP0049-SS-005-01	DP0050-SS-005-01	DP0050-SS-010-01	DP0051-SS-005-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	-	-	-	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0051	DP0052	DP0052	DP0053	DP0053	DP0054	DP0054	DP0055	DP0055	DP0056	DP0056	DP0057
Sample Date	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/26/2005	10/26/2005	11/10/2005	11/10/2005	10/21/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)
Sample Name	DP0051-SS-010-01	DP0052-SS-005-01	DP0052-SS-010-01	DP0053-SS-005-01	DP0053-SS-010-01	DP0054-SS-005-01	DP0054-SS-010-01	DP0055-SS-005-01	DP0055-SS-010-01	DP0056-SS-005-01	DP0056-SS-010-01	DP0057-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**4.4 J**	**3.65 J**	**3.55 J**	**3.45 J**	**2.75 J**	**4.35 J**	**4.25 J**	**2.75 J**	**3.2 J**	**1.75 J**	**3.15 J**	ND (1)
Barium	**87**	**150**	**108**	**94.5**	**179**	**124**	**111**	**92.5**	**72**	**96.5**	**103**	**101**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**9**	**19.9**	**12.8**	**13**	**12.2**	**16.3**	**11.4**	**11.5**	**11.1**	**15.7**	**12.9**	**6.75**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**4.55 J**	**7.05**	**5.8**	**5.4**	**5.35**	**6.1**	**6.2**	**5.65**	**5.3**	**6**	**4.95 J**	**5.55**
Copper	**11.1**	**23.5**	**14.1**	**14.9**	**15.1**	**17.8**	**12.7**	**14.1**	**12.7**	**20.2**	**15.4**	**8.4**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**3.7 J**	**5.15**	**3.75 J**	**4.3 J**	**2.95 J**	**4.6 J**	**3.25 J**	**3.35 J**	**3.15 J**	**6.2**	**4.1 J**	**3.95 J**
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**12.8**	**24.5**	**17.8**	**18.6**	**16.6**	**20.2**	**19.8**	**17.1**	**15.8**	**19.8**	**16.8**	**7.3**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**20.9**	**38.8**	**26.5**	**27.7**	**30.1**	**33.8**	**24**	**24.8**	**23.5**	**32.2**	**26.4**	**19.9**
Zinc	**27.6**	**54**	**35.6**	**38.6**	**40.2**	**44.8**	**32.7**	**37.3**	**33**	**45.9**	**37.5**	**45**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	ND (0.25)	ND (0.25)	-	-	-	-	ND (0.25)
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (0.25)	ND (0.25)	-	-	-	-	ND (0.25)
Butyl benzylphthalate	-	-	-	-	-	ND (0.25)	ND (0.25)	-	-	-	-	ND (0.25)
Diethyl phthalate	-	-	-	-	-	ND (0.25)	ND (0.25)	-	-	-	-	ND (0.25)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**27.5**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**27.5**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0051	DP0052	DP0052	DP0053	DP0053	DP0054	DP0054	DP0055	DP0055	DP0056	DP0056	DP0057
Sample Date	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/25/2005	10/26/2005	10/26/2005	11/10/2005	11/10/2005	10/21/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)
Sample Name	DP0051-SS-010-01	DP0052-SS-005-01	DP0052-SS-010-01	DP0053-SS-005-01	DP0053-SS-010-01	DP0054-SS-005-01	DP0054-SS-010-01	DP0055-SS-005-01	DP0055-SS-010-01	DP0056-SS-005-01	DP0056-SS-010-01	DP0057-SS-001-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0057	DP0057	DP0058	DP0058	DP0058	DP0058	DP0059	DP0059	DP0059	DP0060	DP0060	DP0061
Sample Date	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005
Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 2 (ft)	1 - 2 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)
Sample Name	DP0057-SS-005-01	DP0057-SS-010-01	DP0058-SS-001-01	DP0058-SS-001-02	DP0058-SS-005-01	DP0058-SS-010-01	DP0059-SS-001-01	DP0059-SS-005-01	DP0059-SS-010-01	DP0060-SS-005-01	DP0060-SS-010-01	DP0061-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**2.4 J**	**3.8 J**	**2.6 J**	ND (1)	ND (1)	**2.55 J**	**1.85 J**	**2.85 J**	**4.3 J**	**3.75 J**	**4.05 J**	ND (1)
Barium	**267**	**132**	**89.5**	**84.5**	**103**	**117**	**76**	**102**	**122**	**114**	**114**	**83**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	**5.15**	ND (1.3)	ND (1.3)
Chromium	**8.35**	**18**	**7.6**	**7.4**	**18.8**	**14**	**8.05**	**10.1**	**11.2**	**17.3**	**13.4**	**6.8**
Chromium VI (Hexavalent)	-	-	-	-	ND (0.2)	-	-	-	-	-	-	-
Cobalt	**4.65 J**	**5.65**	**5.85**	**4.9 J**	**6.75**	**4.8 J**	**7.3**	**6.55**	**5.05**	**6.7**	**5.9**	**5.7**
Copper	**9.2**	**17.4**	**10.8**	**10.3**	**22.7**	**16.1**	**17.9**	**14.2**	**14.5**	**25.3**	**19.7**	**9.3**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**4.15 J**	**4.4 J**	**3.4 J**	**3.25 J**	**6.05**	**4.55 J**	**5.65**	**6.45**	**6.65**	**43.4**	**11.7**	**5.7**
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**7.95**	**20.3**	**9.65**	**9.5**	**22.2**	**18.4**	**18**	**18.6**	**17.9**	**22.9**	**18.2**	**7.65**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**21.6**	**31.1**	**21.4**	**19.5**	**38.8**	**28.2**	**20.8**	**25.8**	**24.1**	**38**	**28.2**	**20**
Zinc	**35.6**	**44.8**	**36.4**	**31.5**	**53**	**41.6**	**38.7**	**41.1**	**37.7**	**58**	**48.9**	**35.2**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	ND (0.04)
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	ND (0.04)
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	ND (0.04)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	ND (0.25)	-	-
bis(2-Ethylhexyl)phthalate	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	ND (0.25)	-	-
Butyl benzylphthalate	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	**0.336 J**	-	-
Diethyl phthalate	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	-	ND (0.25)	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0057	DP0057	DP0058	DP0058	DP0058	DP0058	DP0059	DP0059	DP0059	DP0060	DP0060	DP0061
Sample Date	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005
Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 2 (ft)	1 - 2 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)
Sample Name	DP0057-SS-005-01	DP0057-SS-010-01	DP0058-SS-001-01	DP0058-SS-001-02	DP0058-SS-005-01	DP0058-SS-010-01	DP0059-SS-001-01	DP0059-SS-005-01	DP0059-SS-010-01	DP0060-SS-005-01	DP0060-SS-010-01	DP0061-SS-001-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	-
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Tetrachloroethene	**0.102**	**0.0059 J**	ND (0.005)	ND (0.005)	**0.053**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0113**	ND (0.005)	-
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0061	DP0062	DP0062	DP0062	DP0063	DP0063	DP0063	DP0063	DP0064	DP0064	DP0065	DP0065
Sample Date	10/20/2005	10/21/2005	10/21/2005	10/21/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005
Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 2 (ft)	1 - 2 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0061-SS-005-01	DP0062-SS-001-01	DP0062-SS-005-01	DP0062-SS-010-01	DP0063-SS-001-01	DP0063-SS-001-02	DP0063-SS-005-01	DP0063-SS-010-01	DP0064-SS-005-01	DP0064-SS-010-01	DP0065-SS-005-01	DP0065-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**2.6 J**	**1.95 J**	ND (1)	**2.85 J**	**3.2 J**	**1.95 J**	**4.7 J**	**4.45 J**	**2.45 J**	**3.7 J**	**2.25 J**	**4.25 J**
Barium	**108**	**124**	**86.5**	**172**	**77.5**	**122**	**152**	**110**	**188**	**106**	**109**	**129**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**13.6**	**9.45**	**10.3**	**13.1**	**5.65**	**13.8**	**23.3**	**14**	**8.2**	**12.7**	**11.4**	**14.4**
Chromium VI (Hexavalent)	**0.31**	-	-	-	-	-	ND (0.2)	-	-	-	-	-
Cobalt	**6.25**	**5.05**	**5.05**	**4.9 J**	**4.8 J**	**6.9**	**8.8**	**4.95 J**	**4.05 J**	**4.6 J**	**5.55**	**5.3**
Copper	**12.9**	**14.4**	**9.8**	**14.9**	**9.45**	**20.4**	**30.4**	**18.8**	**12.3**	**15.6**	**11.3**	**18**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**6.65**	**4.6 J**	**3.45 J**	**4.1 J**	**7.85**	**9.3**	**10.2**	**7.7**	**2.95 J**	**4.25 J**	**11**	**4.9 J**
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**9.65**	**7.55**	**8.5**	**17**	**7.05**	**17.7**	**27.3**	**18.5**	**6.5**	**16.7**	**10.7**	**17**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**23.2**	**20.5**	**18.8**	**26.5**	**16.3**	**28**	**51.5**	**29.1**	**16.8**	**26.4**	**22.7**	**28.9**
Zinc	**41.4**	**96.5**	**32.9**	**37.7**	**34.4**	**62.5**	**68.5**	**46**	**28.4**	**39.5**	**37.4**	**44.9**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.04)	-	-	-	ND (0.04)	-	ND (0.04)	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ND (0.04)	-	-	-	ND (0.04)	-	ND (0.04)	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ND (0.04)	-	-	-	ND (0.04)	-	ND (0.04)	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-
Butyl benzylphthalate	-	**0.63**	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-
Diethyl phthalate	-	ND (0.25)	ND (0.25)	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	-	-	-	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	-	-	-	-	-	-	-	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	-	-	-	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	-	-	-	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0061	DP0062	DP0062	DP0062	DP0063	DP0063	DP0063	DP0063	DP0064	DP0064	DP0065	DP0065
Sample Date	10/20/2005	10/21/2005	10/21/2005	10/21/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005
Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 2 (ft)	1 - 2 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0061-SS-005-01	DP0062-SS-001-01	DP0062-SS-005-01	DP0062-SS-010-01	DP0063-SS-001-01	DP0063-SS-001-02	DP0063-SS-005-01	DP0063-SS-010-01	DP0064-SS-005-01	DP0064-SS-010-01	DP0065-SS-005-01	DP0065-SS-010-01
1,1-Dichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0145**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0066	DP0066	DP0067	DP0067	DP0068	DP0068	DP0068	DP0069	DP0069	DP0070	DP0070	DP0071
Sample Date	11/11/2005	11/11/2005	11/10/2005	11/10/2005	10/26/2005	10/26/2005	10/26/2005	10/25/2005	10/25/2005	10/24/2005	10/26/2005	10/26/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0066-SS-005-01	DP0066-SS-010-01	DP0067-SS-005-01	DP0067-SS-010-01	DP0068-SS-001-01	DP0068-SS-005-01	DP0068-SS-010-01	DP0069-SS-005-01	DP0069-SS-010-01	DP0070-SS-010-01	DP0070-SS-005-01	DP0071-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**4.35 J**	**2.65 J**	**4.25 J**	**2.25 J**	**1.55 J**	**1.85 J**	**4.3 J**	**2.05 J**	**2.9 J**	**4.05 J**	**3.35 J**	**2.9 J**
Barium	**152**	**148**	**161**	**96**	**120**	**72.9**	**137**	**125**	**93**	**136**	**118**	**106**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**14**	**13.6**	**13**	**17.4**	**11.9**	**18.9**	**11.4**	**18.9**	**14.9**	**11.9**	**12.4**	**12.6**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**6.2**	**5.35**	**6.35**	**6.6**	**4.35 J**	**6.45**	**4.7 J**	**6.65**	**7.25**	**4.85 J**	**5.5**	**5.5**
Copper	**17.4**	**17.4**	**16.3**	**20.6**	**12.7**	**20.2**	**13.9**	**20.2**	**15.1**	**13.7**	**15.5**	**15.4**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**4.1 J**	**4.55 J**	**4.35 J**	**4.7 J**	**3.15 J**	**4.4 J**	**3 J**	**4.45 J**	**4.2 J**	ND (2.5)	**3.65 J**	**3.6 J**
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**21.6**	**18.2**	**20.8**	**21.6**	**6.15**	**21.9**	**17.9**	**22.4**	**17.5**	**16.2**	**17.3**	**22.3**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**37.1**	**28.3**	**33.2**	**35.2**	**18.7**	**37.5**	**23.6**	**37.4**	**30**	**22.8**	**27.2**	**29**
Zinc	**40.3**	**43.7**	**37.4**	**49.6**	**27.7**	**47.5**	**34.6**	**49.7**	**39.6**	**34.8**	**39.7**	**41.5**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	ND (0.04)	ND (0.04)	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	ND (0.04)	ND (0.04)	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	ND (0.04)	ND (0.04)	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	ND (0.25)	ND (0.25)	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	ND (0.25)	ND (0.25)	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	ND (0.25)	ND (0.25)	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	ND (0.25)	ND (0.25)	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**21.4**	**13.6**	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**21.4**	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**12**	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0098 J**	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0066	DP0066	DP0067	DP0067	DP0068	DP0068	DP0068	DP0069	DP0069	DP0070	DP0070	DP0071
Sample Date	11/11/2005	11/11/2005	11/10/2005	11/10/2005	10/26/2005	10/26/2005	10/26/2005	10/25/2005	10/25/2005	10/24/2005	10/26/2005	10/26/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0066-SS-005-01	DP0066-SS-010-01	DP0067-SS-005-01	DP0067-SS-010-01	DP0068-SS-001-01	DP0068-SS-005-01	DP0068-SS-010-01	DP0069-SS-005-01	DP0069-SS-010-01	DP0070-SS-010-01	DP0070-SS-005-01	DP0071-SS-005-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	**0.0218**	**0.0279**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0491**	**0.0074 J**	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0162**	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0071	DP0071	DP0071	DP0072	DP0072	DP0072	DP0073	DP0073	DP0074	DP0074	DP0075	DP0075
Sample Date	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 11 (ft)	9.5 - 11 (ft)	15 - 15.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	15 - 15.5 (ft)	5 - 5.5 (ft)	9 - 9.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0071-SS-010-01	DP0071-SS-010-02	DP0071-SS-015-01	DP0072-SS-005-01	DP0072-SS-010-01	DP0072-SS-015-01	DP0073-SS-005-01	DP0073-SS-009-01	DP0074-SS-005-01	DP0074-SS-010-01	DP0075-SS-005-01	DP0075-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**4.4 J**	**2.95 J**	**4.8 J**	**4.45 J**	**4.4 J**	**4.75 J**	**2.45 J**	**4.25 J**	**3.55 J**	**3.5 J**	**2.6 J**	**3.1 J**
Barium	**118**	**108**	**95.9**	**113**	**77**	**68.4**	**91.3**	**106**	**82.7**	**162**	**94.3**	**146**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**18**	**16.8**	**14**	**12.2**	**15.4**	**11.3**	**12.1**	**13**	**12.5**	**18.2**	**12.7**	**17.9**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**5.95**	**6.25**	**5.15**	**6.05**	**5.45**	**5.5**	**5.75**	**5.65**	**4.8 J**	**5.7**	**5.25**	**5.55**
Copper	**20.4**	**20**	**16.3**	**14.2**	**17.7**	**22.9**	**14**	**16.5**	**12.2**	**18.6**	**13.4**	**17.6**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**4.15 J**	**3.6 J**	**3.5 J**	**4.5 J**	**3.45 J**	**3.25 J**	**3.4 J**	**3 J**	**2.5 J**	**3.15 J**	**3 J**	**2.8 J**
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**22.1**	**23.2**	**17.3**	**19.1**	**21.4**	**16.1**	**18**	**19**	**15.6**	**21.3**	**16.4**	**18.8**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**34.8**	**34.1**	**30**	**26.4**	**30.8**	**24.7**	**25.7**	**27.7**	**26.4**	**34.5**	**28.1**	**34.2**
Zinc	**50**	**48.9**	**43.8**	**37.5**	**42.6**	**42.6**	**36.3**	**41.9**	**38**	**50.9**	**41.8**	**48.6**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0071	DP0071	DP0071	DP0072	DP0072	DP0072	DP0073	DP0073	DP0074	DP0074	DP0075	DP0075
Sample Date	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 11 (ft)	9.5 - 11 (ft)	15 - 15.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	15 - 15.5 (ft)	5 - 5.5 (ft)	9 - 9.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0071-SS-010-01	DP0071-SS-010-02	DP0071-SS-015-01	DP0072-SS-005-01	DP0072-SS-010-01	DP0072-SS-015-01	DP0073-SS-005-01	DP0073-SS-009-01	DP0074-SS-005-01	DP0074-SS-010-01	DP0075-SS-005-01	DP0075-SS-010-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.0053 J**	ND (0.005)	**0.0064 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0081 J**	**0.0094 J**	**0.0122**	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0076	DP0076	DP0076	DP0077	DP0077	DP0078	DP0078	DP0079	DP0079	DP0080	DP0080	DP0081
Sample Date	11/11/2005	11/11/2005	11/11/2005	10/25/2005	10/25/2005	10/24/2005	10/26/2005	10/26/2005	10/26/2005	10/25/2005	10/25/2005	10/25/2005
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 - 2 (ft)	1 - 2 (ft)	4.5 - 5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)
Sample Name	DP0076-SS-001-01	DP0076-SS-001-02	DP0076-SS-005-01	DP0077-SS-005-01	DP0077-SS-010-01	DP0078-SS-005-01	DP0078-SS-010-01	DP0079-SS-005-01	DP0079-SS-010-01	DP0080-SS-005-01	DP0080-SS-010-01	DP0081-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	-	-	-	**3.85 J**	**3.05 J**	**4.1 J**	**2.7 J**	**2.55 J**	**3.7 J**	**2.7 J**	**3.55 J**	**4.1 J**
Barium	-	-	-	**127**	**144**	**143**	**86**	**85**	**133**	**81.5**	**170**	**90.5**
Beryllium	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	-	-	-	**17.9**	**18.1**	**15.9**	**14.5**	**12.9**	**12.8**	**10.8**	**18.7**	**11.4**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	**6.8**	**6.6**	**5.75**	**4.55 J**	**4.75 J**	**4.6 J**	**5.85**	**5.5**	**4.85 J**
Copper	-	-	-	**19.9**	**20**	**17.6**	**13.3**	**13.2**	**11.7**	**12.2**	**20.1**	**12.2**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	**4.15 J**	**4.4 J**	**3.25 J**	ND (2.5)	**3 J**	ND (2.5)	**2.8 J**	**3.35 J**	**3.05 J**
Mercury	-	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	-	-	-	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	-	-	-	**22.1**	**24.4**	**19.7**	**18.5**	**15.7**	**16.7**	**16.8**	**23**	**16.8**
Selenium	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	-	-	-	**39.8**	**36.2**	**31.9**	**29.5**	**26.3**	**25**	**25.8**	**35.3**	**23.7**
Zinc	-	-	-	**50.5**	**51**	**51.5**	**43**	**41.2**	**36.8**	**34.2**	**51.5**	**36**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**60.5**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	**60.5**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0076	DP0076	DP0076	DP0077	DP0077	DP0078	DP0078	DP0079	DP0079	DP0080	DP0080	DP0081
Sample Date	11/11/2005	11/11/2005	11/11/2005	10/25/2005	10/25/2005	10/24/2005	10/26/2005	10/26/2005	10/26/2005	10/25/2005	10/25/2005	10/25/2005
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 - 2 (ft)	1 - 2 (ft)	4.5 - 5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)
Sample Name	DP0076-SS-001-01	DP0076-SS-001-02	DP0076-SS-005-01	DP0077-SS-005-01	DP0077-SS-010-01	DP0078-SS-005-01	DP0078-SS-010-01	DP0079-SS-005-01	DP0079-SS-010-01	DP0080-SS-005-01	DP0080-SS-010-01	DP0081-SS-005-01
1,1-Dichloroethane	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	-	-	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0081	DP0082	DP0082	DP0082	DP0083	DP0083	DP0084	DP0084	DP0085	DP0085	DP0086	DP0086
Sample Date	10/25/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/25/2005	10/25/2005	11/11/2005	11/11/2005
Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 11 (ft)	9.5 - 11 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)
Sample Name	DP0081-SS-010-01	DP0082-SS-005-01	DP0082-SS-010-01	DP0082-SS-010-02	DP0083-SS-005-01	DP0083-SS-010-01	DP0084-SS-005-01	DP0084-SS-010-01	DP0085-SS-005-01	DP0085-SS-010-01	DP0086-SS-010-01	DP0086-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	-
Arsenic	**4.35 J**	**4.05 J**	**4.5 J**	**3.35 J**	**4.2 J**	**3.75 J**	**4.55 J**	**3.2 J**	**3.2 J**	**3.6 J**	-	-
Barium	**106**	**98.4**	**124**	**106**	**72.6**	**122**	**97.3**	**148**	**67.7**	**67.9**	-	-
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	-
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	-
Chromium	**17.8**	**15.4**	**15.7**	**11.8**	**13.5**	**15.5**	**15.6**	**23.7**	**17.2**	**12**	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**7.2**	**5.95**	**5.9**	**4.2 J**	**5.85**	**5.1**	**6.2**	**6.5**	**5.45**	**4.55 J**	-	-
Copper	**19.1**	**15.4**	**17**	**12**	**13.8**	**15.5**	**15.9**	**23.6**	**18.4**	**14.1**	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**3.6 J**	**3.5 J**	**2.75 J**	ND (2.5)	**3.7 J**	**2.55 J**	**3.5 J**	**4.45 J**	**3.65 J**	**3.15 J**	-	-
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	-
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	-	-
Nickel	**25.3**	**18.8**	**17.6**	**12.7**	**15.3**	**17**	**19.2**	**23.4**	**19.8**	**13.5**	-	-
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	-
Vanadium	**36.7**	**32.4**	**31.3**	**23.5**	**30.1**	**30.4**	**32.6**	**41.8**	**35.4**	**25.2**	-	-
Zinc	**51**	**47**	**49**	**35.9**	**43.8**	**43.6**	**49.6**	**61.4**	**47.1**	**35.4**	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0081	DP0082	DP0082	DP0082	DP0083	DP0083	DP0084	DP0084	DP0085	DP0085	DP0086	DP0086
Sample Date	10/25/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/26/2005	10/25/2005	10/25/2005	11/11/2005	11/11/2005
Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 11 (ft)	9.5 - 11 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)
Sample Name	DP0081-SS-010-01	DP0082-SS-005-01	DP0082-SS-010-01	DP0082-SS-010-02	DP0083-SS-005-01	DP0083-SS-010-01	DP0084-SS-005-01	DP0084-SS-010-01	DP0085-SS-005-01	DP0085-SS-010-01	DP0086-SS-010-01	DP0086-SS-015-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0313**	**0.0601**
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0087	DP0087	DP0087	DP0088	DP0088	DP0089	DP0089	DP0090	DP0090	DP0090	DP0090	DP0090
Sample Date	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005
Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	1.5 - 2 (ft)	1.5 - 2 (ft)	2 - 2.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0087-SS-005-01	DP0087-SS-010-01	DP0087-SS-015-01	DP0088-SS-010-01	DP0088-SS-015-01	DP0089-SS-010-01	DP0089-SS-015-01	DP0090-SS-002-01	DP0090-SS-002-02	DP0090-SS-003-01	DP0090-SS-005-01	DP0090-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0087	DP0087	DP0087	DP0088	DP0088	DP0089	DP0089	DP0090	DP0090	DP0090	DP0090	DP0090	DP0090
Sample Date	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/10/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005
Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	1.5 - 2 (ft)	1.5 - 2 (ft)	2 - 2.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	
Sample Name	DP0087-SS-005-01	DP0087-SS-010-01	DP0087-SS-015-01	DP0088-SS-010-01	DP0088-SS-015-01	DP0089-SS-010-01	DP0089-SS-015-01	DP0090-SS-002-01	DP0090-SS-002-02	DP0090-SS-003-01	DP0090-SS-005-01	DP0090-SS-010-01	
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
Tetrachloroethene	**0.0247**	ND (0.005)	**0.0283**	**0.0325**	**0.0845**	**0.011**	**0.0257**	ND (0.005)	ND (0.005)	**0.0411**	**0.0285**	**0.0086 J**	
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-	
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0090	DP0091	DP0091	DP0091	DP0092	DP0092	DP0092	DP0093	DP0093	DP0093	DP0094	DP0094
Sample Date	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005
Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	14.5 - 15 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0090-SS-015-01	DP0091-SS-005-01	DP0091-SS-010-01	DP0091-SS-015-01	DP0092-SS-005-01	DP0092-SS-010-01	DP0092-SS-015-01	DP0093-SS-010-01	DP0093-SS-010-02	DP0093-SS-015-01	DP0094-SS-005-01	DP0094-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	ND (1)	ND (1)
Arsenic	-	-	-	-	-	-	-	-	-	-	**3.55 J**	**4.1 J**
Barium	-	-	-	-	-	-	-	-	-	-	**129**	**126**
Beryllium	-	-	-	-	-	-	-	-	-	-	ND (1.3)	ND (1.3)
Cadmium	-	-	-	-	-	-	-	-	-	-	ND (1.3)	ND (1.3)
Chromium	-	-	-	-	-	-	-	-	-	-	**16.8**	**11.5**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	**6.95**	**4.75 J**
Copper	-	-	-	-	-	-	-	-	-	-	**21.5**	**14.3**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	**6.45**	**3.6 J**
Mercury	-	-	-	-	-	-	-	-	-	-	ND (0.1)	ND (0.1)
Molybdenum	-	-	-	-	-	-	-	-	-	-	ND (2.5)	ND (2.5)
Nickel	-	-	-	-	-	-	-	-	-	-	**21.4**	**15.8**
Selenium	-	-	-	-	-	-	-	-	-	-	ND (1)	ND (1)
Vanadium	-	-	-	-	-	-	-	-	-	-	**37.3**	**25.3**
Zinc	-	-	-	-	-	-	-	-	-	-	**51**	**36.7**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0090	DP0091	DP0091	DP0091	DP0092	DP0092	DP0092	DP0093	DP0093	DP0093	DP0094	DP0094
Sample Date	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005
Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	14.5 - 15 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0090-SS-015-01	DP0091-SS-005-01	DP0091-SS-010-01	DP0091-SS-015-01	DP0092-SS-005-01	DP0092-SS-010-01	DP0092-SS-015-01	DP0093-SS-010-01	DP0093-SS-010-02	DP0093-SS-015-01	DP0094-SS-005-01	DP0094-SS-010-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.0147**	**0.03**	**0.0091 J**	**0.0125**	**0.0577**	**0.034**	**0.0289**	**0.0123**	**0.0081 J**	**0.0386**	**0.0073 J**	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0095	DP0095	DP0096	DP0096	DP0097	DP0098	DP0098	DP0098	DP0098	DP0100	DP0100	DP0100
Sample Date	11/11/2005	11/11/2005	11/11/2005	11/11/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	2.5 - 3 (ft)	0.5 - 1 (ft)	2.5 - 3 (ft)	14.5 - 15 (ft)	2 - 2.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	2 - 2.5 (ft)	3.5 - 4 (ft)
Sample Name	DP0095-SS-001-01	DP0095-SS-003-01	DP0096-SS-001-01	DP0096-SS-003-03	DP0097-SS-015-01	DP0098-SS-003-01	DP0098-SS-005-01	DP0098-SS-010-01	DP0098-SS-015-01	DP0100-SS-001-01	DP0100-SS-003-01	DP0100-SS-004-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0095	DP0095	DP0096	DP0096	DP0097	DP0098	DP0098	DP0098	DP0098	DP0100	DP0100	DP0100
Sample Date	11/11/2005	11/11/2005	11/11/2005	11/11/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	2.5 - 3 (ft)	0.5 - 1 (ft)	2.5 - 3 (ft)	14.5 - 15 (ft)	2 - 2.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	2 - 2.5 (ft)	3.5 - 4 (ft)
Sample Name	DP0095-SS-001-01	DP0095-SS-003-01	DP0096-SS-001-01	DP0096-SS-003-03	DP0097-SS-015-01	DP0098-SS-003-01	DP0098-SS-005-01	DP0098-SS-010-01	DP0098-SS-015-01	DP0100-SS-001-01	DP0100-SS-003-01	DP0100-SS-004-01
1,1-Dichloroethane	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	-	-	-	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	-	-	-	-	ND (0.005)	**0.0346**	ND (0.005)	ND (0.005)	**0.0056 J**	**0.0713**	**0.0675**	**0.0278**
Toluene	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	-	-	-	-	**0.0395**	**0.032**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0107	DP0107	DP0107	DP0108	DP0108	DP0108	DP0108	DP0109	DP0109	DP0109	DP0110	DP0110
Sample Date	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005
Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	0 - 0.5 (ft)	0.5 - 1 (ft)	1.5 - 2 (ft)	0 - 0.5 (ft)	0.5 - 1 (ft)	1 - 2 (ft)	1 - 2 (ft)	0 - 0.5 (ft)	0.5 - 1 (ft)	1.5 - 2 (ft)	0 - 0.5 (ft)	0.5 - 1 (ft)
Sample Name	DP0107-SS-000-01	DP0107-SS-001-01	DP0107-SS-002-01	DP0108-SS-000-01	DP0108-SS-001-01	DP0108-SS-002-01	DP0108-SS-002-02	DP0109-SS-000-01	DP0109-SS-001-01	DP0109-SS-002-01	DP0110-SS-000-01	DP0110-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	**32.2**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	**8.84 J**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	**23.4**	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0107	DP0107	DP0107	DP0108	DP0108	DP0108	DP0108	DP0109	DP0109	DP0109	DP0110	DP0110
Sample Date	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005	12/14/2005
Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	0 - 0.5 (ft)	0.5 - 1 (ft)	1.5 - 2 (ft)	0 - 0.5 (ft)	0.5 - 1 (ft)	1 - 2 (ft)	1 - 2 (ft)	0 - 0.5 (ft)	0.5 - 1 (ft)	1.5 - 2 (ft)	0 - 0.5 (ft)	0.5 - 1 (ft)
Sample Name	DP0107-SS-000-01	DP0107-SS-001-01	DP0107-SS-002-01	DP0108-SS-000-01	DP0108-SS-001-01	DP0108-SS-002-01	DP0108-SS-002-02	DP0109-SS-000-01	DP0109-SS-001-01	DP0109-SS-002-01	DP0110-SS-000-01	DP0110-SS-001-01
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil
   are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0110	DP0111	DP0111	DP0111	DP0111	DP0111	DP0112	DP0112	DP0112	DP0112	DP0112	DP0113
Sample Date	12/14/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1.5 - 2 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)
Sample Name	DP0110-SS-002-01	DP0111-SS-001-01	DP0111-SS-003-01	DP0111-SS-005-01	DP0111-SS-010-01	DP0111-SS-015-01	DP0112-SS-001-01	DP0112-SS-003-01	DP0112-SS-005-01	DP0112-SS-010-01	DP0112-SS-015-01	DP0113-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0110	DP0111	DP0111	DP0111	DP0111	DP0111	DP0112	DP0112	DP0112	DP0112	DP0112	DP0113
Sample Date	12/14/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1.5 - 2 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)
Sample Name	DP0110-SS-002-01	DP0111-SS-001-01	DP0111-SS-003-01	DP0111-SS-005-01	DP0111-SS-010-01	DP0111-SS-015-01	DP0112-SS-001-01	DP0112-SS-003-01	DP0112-SS-005-01	DP0112-SS-010-01	DP0112-SS-015-01	DP0113-SS-001-01
1,1-Dichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	-	**0.0096 J**	**0.0102**	ND (0.005)	ND (0.005)	**0.0121**	**0.0395**	**0.0221**	ND (0.005)	ND (0.005)	**0.0083 J**	ND (0.005)
Toluene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0113	DP0113	DP0113	DP0113	DP0114	DP0114	DP0114	DP0114	DP0114	DP0114	DP0115	DP0115
Sample Date	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005
Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)
Sample Name	DP0113-SS-003-01	DP0113-SS-005-01	DP0113-SS-010-01	DP0113-SS-015-01	DP0114-SS-001-01	DP0114-SS-003-01	DP0114-SS-005-01	DP0114-SS-010-01	DP0114-SS-010-02	DP0114-SS-015-01	DP0115-SS-001-01	DP0115-SS-003-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0113	DP0113	DP0113	DP0113	DP0114	DP0114	DP0114	DP0114	DP0114	DP0114	DP0115	DP0115
Sample Date	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005
Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)
Sample Name	DP0113-SS-003-01	DP0113-SS-005-01	DP0113-SS-010-01	DP0113-SS-015-01	DP0114-SS-001-01	DP0114-SS-003-01	DP0114-SS-005-01	DP0114-SS-010-01	DP0114-SS-010-02	DP0114-SS-015-01	DP0115-SS-001-01	DP0115-SS-003-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.0555**	**0.0124**	ND (0.005)	ND (0.005)	**0.0107**	**0.0684**	**0.0254**	**0.0091 J**	ND (0.005)	**0.0098 J**	ND (0.005)	**0.0387**
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0115	DP0115	DP0115	DP0115	DP0116	DP0116	DP0116	DP0116	DP0116	DP0117	DP0117	DP0117
Sample Date	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0115-SS-005-01	DP0115-SS-005-02	DP0115-SS-010-01	DP0115-SS-015-01	DP0116-SS-001-01	DP0116-SS-003-01	DP0116-SS-005-01	DP0116-SS-010-01	DP0116-SS-015-01	DP0117-SS-003-01	DP0117-SS-005-01	DP0117-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0115	DP0115	DP0115	DP0115	DP0116	DP0116	DP0116	DP0116	DP0116	DP0117	DP0117	DP0117
Sample Date	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0115-SS-005-01	DP0115-SS-005-02	DP0115-SS-010-01	DP0115-SS-015-01	DP0116-SS-001-01	DP0116-SS-003-01	DP0116-SS-005-01	DP0116-SS-010-01	DP0116-SS-015-01	DP0117-SS-003-01	DP0117-SS-005-01	DP0117-SS-010-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.0116**	**0.0153**	**0.0064 J**	**0.0064 J**	ND (0.005)	**0.0151**	**0.0123**	**0.0072 J**	**0.0056 J**	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0055 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0118	DP0118	DP0118	DP0118	DP0119	DP0119	DP0119	DP0119	DP0120	DP0120	DP0120	DP0120
Sample Date	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0118-SS-003-01	DP0118-SS-005-01	DP0118-SS-010-01	DP0118-SS-015-01	DP0119-SS-003-01	DP0119-SS-005-01	DP0119-SS-010-01	DP0119-SS-015-01	DP0120-SS-001-01	DP0120-SS-003-01	DP0120-SS-005-01	DP0120-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0118	DP0118	DP0118	DP0118	DP0119	DP0119	DP0119	DP0119	DP0120	DP0120	DP0120	DP0120
Sample Date	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)
Sample Name	DP0118-SS-003-01	DP0118-SS-005-01	DP0118-SS-010-01	DP0118-SS-015-01	DP0119-SS-003-01	DP0119-SS-005-01	DP0119-SS-010-01	DP0119-SS-015-01	DP0120-SS-001-01	DP0120-SS-003-01	DP0120-SS-005-01	DP0120-SS-010-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.0331**	**0.0211**	**0.0101**	**0.011**	**0.0365**	**0.0146**	**0.007 J**	ND (0.005)	**0.0238**	**0.0486**	**0.0119**	**0.0105**
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	**0.0236**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0121	DP0121	DP0121	DP0121	DP0122	DP0123	DP0124	DP0124	DP0124	DP0124	DP0126	DP0126
Sample Date	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)
Sample Name	DP0121-SS-001-01	DP0121-SS-003-01	DP0121-SS-005-01	DP0121-SS-010-01	DP0122-SS-015-01	DP0123-SS-015-01	DP0124-SS-001-01	DP0124-SS-003-01	DP0124-SS-005-01	DP0124-SS-010-01	DP0126-SS-001-01	DP0126-SS-003-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0121	DP0121	DP0121	DP0121	DP0122	DP0123	DP0124	DP0124	DP0124	DP0124	DP0126	DP0126
Sample Date	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/28/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005	12/29/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	14.5 - 15 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	9.5 - 10 (ft)	0.5 - 1 (ft)	3 - 3.5 (ft)
Sample Name	DP0121-SS-001-01	DP0121-SS-003-01	DP0121-SS-005-01	DP0121-SS-010-01	DP0122-SS-015-01	DP0123-SS-015-01	DP0124-SS-001-01	DP0124-SS-003-01	DP0124-SS-005-01	DP0124-SS-010-01	DP0126-SS-001-01	DP0126-SS-003-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0081 J**	ND (0.005)	ND (0.005)	**0.009 J**	**0.0063 J**
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0309**	**0.016**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0069 J**	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0126	DP0126	DP0127	DP0127	DP0127	DP0128	DP0131	DP0131	DP0132	DP0132	DP0133	DP0133
Sample Date	12/29/2005	12/29/2005	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/17/2006	03/17/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	4 - 4.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	3.5 - 4 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0126-SS-005-01	DP0126-SS-010-01	DP0127-SS-004-01	DP0127-SS-010-01	DP0127-SS-015-01	DP0128-SS-004-01	DP0131-SS-001-01	DP0131-SS-005-01	DP0132-SS-001-01	DP0132-SS-005-01	DP0133-SS-001-01	DP0133-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	-	-	**2.65 J**	**2.95 J**	**3.2 J**	**2.95 J**	**3.65 J**	**4.3 J**	**2.6 J**	**3.05 J**	**2.95 J**	**2.85 J**
Barium	-	-	**102**	**108**	**76**	**138**	**92**	**103**	**87**	**102**	**137**	**83**
Beryllium	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	-	-	**12.6**	**13.3**	**12.6**	**14.2**	**17.5**	**15.8**	**11.4**	**11**	**17.6**	**11.7**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	**4.9 J**	**4.85 J**	**4.05 J**	**5.45**	**7.6**	**5.65**	**5.65**	**4.9 J**	**7.7**	**5.75**
Copper	-	-	**15.5**	**17.3**	**13.9**	**17.8**	**21.2**	**17.7**	**16**	**13.6**	**22.3**	**17.5**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	ND (2.5)	**2.65 J**	ND (2.5)	**3.7 J**	**8**	**2.8 J**	**2.6 J**	ND (2.5)	**4.2 J**	**3.25 J**
Mercury	-	-	ND (0.1)	ND (0.1)	ND (0.1)	**3**	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	-	-	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	-	-	**16.2**	**17.4**	**12.3**	**17.2**	**29.1**	**19.1**	**14.6**	**16.6**	**21.8**	**18**
Selenium	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	-	-	**24.5**	**24.8**	**23.4**	**27.9**	**36.1**	**29.9**	**21.4**	**22.2**	**37.1**	**25.2**
Zinc	-	-	**40.3**	**45**	**36.5**	**50.5**	**48**	**46.3**	**36.8**	**37.9**	**56**	**45.8**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)
Aroclor-1254 (PCB-1254)	-	-	ND (0.035)	**0.23**	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)
Aroclor-1260 (PCB-1260)	-	-	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
bis(2-Ethylhexyl)phthalate	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Butyl benzylphthalate	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Diethyl phthalate	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	**0.0085 J**	**0.0126**	**0.0099 J**	**0.0083 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0126	DP0126	DP0127	DP0127	DP0127	DP0128	DP0131	DP0131	DP0132	DP0132	DP0133	DP0133
Sample Date	12/29/2005	12/29/2005	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/17/2006	03/17/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	9.5 - 10 (ft)	4 - 4.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	3.5 - 4 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0126-SS-005-01	DP0126-SS-010-01	DP0127-SS-004-01	DP0127-SS-010-01	DP0127-SS-015-01	DP0128-SS-004-01	DP0131-SS-001-01	DP0131-SS-005-01	DP0132-SS-001-01	DP0132-SS-005-01	DP0133-SS-001-01	DP0133-SS-005-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	**0.0518**	**0.132**	**0.13**	**0.0357**	**0.0116**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	**0.0102**	**0.027**	**0.0328**	**0.0052 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0134	DP0134	DP0135	DP0135	DP0136	DP0136	DP0136	DP0138	DP0138	DP0139	DP0139	DP0141
Sample Date	03/20/2006	03/20/2006	03/17/2006	03/17/2006	03/17/2006	03/17/2006	03/17/2006	03/20/2006	03/20/2006	03/21/2006	03/21/2006	03/17/2006
Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	7.5 - 8 (ft)	14.5 - 15 (ft)	2 - 2.5 (ft)	10.5 - 11 (ft)	1 - 1.5 (ft)
Sample Name	DP0134-SS-001-01	DP0134-SS-005-01	DP0135-SS-001-01	DP0135-SS-005-01	DP0136-SS-001-01	DP0136-SS-001-02	DP0136-SS-005-01	DP0138-SS-008-01	DP0138-SS-015-01	DP0139-SS-001-01	DP0139-SS-010-01	DP0141-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-
Arsenic	**2.95 J**	**2.6 J**	**3.1 J**	**3.4 J**	ND (1)	**1.45 J**	**3.25 J**	**2.95 J**	**2.7 J**	**2.7 J**	**4.05 J**	-
Barium	**111**	**71**	**135**	**88**	**66.5**	**106**	**116**	**89**	**74**	**153**	**95.5**	-
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-
Chromium	**14.3**	**9.5**	**16.8**	**10.1**	**21.4**	**21**	**11.1**	**11.9**	**10.1**	**24.2**	**16.6**	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**5.75**	**4.65 J**	**7.3**	**5.2**	**7.25**	**10.1**	**5.65**	**5.7**	**4.35 J**	**8.6**	**6.25**	-
Copper	**18**	**10.9**	**28.4**	**14.7**	**11.4**	**16.9**	**16.3**	**14.9**	**12.5**	**27**	**19.7**	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**3.2 J**	ND (2.5)	**3.95 J**	**2.85 J**	**2.85 J**	**3.6 J**	**3 J**	ND (2.5)	ND (2.5)	**7.75**	**2.95 J**	-
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	**2.75 J**	**2.5 J**	-
Nickel	**17.2**	**19**	**23**	**16.8**	**12.4**	**20.5**	**16.8**	**17.5**	**14.6**	**29.1**	**23**	-
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-
Vanadium	**29.6**	**17.8**	**36.6**	**20.7**	**32**	**38**	**23.2**	**24**	**21.6**	**5.1**	**31.9**	-
Zinc	**42.4**	**30.5**	**57**	**39.7**	**41.1**	**54.5**	**43.6**	**39.7**	**32.8**	**66**	**49**	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	-	-	ND (0.025)	ND (0.025)	-
Aroclor-1254 (PCB-1254)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	-	-	ND (0.025)	ND (0.025)	-
Aroclor-1260 (PCB-1260)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	-	-	ND (0.025)	ND (0.025)	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Butyl benzylphthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Diethyl phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0134	DP0134	DP0135	DP0135	DP0136	DP0136	DP0136	DP0138	DP0138	DP0139	DP0139	DP0141
Sample Date	03/20/2006	03/20/2006	03/17/2006	03/17/2006	03/17/2006	03/17/2006	03/17/2006	03/20/2006	03/20/2006	03/21/2006	03/21/2006	03/17/2006
Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	7.5 - 8 (ft)	14.5 - 15 (ft)	2 - 2.5 (ft)	10.5 - 11 (ft)	1 - 1.5 (ft)
Sample Name	DP0134-SS-001-01	DP0134-SS-005-01	DP0135-SS-001-01	DP0135-SS-005-01	DP0136-SS-001-01	DP0136-SS-001-02	DP0136-SS-005-01	DP0138-SS-008-01	DP0138-SS-015-01	DP0139-SS-001-01	DP0139-SS-010-01	DP0141-SS-001-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	-	-	-
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0058 J**	**0.0064 J**	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0141	DP0142	DP0142	DP0143	DP0143	DP0144	DP0144	DP0145	DP0145	DP0145	DP0146	DP0146
Sample Date	03/17/2006	03/21/2006	03/21/2006	03/21/2006	03/21/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/17/2006	03/17/2006
Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	1 - 1.5 (ft)	10 - 10.5 (ft)	1 - 1.5 (ft)	10 - 10.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	2.5 - 3 (ft)
Sample Name	DP0141-SS-005-01	DP0142-SS-001-01	DP0142-SS-010-01	DP0143-SS-001-01	DP0143-SS-010-01	DP0144-SS-001-01	DP0144-SS-005-01	DP0145-SS-001-01	DP0145-SS-005-01	DP0145-SS-005-02	DP0146-SS-001-01	DP0146-SS-003-01
Inorganic Compounds (mg/kg)												
Antimony	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	-	**3.6 J**	**4 J**	**4.3 J**	**3.7 J**	**3.65 J**	**3.75 J**	**3.8 J**	**3.6 J**	**3.85 J**	**4.9 J**	**3.2 J**
Barium	-	**100**	**145**	**111**	**89**	**148**	**158**	**137**	**97**	**111**	**176**	**159**
Beryllium	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	-	**12.8**	**18.5**	**16.5**	**18.3**	**18.9**	**14.8**	**23**	**14.3**	**15.4**	**15.9**	**17**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	**6.65**	**6.9**	**4.25 J**	**6.15**	**7.7**	**6.8**	**8.35**	**6.6**	**6.2**	**9.65**	**6.15**
Copper	-	**13.6**	**23**	**23.1**	**21.4**	**24.3**	**17**	**27.8**	**15.9**	**17.7**	**22.9**	**25.2**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	**4.1 J**	**3.3 J**	**12.1**	**3.3 J**	**8.85**	**2.5 J**	**9**	**2.85 J**	**2.9 J**	**7.85**	**4.55 J**
Mercury	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	-	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	**2.6 J**	ND (2.5)	**2.85 J**	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	-	**17.4**	**25.2**	**18.3**	**21.6**	**21.8**	**19.7**	**26.6**	**19.2**	**21**	**20.1**	**21.5**
Selenium	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	-	**28.1**	**34.1**	**33.5**	**32.9**	**37.2**	**29.8**	**48.4**	**27.9**	**31.1**	**37.4**	**37.7**
Zinc	-	**49.4**	**58.5**	**50.5**	**52**	**56.5**	**46.3**	**64.5**	**44.1**	**49**	**57**	**59.5**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Butyl benzylphthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Diethyl phthalate	**0.268 J**	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0141	DP0142	DP0142	DP0143	DP0143	DP0144	DP0144	DP0145	DP0145	DP0145	DP0146	DP0146
Sample Date	03/17/2006	03/21/2006	03/21/2006	03/21/2006	03/21/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/17/2006	03/17/2006
Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	1 - 1.5 (ft)	10 - 10.5 (ft)	1 - 1.5 (ft)	10 - 10.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	2.5 - 3 (ft)
Sample Name	DP0141-SS-005-01	DP0142-SS-001-01	DP0142-SS-010-01	DP0143-SS-001-01	DP0143-SS-010-01	DP0144-SS-001-01	DP0144-SS-005-01	DP0145-SS-001-01	DP0145-SS-005-01	DP0145-SS-005-02	DP0146-SS-001-01	DP0146-SS-003-01
1,1-Dichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	-	ND (0.005)	ND (0.005)	**0.0107**	ND (0.005)	**0.0125**	ND (0.005)	**0.0155**	ND (0.005)	ND (0.005)	ND (0.005)	**0.0113**
Toluene	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0147	DP0147	DP0147	DP0148	DP0148	DP0148	DP0149	DP0149	DP0150	DP0150	DP0150	DP0150
Sample Date	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/21/2006	03/21/2006	03/21/2006	03/21/2006
Sample Type	N	N	FD	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	1 - 1.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	1.5 - 2 (ft)	3.5 - 4 (ft)	1.5 - 2 (ft)	1.5 - 2 (ft)	3.5 - 4 (ft)	3.5 - 4 (ft)
Sample Name	DP0147-SS-001-01	DP0147-SS-005-01	DP0147-SS-005-02	DP0148-SS-001-01	DP0148-SS-005-01	DP0148-SS-005-02	DP0149-SS-001-01	DP0149-SS-003-01	DP0150-SS-001-01	DP0150-SS-001-01DL	DP0150-SS-003-01	DP0150-SS-003-01DL
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (1)	-
Arsenic	**1.7 J**	**3.1 J**	**3.6 J**	**3.7 J**	**3.25 J**	**3.8 J**	**2.65 J**	**3.8 J**	**3.95 J**	-	**2.8 J**	-
Barium	**110**	**141**	**200**	**149**	**119**	**157**	**104**	**130**	**131**	-	**138**	-
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	ND (1.3)	-
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	**1.6 J**	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	ND (1.3)	-
Chromium	**6.7**	**17**	**18.2**	**18.9**	**13.7**	**15.6**	**14.2**	**19.4**	**21.1**	-	**20.8**	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**4.2 J**	**6.65**	**6.3**	**7.4**	**6.05**	**6.95**	**5.5**	**7.05**	**7.7**	-	**7.75**	-
Copper	**7.5**	**20.6**	**20.3**	**23.7**	**17.2**	**20.6**	**15.4**	**22.8**	**25.4**	-	**26.6**	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	ND (2.5)	**3 J**	**2.75 J**	**4.15 J**	**2.95 J**	**3.35 J**	**3.6 J**	**3.4 J**	**3.95 J**	-	**3.8 J**	-
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	ND (0.1)	-
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	**2.55 J**	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	**2.5 J**	-	ND (2.5)	-
Nickel	**6.8**	**23.2**	**22.5**	**23.2**	**18.9**	**22.5**	**15.1**	**23.9**	**26.2**	-	**27.1**	-
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	-	ND (1)	-
Vanadium	**16**	**31.4**	**35**	**40.3**	**28.7**	**31.9**	**29.1**	**37.1**	**44**	-	**39.8**	-
Zinc	**28.8**	**55**	**54.5**	**59**	**47.5**	**55**	**45.9**	**59.5**	**60.5**	-	**63.5**	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	-
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	-
Butyl benzylphthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	-
Diethyl phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	ND (0.25)	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	-	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	-	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0147	DP0147	DP0147	DP0148	DP0148	DP0148	DP0149	DP0149	DP0150	DP0150	DP0150	DP0150
Sample Date	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/16/2006	03/21/2006	03/21/2006	03/21/2006	03/21/2006
Sample Type	N	N	FD	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	1 - 1.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	1.5 - 2 (ft)	3.5 - 4 (ft)	1.5 - 2 (ft)	1.5 - 2 (ft)	3.5 - 4 (ft)	3.5 - 4 (ft)
Sample Name	DP0147-SS-001-01	DP0147-SS-005-01	DP0147-SS-005-02	DP0148-SS-001-01	DP0148-SS-005-01	DP0148-SS-005-02	DP0149-SS-001-01	DP0149-SS-003-01	DP0150-SS-001-01	DP0150-SS-001-01DL	DP0150-SS-003-01	DP0150-SS-003-01DL
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	-	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	-	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	-	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0065 J**	ND (0.005)	-	**1.9**	-	**0.777**
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	-	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	**0.541**	-	**0.212**
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	ND (0.025)	-	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	**0.0418 J**	-	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	ND (0.025)	-	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	-	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	ND (0.025)	-	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	-	ND (0.015)	-	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	**0.122**	-	**0.0401**
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	**0.0458 J**	-	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.0045 J**	ND (0.002)	-	**0.181**	-	**0.0362 J**
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	ND (0.025)	-	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	**0.207**	-	**0.0723**
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	ND (0.002)	-	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0104**	-	**0.205**	-	**0.0683**
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	**0.0282 J**	-	**0.0304 J**
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	ND (0.005)	-	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0053 J**	ND (0.005)	-	**0.0307 J**	-	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0150	DP0151	DP0151	DP0151	DP0151	DP0151	DP0152	DP0152	DP0152	DP0153	DP0153	DP0154
Sample Date	03/21/2006	03/21/2006	03/21/2006	03/21/2006	03/21/2006	03/21/2006	03/20/2006	03/20/2006	03/20/2006	03/21/2006	03/21/2006	03/20/2006
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	5.5 - 6 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)
Sample Name	DP0150-SS-005-01	DP0151-SS-001-01	DP0151-SS-001-01DL	DP0151-SS-003-01	DP0151-SS-003-01DL	DP0151-SS-005-01	DP0152-SS-001-01	DP0152-SS-001-02	DP0152-SS-003-01	DP0153-SS-001-01	DP0153-SS-003-01	DP0154-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	-	ND (1)	-	ND (1)	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	-	**3.65 J**	-	**3.75 J**	-	-	**3.05 J**	**1.15 J**	**3.45 J**	**4.25 J**	**3.75 J**	**4.85 J**
Barium	-	**116**	-	**157**	-	-	**125**	**76.3**	**132**	**136**	**123**	**88.5**
Beryllium	-	ND (1.3)	-	ND (1.3)	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	-	ND (1.3)	-	ND (1.3)	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	-	**13.9**	-	**21.8**	-	-	**11.8**	**7.95**	**19.4**	**17**	**19.8**	**14.8**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	**5.5**	-	**7.7**	-	-	**4.8 J**	**4.1 J**	**7.7**	**7.15**	**7.55**	**5.65**
Copper	-	**16.3**	-	**27.4**	-	-	**14.4**	**9.85**	**26.7**	**21.8**	**26**	**16.1**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	**2.7 J**	-	**3.6 J**	-	-	ND (2.5)	ND (2.5)	**3.9 J**	**3.8 J**	**3.75 J**	**5.05**
Mercury	-	ND (0.1)	-	ND (0.1)	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	-	ND (2.5)	-	**2.65 J**	-	-	ND (2.5)	ND (2.5)	ND (2.5)	**2.7 J**	ND (2.5)	ND (2.5)
Nickel	-	**18.2**	-	**27.7**	-	-	**15.1**	**9.3**	**28.5**	**24.4**	**26.4**	**16.6**
Selenium	-	ND (1)	-	ND (1)	-	-	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	-	**30.8**	-	**43.1**	-	-	**25.5**	**18.3**	**37.6**	**36.3**	**38.2**	**30**
Zinc	-	**66**	-	**74**	-	-	**37.1**	**30.2**	**63.5**	**54.3**	**61**	**46.7**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	ND (0.035)	ND (0.035)	ND (0.035)	-	-	ND (0.035)
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	ND (0.035)	ND (0.035)	ND (0.035)	-	-	ND (0.035)
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	ND (0.035)	ND (0.035)	ND (0.035)	-	-	ND (0.035)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	ND (0.25)	-	ND (0.25)	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
bis(2-Ethylhexyl)phthalate	-	**0.581**	-	ND (0.25)	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Butyl benzylphthalate	-	ND (0.25)	-	ND (0.25)	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Diethyl phthalate	-	ND (0.25)	-	ND (0.25)	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	-	**21.9**	-	**0.0546 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	-	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0150	DP0151	DP0151	DP0151	DP0151	DP0151	DP0152	DP0152	DP0152	DP0153	DP0153	DP0154
Sample Date	03/21/2006	03/21/2006	03/21/2006	03/21/2006	03/21/2006	03/21/2006	03/20/2006	03/20/2006	03/20/2006	03/21/2006	03/21/2006	03/20/2006
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	5.5 - 6 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	3 - 3.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)
Sample Name	DP0150-SS-005-01	DP0151-SS-001-01	DP0151-SS-001-01DL	DP0151-SS-003-01	DP0151-SS-003-01DL	DP0151-SS-005-01	DP0152-SS-001-01	DP0152-SS-001-02	DP0152-SS-003-01	DP0153-SS-001-01	DP0153-SS-003-01	DP0154-SS-001-01
1,1-Dichloroethane	ND (0.005)	-	**2.6**	-	**0.0411 J**	**0.0051 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	-	**0.622**	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	-	**1.63**	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	**0.106**	-	**0.617**	-	**0.561**	ND (0.005)	ND (0.005)	ND (0.005)	**0.238**	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	-	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	**0.0299**	-	ND (0.005)	-	**0.188**	ND (0.005)	ND (0.005)	ND (0.005)	**0.0702**	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	-	ND (0.025)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	-	**0.15**	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0055 J**	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	-	ND (0.025)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	**0.0061 J**	-	**1.1**	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.0072 J**	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	-	ND (0.025)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	**0.0052 J**	-	**13.2**	-	**0.386**	**0.0146**	ND (0.005)	ND (0.005)	**0.0124**	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	-	**0.237**	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	-	ND (0.015)	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	**0.0092 J**	-	**2.93**	-	**0.103**	ND (0.002)	ND (0.002)	ND (0.002)	**0.0168**	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	-	**0.166**	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0063 J**	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	**0.0065 J**	-	**9.1**	-	**0.271**	ND (0.002)	ND (0.002)	ND (0.002)	**0.0145 J**	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	-	ND (0.025)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	**0.012**	-	**0.39**	-	**0.0575 J**	ND (0.005)	ND (0.005)	ND (0.005)	**0.0253**	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	-	**2.1**	-	**0.0599 J**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	-	ND (0.005)	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.0142**	-	**940**	-	**5**	**0.0733**	ND (0.005)	ND (0.005)	**0.0258**	ND (0.005)	**0.0324**	**0.0068 J**
Toluene	**0.0046 J**	-	**24.9**	-	**0.143**	**0.0021 J**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	-	**0.0871**	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	-	**166**	-	**0.843**	**0.0248**	ND (0.005)	ND (0.005)	**0.0143**	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0154	DP0154	DP0155	DP0155	DP0155	DP0156	DP0156	DP0157	DP0157	DP0158	DP0158	DP0159
Sample Date	03/20/2006	03/20/2006	03/21/2006	03/21/2006	03/21/2006	03/20/2006	03/20/2006	03/16/2006	03/16/2006	03/21/2006	03/21/2006	03/16/2006
Sample Type	N	FD	N	FD	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 - 3.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)
Sample Name	DP0154-SS-003-01	DP0154-SS-003-02	DP0155-SS-001-01	DP0155-SS-001-02	DP0155-SS-003-01	DP0156-SS-001-01	DP0156-SS-003-01	DP0157-SS-001-01	DP0157-SS-005-01	DP0158-SS-001-01	DP0158-SS-005-01	DP0159-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**2.5 J**	**2.3 J**	**3.05 J**	**3.85 J**	**4.4 J**	**2.5 J**	**3.3 J**	**2.9 J**	**3.45 J**	**3.4 J**	**3.35 J**	**4.7 J**
Barium	**95**	**114**	**111**	**165**	**129**	**96.5**	**143**	**147**	**144**	**107**	**115**	**159**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**14.6**	**15.9**	**13**	**16.1**	**19.6**	**10.6**	**19.8**	**20.3**	**14.8**	**15**	**14.1**	**19.5**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**5.85**	**5.55**	**7.3**	**7.95**	**7.55**	**5.8**	**7.05**	**7.95**	**6.3**	**5.75**	**6.3**	**7.3**
Copper	**21**	**20.5**	**16.9**	**21.8**	**24.4**	**14.2**	**23.8**	**26.1**	**18.9**	**20.5**	**16.9**	**24.9**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**3 J**	**2.8 J**	**3.3 J**	**4.45 J**	**3.3 J**	ND (2.5)	**3.45 J**	**3.75 J**	**3 J**	**2.8 J**	**2.8 J**	**4.6 J**
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	**2.65 J**
Nickel	**21.9**	**21.4**	**17.2**	**23.1**	**26.2**	**13**	**25.6**	**27.1**	**20.1**	**20.2**	**19.6**	**24**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**27.1**	**31.4**	**28.3**	**34.2**	**39.4**	**22.3**	**36.7**	**40.9**	**30.2**	**28.9**	**28.9**	**41.8**
Zinc	**48.1**	**49.6**	**48**	**53**	**57.5**	**36.4**	**59**	**64**	**51**	**43.8**	**44.6**	**59**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.035)	ND (0.035)	-	-	-	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.025)	ND (0.025)	ND (0.035)
Aroclor-1254 (PCB-1254)	ND (0.035)	ND (0.035)	-	-	-	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.025)	ND (0.025)	ND (0.035)
Aroclor-1260 (PCB-1260)	ND (0.035)	ND (0.035)	-	-	-	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.025)	ND (0.025)	ND (0.035)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Butyl benzylphthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Diethyl phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	**0.532 J**
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0154	DP0154	DP0155	DP0155	DP0155	DP0156	DP0156	DP0157	DP0157	DP0158	DP0158	DP0159
Sample Date	03/20/2006	03/20/2006	03/21/2006	03/21/2006	03/21/2006	03/20/2006	03/20/2006	03/16/2006	03/16/2006	03/21/2006	03/21/2006	03/16/2006
Sample Type	N	FD	N	FD	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 - 3.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)
Sample Name	DP0154-SS-003-01	DP0154-SS-003-02	DP0155-SS-001-01	DP0155-SS-001-02	DP0155-SS-003-01	DP0156-SS-001-01	DP0156-SS-003-01	DP0157-SS-001-01	DP0157-SS-005-01	DP0158-SS-001-01	DP0158-SS-005-01	DP0159-SS-001-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	**0.0385**	**0.0302**	ND (0.005)	ND (0.005)	ND (0.005)	**0.018**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	**0.017**	**0.0132**	ND (0.005)	ND (0.005)	ND (0.005)	**0.0052 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.0025 J**	**0.0073 J**	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	**0.0051 J**	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	**0.005 J**	**0.0038 J**	ND (0.002)	ND (0.002)	ND (0.002)	**0.0041 J**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.0131**	**0.0116**	ND (0.005)	**0.0051 J**	ND (0.005)	**0.007 J**	**0.0078 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	**0.0051 J**	**0.0053 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0071 J**	ND (0.005)	**0.0154**
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0159	DP0160	DP0160	DP0161	DP0161	DP0162	DP0162	DP0163	DP0164	DP0164	DP0164	DP0165
Sample Date	03/16/2006	03/21/2006	03/21/2006	03/16/2006	03/16/2006	03/17/2006	03/17/2006	03/17/2006	03/17/2006	03/17/2006	03/17/2006	03/21/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)	2.5 - 3 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	2 - 2.5 (ft)
Sample Name	DP0159-SS-005-01	DP0160-SS-001-01	DP0160-SS-005-01	DP0161-SS-001-01	DP0161-SS-005-01	DP0162-SS-001-01	DP0162-SS-003-01	DP0163-SS-001-01	DP0164-SS-002-01	DP0164-SS-005-01	DP0164-SS-005-02	DP0165-SS-002-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**3.25 J**	**3.6 J**	**3.15 J**	**4.3 J**	**3.3 J**	**3.45 J**	**3.35 J**	**2.7 J**	**3.2 J**	**2.65 J**	**3.3 J**	**2.5 J**
Barium	**114**	**116**	**109**	**136**	**109**	**148**	**151**	**163**	**197**	**94.5**	**129**	**92.5**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**13**	**15.7**	**12.6**	**17.9**	**12.8**	**16**	**17.3**	**18.5**	**19**	**10.3**	**8.55**	**11.1**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**6.15**	**8.65**	**5.35**	**7.1**	**5.85**	**8.85**	**7.2**	**16.6**	**7.5**	**5.75**	**4.35 J**	**4.55 J**
Copper	**16.6**	**21.2**	**15.2**	**23.1**	**16.4**	**22.5**	**22.9**	**24.6**	**25.9**	**14**	**12.3**	**14.8**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**2.75 J**	**3.55 J**	ND (2.5)	**3.55 J**	**2.65 J**	**4.2 J**	**3.55 J**	**5.15**	**3.75 J**	**2.6 J**	ND (2.5)	**2.55 J**
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	**2.6 J**	ND (2.5)	**2.55 J**	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**18.7**	**21.6**	**17.7**	**23**	**18.5**	**21.9**	**23.6**	**25**	**24.5**	**16.1**	**13.7**	**16.2**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**26.7**	**30.4**	**26.2**	**38.4**	**26.1**	**32.5**	**34.2**	**33.7**	**40.5**	**21.8**	**22.2**	**19.6**
Zinc	**45.1**	**56**	**39.2**	**56**	**43.8**	**54**	**55.5**	**69.5**	**63**	**37.7**	**33.5**	**33.6**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.035)	ND (0.025)	ND (0.025)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.025)
Aroclor-1254 (PCB-1254)	ND (0.035)	ND (0.025)	ND (0.025)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.025)
Aroclor-1260 (PCB-1260)	ND (0.035)	ND (0.025)	ND (0.025)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.025)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Butyl benzylphthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Diethyl phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	**0.956 J**	ND (0.5)	**0.744 J**	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0159	DP0160	DP0160	DP0161	DP0161	DP0162	DP0162	DP0163	DP0164	DP0164	DP0164	DP0165
Sample Date	03/16/2006	03/21/2006	03/21/2006	03/16/2006	03/16/2006	03/17/2006	03/17/2006	03/17/2006	03/17/2006	03/17/2006	03/17/2006	03/21/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)	1 - 1.5 (ft)	3 - 3.5 (ft)	1 - 1.5 (ft)	2.5 - 3 (ft)	5 - 5.5 (ft)	5 - 5.5 (ft)	2 - 2.5 (ft)
Sample Name	DP0159-SS-005-01	DP0160-SS-001-01	DP0160-SS-005-01	DP0161-SS-001-01	DP0161-SS-005-01	DP0162-SS-001-01	DP0162-SS-003-01	DP0163-SS-001-01	DP0164-SS-002-01	DP0164-SS-005-01	DP0164-SS-005-02	DP0165-SS-002-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	**0.0053 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0165	DP0166	DP0166	DP0166	DP0166	DP0167	DP0167	DP0168	DP0168	DP0168	DP0169	DP0169
Sample Date	03/21/2006	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006
Sample Type	N	N	N	N	FD	N	FD	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	4 - 4.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	14.5 - 15 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	1.5 - 2 (ft)	3.5 - 4 (ft)	5.5 - 6 (ft)	2 - 2.5 (ft)	4 - 4.5 (ft)
Sample Name	DP0165-SS-005-01	DP0166-SS-004-01	DP0166-SS-010-01	DP0166-SS-015-01	DP0166-SS-015-02	DP0167-SS-000-01	DP0167-SS-000-02	DP0168-SS-000-01	DP0168-SS-003-01	DP0168-SS-005-01	DP0169-SS-001-01	DP0169-SS-003-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**3.8 J**	**2.95 J**	**2.8 J**	**3.55 J**	**2.85 J**	ND (1)	**1.35 J**	**1.25 J**	**3.95 J**	**3.75 J**	**3.5 J**	**4.25 J**
Barium	**119**	**86**	**93.5**	**119**	**81**	**117**	**127**	**128**	**97**	**99**	**93.4**	**81**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**15.8**	**9.4**	**11.2**	**10.7**	**10.8**	**5.4**	**10**	**5**	**13.2**	**11.9**	**12**	**25.9**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**7**	**4.7 J**	**4.5 J**	**4.7 J**	**4.55 J**	**7.55**	**17.8**	**7.8**	**5.8**	**5.25**	**5.5**	**5.5**
Copper	**19.1**	**11.5**	**16.2**	**13.2**	**13.6**	**11.8**	**12.1**	**10.5**	**14.4**	**14**	**15.7**	**27.9**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**3.5 J**	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	**2.6 J**	**26.2**
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	**0.1 J**
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**21.8**	**14.3**	**16.3**	**15.9**	**15.4**	**4.8 J**	**7.75**	**4.15 J**	**16.8**	**15.3**	**20.5**	**20**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**30.8**	**20.3**	**22.3**	**24.5**	**22.1**	**24.2**	**26.2**	**24.4**	**27.6**	**25.6**	**25.2**	**26.1**
Zinc	**49.8**	**32.5**	**39.1**	**36.5**	**35.2**	**44.1**	**51**	**44.6**	**44.2**	**41.3**	**61.5**	**215**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.025)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ND (0.025)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ND (0.025)	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-
Butyl benzylphthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-
Diethyl phthalate	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0165	DP0166	DP0166	DP0166	DP0166	DP0167	DP0167	DP0168	DP0168	DP0168	DP0169	DP0169
Sample Date	03/21/2006	03/20/2006	03/20/2006	03/20/2006	03/20/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006
Sample Type	N	N	N	N	FD	N	FD	N	N	N	N	N
Sample Depth (bgs)	5 - 5.5 (ft)	4 - 4.5 (ft)	9.5 - 10 (ft)	14.5 - 15 (ft)	14.5 - 15 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	1.5 - 2 (ft)	3.5 - 4 (ft)	5.5 - 6 (ft)	2 - 2.5 (ft)	4 - 4.5 (ft)
Sample Name	DP0165-SS-005-01	DP0166-SS-004-01	DP0166-SS-010-01	DP0166-SS-015-01	DP0166-SS-015-02	DP0167-SS-000-01	DP0167-SS-000-02	DP0168-SS-000-01	DP0168-SS-003-01	DP0168-SS-005-01	DP0169-SS-001-01	DP0169-SS-003-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-	-	-	-	-
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	-	-	-	-
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	-	-	-	-	-	-	-
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	-	-	-	-
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	-	-	-	-
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-	-	-	-	-
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	-	-	-	-
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0169	DP0170	DP0170	DP0170	DP0170	DP0171	DP0172	DP0173	DP0174	DP0175	DP0176	DP0176
Sample Date	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/22/2006	03/15/2006	03/15/2006	03/15/2006
Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	5.5 - 6 (ft)	3.25 - 3.5 (ft)	5 - 5.5 (ft)	7 - 7.5 (ft)	7 - 7.5 (ft)	1.6 - 2.1 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0169-SS-005-01	DP0170-SS-000-01	DP0170-SS-003-01	DP0170-SS-005-01	DP0170-SS-005-02	DP0171-SS-001-01	DP0172-SS-001-01	DP0173-SS-001-01	DP0174-SS-001-01	DP0175-SS-001-01	DP0176-SS-001-01	DP0176-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Arsenic	**4.7 J**	**3.8 J**	**3.35 J**	**3.5 J**	**3.95 J**	**3.4 J**	**3.3 J**	**3.4 J**	**2.75 J**	**3.65 J**	**3.55 J**	**3.5 J**
Barium	**104**	**79.5**	**69.5**	**163**	**167**	**99**	**101**	**103**	**111**	**112**	**89.5**	**107**
Beryllium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Cadmium	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)
Chromium	**14**	**10.6**	**10.1**	**20.2**	**20.8**	**15.7**	**16**	**15.9**	**16.7**	**16.9**	**17.5**	**13.4**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**5.7**	**5.1**	**47.4**	**6.6**	**6.95**	**5.6**	**5.95**	**5.9**	**5.7**	**6.1**	**7.6**	**5.5**
Copper	**16.4**	**11.5**	**11.6**	**23.7**	**23.8**	**15.4**	**16**	**15.5**	**19.7**	**17**	**17.1**	**14.6**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**2.55 J**	ND (2.5)	ND (2.5)	**3 J**	**3.25 J**	ND (2.5)	**2.55 J**	**2.5 J**	**3.95 J**	**2.85 J**	**3 J**	**2.55 J**
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Molybdenum	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	**2.6 J**	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Nickel	**18.9**	**14.7**	**13.4**	**23**	**24.1**	**19.1**	**18.9**	**20.9**	**22**	**19.6**	**20.4**	**17.6**
Selenium	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Vanadium	**25.7**	**23.1**	**21.6**	**34.6**	**35.3**	**32.8**	**31.5**	**32**	**32.7**	**34.2**	**33.4**	**26.9**
Zinc	**48.9**	**35.4**	**35.3**	**63**	**61.5**	**44.6**	**46.5**	**46.3**	**49.6**	**48.7**	**49.7**	**42.8**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	ND (0.035)	ND (0.035)
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	ND (0.035)	ND (0.035)
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	ND (0.035)	ND (0.035)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (0.25)	**1.48**	ND (0.25)	ND (0.25)	**0.26 J**	**0.769**	ND (0.25)
Butyl benzylphthalate	-	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Diethyl phthalate	-	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0169	DP0170	DP0170	DP0170	DP0170	DP0171	DP0172	DP0173	DP0174	DP0175	DP0176	DP0176
Sample Date	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/15/2006	03/22/2006	03/15/2006	03/15/2006	03/15/2006
Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Sample Depth (bgs)	5.5 - 6 (ft)	3.25 - 3.5 (ft)	5 - 5.5 (ft)	7 - 7.5 (ft)	7 - 7.5 (ft)	1.6 - 2.1 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	1 - 1.5 (ft)	5 - 5.5 (ft)
Sample Name	DP0169-SS-005-01	DP0170-SS-000-01	DP0170-SS-003-01	DP0170-SS-005-01	DP0170-SS-005-02	DP0171-SS-001-01	DP0172-SS-001-01	DP0173-SS-001-01	DP0174-SS-001-01	DP0175-SS-001-01	DP0176-SS-001-01	DP0176-SS-005-01
1,1-Dichloroethane	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	-	-	-	-	-	**0.0091 J**	**0.006 J**	**0.0098 J**	**0.0134**	**0.0083 J**	**0.0076 J**	ND (0.005)
Toluene	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0177	DP0177	DP0178	DP0178	DP0199	DP0199	DP0200	DP0200	DP0201	DP0201	DP0202	DP0202
Sample Date	03/15/2006	03/15/2006	03/22/2006	03/22/2006	04/27/2006	04/27/2006	04/28/2006	04/28/2006	04/28/2006	04/28/2006	04/27/2006	04/27/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2.5 - 3 (ft)	6.5 - 7 (ft)	1 - 1.5 (ft)	10 - 10.5 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	10 (ft)	15 (ft)	10 (ft)	15 (ft)
Sample Name	DP0177-SS-001-01	DP0177-SS-005-01	DP0178-SS-001-01	DP0178-SS-010-01	DP0199_SS_001_01	DP0199_SS_005_01	DP0200_SS_010_01	DP0200_SS_015_01	DP0201_SS_010_01	DP0201_SS_015_01	DP0202_SS_010_01	DP0202_SS_015_01
Inorganic Compounds (mg/kg)												
Antimony	ND (1)	ND (1)	-	-	**0.774**	**1.15**	ND (0.191)	ND (0.191)	ND (0.191)	ND (0.191)	ND (0.191)	ND (0.191)
Arsenic	**4.9 J**	**3.7 J**	-	-	ND (0.13)	**2.75**	**2.55**	**1.56**	**2.54**	**1.75**	**2.93**	**2.48**
Barium	**146**	**108**	-	-	**123**	**189**	**302**	**25.7**	**114**	**71.7**	**143**	**119**
Beryllium	ND (1.3)	ND (1.3)	-	-	ND (0.00368)	**0.544**	**0.419**	ND (0.00368)	**0.483**	**0.411**	**0.347**	**0.288**
Cadmium	ND (1.3)	ND (1.3)	-	-	ND (0.00988)	**1.52**	**1.29**	ND (0.00988)	**1.1**	**1.06**	**1.3**	**1.02**
Chromium	**18.3**	**14**	-	-	**8**	**22**	**18.5**	**8.48**	**21.7**	**18.6**	**14.3**	**11.6**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**6.7**	**5.6**	-	-	**6.06**	**8.79**	**7.15**	**2.32**	**8.13**	**5.86**	**6.49**	**5.65**
Copper	**17.6**	**15.5**	-	-	**7.73**	**23.9**	**18.5**	**6.51**	**22.5**	**16.1**	**13.9**	**10.4**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**3 J**	ND (2.5)	-	-	**2.16**	**4.96**	**3.89**	**1.7**	**4.27**	**3.57**	**3.29**	**2.69**
Mercury	ND (0.1)	ND (0.1)	-	-	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Molybdenum	ND (2.5)	ND (2.5)	-	-	ND (0.0206)	ND (0.0206)	**0.692**	**0.983**	**0.615**	ND (0.0206)	ND (0.0206)	ND (0.0206)
Nickel	**20.3**	**18.3**	-	-	**7.94**	**29.7**	**24.4**	**9.37**	**24.1**	**17.5**	**21.1**	**17.3**
Selenium	ND (1)	ND (1)	-	-	ND (0.175)	ND (0.175)	ND (0.175)	ND (0.175)	ND (0.175)	ND (0.175)	ND (0.175)	ND (0.175)
Vanadium	**38.1**	**26.8**	-	-	**19.3**	**36.5**	**35**	**16.8**	**37.6**	**32.3**	**27.2**	**23**
Zinc	**49.7**	**44.8**	-	-	**30.8**	**60.6**	**47.3**	**17.5**	**52.6**	**46.4**	**38.7**	**32**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.035)	ND (0.025)	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ND (0.035)	ND (0.025)	-	-	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ND (0.035)	ND (0.025)	-	-	ND (0.0056)	ND (0.0056)	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.25)	ND (0.25)	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	-	-	-
bis(2-Ethylhexyl)phthalate	ND (0.25)	ND (0.25)	-	-	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	-	-	-	-
Butyl benzylphthalate	ND (0.25)	ND (0.25)	-	-	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	-	-	-	-
Diethyl phthalate	ND (0.25)	ND (0.25)	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	ND (5)	ND (5)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	ND (0.5)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	ND (4.8)	ND (4.8)	**9.2**	ND (4.8)	**9.9**	**8.1**	ND (4.8)	ND (4.8)
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	**0.16**	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	**0.79**	-	**1.2**	**0.63**	**0.77**	**0.37**
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	**0.19**	**0.2**	**0.24**	**0.2**	**0.23**	**0.015**
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	ND (5)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	**4**	**1**	**5**	**4.3**	**0.31**	**0.29**
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	**1**	**0.79**	**0.84**	**0.98**	**0.63**	**0.6**
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	**0.46**	-	**0.63**	**0.55**	**0.6**	**0.59**	**0.55**	**0.55**
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	**1.2**	-	**0.49**	**0.37**	**0.72**	**0.5**	**0.24**	**0.23**
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	**0.22**	-	**0.23**	**0.33**	**0.28**	**0.25**	**0.16**	**0.13**
Total Petroleum Hydrocarbons (C23-C40)	ND (5)	ND (5)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	**0.6**	**0.58**	**0.67**	**0.62**	**0.29**	**0.21**
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	**0.0064**	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	**1.3**	-	**0.17**	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0002)	ND (0.0002)	ND (0.00018)	ND (0.00024)	ND (0.00019)	ND (0.00018)	ND (0.00019)	ND (0.00018)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00038)	ND (0.00038)	ND (0.00035)	ND (0.00045)	ND (0.00036)	ND (0.00034)	ND (0.00036)	ND (0.00035)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0177	DP0177	DP0178	DP0178	DP0199	DP0199	DP0200	DP0200	DP0201	DP0201	DP0202	DP0202
Sample Date	03/15/2006	03/15/2006	03/22/2006	03/22/2006	04/27/2006	04/27/2006	04/28/2006	04/28/2006	04/28/2006	04/28/2006	04/27/2006	04/27/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2.5 - 3 (ft)	6.5 - 7 (ft)	1 - 1.5 (ft)	10 - 10.5 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	10 (ft)	15 (ft)	10 (ft)	15 (ft)
Sample Name	DP0177-SS-001-01	DP0177-SS-005-01	DP0178-SS-001-01	DP0178-SS-010-01	DP0199_SS_001_01	DP0199_SS_005_01	DP0200_SS_010_01	DP0200_SS_015_01	DP0201_SS_010_01	DP0201_SS_015_01	DP0202_SS_010_01	DP0202_SS_015_01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0003)	ND (0.0003)	ND (0.00028)	ND (0.00036)	ND (0.00028)	ND (0.00027)	ND (0.00029)	ND (0.00028)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00049)	ND (0.00049)	ND (0.00045)	ND (0.00059)	ND (0.00046)	ND (0.00045)	ND (0.00047)	ND (0.00045)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00079)	ND (0.00079)	ND (0.00073)	ND (0.00095)	ND (0.00075)	ND (0.00072)	ND (0.00075)	ND (0.00073)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00015)	ND (0.00015)	ND (0.00014)	ND (0.00018)	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00014)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00025)	ND (0.00025)	ND (0.00023)	ND (0.0003)	ND (0.00024)	ND (0.00023)	ND (0.00024)	ND (0.00023)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00017)	ND (0.00017)	ND (0.00015)	ND (0.0002)	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.0021)	ND (0.0021)	ND (0.0019)	ND (0.0025)	ND (0.002)	ND (0.0019)	ND (0.002)	ND (0.0019)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00013)	ND (0.00013)	ND (0.00012)	ND (0.00015)	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00012)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	**0.033**	**0.056**	**0.026**	ND (0.0068)	**0.027**	ND (0.0051)	**0.031**	**0.023**
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.00011)	**0.0021**	**0.0011**	ND (0.00013)	**0.0012**	**0.0012**	**0.0014**	**0.0018**
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.00025)	ND (0.00025)	ND (0.00023)	ND (0.00029)	ND (0.00023)	ND (0.00022)	ND (0.00023)	ND (0.00023)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00026)	ND (0.00026)	ND (0.00024)	ND (0.00031)	ND (0.00025)	ND (0.00024)	ND (0.00025)	ND (0.00024)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00031)	ND (0.00031)	ND (0.00028)	ND (0.00037)	ND (0.00029)	ND (0.00028)	ND (0.00029)	ND (0.00028)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.0002)	ND (0.0002)	ND (0.00018)	ND (0.00024)	ND (0.00019)	ND (0.00018)	ND (0.00019)	ND (0.00018)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.00012)	ND (0.00012)	ND (0.00011)	ND (0.00014)	ND (0.00011)	ND (0.00011)	ND (0.00011)	ND (0.00011)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00015)	ND (0.00015)	ND (0.00014)	ND (0.00018)	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00014)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.00015)	ND (0.00015)	ND (0.00014)	ND (0.00018)	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00014)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.0012)	ND (0.0012)	ND (0.0011)	ND (0.0014)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00012)	ND (0.00012)	ND (0.00011)	ND (0.00015)	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.00014)	ND (0.00014)	ND (0.00013)	ND (0.00017)	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00013)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00022)	ND (0.00021)	ND (0.0002)	ND (0.00026)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)
Tetrachloroethene	**0.0081 J**	ND (0.005)	**0.0095 J**	**0.007 J**	ND (0.00013)	ND (0.00013)	**0.0021**	ND (0.00016)	**0.0013**	**0.001**	ND (0.00013)	ND (0.00012)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.00019)	**0.0011**	ND (0.00017)	ND (0.00023)	**0.0011**	**0.0012**	**0.0011**	**0.0015**
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00028)	ND (0.00027)	ND (0.00025)	ND (0.00033)	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00026)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	**0.0054 J**	ND (0.00022)	ND (0.00022)	ND (0.0002)	ND (0.00027)	ND (0.00021)	ND (0.0002)	ND (0.00021)	ND (0.00021)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	ND (0.00046)	ND (0.00046)	ND (0.00042)	ND (0.00055)	ND (0.00043)	ND (0.00042)	ND (0.00044)	ND (0.00042)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0203	DP0203	DP0204	DP0204	DP0205	DP0205	DP0207	DP0207	DP0207	DP0208	DP0208	DP0209
Sample Date	04/27/2006	04/27/2006	04/28/2006	04/28/2006	04/28/2006	04/28/2006	04/28/2006	04/28/2006	04/28/2006	05/24/2006	05/24/2006	05/23/2006
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	10 (ft)	15 (ft)	10 (ft)	15 (ft)	10 (ft)	10 (ft)	15 (ft)	10 (ft)	15 (ft)	1 (ft)
Sample Name	DP0203_SS_010_01	DP0203_SS_015_01	DP0204_SS_010_01	DP0204_SS_015_01	DP0205_SS_010_01	DP0205_SS_015_01	DP0207_SS_010_01	DP0207_SS_010_02	DP0207_SS_015_01	DP0208-SS-010-01	DP0208-SS-015-01	DP0209-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	ND (0.191)	ND (0.191)	ND (0.191)	ND (0.191)	**1.97**	**1.28**	ND (0.191)	ND (0.191)	ND (0.191)	ND (1)	ND (1)	-
Arsenic	**2.28**	**2.17**	**2.42**	**2.03**	**4.33**	**3.16**	**2.96**	**3.76**	**3.34**	**3.3 J**	**3.3 J**	-
Barium	**148**	**92.7**	**150**	**119**	**194**	**135**	**157**	**170**	**212**	**110**	**76**	-
Beryllium	**0.312**	**0.285**	**0.487**	**0.348**	**0.555**	**0.453**	**0.497**	**0.5**	**0.477**	ND (1.3)	ND (1.3)	-
Cadmium	**1.07**	**0.847**	**1.05**	**0.974**	**1.77**	**1.09**	**1.44**	**1.62**	**1.94**	ND (1.3)	ND (1.3)	-
Chromium	**12.4**	**10.9**	**22.7**	**14.6**	**27.7**	**19.2**	**22.1**	**21.9**	**18.7**	**17.8**	**9.45**	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**5.64**	**5.29**	**7.65**	**6.45**	**9.31**	**7.68**	**8.15**	**8.57**	**8.96**	**5.7**	**4.1 J**	-
Copper	**11.8**	**10**	**23.4**	**14.3**	**26.5**	**17.9**	**22.6**	**22.9**	**20.6**	**22**	**11.8**	-
Fluoride	-	-	-	-	-	-	**1.2**	**2.1**	**1.8**	**2.5**	**1.5**	-
Lead	**2.92**	**2.66**	**3.87**	**3.33**	**4.84**	**3.63**	**4.6**	**4.53**	**3.73**	ND (2.5)	ND (2.5)	-
Mercury	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.1)	ND (0.1)	-
Molybdenum	ND (0.0206)	ND (0.0206)	**0.258**	**0.689**	ND (0.0206)	ND (0.0206)	ND (0.0206)	ND (0.0206)	ND (0.0206)	ND (2.5)	ND (2.5)	-
Nickel	**19.9**	**15.5**	**26.3**	**20.5**	**36.3**	**25.5**	**28.8**	**29.2**	**28.9**	**21.6**	**13**	-
Selenium	ND (0.175)	ND (0.175)	ND (0.175)	ND (0.175)	ND (0.175)	ND (0.175)	ND (0.175)	ND (0.175)	ND (0.175)	ND (1)	ND (1)	-
Vanadium	**23.7**	**22.8**	**37.2**	**29.8**	**48**	**36.2**	**39.3**	**38.8**	**34.9**	**31.2**	**21.2**	-
Zinc	**33.9**	**30.5**	**54.3**	**40.2**	**67.9**	**49**	**59**	**58.8**	**53.8**	**51.5**	**30.7**	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	ND (0.0056)	ND (0.0056)	ND (0.0056)	ND (0.0056)	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.25)	ND (0.25)	-
Butyl benzylphthalate	-	-	-	-	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.25)	ND (0.25)	-
Diethyl phthalate	-	-	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.25)	ND (0.25)	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	ND (5)	ND (5)	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	ND (0.5)	ND (0.5)	-
Total Petroleum Hydrocarbons (C7-C44)	ND (4.8)	ND (4.8)	ND (4.8)	ND (4.8)	ND (4.8)	**7.1**	ND (4.8)	ND (4.8)	ND (4.8)	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	**0.88**	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	**0.13**	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	ND (5)	ND (5)	-
Total Petroleum Hydrocarbons (C15-C16)	**0.25**	**0.18**	**1.5**	**0.39**	-	**2**	-	-	**0.65**	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	**0.63**	**0.48**	**0.79**	**0.81**	-	**0.6**	**0.17**	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	**0.51**	**0.5**	**0.55**	**0.67**	-	**1.1**	**0.76**	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	**0.22**	**0.33**	**0.27**	**0.32**	-	**2.2**	**1.1**	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	**0.13**	**0.14**	**0.19**	**0.2**	-	**0.79**	**0.69**	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	ND (5)	ND (5)	-
Total Petroleum Hydrocarbons (C25-C28)	**0.16**	**0.16**	**0.43**	**0.38**	-	**0.44**	**0.15**	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.00021)	ND (0.00019)	ND (0.0002)	ND (0.00019)	ND (0.00019)	ND (0.00019)	ND (0.00018)	ND (0.00018)	**0.00091**	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.0004)	ND (0.00036)	ND (0.00038)	ND (0.00036)	ND (0.00037)	ND (0.00036)	ND (0.00035)	ND (0.00035)	ND (0.00035)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0203	DP0203	DP0204	DP0204	DP0205	DP0205	DP0207	DP0207	DP0207	DP0208	DP0208	DP0209
Sample Date	04/27/2006	04/27/2006	04/28/2006	04/28/2006	04/28/2006	04/28/2006	04/28/2006	04/28/2006	04/28/2006	05/24/2006	05/24/2006	05/23/2006
Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	10 (ft)	15 (ft)	10 (ft)	15 (ft)	10 (ft)	10 (ft)	15 (ft)	10 (ft)	15 (ft)	1 (ft)
Sample Name	DP0203_SS_010_01	DP0203_SS_015_01	DP0204_SS_010_01	DP0204_SS_015_01	DP0205_SS_010_01	DP0205_SS_015_01	DP0207_SS_010_01	DP0207_SS_010_02	DP0207_SS_015_01	DP0208-SS-010-01	DP0208-SS-015-01	DP0209-SS-001-01
1,1-Dichloroethane	ND (0.00032)	ND (0.00029)	ND (0.00031)	ND (0.00029)	ND (0.00029)	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.00052)	ND (0.00047)	ND (0.0005)	ND (0.00047)	ND (0.00048)	ND (0.00046)	ND (0.00046)	ND (0.00046)	ND (0.00045)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.00084)	ND (0.00075)	ND (0.0008)	ND (0.00075)	ND (0.00077)	ND (0.00075)	ND (0.00074)	ND (0.00073)	ND (0.00072)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00014)	ND (0.00014)	ND (0.00014)	ND (0.00013)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.00027)	ND (0.00024)	ND (0.00026)	ND (0.00024)	ND (0.00025)	ND (0.00024)	ND (0.00024)	ND (0.00024)	ND (0.00023)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00016)	ND (0.00016)	ND (0.00016)	ND (0.00016)	ND (0.00015)	ND (0.00015)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.0022)	ND (0.002)	ND (0.0021)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0019)	ND (0.0019)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	**0.03**	**0.024**	**0.028**	**0.031**	**0.028**	**0.024**	**0.031**	**0.028**	**0.027**	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.00011)	**0.00097**	**0.0017**	**0.0017**	**0.002**	**0.0026**	**0.0023**	**0.0017**	**0.0017**	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.00026)	ND (0.00023)	ND (0.00025)	ND (0.00023)	ND (0.00024)	ND (0.00023)	ND (0.00023)	ND (0.00023)	ND (0.00023)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.00028)	ND (0.00025)	ND (0.00027)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00024)	**0.0016**	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.00033)	ND (0.00029)	ND (0.00031)	ND (0.00029)	ND (0.0003)	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.00028)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.00021)	ND (0.00019)	ND (0.0002)	ND (0.00019)	ND (0.00019)	ND (0.00019)	ND (0.00018)	ND (0.00018)	ND (0.00018)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.00013)	ND (0.00011)	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.00011)	ND (0.00011)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00014)	ND (0.00014)	ND (0.00014)	ND (0.00013)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)	ND (0.00015)	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00014)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.0013)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.00015)	ND (0.00013)	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.00023)	ND (0.0002)	ND (0.00022)	ND (0.00021)	ND (0.00021)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00013)	**0.023**	**0.021**	**0.026**	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.0002)	**0.001**	**0.0012**	**0.0015**	**0.0012**	**0.0021**	**0.0013**	**0.0011**	**0.0012**	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.00029)	ND (0.00026)	ND (0.00028)	ND (0.00026)	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00026)	ND (0.00025)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)	ND (0.00021)	ND (0.00021)	**0.0017**	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	ND (0.00049)	ND (0.00043)	ND (0.00047)	ND (0.00044)	ND (0.00045)	ND (0.00043)	ND (0.00043)	ND (0.00043)	ND (0.00042)	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0209	DP0210	DP0210	DP0210	DP0211	DP0211	DP0211	DP0211	DP0212	DP0212	DP0212	DP0212
Sample Date	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)
Sample Name	DP0209-SS-005-01	DP0210-SS-001-01	DP0210-SS-005-01	DP0210-SS-010-01	DP0211-SS-001-01	DP0211-SS-005-01	DP0211-SS-010-01	DP0211-SS-015-01	DP0212-SS-001-01	DP0212-SS-005-01	DP0212-SS-010-01	DP0212-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	ND (0.025)	ND (0.025)	-	-	ND (0.025)	ND (0.025)	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	ND (0.025)	ND (0.025)	-	-	ND (0.025)	ND (0.025)	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	ND (0.025)	ND (0.025)	-	-	ND (0.025)	ND (0.025)	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0209	DP0210	DP0210	DP0210	DP0211	DP0211	DP0211	DP0211	DP0212	DP0212	DP0212	DP0212
Sample Date	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	5 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)
Sample Name	DP0209-SS-005-01	DP0210-SS-001-01	DP0210-SS-005-01	DP0210-SS-010-01	DP0211-SS-001-01	DP0211-SS-005-01	DP0211-SS-010-01	DP0211-SS-015-01	DP0212-SS-001-01	DP0212-SS-005-01	DP0212-SS-010-01	DP0212-SS-015-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	**0.0172**	ND (0.005)	ND (0.005)	**0.0314**	**0.0141**	**0.0108**	**0.0183**	**0.011**	ND (0.005)	**0.0056 J**	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0213	DP0213	DP0213	DP0213	DP0213	DP0214	DP0214	DP0214	DP0214	DP0215	DP0215	DP0215
Sample Date	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006
Sample Type	N	N	N	FD	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	5 (ft)
Sample Name	DP0213-SS-001-01	DP0213-SS-005-01	DP0213-SS-010-01	DP0213-SS-010-02	DP0213-SS-015-01	DP0214-SS-001-01	DP0214-SS-005-01	DP0214-SS-010-01	DP0214-SS-015-01	DP0215-SS-001-01	DP0215-SS-005-01	DP0215-SS-005-02
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	ND (0.025)	ND (0.025)	ND (0.025)	-	-	ND (0.025)	ND (0.025)	-	-	-	-
Aroclor-1254 (PCB-1254)	-	ND (0.025)	ND (0.025)	ND (0.025)	-	-	ND (0.025)	ND (0.025)	-	-	-	-
Aroclor-1260 (PCB-1260)	-	ND (0.025)	ND (0.025)	ND (0.025)	-	-	ND (0.025)	ND (0.025)	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0213	DP0213	DP0213	DP0213	DP0213	DP0214	DP0214	DP0214	DP0214	DP0215	DP0215	DP0215
Sample Date	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006	05/23/2006
Sample Type	N	N	N	FD	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	5 (ft)
Sample Name	DP0213-SS-001-01	DP0213-SS-005-01	DP0213-SS-010-01	DP0213-SS-010-02	DP0213-SS-015-01	DP0214-SS-001-01	DP0214-SS-005-01	DP0214-SS-010-01	DP0214-SS-015-01	DP0215-SS-001-01	DP0215-SS-005-01	DP0215-SS-005-02
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.0102**	ND (0.005)	**0.005 J**	**0.0052 J**	ND (0.005)	**0.0541**	**0.0069 J**	**0.0094 J**	**0.0084 J**	**0.0082 J**	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0215	DP0215	DP0216	DP0216	DP0216	DP0217	DP0217	DP0217	DP0217	DP0218	DP0218	DP0218
Sample Date	05/23/2006	05/23/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006
Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	3 (ft)	6 (ft)
Sample Name	DP0215-SS-010-01	DP0215-SS-015-01	DP0216-SS-001-01	DP0216-SS-005-01	DP0216-SS-010-01	DP0217-SS-001-01	DP0217-SS-001-02	DP0217-SS-005-01	DP0217-SS-010-01	DP0218-SS-001-01	DP0218-SS-003-01	DP0218-SS-006-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	-	-	-
Arsenic	-	-	-	-	-	**1.6 J**	**1.45 J**	**3.2 J**	**3.1 J**	-	-	-
Barium	-	-	-	-	-	**86**	**78.5**	**136**	**83**	-	-	-
Beryllium	-	-	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	-	-
Cadmium	-	-	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.3)	-	-	-
Chromium	-	-	-	-	-	**9.1**	**8.05**	**16.5**	**9.85**	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	**6.6**	**4.9 J**	**5.9**	**4.2 J**	-	-	-
Copper	-	-	-	-	-	**10.9**	**9.3**	**19.5**	**11.5**	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	ND (2.5)	ND (2.5)	**2.6 J**	ND (2.5)	-	-	-
Mercury	-	-	-	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	-	-
Molybdenum	-	-	-	-	-	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	-	-	-
Nickel	-	-	-	-	-	**12**	**10**	**20.7**	**14.9**	-	-	-
Selenium	-	-	-	-	-	ND (1)	ND (1)	ND (1)	ND (1)	-	-	-
Vanadium	-	-	-	-	-	**19.2**	**18.6**	**32.5**	**21.4**	-	-	-
Zinc	-	-	-	-	-	**31.6**	**30**	**49.1**	**30.7**	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0215	DP0215	DP0216	DP0216	DP0216	DP0217	DP0217	DP0217	DP0217	DP0218	DP0218	DP0218
Sample Date	05/23/2006	05/23/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006
Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	1 (ft)	5 (ft)	10 (ft)	1 (ft)	3 (ft)	6 (ft)
Sample Name	DP0215-SS-010-01	DP0215-SS-015-01	DP0216-SS-001-01	DP0216-SS-005-01	DP0216-SS-010-01	DP0217-SS-001-01	DP0217-SS-001-02	DP0217-SS-005-01	DP0217-SS-010-01	DP0218-SS-001-01	DP0218-SS-003-01	DP0218-SS-006-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	-	-	-
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-	-
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-	-
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0218	DP0219	DP0219	DP0219	DP0219	DP0220	DP0220	DP0220	DP0221	DP0221	DP0221	DP0221
Sample Date	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	07/28/2006	07/28/2006	07/28/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006
Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	1 (ft)	3 (ft)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)
Sample Name	DP0218-SS-006-02	DP0219-SS-001-01	DP0219-SS-003-01	DP0219-SS-006-01	DP0219-SS-010-01	DP0220-SS-001-01	DP0220-SS-003-01	DP0220-SS-006-01	DP0221-SS-001-01	DP0221-SS-003-01	DP0221-SS-006-01	DP0221-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0218	DP0219	DP0219	DP0219	DP0219	DP0220	DP0220	DP0220	DP0221	DP0221	DP0221	DP0221
Sample Date	05/24/2006	05/24/2006	05/24/2006	05/24/2006	05/24/2006	07/28/2006	07/28/2006	07/28/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006
Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	1 (ft)	3 (ft)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)
Sample Name	DP0218-SS-006-02	DP0219-SS-001-01	DP0219-SS-003-01	DP0219-SS-006-01	DP0219-SS-010-01	DP0220-SS-001-01	DP0220-SS-003-01	DP0220-SS-006-01	DP0221-SS-001-01	DP0221-SS-003-01	DP0221-SS-006-01	DP0221-SS-010-01
1,1-Dichloroethane	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	-	-	-	-	-	ND (0.005)	**0.0182**	ND (0.005)	ND (0.005)	**0.0199**	ND (0.005)	ND (0.005)
Toluene	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0221	DP0222	DP0222	DP0222	DP0223	DP0223	DP0223	DP0224	DP0224	DP0224	DP0224	DP0224
Sample Date	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	15 (ft)	1 (ft)	3 (ft)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)
Sample Name	DP0221-SS-015-01	DP0222-SS-001-01	DP0222-SS-003-01	DP0222-SS-006-01	DP0223-SS-001-01	DP0223-SS-003-01	DP0223-SS-006-01	DP0224-SS-001-01	DP0224-SS-003-01	DP0224-SS-006-01	DP0224-SS-010-01	DP0224-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0221	DP0222	DP0222	DP0222	DP0223	DP0223	DP0223	DP0224	DP0224	DP0224	DP0224	DP0224
Sample Date	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	15 (ft)	1 (ft)	3 (ft)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)
Sample Name	DP0221-SS-015-01	DP0222-SS-001-01	DP0222-SS-003-01	DP0222-SS-006-01	DP0223-SS-001-01	DP0223-SS-003-01	DP0223-SS-006-01	DP0224-SS-001-01	DP0224-SS-003-01	DP0224-SS-006-01	DP0224-SS-010-01	DP0224-SS-015-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0075 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0067 J**	**0.0126**	ND (0.005)	ND (0.005)	**0.0129**
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0225	DP0225	DP0225	DP0225	DP0225	DP0226	DP0226	DP0226	DP0226	DP0226	DP0227	DP0227
Sample Date	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/28/2006	07/28/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	3 (ft)
Sample Name	DP0225-SS-001-01	DP0225-SS-003-01	DP0225-SS-006-01	DP0225-SS-010-01	DP0225-SS-015-01	DP0226-SS-001-01	DP0226-SS-003-01	DP0226-SS-006-01	DP0226-SS-010-01	DP0226-SS-015-01	DP0227-SS-001-01	DP0227-SS-003-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0225	DP0225	DP0225	DP0225	DP0225	DP0226	DP0226	DP0226	DP0226	DP0226	DP0227	DP0227
Sample Date	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/28/2006	07/28/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	3 (ft)
Sample Name	DP0225-SS-001-01	DP0225-SS-003-01	DP0225-SS-006-01	DP0225-SS-010-01	DP0225-SS-015-01	DP0226-SS-001-01	DP0226-SS-003-01	DP0226-SS-006-01	DP0226-SS-010-01	DP0226-SS-015-01	DP0227-SS-001-01	DP0227-SS-003-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	**0.0075 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	**0.0221**	ND (0.005)	**0.0124**	**0.0072 J**	ND (0.005)	**0.029**	ND (0.005)	**0.0283**	**0.0195**	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0227	DP0227	DP0228	DP0228	DP0228	DP0228	DP0228	DP0229	DP0229	DP0229	DP0229	DP0229
Sample Date	07/28/2006	07/28/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006
Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)
Sample Name	DP0227-SS-003-02	DP0227-SS-006-01	DP0228-SS-001-01	DP0228-SS-003-01	DP0228-SS-006-01	DP0228-SS-010-01	DP0228-SS-015-01	DP0229-SS-001-01	DP0229-SS-003-01	DP0229-SS-006-01	DP0229-SS-010-01	DP0229-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0227	DP0227	DP0228	DP0228	DP0228	DP0228	DP0228	DP0229	DP0229	DP0229	DP0229	DP0229
Sample Date	07/28/2006	07/28/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006
Sample Type	FD	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)
Sample Name	DP0227-SS-003-02	DP0227-SS-006-01	DP0228-SS-001-01	DP0228-SS-003-01	DP0228-SS-006-01	DP0228-SS-010-01	DP0228-SS-015-01	DP0229-SS-001-01	DP0229-SS-003-01	DP0229-SS-006-01	DP0229-SS-010-01	DP0229-SS-015-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	**0.0076 J**	ND (0.005)	ND (0.005)	ND (0.005)	**0.0216**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0230	DP0230	DP0230	DP0230	DP0230	DP0231	DP0231	DP0231	DP0232	DP0232	DP0232	DP0232
Sample Date	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	3 (ft)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	6 (ft)
Sample Name	DP0230-SS-001-01	DP0230-SS-003-01	DP0230-SS-006-01	DP0230-SS-010-01	DP0230-SS-015-01	DP0231-SS-001-01	DP0231-SS-003-01	DP0231-SS-006-01	DP0232-SS-001-01	DP0232-SS-003-01	DP0232-SS-006-01	DP0232-SS-006-02
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0230	DP0230	DP0230	DP0230	DP0230	DP0231	DP0231	DP0231	DP0232	DP0232	DP0232	DP0232
Sample Date	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/26/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006
Sample Type	N	N	N	N	N	N	N	N	N	N	N	FD
Sample Depth (bgs)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	3 (ft)	6 (ft)	1 (ft)	3 (ft)	6 (ft)	6 (ft)
Sample Name	DP0230-SS-001-01	DP0230-SS-003-01	DP0230-SS-006-01	DP0230-SS-010-01	DP0230-SS-015-01	DP0231-SS-001-01	DP0231-SS-003-01	DP0231-SS-006-01	DP0232-SS-001-01	DP0232-SS-003-01	DP0232-SS-006-01	DP0232-SS-006-02
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	**0.0208**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.005 J**	ND (0.005)	ND (0.005)	**0.0101**	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0233	DP0233	DP0233	DP0233	DP0233	DP0233	DP0234	DP0234	DP0234	DP0234	DP0234	DP0234
Sample Date	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006
Sample Type	N	N	FD	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	1 (ft)	3 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)
Sample Name	DP0233-SS-001-01	DP0233-SS-003-01	DP0233-SS-003-02	DP0233-SS-006-01	DP0233-SS-010-01	DP0233-SS-015-01	DP0234-SS-001-01	DP0234-SS-001-02	DP0234-SS-003-01	DP0234-SS-006-01	DP0234-SS-010-01	DP0234-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0233	DP0233	DP0233	DP0233	DP0233	DP0233	DP0234	DP0234	DP0234	DP0234	DP0234	DP0234
Sample Date	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006
Sample Type	N	N	FD	N	N	N	N	FD	N	N	N	N
Sample Depth (bgs)	1 (ft)	3 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)
Sample Name	DP0233-SS-001-01	DP0233-SS-003-01	DP0233-SS-003-02	DP0233-SS-006-01	DP0233-SS-010-01	DP0233-SS-015-01	DP0234-SS-001-01	DP0234-SS-001-02	DP0234-SS-003-01	DP0234-SS-006-01	DP0234-SS-010-01	DP0234-SS-015-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.0083 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0054 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0235	DP0235	DP0235	DP0235	DP0235	DP0235	DP0236	DP0236	DP0236	DP0236	DP0236	DP0236
Sample Date	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006
Sample Type	N	FD	N	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	1 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	3 (ft)	6 (ft)	6 (ft)	10 (ft)	15 (ft)
Sample Name	DP0235-SS-001-01	DP0235-SS-001-02	DP0235-SS-003-01	DP0235-SS-006-01	DP0235-SS-010-01	DP0235-SS-015-01	DP0236-SS-001-01	DP0236-SS-003-01	DP0236-SS-006-01	DP0236-SS-006-02	DP0236-SS-010-01	DP0236-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0235	DP0235	DP0235	DP0235	DP0235	DP0235	DP0236	DP0236	DP0236	DP0236	DP0236	DP0236
Sample Date	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006
Sample Type	N	FD	N	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	1 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	3 (ft)	6 (ft)	6 (ft)	10 (ft)	15 (ft)
Sample Name	DP0235-SS-001-01	DP0235-SS-001-02	DP0235-SS-003-01	DP0235-SS-006-01	DP0235-SS-010-01	DP0235-SS-015-01	DP0236-SS-001-01	DP0236-SS-003-01	DP0236-SS-006-01	DP0236-SS-006-02	DP0236-SS-010-01	DP0236-SS-015-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.0079 J**	**0.0117**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.0079 J**	**0.0143**
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0237	DP0237	DP0237	DP0237	DP0238	DP0238	DP0238	DP0238	DP0238	DP0238	DP0239	DP0240
Sample Date	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	10/01/2008	10/01/2008
Sample Type	N	N	FD	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	3 (ft)	3 (ft)	6 (ft)	1 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	1 (ft)
Sample Name	DP0237-SS-001-01	DP0237-SS-003-01	DP0237-SS-003-02	DP0237-SS-006-01	DP0238-SS-001-01	DP0238-SS-001-02	DP0238-SS-003-01	DP0238-SS-006-01	DP0238-SS-010-01	DP0238-SS-015-01	DP0239-SS-001-01	DP0240-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0237	DP0237	DP0237	DP0237	DP0238	DP0238	DP0238	DP0238	DP0238	DP0238	DP0239	DP0240
Sample Date	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	07/28/2006	10/01/2008	10/01/2008
Sample Type	N	N	FD	N	N	FD	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	3 (ft)	3 (ft)	6 (ft)	1 (ft)	1 (ft)	3 (ft)	6 (ft)	10 (ft)	15 (ft)	1 (ft)	1 (ft)
Sample Name	DP0237-SS-001-01	DP0237-SS-003-01	DP0237-SS-003-02	DP0237-SS-006-01	DP0238-SS-001-01	DP0238-SS-001-02	DP0238-SS-003-01	DP0238-SS-006-01	DP0238-SS-010-01	DP0238-SS-015-01	DP0239-SS-001-01	DP0240-SS-001-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-
Benzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.001)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	-
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
m,p-Xylenes	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
o-Xylene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	-	-
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.005)	**0.0175**	**0.0191**	ND (0.005)	ND (0.005)	ND (0.005)	**0.0414**	**0.0051 J**	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
Toluene	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0241	DP0241	DP0242	DP0243	DP0243	DP0244	DP0244	DP0245	DP0245	DP0246	DP0246	DP0247
Sample Date	10/01/2008	10/01/2008	10/01/2008	10/01/2008	10/01/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	1 (ft)	1 (ft)	5 (ft)	1 (ft)	5 (ft)	1 (ft)	5 (ft)	1 (ft)	5 (ft)	1 (ft)
Sample Name	DP0241-SS-001-01	DP0241-SS-005-01	DP0242-SS-001-01	DP0243-SS-001-01	DP0243-SS-005-01	DP0244-SS-001-01	DP0244-SS-005-01	DP0245-SS-001-01	DP0245-SS-005-01	DP0246-SS-001-01	DP0246-SS-005-01	DP0247-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0241	DP0241	DP0242	DP0243	DP0243	DP0244	DP0244	DP0245	DP0245	DP0246	DP0246	DP0247
Sample Date	10/01/2008	10/01/2008	10/01/2008	10/01/2008	10/01/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	1 (ft)	1 (ft)	5 (ft)	1 (ft)	5 (ft)	1 (ft)	5 (ft)	1 (ft)	5 (ft)	1 (ft)
Sample Name	DP0241-SS-001-01	DP0241-SS-005-01	DP0242-SS-001-01	DP0243-SS-001-01	DP0243-SS-005-01	DP0244-SS-001-01	DP0244-SS-005-01	DP0245-SS-001-01	DP0245-SS-005-01	DP0246-SS-001-01	DP0246-SS-005-01	DP0247-SS-001-01
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.0016**	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	**0.0032**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.0061**	**0.013**	**0.012**

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0247	DP0247	DP0248	DP0248	DP0248	DP0249	DP0249	DP0249	DP0250	DP0250	DP0250	DP0251
Sample Date	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/06/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	5 (ft)	1 (ft)	3 (ft)	5 (ft)	1 (ft)	3 (ft)	5 (ft)	1 (ft)	3 (ft)	5 (ft)	1 (ft)
Sample Name	DP0247-SS-003-01	DP0247-SS-005-01	DP0248-SS-001-01	DP0248-SS-003-01	DP0248-SS-005-01	DP0249-SS-001-01	DP0249-SS-003-01	DP0249-SS-005-01	DP0250-SS-001-01	DP0250-SS-003-01	DP0250-SS-005-01	DP0251-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0247	DP0247	DP0248	DP0248	DP0248	DP0249	DP0249	DP0249	DP0250	DP0250	DP0250	DP0251
Sample Date	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/02/2008	10/06/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	5 (ft)	1 (ft)	3 (ft)	5 (ft)	1 (ft)	3 (ft)	5 (ft)	1 (ft)	3 (ft)	5 (ft)	1 (ft)
Sample Name	DP0247-SS-003-01	DP0247-SS-005-01	DP0248-SS-001-01	DP0248-SS-003-01	DP0248-SS-005-01	DP0249-SS-001-01	DP0249-SS-003-01	DP0249-SS-005-01	DP0250-SS-001-01	DP0250-SS-003-01	DP0250-SS-005-01	DP0251-SS-001-01
1,1-Dichloroethane	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
1,1-Dichloroethene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
1,2-Dichloroethane	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
Ethylbenzene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
Isopropylbenzene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
n-Propylbenzene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
Tetrachloroethene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
Toluene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
Trichloroethene	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-
Xylene (total)	-	-	ND (0.001)	-	-	ND (0.001)	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0251	DP0251	DP0252	DP0252	DP0252	DP0253	DP0253	DP0253	DP0254	DP0254	DP0254	DP0255
Sample Date	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	5 (ft)	1 (ft)	3 (ft)	5 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	14 (ft)	5 (ft)
Sample Name	DP0251-SS-003-01	DP0251-SS-005-01	DP0252-SS-001-01	DP0252-SS-003-01	DP0252-SS-005-01	DP0253-SS-005-01	DP0253-SS-010-01	DP0253-SS-015-01	DP0254-SS-005-01	DP0254-SS-010-01	DP0254-SS-014-01	DP0255-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0251	DP0251	DP0252	DP0252	DP0252	DP0253	DP0253	DP0253	DP0254	DP0254	DP0254	DP0255
Sample Date	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	5 (ft)	1 (ft)	3 (ft)	5 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	14 (ft)	5 (ft)
Sample Name	DP0251-SS-003-01	DP0251-SS-005-01	DP0252-SS-001-01	DP0252-SS-003-01	DP0252-SS-005-01	DP0253-SS-005-01	DP0253-SS-010-01	DP0253-SS-015-01	DP0254-SS-005-01	DP0254-SS-010-01	DP0254-SS-014-01	DP0255-SS-005-01
1,1-Dichloroethane	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0255	DP0255	DP0256	DP0256	DP0256	DP0257	DP0257	DP0257	DP0257	DP0258	DP0258	DP0258
Sample Date	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/07/2008	10/07/2008	10/07/2008	10/07/2008	10/07/2008	10/07/2008	10/07/2008
Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	6 (ft)	10 (ft)	15 (ft)	5 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)
Sample Name	DP0255-SS-010-01	DP0255-SS-015-01	DP0256-SS-006-01	DP0256-SS-010-01	DP0256-SS-015-01	DP0257-SS-005-01	DP0257-SS-005-02	DP0257-SS-010-01	DP0257-SS-015-01	DP0258-SS-005-01	DP0258-SS-010-01	DP0258-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0255	DP0255	DP0256	DP0256	DP0256	DP0257	DP0257	DP0257	DP0257	DP0258	DP0258	DP0258
Sample Date	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008	10/07/2008	10/07/2008	10/07/2008	10/07/2008	10/07/2008	10/07/2008	10/07/2008
Sample Type	N	N	N	N	N	N	FD	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	15 (ft)	6 (ft)	10 (ft)	15 (ft)	5 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)
Sample Name	DP0255-SS-010-01	DP0255-SS-015-01	DP0256-SS-006-01	DP0256-SS-010-01	DP0256-SS-015-01	DP0257-SS-005-01	DP0257-SS-005-02	DP0257-SS-010-01	DP0257-SS-015-01	DP0258-SS-005-01	DP0258-SS-010-01	DP0258-SS-015-01
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0259	DP0259	DP0259	DP0260	DP0260	DP0260	DP0261	DP0261	DP0262	DP0262	DP0262	DP0262
Sample Date	10/06/2008	10/06/2008	10/06/2008	10/03/2008	10/03/2008	10/03/2008	10/07/2008	10/07/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008
Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	15 (ft)	5 (ft)	5 (ft)	10 (ft)	15 (ft)
Sample Name	DP0259-SS-005-01	DP0259-SS-010-01	DP0259-SS-015-01	DP0260-SS-005-01	DP0260-SS-010-01	DP0260-SS-015-01	DP0261-SS-005-01	DP0261-SS-015-01	DP0262-SS-005-01	DP0262-SS-005-02	DP0262-SS-010-01	DP0262-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0259	DP0259	DP0259	DP0260	DP0260	DP0260	DP0261	DP0261	DP0262	DP0262	DP0262	DP0262
Sample Date	10/06/2008	10/06/2008	10/06/2008	10/03/2008	10/03/2008	10/03/2008	10/07/2008	10/07/2008	10/03/2008	10/03/2008	10/03/2008	10/03/2008
Sample Type	N	N	N	N	N	N	N	N	N	FD	N	N
Sample Depth (bgs)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	15 (ft)	5 (ft)	5 (ft)	10 (ft)	15 (ft)
Sample Name	DP0259-SS-005-01	DP0259-SS-010-01	DP0259-SS-015-01	DP0260-SS-005-01	DP0260-SS-010-01	DP0260-SS-015-01	DP0261-SS-005-01	DP0261-SS-015-01	DP0262-SS-005-01	DP0262-SS-005-02	DP0262-SS-010-01	DP0262-SS-015-01
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0263	DP0263	DP0263	DP0263	DP0264	DP0264	DP0264	DP0264	DP0265	DP0265	DP0266	DP0266
Sample Date	10/07/2008	10/07/2008	10/07/2008	10/07/2008	10/09/2008	10/09/2008	10/09/2008	10/09/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	14 (ft)	1 (ft)	5 (ft)	1 (ft)	5 (ft)
Sample Name	DP0263-SS-001-01	DP0263-SS-005-01	DP0263-SS-010-01	DP0263-SS-015-01	DP0264-SS-001-01	DP0264-SS-005-01	DP0264-SS-010-01	DP0264-SS-014-01	DP0265-SS-001-01	DP0265-SS-005-01	DP0266-SS-001-01	DP0266-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0263	DP0263	DP0263	DP0263	DP0264	DP0264	DP0264	DP0264	DP0265	DP0265	DP0266	DP0266
Sample Date	10/07/2008	10/07/2008	10/07/2008	10/07/2008	10/09/2008	10/09/2008	10/09/2008	10/09/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	14 (ft)	1 (ft)	5 (ft)	1 (ft)	5 (ft)
Sample Name	DP0263-SS-001-01	DP0263-SS-005-01	DP0263-SS-010-01	DP0263-SS-015-01	DP0264-SS-001-01	DP0264-SS-005-01	DP0264-SS-010-01	DP0264-SS-014-01	DP0265-SS-001-01	DP0265-SS-005-01	DP0266-SS-001-01	DP0266-SS-005-01
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0267	DP0267	DP0267	DP0267	DP0268	DP0268	DP0268	DP0268	DP0269	DP0269	DP0269	DP0269
Sample Date	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)
Sample Name	DP0267-SS-001-01	DP0267-SS-005-01	DP0267-SS-010-01	DP0267-SS-015-01	DP0268-SS-001-01	DP0268-SS-005-01	DP0268-SS-010-01	DP0268-SS-015-01	DP0269-SS-001-01	DP0269-SS-005-01	DP0269-SS-010-01	DP0269-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0267	DP0267	DP0267	DP0267	DP0268	DP0268	DP0268	DP0268	DP0269	DP0269	DP0269	DP0269
Sample Date	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/06/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	5 (ft)	10 (ft)	15 (ft)
Sample Name	DP0267-SS-001-01	DP0267-SS-005-01	DP0267-SS-010-01	DP0267-SS-015-01	DP0268-SS-001-01	DP0268-SS-005-01	DP0268-SS-010-01	DP0268-SS-015-01	DP0269-SS-001-01	DP0269-SS-005-01	DP0269-SS-010-01	DP0269-SS-015-01
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0270	DP0270	DP0270	DP0270	DP0271	DP0271	DP0271	DP0272	DP0272	DP0272	DP0272	DP0272
Sample Date	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/07/2008	10/07/2008	10/07/2008	10/09/2008	10/09/2008	10/09/2008	10/09/2008	10/09/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	6 (ft)	10 (ft)	10 (ft)	15 (ft)
Sample Name	DP0270-SS-001-01	DP0270-SS-005-01	DP0270-SS-010-01	DP0270-SS-015-01	DP0271-SS-005-01	DP0271-SS-010-01	DP0271-SS-015-01	DP0272-SS-001-01	DP0272-SS-006-01	DP0272-SS-010-01	DP0272-SS-010-02	DP0272-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0270	DP0270	DP0270	DP0270	DP0271	DP0271	DP0271	DP0272	DP0272	DP0272	DP0272	DP0272
Sample Date	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/07/2008	10/07/2008	10/07/2008	10/09/2008	10/09/2008	10/09/2008	10/09/2008	10/09/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	6 (ft)	10 (ft)	10 (ft)	15 (ft)
Sample Name	DP0270-SS-001-01	DP0270-SS-005-01	DP0270-SS-010-01	DP0270-SS-015-01	DP0271-SS-005-01	DP0271-SS-010-01	DP0271-SS-015-01	DP0272-SS-001-01	DP0272-SS-006-01	DP0272-SS-010-01	DP0272-SS-010-02	DP0272-SS-015-01
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.012**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.086**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0273	DP0273	DP0273	DP0274	DP0274	DP0274	DP0274	DP0275	DP0275	DP0275	DP0275	DP0276
Sample Date	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	1 (ft)	3 (ft)	5 (ft)	1 (ft)	3 (ft)	5 (ft)	10 (ft)	1 (ft)	3 (ft)	5 (ft)	5 (ft)	1 (ft)
Sample Name	DP0273-SS-001-01	DP0273-SS-003-01	DP0273-SS-005-01	DP0274-SS-001-01	DP0274-SS-003-01	DP0274-SS-005-01	DP0274-SS-010-01	DP0275-SS-001-01	DP0275-SS-003-01	DP0275-SS-005-01	DP0275-SS-005-02	DP0276-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.0028**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0273	DP0273	DP0273	DP0274	DP0274	DP0274	DP0274	DP0275	DP0275	DP0275	DP0275	DP0276
Sample Date	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008	10/08/2008
Sample Type	N	N	N	N	N	N	N	N	N	N	FD	N
Sample Depth (bgs)	1 (ft)	3 (ft)	5 (ft)	1 (ft)	3 (ft)	5 (ft)	10 (ft)	1 (ft)	3 (ft)	5 (ft)	5 (ft)	1 (ft)
Sample Name	DP0273-SS-001-01	DP0273-SS-003-01	DP0273-SS-005-01	DP0274-SS-001-01	DP0274-SS-003-01	DP0274-SS-005-01	DP0274-SS-010-01	DP0275-SS-001-01	DP0275-SS-003-01	DP0275-SS-005-01	DP0275-SS-005-02	DP0276-SS-001-01
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	**0.0022**	ND (0.001)	**0.02**	**0.478**	**0.0015**	**0.04**	**0.015**	**0.013**	ND (0.001)	ND (0.001)	**0.656**
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.0098**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.073**
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0276	DP0276	DP0276	DP0277	DP0278	DP0279	DP0280	DP0281	DP0282	DP0283	DP0284	DP0285
Sample Date	10/08/2008	10/08/2008	10/08/2008	10/21/2009	10/21/2009	10/22/2009	10/19/2009	10/22/2009	10/20/2009	10/20/2009	10/20/2009	11/10/2009
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	5 (ft)	10 (ft)	4 (ft)	1 (ft)	9 (ft)	5 (ft)	2 (ft)	7 (ft)	7 (ft)	8 (ft)	15 (ft)
Sample Name	DP0276-SS-003-01	DP0276-SS-005-01	DP0276-SS-010-01	DP0277-SS-004-01	DP0278-SS-001-01	DP0279-SS-009-01	DP0280-SS-005-01	DP0281-SS-002-01	DP0282-SS-007-01	DP0283-SS-007-01	DP0284-SS-008-01	DP0285-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0276	DP0276	DP0276	DP0277	DP0278	DP0279	DP0280	DP0281	DP0282	DP0283	DP0284	DP0285
Sample Date	10/08/2008	10/08/2008	10/08/2008	10/21/2009	10/21/2009	10/22/2009	10/19/2009	10/22/2009	10/20/2009	10/20/2009	10/20/2009	11/10/2009
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	5 (ft)	10 (ft)	4 (ft)	1 (ft)	9 (ft)	5 (ft)	2 (ft)	7 (ft)	7 (ft)	8 (ft)	15 (ft)
Sample Name	DP0276-SS-003-01	DP0276-SS-005-01	DP0276-SS-010-01	DP0277-SS-004-01	DP0278-SS-001-01	DP0279-SS-009-01	DP0280-SS-005-01	DP0281-SS-002-01	DP0282-SS-007-01	DP0283-SS-007-01	DP0284-SS-008-01	DP0285-SS-015-01
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	**0.332**	**0.0029**	**0.036**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	**0.018**	ND (0.001)	**0.0059**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	**0.002**	ND (0.001)	**0.002**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	**0.0011**	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	**0.0084**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	**0.0029**	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	**0.0013**	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.03**	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	**0.0017**	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	-	-	-	-	-	-	-
Xylene (total)	**0.025**	ND (0.001)	**0.0072**	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0286	DP0286	DP0286	DP0287	DP0287	DP0287	DP0288	DP0288	DP0288	DP0288	DP0289	DP0289
Sample Date	10/19/2009	10/19/2009	10/19/2009	10/20/2009	10/20/2009	10/20/2009	10/19/2009	10/19/2009	10/19/2009	11/23/2009	10/19/2009	10/19/2009
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	6 (ft)	9 (ft)	1 (ft)	6 (ft)	8 (ft)	2 (ft)	4 (ft)	8 (ft)	13 (ft)	1 (ft)	5 (ft)
Sample Name	DP0286-SS-003-01	DP0286-SS-006-01	DP0286-SS-009-01	DP0287-SS-001-01	DP0287-SS-006-01	DP0287-SS-008-01	DP0288-SS-002-01	DP0288-SS-004-01	DP0288-SS-008-01	DP0288-SS-013-01	DP0289-SS-001-01	DP0289-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.00565 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0286	DP0286	DP0286	DP0287	DP0287	DP0287	DP0288	DP0288	DP0288	DP0288	DP0289	DP0289
Sample Date	10/19/2009	10/19/2009	10/19/2009	10/20/2009	10/20/2009	10/20/2009	10/19/2009	10/19/2009	10/19/2009	11/23/2009	10/19/2009	10/19/2009
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	6 (ft)	9 (ft)	1 (ft)	6 (ft)	8 (ft)	2 (ft)	4 (ft)	8 (ft)	13 (ft)	1 (ft)	5 (ft)
Sample Name	DP0286-SS-003-01	DP0286-SS-006-01	DP0286-SS-009-01	DP0287-SS-001-01	DP0287-SS-006-01	DP0287-SS-008-01	DP0288-SS-002-01	DP0288-SS-004-01	DP0288-SS-008-01	DP0288-SS-013-01	DP0289-SS-001-01	DP0289-SS-005-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	**0.00737 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0289	DP0289	DP0290	DP0290	DP0290	DP0290	DP0291	DP0291	DP0291	DP0291	DP0292	DP0292
Sample Date	10/19/2009	11/23/2009	10/19/2009	10/19/2009	10/19/2009	11/23/2009	10/19/2009	10/21/2009	10/21/2009	11/23/2009	10/19/2009	10/21/2009
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	15 (ft)	1 (ft)	5 (ft)	8 (ft)	13 (ft)	1 (ft)	4 (ft)	9 (ft)	13 (ft)	1 (ft)	7 (ft)
Sample Name	DP0289-SS-009-01	DP0289-SS-015-01	DP0290-SS-001-01	DP0290-SS-005-01	DP0290-SS-008-01	DP0290-SS-013-01	DP0291-SS-001-01	DP0291-SS-004-01	DP0291-SS-009-01	DP0291-SS-013-01	DP0292-SS-001-01	DP0292A-SS-007-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	ND (1)	-	-	-	-	-
Arsenic	-	-	-	-	-	-	ND (1)	-	-	-	-	-
Barium	-	-	-	-	-	-	**80**	-	-	-	-	-
Beryllium	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-
Cadmium	-	-	-	-	-	-	ND (1.3)	-	-	-	-	-
Chromium	-	-	-	-	-	-	**7.5**	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	**10.8**	-	-	-	-	-
Copper	-	-	-	-	-	-	**12.4**	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	ND (2.5)	-	-	-	-	-
Mercury	-	-	-	-	-	-	ND (0.1)	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	ND (2.5)	-	-	-	-	-
Nickel	-	-	-	-	-	-	**8.5**	-	-	-	-	-
Selenium	-	-	-	-	-	-	ND (1)	-	-	-	-	-
Vanadium	-	-	-	-	-	-	**14.7**	-	-	-	-	-
Zinc	-	-	-	-	-	-	**28.1**	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0289	DP0289	DP0290	DP0290	DP0290	DP0290	DP0291	DP0291	DP0291	DP0291	DP0292	DP0292
Sample Date	10/19/2009	11/23/2009	10/19/2009	10/19/2009	10/19/2009	11/23/2009	10/19/2009	10/21/2009	10/21/2009	11/23/2009	10/19/2009	10/21/2009
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	9 (ft)	15 (ft)	1 (ft)	5 (ft)	8 (ft)	13 (ft)	1 (ft)	4 (ft)	9 (ft)	13 (ft)	1 (ft)	7 (ft)
Sample Name	DP0289-SS-009-01	DP0289-SS-015-01	DP0290-SS-001-01	DP0290-SS-005-01	DP0290-SS-008-01	DP0290-SS-013-01	DP0291-SS-001-01	DP0291-SS-004-01	DP0291-SS-009-01	DP0291-SS-013-01	DP0292-SS-001-01	DP0292A-SS-007-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0293	DP0293	DP0293	DP0294	DP0294	DP0294	DP0294	DP0295	DP0295	DP0295	DP0295	DP0296
Sample Date	10/20/2009	10/20/2009	10/20/2009	10/23/2009	10/23/2009	10/23/2009	11/19/2009	10/23/2009	10/23/2009	10/23/2009	11/20/2009	10/23/2009
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	6 (ft)	9 (ft)	1 (ft)	5 (ft)	7 (ft)	15 (ft)	1 (ft)	5 (ft)	9 (ft)	15 (ft)	1 (ft)
Sample Name	DP0293-SS-001-01	DP0293-SS-006-01	DP0293-SS-009-01	DP0294-SS-001-01	DP0294-SS-005-01	DP0294-SS-007-01	DP0294-SS-015-01	DP0295-SS-001-01	DP0295-SS-005-01	DP0295-SS-009-01	DP0295-SS-015-01	DP0296-SS-001-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0293	DP0293	DP0293	DP0294	DP0294	DP0294	DP0294	DP0295	DP0295	DP0295	DP0295	DP0296
Sample Date	10/20/2009	10/20/2009	10/20/2009	10/23/2009	10/23/2009	10/23/2009	11/19/2009	10/23/2009	10/23/2009	10/23/2009	11/20/2009	10/23/2009
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	6 (ft)	9 (ft)	1 (ft)	5 (ft)	7 (ft)	15 (ft)	1 (ft)	5 (ft)	9 (ft)	15 (ft)	1 (ft)
Sample Name	DP0293-SS-001-01	DP0293-SS-006-01	DP0293-SS-009-01	DP0294-SS-001-01	DP0294-SS-005-01	DP0294-SS-007-01	DP0294-SS-015-01	DP0295-SS-001-01	DP0295-SS-005-01	DP0295-SS-009-01	DP0295-SS-015-01	DP0296-SS-001-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.00126 J**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	**0.00683 J**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.00111 J**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0296	DP0296	DP0296	DP0296	DP0297	DP0298	DP0298	DP0298	DP0299	DP0299	DP0299	DP0299
Sample Date	10/23/2009	10/23/2009	10/23/2009	11/20/2009	11/03/2009	04/15/2010	04/15/2010	04/16/2010	04/15/2010	04/15/2010	04/17/2010	04/17/2010
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2 (ft)	4 (ft)	8 (ft)	11 (ft)	15 (ft)	1.5 (ft)	5 (ft)	10 (ft)	2 (ft)	7 (ft)	10 (ft)	15 (ft)
Sample Name	DP0296-SS-002-01	DP0296-SS-004-01	DP0296-SS-008-01	DP0296-SS-011-01	DP0297-SS-015-01	DP0298-SS-0015-01	DP0298-SS-005-01	DP0298-SS-010-01	DP0299-SS-002-01	DP0299-SS-007-01	DP0299-SS-010-01	DP0299-SS-015-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0296	DP0296	DP0296	DP0296	DP0297	DP0298	DP0298	DP0298	DP0299	DP0299	DP0299	DP0299
Sample Date	10/23/2009	10/23/2009	10/23/2009	11/20/2009	11/03/2009	04/15/2010	04/15/2010	04/16/2010	04/15/2010	04/15/2010	04/17/2010	04/17/2010
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2 (ft)	4 (ft)	8 (ft)	11 (ft)	15 (ft)	1.5 (ft)	5 (ft)	10 (ft)	2 (ft)	7 (ft)	10 (ft)	15 (ft)
Sample Name	DP0296-SS-002-01	DP0296-SS-004-01	DP0296-SS-008-01	DP0296-SS-011-01	DP0297-SS-015-01	DP0298-SS-0015-01	DP0298-SS-005-01	DP0298-SS-010-01	DP0299-SS-002-01	DP0299-SS-007-01	DP0299-SS-010-01	DP0299-SS-015-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
m,p-Xylenes	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
o-Xylene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0300	DP0300	DP0300	DP0300	DP0303	DP0303	DP0303	DP0304	DP0304	DP0304	DP0305	DP0305
Sample Date	04/15/2010	04/15/2010	04/18/2010	04/18/2010	05/12/2014	05/12/2014	05/12/2014	05/12/2014	05/12/2014	05/12/2014	05/08/2014	05/08/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	8 (ft)	14 (ft)	3 (ft)	5 (ft)	14 (ft)	2 (ft)	8 (ft)
Sample Name	DP0300-SS-001-01	DP0300-SS-005-01	DP0300-SS-010-01	DP0300-SS-015-01	DP-0303-SS-001-01	DP-0303-SS-008-01	DP-0303-SS-014-01	DP-0304-SS-003-01	DP-0304-SS-005-01	DP-0304-SS-014-01	DP-0305-SS-002-01	DP-0305-SS-008-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	ND (0.147)	ND (0.149)	ND (0.146)	ND (0.153)	ND (0.15)	ND (0.149)	ND (0.149)	ND (0.147)
Arsenic	-	-	-	-	**2.08**	**3.52**	**3.09**	**2.51**	**3.25**	**3.14**	**3.8**	**3.42**
Barium	-	-	-	-	**134**	**143**	**87.7**	**117**	**124**	**128**	**83.9**	**111**
Beryllium	-	-	-	-	**0.344**	**0.303**	ND (0.134)	**0.371**	**0.387**	**0.407**	**0.4**	**0.372**
Cadmium	-	-	-	-	**0.657**	**0.809**	**0.99**	**1.07**	**1.05**	**0.986**	ND (0.135)	**1.07**
Chromium	-	-	-	-	**14.4**	**11.5**	**6.02**	**16.5**	**16.1**	**17.6**	**16.3**	**17.1**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	ND (0.029)	-	-	-	-
Cobalt	-	-	-	-	**6.21**	**5.38**	**4.31**	**6.66**	**7.07**	**6.3**	**7.7**	**7.58**
Copper	-	-	-	-	**13.9**	**10.4**	**5.61**	**15.1**	**14.8**	**15.5**	**8.09**	**13.3**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	**4.52**	**2.63**	**1.72**	**3**	**3.06**	**3.07**	**3.32**	**3.04**
Mercury	-	-	-	-	ND (0.00568)	ND (0.00587)	ND (0.00587)	ND (0.00568)	ND (0.00568)	ND (0.00587)	ND (0.00587)	ND (0.00587)
Molybdenum	-	-	-	-	**1.32**	**2.69**	**2.21**	**1.86**	**2.05**	**2.65**	**1.04**	**2.49**
Nickel	-	-	-	-	**15.7**	**16.1**	**10.8**	**21.3**	**20.6**	**23**	**14.4**	**21.7**
Selenium	-	-	-	-	ND (0.297)	ND (0.3)	ND (0.294)	ND (0.307)	ND (0.301)	ND (0.3)	ND (0.3)	ND (0.297)
Vanadium	-	-	-	-	**27.3**	**23.2**	**17.1**	**31.3**	**32.2**	**29.8**	**28.7**	**31.4**
Zinc	-	-	-	-	**41.8**	**31.5**	**14.7**	**40.1**	**40.5**	**40.3**	**44.6**	**35.5**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Aroclor-1254 (PCB-1254)	-	-	-	-	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor-1260 (PCB-1260)	-	-	-	-	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)
bis(2-Ethylhexyl)phthalate	-	-	-	-	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.096)
Butyl benzylphthalate	-	-	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Diethyl phthalate	-	-	-	-	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00024)	ND (0.0002)	ND (0.00023)	ND (0.00018)	ND (0.00016)	ND (0.00018)	ND (0.00017)	ND (0.00017)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00038)	ND (0.00032)	ND (0.00036)	ND (0.00029)	ND (0.00025)	ND (0.00028)	ND (0.00026)	ND (0.00027)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0300	DP0300	DP0300	DP0300	DP0303	DP0303	DP0303	DP0304	DP0304	DP0304	DP0305	DP0305
Sample Date	04/15/2010	04/15/2010	04/18/2010	04/18/2010	05/12/2014	05/12/2014	05/12/2014	05/12/2014	05/12/2014	05/12/2014	05/08/2014	05/08/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	5 (ft)	10 (ft)	15 (ft)	1 (ft)	8 (ft)	14 (ft)	3 (ft)	5 (ft)	14 (ft)	2 (ft)	8 (ft)
Sample Name	DP0300-SS-001-01	DP0300-SS-005-01	DP0300-SS-010-01	DP0300-SS-015-01	DP-0303-SS-001-01	DP-0303-SS-008-01	DP-0303-SS-014-01	DP-0304-SS-003-01	DP-0304-SS-005-01	DP-0304-SS-014-01	DP-0305-SS-002-01	DP-0305-SS-008-01
1,1-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00023)	ND (0.00019)	ND (0.00022)	ND (0.00017)	ND (0.00015)	ND (0.00016)	ND (0.00016)	ND (0.00016)
1,1-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00038)	ND (0.00031)	ND (0.00036)	ND (0.00028)	ND (0.00024)	ND (0.00027)	ND (0.00026)	ND (0.00027)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0009)	ND (0.00074)	ND (0.00085)	ND (0.00068)	ND (0.00058)	ND (0.00065)	ND (0.00061)	ND (0.00064)
1,2,4-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00064)	ND (0.00052)	ND (0.0006)	ND (0.00048)	ND (0.00041)	ND (0.00046)	ND (0.00043)	ND (0.00045)
1,2-Dichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00034)	ND (0.00028)	ND (0.00032)	ND (0.00026)	ND (0.00022)	ND (0.00024)	ND (0.00023)	ND (0.00024)
1,3,5-Trimethylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0006)	ND (0.00049)	ND (0.00056)	ND (0.00045)	ND (0.00038)	ND (0.00043)	ND (0.0004)	ND (0.00043)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.0041)	ND (0.0034)	ND (0.0039)	ND (0.0031)	ND (0.0026)	ND (0.0029)	ND (0.0028)	ND (0.0029)
2-Phenylbutane (sec-Butylbenzene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00063)	ND (0.00052)	ND (0.00059)	ND (0.00047)	ND (0.0004)	ND (0.00045)	ND (0.00043)	ND (0.00045)
Acetone	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.0068)	ND (0.0056)	ND (0.0064)	ND (0.0051)	ND (0.0044)	ND (0.0049)	ND (0.0046)	ND (0.0048)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00011)	ND (0.000091)	ND (0.0001)	ND (0.000096)	ND (0.0001)
Carbon disulfide	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.00033)	ND (0.00027)	ND (0.00031)	ND (0.00025)	ND (0.00021)	ND (0.00024)	ND (0.00023)	ND (0.00024)
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.0003)	ND (0.00025)	ND (0.00029)	ND (0.00023)	ND (0.0002)	ND (0.00022)	ND (0.00021)	ND (0.00022)
Cymene (p-Isopropyltoluene)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00068)	ND (0.00056)	ND (0.00065)	ND (0.00052)	ND (0.00044)	ND (0.00049)	ND (0.00046)	ND (0.00049)
Dichlorodifluoromethane (CFC-12)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.00048)	ND (0.0004)	ND (0.00046)	ND (0.00036)	ND (0.00031)	ND (0.00035)	ND (0.00033)	ND (0.00034)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)	ND (0.00012)
Isopropylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00059)	ND (0.00049)	ND (0.00056)	ND (0.00045)	ND (0.00038)	ND (0.00043)	ND (0.0004)	ND (0.00042)
m,p-Xylenes	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00029)	ND (0.00024)	ND (0.00028)	ND (0.00022)	ND (0.00019)	ND (0.00021)	ND (0.0002)	ND (0.00021)
Methylene chloride	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.0015)	ND (0.0012)	ND (0.0014)	ND (0.0011)	ND (0.00094)	ND (0.001)	ND (0.00099)	ND (0.001)
n-Propylbenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00055)	ND (0.00045)	ND (0.00052)	ND (0.00041)	ND (0.00035)	ND (0.00039)	ND (0.00037)	ND (0.00039)
o-Xylene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0006)	ND (0.0005)	ND (0.00057)	ND (0.00046)	ND (0.00039)	ND (0.00043)	ND (0.00041)	ND (0.00043)
Styrene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00066)	ND (0.00054)	ND (0.00062)	ND (0.0005)	ND (0.00042)	ND (0.00047)	ND (0.00045)	ND (0.00047)
Tetrachloroethene	ND (0.005)	**0.00875 J**	ND (0.005)	ND (0.005)	**0.0027**	ND (0.00019)	ND (0.00022)	ND (0.00017)	ND (0.00015)	**0.001**	ND (0.00015)	ND (0.00016)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.00056)	ND (0.00046)	ND (0.00053)	ND (0.00042)	ND (0.00036)	ND (0.0004)	ND (0.00038)	ND (0.0004)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00055)	ND (0.00045)	ND (0.00052)	ND (0.00041)	ND (0.00035)	ND (0.00039)	ND (0.00037)	ND (0.00039)
Trichloroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.00033)	ND (0.00027)	ND (0.00031)	ND (0.00025)	ND (0.00021)	ND (0.00023)	ND (0.00022)	ND (0.00023)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	ND (0.00038)	ND (0.00031)	ND (0.00036)	ND (0.00029)	ND (0.00025)	ND (0.00027)	ND (0.00026)	ND (0.00027)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0305	DP0306	DP0306	DP0306	DP0307	DP0307	DP0307	DP0308	DP0308	DP0308	DP0309	DP0309
Sample Date	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	12 (ft)	1 (ft)	4 (ft)	10 (ft)	3 (ft)	9 (ft)	14 (ft)	1 (ft)	5 (ft)	12 (ft)	1 (ft)	3 (ft)
Sample Name	DP-0305-SS-012-01	DP-0306-SS-001-01	DP-0306-SS-004-01	DP-0306-SS-010-01	DP-0307-SS-003-01	DP-0307-SS-009-01	DP-0307-SS-014-01	DP-0308-SS-001-01	DP-0308-SS-005-01	DP-0308-SS-012-01	DP-0309-SS-001-01	DP-0309-SS-003-01
Inorganic Compounds (mg/kg)												
Antimony	ND (0.151)	ND (0.15)	ND (0.143)	ND (0.149)	ND (0.143)	ND (0.154)	ND (0.149)	ND (0.147)	ND (0.152)	ND (0.147)	ND (0.145)	ND (0.145)
Arsenic	**2.09**	**2.66**	**7.92**	**3.42**	**5.2**	**3.4**	**3.41**	**0.743**	**4.13**	**3.61**	**1.94**	**3.17**
Barium	**245**	**117**	**177**	**142**	**167**	**146**	**137**	**74**	**142**	**151**	**101**	**138**
Beryllium	**0.638**	**0.315**	**0.519**	**0.362**	**0.486**	**0.451**	**0.429**	**0.32**	**0.535**	**0.462**	**0.311**	**0.627**
Cadmium	**1.72**	ND (0.137)	**1.36**	**1.03**	**1.38**	**1.31**	**1.03**	ND (0.133)	**1.58**	**1.24**	ND (0.132)	**1.17**
Chromium	**32.7**	**10.6**	**23**	**15.2**	**20.6**	**17.1**	**20.2**	**7.2**	**24.8**	**21.7**	**9.65**	**24.1**
Chromium VI (Hexavalent)	-	-	-	-	ND (0.029)	-	-	-	-	-	-	-
Cobalt	**8.21**	**6.11**	**8.64**	**6.48**	**8.8**	**6.88**	**5.97**	**4.34**	**9.15**	**7.2**	**5.18**	**7.47**
Copper	**29.2**	**11.4**	**29.9**	**13.7**	**20.5**	**16**	**17.3**	**5.16**	**21.2**	**19.2**	**10.3**	**21.8**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**3.81**	**1.66**	**24.1**	**3.04**	**8.15**	**3.4**	**3.22**	**2.15**	**3.94**	**3.45**	**1.8**	**4.23**
Mercury	ND (0.00587)	ND (0.00568)	ND (0.00578)	ND (0.00607)	ND (0.00559)	ND (0.00597)	ND (0.00587)	ND (0.00597)	ND (0.00597)	ND (0.00587)	ND (0.00587)	ND (0.00587)
Molybdenum	**1.85**	**1.6**	**2.34**	**2.07**	**2.02**	**2**	**2.12**	**0.416**	**2.36**	**2.67**	**1.49**	**1.46**
Nickel	**33.7**	**11.8**	**26.9**	**21.5**	**25.6**	**22**	**22.9**	**6.79**	**32.4**	**28.9**	**11.9**	**27.8**
Selenium	ND (0.304)	ND (0.303)	ND (0.287)	ND (0.3)	ND (0.288)	ND (0.31)	ND (0.3)	ND (0.295)	ND (0.306)	ND (0.297)	ND (0.292)	ND (0.292)
Vanadium	**45.1**	**24.1**	**41.9**	**28.4**	**36.6**	**33.2**	**33.6**	**17.3**	**43.9**	**37.9**	**19.3**	**42.7**
Zinc	**65.7**	**36**	**52.6**	**37.1**	**50.3**	**43.5**	**44.8**	**24.8**	**52.9**	**47.9**	**32.4**	**50.1**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)
Aroclor-1254 (PCB-1254)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	**0.055**	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor-1260 (PCB-1260)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)
bis(2-Ethylhexyl)phthalate	ND (0.097)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.097)	**1.9**	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.096)
Butyl benzylphthalate	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Diethyl phthalate	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.0002)	ND (0.00019)	**0.001**	ND (0.00018)	ND (0.00019)	ND (0.00016)	ND (0.00018)	ND (0.011)	ND (0.00023)	ND (0.00019)	ND (0.0002)	ND (0.00019)
1,1,2-Trichloroethane	ND (0.00031)	ND (0.00029)	ND (0.00031)	ND (0.00028)	ND (0.00029)	ND (0.00026)	ND (0.00028)	ND (0.017)	ND (0.00036)	ND (0.0003)	ND (0.00031)	ND (0.0003)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0305	DP0306	DP0306	DP0306	DP0307	DP0307	DP0307	DP0308	DP0308	DP0308	DP0309	DP0309
Sample Date	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	12 (ft)	1 (ft)	4 (ft)	10 (ft)	3 (ft)	9 (ft)	14 (ft)	1 (ft)	5 (ft)	12 (ft)	1 (ft)	3 (ft)
Sample Name	DP-0305-SS-012-01	DP-0306-SS-001-01	DP-0306-SS-004-01	DP-0306-SS-010-01	DP-0307-SS-003-01	DP-0307-SS-009-01	DP-0307-SS-014-01	DP-0308-SS-001-01	DP-0308-SS-005-01	DP-0308-SS-012-01	DP-0309-SS-001-01	DP-0309-SS-003-01
1,1-Dichloroethane	ND (0.00018)	ND (0.00018)	ND (0.00018)	ND (0.00017)	ND (0.00017)	ND (0.00015)	ND (0.00016)	ND (0.01)	ND (0.00021)	ND (0.00018)	ND (0.00019)	ND (0.00018)
1,1-Dichloroethene	ND (0.0003)	ND (0.00029)	ND (0.0003)	ND (0.00028)	ND (0.00028)	ND (0.00025)	ND (0.00027)	ND (0.017)	ND (0.00035)	ND (0.00029)	ND (0.0003)	ND (0.0003)
1,2,3-Trichloropropane	ND (0.00072)	ND (0.00069)	ND (0.00072)	ND (0.00066)	ND (0.00068)	ND (0.0006)	ND (0.00065)	ND (0.041)	ND (0.00084)	ND (0.00069)	ND (0.00073)	ND (0.00071)
1,2,4-Trimethylbenzene	ND (0.00051)	ND (0.00049)	ND (0.00051)	ND (0.00047)	ND (0.00048)	ND (0.00042)	ND (0.00046)	ND (0.029)	ND (0.00059)	ND (0.00049)	ND (0.00051)	ND (0.0005)
1,2-Dichloroethane	ND (0.00027)	ND (0.00026)	ND (0.00027)	ND (0.00025)	ND (0.00026)	ND (0.00023)	ND (0.00024)	ND (0.015)	ND (0.00032)	ND (0.00026)	ND (0.00027)	ND (0.00027)
1,3,5-Trimethylbenzene	ND (0.00048)	ND (0.00046)	ND (0.00047)	ND (0.00044)	ND (0.00045)	ND (0.0004)	ND (0.00043)	ND (0.027)	ND (0.00055)	ND (0.00046)	ND (0.00048)	ND (0.00047)
2-Butanone (Methyl Ethyl Ketone)	ND (0.0033)	ND (0.0031)	ND (0.0033)	ND (0.003)	ND (0.0031)	ND (0.0027)	ND (0.0029)	ND (0.18)	ND (0.0038)	ND (0.0031)	ND (0.0033)	ND (0.0032)
2-Phenylbutane (sec-Butylbenzene)	ND (0.0005)	ND (0.00048)	ND (0.0005)	ND (0.00046)	ND (0.00048)	ND (0.00042)	ND (0.00045)	ND (0.028)	ND (0.00058)	ND (0.00048)	ND (0.00051)	ND (0.00049)
Acetone	ND (0.0054)	ND (0.0052)	ND (0.0054)	ND (0.005)	ND (0.0051)	ND (0.0045)	ND (0.0049)	ND (0.31)	ND (0.0063)	ND (0.0052)	ND (0.0055)	ND (0.0053)
Benzene	ND (0.00011)	ND (0.00011)	ND (0.00011)	**0.0011**	ND (0.00011)	ND (0.000094)	ND (0.0001)	ND (0.0063)	**0.0014**	ND (0.00011)	ND (0.00011)	ND (0.00011)
Carbon disulfide	ND (0.00027)	ND (0.00025)	ND (0.00026)	ND (0.00024)	ND (0.00025)	ND (0.00022)	ND (0.00024)	ND (0.015)	ND (0.00031)	ND (0.00026)	ND (0.00027)	ND (0.00026)
cis-1,2-Dichloroethene	ND (0.00024)	ND (0.00023)	ND (0.00024)	ND (0.00022)	ND (0.00023)	ND (0.0002)	ND (0.00022)	ND (0.014)	ND (0.00028)	ND (0.00023)	ND (0.00024)	ND (0.00024)
Cymene (p-Isopropyltoluene)	ND (0.00055)	ND (0.00052)	ND (0.00054)	ND (0.0005)	ND (0.00052)	ND (0.00046)	ND (0.00049)	ND (0.031)	ND (0.00064)	ND (0.00053)	ND (0.00055)	ND (0.00054)
Dichlorodifluoromethane (CFC-12)	ND (0.00038)	ND (0.00037)	ND (0.00038)	ND (0.00035)	ND (0.00036)	ND (0.00032)	ND (0.00035)	ND (0.022)	ND (0.00045)	ND (0.00037)	ND (0.00039)	ND (0.00038)
Ethylbenzene	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.0074)	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00013)
Isopropylbenzene	ND (0.00047)	ND (0.00045)	ND (0.00047)	ND (0.00044)	ND (0.00045)	ND (0.0004)	ND (0.00043)	ND (0.027)	ND (0.00055)	ND (0.00046)	ND (0.00048)	ND (0.00047)
m,p-Xylenes	ND (0.00023)	ND (0.00022)	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00019)	ND (0.00021)	ND (0.013)	ND (0.00027)	ND (0.00022)	ND (0.00023)	ND (0.00023)
Methylene chloride	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.00097)	ND (0.001)	ND (0.065)	ND (0.0014)	ND (0.0011)	ND (0.0012)	ND (0.0011)
n-Propylbenzene	ND (0.00044)	ND (0.00042)	ND (0.00043)	ND (0.0004)	ND (0.00041)	ND (0.00036)	ND (0.00039)	ND (0.025)	ND (0.00051)	ND (0.00042)	ND (0.00044)	ND (0.00043)
o-Xylene	ND (0.00048)	ND (0.00046)	ND (0.00048)	ND (0.00044)	ND (0.00046)	ND (0.0004)	ND (0.00043)	ND (0.027)	ND (0.00056)	ND (0.00046)	ND (0.00049)	ND (0.00048)
Styrene	ND (0.00052)	ND (0.0005)	ND (0.00052)	ND (0.00048)	ND (0.0005)	ND (0.00044)	ND (0.00047)	ND (0.03)	ND (0.00061)	ND (0.0005)	ND (0.00053)	ND (0.00052)
Tetrachloroethene	ND (0.00018)	ND (0.00017)	**0.0051**	ND (0.00017)	**0.0021**	ND (0.00015)	ND (0.00016)	**0.17**	**0.0039**	ND (0.00018)	ND (0.00018)	**0.0022**
Toluene	ND (0.00045)	ND (0.00043)	ND (0.00045)	**0.00085**	ND (0.00042)	ND (0.00037)	ND (0.0004)	ND (0.025)	ND (0.00052)	ND (0.00043)	ND (0.00045)	ND (0.00044)
trans-1,2-Dichloroethene	ND (0.00044)	ND (0.00042)	ND (0.00044)	ND (0.0004)	ND (0.00042)	ND (0.00037)	ND (0.00039)	ND (0.025)	ND (0.00051)	ND (0.00042)	ND (0.00044)	ND (0.00043)
Trichloroethene	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00024)	ND (0.00025)	ND (0.00022)	ND (0.00023)	ND (0.015)	ND (0.0003)	ND (0.00025)	ND (0.00026)	ND (0.00026)
Trifluorotrichloroethane (Freon 113)	ND (0.00031)	ND (0.00029)	ND (0.0003)	ND (0.00028)	ND (0.00029)	ND (0.00025)	ND (0.00027)	ND (0.017)	ND (0.00036)	ND (0.00029)	ND (0.00031)	ND (0.0003)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0309	DP0310	DP0310	DP0310	DP0311	DP0311	DP0311	DP0312	DP0312	DP0312	DP0313	DP0313
Sample Date	05/08/2014	05/07/2014	05/07/2014	05/07/2014	05/09/2014	05/09/2014	05/09/2014	05/07/2014	05/07/2014	05/07/2014	05/09/2014	05/09/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	7 (ft)	1 (ft)	3 (ft)	11 (ft)	1 (ft)	4 (ft)	9 (ft)	1 (ft)	5 (ft)	14 (ft)	3 (ft)	5 (ft)
Sample Name	DP-0309-SS-007-01	DP-0310-SS-001-01	DP-0310-SS-003-01	DP-0310-SS-011-01	DP-0311-SS-001-01	DP-0311-SS-004-01	DP-0311-SS-009-01	DP-0312-SS-001-01	DP-0312-SS-005-01	DP-0312-SS-014-01	DP-0313-SS-003-01	DP-0313-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	ND (0.149)	ND (0.151)	ND (0.149)	ND (0.15)	ND (0.145)	ND (0.148)	ND (0.152)	ND (0.152)	ND (0.151)	ND (0.143)	ND (0.143)	ND (0.147)
Arsenic	**3.83**	**4.12**	**7.94**	**2.84**	**2.53**	**4.03**	**3.51**	**2.69**	**3.48**	**3.35**	**3.51**	**2.93**
Barium	**188**	**102**	**162**	**181**	**113**	**144**	**164**	**106**	**163**	**132**	**165**	**105**
Beryllium	**0.526**	**0.517**	**0.53**	**0.394**	**0.332**	**0.502**	**0.454**	**0.406**	**0.422**	**0.422**	**0.442**	**0.381**
Cadmium	**1.26**	ND (0.137)	**1.36**	**1.06**	ND (0.131)	**1.51**	**1.42**	ND (0.138)	**1.13**	**1.25**	**0.988**	**1.1**
Chromium	**19.7**	**18.5**	**20.4**	**15.7**	**12.1**	**21.8**	**18.7**	**15.3**	**16.9**	**17.1**	**16.7**	**15.8**
Chromium VI (Hexavalent)	-	ND (0.029)	-	-	-	-	-	-	-	-	ND (0.029)	-
Cobalt	**7.5**	**7.33**	**8.15**	**6.28**	**9.82**	**7.88**	**6.97**	**7.3**	**7.15**	**6.12**	**7.31**	**6.82**
Copper	**18.1**	**11.5**	**21.8**	**15.3**	**8.86**	**20.3**	**16.6**	**12.5**	**23**	**15.9**	**17.1**	**14.3**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**3.57**	**4.18**	**16.9**	**2.97**	**2.84**	**3.74**	**3.43**	**3.19**	**3.37**	**3.17**	**4.28**	**3.27**
Mercury	ND (0.00559)	ND (0.00568)	ND (0.00587)	ND (0.00597)	ND (0.00597)	ND (0.00578)	ND (0.00568)	ND (0.00618)	ND (0.00587)	ND (0.00568)	ND (0.00568)	ND (0.00587)
Molybdenum	**2.98**	**1.38**	**1.87**	**2.11**	**1.3**	**2.07**	**2.17**	**1.5**	**3.23**	**2.38**	**1.37**	**2.07**
Nickel	**26.7**	**18.3**	**26.7**	**21**	**16.1**	**29.8**	**23.7**	**16**	**22.9**	**22.2**	**21.3**	**22.6**
Selenium	ND (0.3)	ND (0.304)	ND (0.3)	ND (0.301)	ND (0.291)	ND (0.298)	ND (0.306)	ND (0.306)	ND (0.304)	ND (0.287)	ND (0.287)	ND (0.297)
Vanadium	**38**	**32.7**	**36.7**	**28**	**23.2**	**38.7**	**34.4**	**26.6**	**31.9**	**30.6**	**28.3**	**30.2**
Zinc	**47.8**	**48.6**	**48.8**	**39.2**	**40.3**	**51**	**44**	**44.1**	**41.9**	**40.5**	**41.8**	**38.5**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Aroclor-1254 (PCB-1254)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor-1260 (PCB-1260)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.015)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.16)
bis(2-Ethylhexyl)phthalate	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.0096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.097)	ND (0.097)
Butyl benzylphthalate	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.01)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Diethyl phthalate	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.016)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.00022)	ND (0.0002)	ND (0.00018)	ND (0.00019)	ND (0.00021)	ND (0.00019)	ND (0.00016)	ND (0.0002)	ND (0.00017)	ND (0.00021)	ND (0.00021)	ND (0.00018)
1,1,2-Trichloroethane	ND (0.00034)	ND (0.00032)	ND (0.00028)	ND (0.00029)	ND (0.00033)	ND (0.0003)	ND (0.00025)	ND (0.00031)	ND (0.00027)	ND (0.00032)	ND (0.00033)	ND (0.00028)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0309	DP0310	DP0310	DP0310	DP0311	DP0311	DP0311	DP0312	DP0312	DP0312	DP0313	DP0313
Sample Date	05/08/2014	05/07/2014	05/07/2014	05/07/2014	05/09/2014	05/09/2014	05/09/2014	05/07/2014	05/07/2014	05/07/2014	05/09/2014	05/09/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	7 (ft)	1 (ft)	3 (ft)	11 (ft)	1 (ft)	4 (ft)	9 (ft)	1 (ft)	5 (ft)	14 (ft)	3 (ft)	5 (ft)
Sample Name	DP-0309-SS-007-01	DP-0310-SS-001-01	DP-0310-SS-003-01	DP-0310-SS-011-01	DP-0311-SS-001-01	DP-0311-SS-004-01	DP-0311-SS-009-01	DP-0312-SS-001-01	DP-0312-SS-005-01	DP-0312-SS-014-01	DP-0313-SS-003-01	DP-0313-SS-005-01
1,1-Dichloroethane	ND (0.0002)	ND (0.00019)	ND (0.00016)	ND (0.00017)	ND (0.0002)	ND (0.00018)	ND (0.00015)	ND (0.00018)	ND (0.00016)	ND (0.00019)	ND (0.0002)	ND (0.00017)
1,1-Dichloroethene	ND (0.00033)	ND (0.00031)	ND (0.00027)	ND (0.00029)	ND (0.00032)	ND (0.00029)	ND (0.00025)	ND (0.0003)	ND (0.00026)	ND (0.00032)	ND (0.00032)	ND (0.00028)
1,2,3-Trichloropropane	ND (0.0008)	ND (0.00074)	ND (0.00065)	ND (0.00069)	ND (0.00077)	ND (0.00071)	ND (0.00059)	ND (0.00073)	ND (0.00063)	ND (0.00076)	ND (0.00077)	ND (0.00067)
1,2,4-Trimethylbenzene	ND (0.00057)	ND (0.00052)	ND (0.00046)	ND (0.00048)	ND (0.00054)	ND (0.0005)	ND (0.00042)	ND (0.00051)	ND (0.00045)	ND (0.00053)	ND (0.00054)	ND (0.00047)
1,2-Dichloroethane	ND (0.0003)	ND (0.00028)	ND (0.00024)	ND (0.00026)	ND (0.00029)	ND (0.00027)	ND (0.00022)	ND (0.00027)	ND (0.00024)	ND (0.00029)	ND (0.00029)	ND (0.00025)
1,3,5-Trimethylbenzene	ND (0.00053)	ND (0.00049)	ND (0.00043)	ND (0.00045)	ND (0.00051)	ND (0.00047)	ND (0.00039)	ND (0.00048)	ND (0.00042)	ND (0.0005)	ND (0.00051)	ND (0.00044)
2-Butanone (Methyl Ethyl Ketone)	ND (0.0036)	**0.021**	ND (0.0029)	ND (0.0031)	ND (0.0035)	ND (0.0032)	ND (0.0027)	**0.028**	ND (0.0029)	ND (0.0034)	ND (0.0035)	ND (0.003)
2-Phenylbutane (sec-Butylbenzene)	ND (0.00056)	ND (0.00051)	ND (0.00045)	ND (0.00048)	ND (0.00053)	ND (0.00049)	ND (0.00041)	ND (0.00051)	ND (0.00044)	ND (0.00053)	ND (0.00054)	ND (0.00046)
Acetone	ND (0.006)	**0.096**	ND (0.0049)	ND (0.0052)	ND (0.0058)	ND (0.0053)	ND (0.0045)	**0.097**	ND (0.0048)	ND (0.0057)	ND (0.0058)	ND (0.005)
Benzene	**0.0011**	ND (0.00012)	ND (0.0001)	ND (0.00011)	ND (0.00012)	ND (0.00011)	ND (0.000093)	ND (0.00011)	ND (0.000099)	ND (0.00012)	ND (0.00012)	ND (0.0001)
Carbon disulfide	ND (0.0003)	ND (0.00027)	ND (0.00024)	ND (0.00025)	ND (0.00028)	ND (0.00026)	ND (0.00022)	ND (0.00027)	ND (0.00023)	ND (0.00028)	ND (0.00028)	ND (0.00025)
cis-1,2-Dichloroethene	ND (0.00027)	ND (0.00025)	ND (0.00022)	ND (0.00023)	ND (0.00026)	ND (0.00024)	ND (0.0002)	ND (0.00024)	ND (0.00021)	ND (0.00025)	ND (0.00026)	ND (0.00022)
Cymene (p-Isopropyltoluene)	ND (0.00061)	ND (0.00056)	ND (0.00049)	ND (0.00052)	ND (0.00058)	ND (0.00054)	ND (0.00045)	ND (0.00055)	ND (0.00048)	ND (0.00057)	ND (0.00059)	ND (0.00051)
Dichlorodifluoromethane (CFC-12)	ND (0.00043)	ND (0.0004)	ND (0.00035)	ND (0.00037)	ND (0.00041)	ND (0.00038)	ND (0.00032)	ND (0.00039)	ND (0.00034)	ND (0.0004)	ND (0.00041)	ND (0.00036)
Ethylbenzene	ND (0.00015)	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)	ND (0.00011)	ND (0.00013)	ND (0.00012)	ND (0.00014)	ND (0.00014)	ND (0.00012)
Isopropylbenzene	ND (0.00053)	ND (0.00049)	ND (0.00043)	ND (0.00045)	ND (0.0005)	ND (0.00046)	ND (0.00039)	ND (0.00048)	ND (0.00042)	ND (0.0005)	ND (0.00051)	ND (0.00044)
m,p-Xylenes	ND (0.00026)	ND (0.00024)	ND (0.00021)	ND (0.00022)	ND (0.00025)	ND (0.00023)	ND (0.00019)	ND (0.00023)	ND (0.0002)	ND (0.00024)	ND (0.00025)	ND (0.00022)
Methylene chloride	ND (0.0013)	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.00096)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0012)	ND (0.0011)
n-Propylbenzene	ND (0.00049)	ND (0.00045)	ND (0.00039)	ND (0.00041)	ND (0.00046)	ND (0.00043)	ND (0.00036)	ND (0.00044)	ND (0.00038)	ND (0.00046)	ND (0.00047)	ND (0.0004)
o-Xylene	ND (0.00054)	ND (0.0005)	ND (0.00043)	ND (0.00046)	ND (0.00051)	ND (0.00047)	ND (0.0004)	ND (0.00049)	ND (0.00042)	ND (0.00051)	ND (0.00052)	ND (0.00045)
Styrene	ND (0.00058)	ND (0.00054)	ND (0.00047)	ND (0.0005)	ND (0.00056)	ND (0.00051)	ND (0.00043)	ND (0.00053)	ND (0.00046)	ND (0.00055)	ND (0.00056)	ND (0.00049)
Tetrachloroethene	ND (0.0002)	ND (0.00019)	**0.0013**	ND (0.00017)	ND (0.00019)	**0.0013**	ND (0.00015)	**0.0012**	**0.018**	ND (0.00019)	**0.0026**	ND (0.00017)
Toluene	ND (0.0005)	ND (0.00046)	ND (0.0004)	ND (0.00043)	ND (0.00048)	ND (0.00044)	ND (0.00037)	ND (0.00045)	ND (0.00039)	ND (0.00047)	ND (0.00048)	ND (0.00041)
trans-1,2-Dichloroethene	ND (0.00049)	ND (0.00045)	ND (0.00039)	ND (0.00042)	ND (0.00047)	ND (0.00043)	ND (0.00036)	ND (0.00044)	ND (0.00039)	ND (0.00046)	ND (0.00047)	ND (0.00041)
Trichloroethene	ND (0.00029)	ND (0.00027)	ND (0.00023)	ND (0.00025)	ND (0.00028)	ND (0.00026)	ND (0.00022)	ND (0.00026)	ND (0.00023)	ND (0.00027)	ND (0.00028)	ND (0.00024)
Trifluorotrichloroethane (Freon 113)	ND (0.00034)	ND (0.00031)	ND (0.00027)	ND (0.00029)	ND (0.00033)	ND (0.0003)	ND (0.00025)	ND (0.00031)	ND (0.00027)	ND (0.00032)	ND (0.00033)	ND (0.00028)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0313	DP0314	DP0314	DP0314	DP0315	DP0315	DP0315	DP0316	DP0316	DP0316	DP0317	DP0317
Sample Date	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/07/2014	05/07/2014	05/07/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	13 (ft)	3 (ft)	5 (ft)	13 (ft)	1 (ft)	3 (ft)	8 (ft)	1 (ft)	3 (ft)	14 (ft)	1 (ft)	4 (ft)
Sample Name	DP-0313-SS-013-01	DP-0314-SS-003-01	DP-0314-SS-005-01	DP-0314-SS-013-01	DP-0315-SS-001-01	DP-0315-SS-003-01	DP-0315-SS-008-01	DP-0316-SS-001-01	DP-0316-SS-003-01	DP-0316-SS-014-01	DP-0317-SS-001-01	DP-0317-SS-004-01
Inorganic Compounds (mg/kg)												
Antimony	ND (0.153)	ND (0.151)	ND (0.144)	ND (0.145)	ND (0.151)	ND (0.15)	ND (0.147)	ND (0.149)	ND (0.147)	ND (0.15)	ND (0.15)	ND (0.154)
Arsenic	**3.72**	**4.46**	**3.93**	**3.64**	**2.99**	**3.46**	**3.33**	**4.21**	**3.3**	**3.79**	**3.09**	**4**
Barium	**159**	**159**	**366**	**168**	**69.5**	**103**	**204**	**76.8**	**152**	**125**	**96.1**	**195**
Beryllium	**0.524**	**0.651**	**0.624**	**0.492**	**0.465**	**0.659**	**0.434**	**0.501**	**0.665**	**0.429**	**0.426**	**0.702**
Cadmium	**1.27**	**1.44**	**1.6**	**1.44**	ND (0.137)	**1.2**	**1.31**	ND (0.135)	**1.35**	**1.35**	ND (0.137)	**1.57**
Chromium	**24**	**30.7**	**29.4**	**23**	**16.8**	**25.1**	**15.6**	**17.4**	**27.3**	**16.4**	**14.7**	**29**
Chromium VI (Hexavalent)	-	ND (0.029)	-	-	-	-	-	-	-	-	ND (0.029)	-
Cobalt	**7.52**	**9.13**	**8.6**	**7.16**	**7.09**	**7.6**	**6.5**	**8.85**	**8.14**	**6.14**	**7.03**	**9.06**
Copper	**21.8**	**25.2**	**25.4**	**20**	**7.65**	**24.7**	**15.2**	**8.83**	**25.5**	**15.6**	**9.7**	**28.9**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**3.85**	**4.63**	**4.31**	**3.8**	**3.76**	**4.61**	**3.19**	**3.66**	**5.06**	**3.19**	**3.18**	**4.91**
Mercury	ND (0.00607)	ND (0.00629)	ND (0.00597)	ND (0.00587)	ND (0.00607)	ND (0.00597)	ND (0.00559)	ND (0.00587)	ND (0.00607)	ND (0.00607)	ND (0.00578)	ND (0.00587)
Molybdenum	**2.28**	**2.2**	**2.95**	**2.37**	**0.466**	**1.52**	**2.18**	**0.714**	**1.62**	**2.24**	**0.846**	**2.55**
Nickel	**29.4**	**32.8**	**31.8**	**27.8**	**14.3**	**27.5**	**21.6**	**15.4**	**30.2**	**20.7**	**13.6**	**35**
Selenium	ND (0.307)	ND (0.304)	ND (0.289)	ND (0.292)	ND (0.304)	ND (0.301)	ND (0.295)	ND (0.3)	ND (0.297)	ND (0.303)	ND (0.303)	ND (0.31)
Vanadium	**40.4**	**56.9**	**52.2**	**38.1**	**29.6**	**43.7**	**30.4**	**31.2**	**48.5**	**30.5**	**28.5**	**51.2**
Zinc	**53.8**	**64.3**	**63.8**	**51.8**	**45.4**	**54.9**	**41.3**	**45.2**	**57.5**	**41.6**	**43**	**67.2**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	**0.12**	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Aroclor-1254 (PCB-1254)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor-1260 (PCB-1260)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (1.5)	ND (0.16)	ND (0.15)	ND (1.6)	ND (0.15)
bis(2-Ethylhexyl)phthalate	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.96)	ND (0.097)	ND (0.096)	ND (0.97)	ND (0.096)
Butyl benzylphthalate	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (1)	ND (0.1)	ND (0.1)	ND (1)	ND (0.1)
Diethyl phthalate	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (1.6)	ND (0.16)	ND (0.16)	ND (1.6)	ND (0.16)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.00019)	ND (0.00016)	ND (0.00017)	ND (0.00019)	ND (0.00018)	ND (0.00019)	ND (0.00019)	ND (0.0097)	ND (0.0002)	ND (0.00018)	ND (0.0092)	ND (0.00024)
1,1,2-Trichloroethane	ND (0.00029)	ND (0.00025)	ND (0.00027)	ND (0.00029)	ND (0.00028)	ND (0.00029)	ND (0.00029)	ND (0.015)	ND (0.00031)	ND (0.00029)	ND (0.014)	ND (0.00038)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0313	DP0314	DP0314	DP0314	DP0315	DP0315	DP0315	DP0316	DP0316	DP0316	DP0317	DP0317
Sample Date	05/09/2014	05/09/2014	05/09/2014	05/09/2014	05/07/2014	05/07/2014	05/07/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/08/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	13 (ft)	3 (ft)	5 (ft)	13 (ft)	1 (ft)	3 (ft)	8 (ft)	1 (ft)	3 (ft)	14 (ft)	1 (ft)	4 (ft)
Sample Name	DP-0313-SS-013-01	DP-0314-SS-003-01	DP-0314-SS-005-01	DP-0314-SS-013-01	DP-0315-SS-001-01	DP-0315-SS-003-01	DP-0315-SS-008-01	DP-0316-SS-001-01	DP-0316-SS-003-01	DP-0316-SS-014-01	DP-0317-SS-001-01	DP-0317-SS-004-01
1,1-Dichloroethane	ND (0.00017)	ND (0.00015)	ND (0.00016)	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.0091)	ND (0.00019)	ND (0.00017)	ND (0.0086)	ND (0.00023)
1,1-Dichloroethene	ND (0.00029)	ND (0.00025)	ND (0.00027)	ND (0.00029)	ND (0.00028)	ND (0.00029)	ND (0.00029)	ND (0.015)	ND (0.00031)	ND (0.00028)	ND (0.014)	ND (0.00037)
1,2,3-Trichloropropane	ND (0.00068)	ND (0.00059)	ND (0.00064)	ND (0.00069)	ND (0.00067)	ND (0.00069)	ND (0.00069)	ND (0.036)	ND (0.00074)	ND (0.00068)	ND (0.034)	ND (0.00089)
1,2,4-Trimethylbenzene	ND (0.00048)	ND (0.00042)	ND (0.00045)	ND (0.00048)	ND (0.00047)	ND (0.00048)	ND (0.00048)	ND (0.025)	ND (0.00052)	ND (0.00048)	ND (0.024)	ND (0.00063)
1,2-Dichloroethane	ND (0.00026)	ND (0.00022)	ND (0.00024)	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00026)	ND (0.014)	ND (0.00028)	ND (0.00026)	ND (0.013)	ND (0.00034)
1,3,5-Trimethylbenzene	ND (0.00045)	ND (0.00039)	ND (0.00042)	ND (0.00045)	ND (0.00044)	ND (0.00045)	ND (0.00045)	ND (0.024)	ND (0.00049)	ND (0.00045)	ND (0.022)	ND (0.00059)
2-Butanone (Methyl Ethyl Ketone)	ND (0.0031)	ND (0.0027)	ND (0.0029)	ND (0.0031)	ND (0.003)	ND (0.0031)	ND (0.0031)	ND (0.16)	ND (0.0033)	ND (0.0031)	ND (0.15)	ND (0.004)
2-Phenylbutane (sec-Butylbenzene)	ND (0.00048)	ND (0.00041)	ND (0.00044)	ND (0.00048)	ND (0.00046)	ND (0.00048)	ND (0.00048)	ND (0.025)	ND (0.00051)	ND (0.00047)	ND (0.024)	ND (0.00062)
Acetone	ND (0.0051)	ND (0.0045)	ND (0.0048)	ND (0.0051)	ND (0.005)	ND (0.0051)	ND (0.0051)	ND (0.27)	ND (0.0055)	ND (0.0051)	ND (0.26)	ND (0.0067)
Benzene	ND (0.00011)	ND (0.000093)	ND (0.0001)	ND (0.00011)	ND (0.0001)	ND (0.00011)	ND (0.00011)	ND (0.0056)	ND (0.00012)	**0.0042**	ND (0.0053)	ND (0.00014)
Carbon disulfide	ND (0.00025)	ND (0.00022)	ND (0.00023)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.013)	ND (0.00027)	ND (0.00025)	ND (0.013)	ND (0.00033)
cis-1,2-Dichloroethene	ND (0.00023)	ND (0.0002)	ND (0.00021)	ND (0.00023)	ND (0.00022)	ND (0.00023)	ND (0.00023)	ND (0.012)	ND (0.00025)	ND (0.00023)	ND (0.011)	ND (0.0003)
Cymene (p-Isopropyltoluene)	ND (0.00052)	ND (0.00045)	ND (0.00048)	ND (0.00052)	ND (0.00051)	ND (0.00052)	ND (0.00052)	ND (0.027)	ND (0.00056)	ND (0.00052)	ND (0.026)	ND (0.00068)
Dichlorodifluoromethane (CFC-12)	ND (0.00037)	ND (0.00032)	ND (0.00034)	ND (0.00037)	ND (0.00036)	ND (0.00037)	ND (0.00037)	ND (0.019)	ND (0.00039)	ND (0.00036)	ND (0.018)	ND (0.00048)
Ethylbenzene	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00013)	ND (0.0065)	ND (0.00013)	ND (0.00012)	ND (0.0062)	ND (0.00016)
Isopropylbenzene	ND (0.00045)	ND (0.00039)	ND (0.00042)	ND (0.00045)	ND (0.00044)	ND (0.00045)	ND (0.00045)	ND (0.024)	ND (0.00049)	ND (0.00045)	ND (0.022)	ND (0.00059)
m,p-Xylenes	ND (0.00022)	ND (0.00019)	ND (0.00021)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.012)	ND (0.00024)	ND (0.00022)	ND (0.011)	ND (0.00029)
Methylene chloride	ND (0.0011)	ND (0.00095)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.058)	ND (0.0012)	ND (0.0011)	ND (0.055)	ND (0.0014)
n-Propylbenzene	ND (0.00041)	ND (0.00036)	ND (0.00039)	ND (0.00041)	ND (0.0004)	ND (0.00041)	ND (0.00041)	ND (0.022)	ND (0.00045)	ND (0.00041)	ND (0.021)	ND (0.00054)
o-Xylene	ND (0.00046)	ND (0.0004)	ND (0.00043)	ND (0.00046)	ND (0.00045)	ND (0.00046)	ND (0.00046)	ND (0.024)	ND (0.00049)	ND (0.00046)	ND (0.023)	ND (0.0006)
Styrene	ND (0.0005)	ND (0.00043)	ND (0.00046)	ND (0.0005)	ND (0.00049)	ND (0.0005)	ND (0.0005)	ND (0.026)	ND (0.00054)	ND (0.0005)	ND (0.025)	ND (0.00065)
Tetrachloroethene	ND (0.00017)	**0.002**	ND (0.00016)	ND (0.00017)	ND (0.00017)	**0.0054**	ND (0.00017)	**0.11**	**0.0027**	ND (0.00017)	ND (0.0086)	**0.0015**
Toluene	ND (0.00042)	ND (0.00037)	ND (0.0004)	ND (0.00043)	ND (0.00041)	ND (0.00043)	ND (0.00043)	ND (0.022)	ND (0.00046)	**0.0036**	ND (0.021)	ND (0.00055)
trans-1,2-Dichloroethene	ND (0.00042)	ND (0.00036)	ND (0.00039)	ND (0.00042)	ND (0.00041)	ND (0.00042)	ND (0.00042)	ND (0.022)	ND (0.00045)	ND (0.00041)	ND (0.021)	ND (0.00054)
Trichloroethene	ND (0.00025)	ND (0.00021)	ND (0.00023)	ND (0.00025)	ND (0.00024)	ND (0.00025)	ND (0.00025)	ND (0.013)	ND (0.00027)	ND (0.00025)	ND (0.012)	ND (0.00032)
Trifluorotrichloroethane (Freon 113)	ND (0.00029)	ND (0.00025)	ND (0.00027)	ND (0.00029)	ND (0.00028)	ND (0.00029)	ND (0.00029)	ND (0.015)	ND (0.00031)	ND (0.00029)	ND (0.014)	ND (0.00038)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0317	DP0319	DP0319	DP0319	DP0320	DP0320	DP0320	DP0321	DP0321	DP0321	DP0322	DP0322
Sample Date	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/07/2014	05/07/2014	05/07/2014	05/14/2014	05/14/2014	05/14/2014	05/07/2014	05/07/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	2 (ft)	5 (ft)	10 (ft)	2 (ft)	8 (ft)	12 (ft)	1 (ft)	8 (ft)	13 (ft)	3 (ft)	7 (ft)
Sample Name	DP-0317-SS-010-01	DP-0319-SS-002-01	DP-0319-SS-005-01	DP-0319-SS-010-01	DP-0320-SS-002-01	DP-0320-SS-008-01	DP-0320-SS-012-01	DP-0321-SS-001-01	DP-0321-SS-008-01	DP-0321-SS-013-01	DP-0322-SS-003-01	DP-0322-SS-007-01
Inorganic Compounds (mg/kg)												
Antimony	ND (0.151)	ND (0.147)	ND (0.143)	ND (0.145)	ND (0.143)	ND (0.145)	ND (0.15)	ND (0.149)	ND (0.145)	ND (0.15)	ND (0.15)	ND (0.147)
Arsenic	**3.08**	**5.08**	**3.92**	**2.81**	**5.29**	**2.83**	**4.16**	**2.88**	**2.26**	**3.08**	**6.03**	**3.01**
Barium	**253**	**152**	**158**	**161**	**89.4**	**78.5**	**159**	**153**	**114**	**186**	**109**	**108**
Beryllium	**0.476**	**0.583**	**0.524**	**0.438**	**0.418**	ND (0.134)	**0.577**	**0.318**	**0.293**	**0.529**	**0.332**	**0.271**
Cadmium	**1.2**	**1.38**	**1.32**	**0.947**	**0.695**	**0.899**	**1.19**	**0.777**	**0.898**	**1.14**	**1.31**	**1.08**
Chromium	**19.6**	**23.1**	**21.9**	**16.3**	**11.6**	**8.69**	**23.3**	**13.2**	**12.2**	**24.8**	**14.2**	**10.4**
Chromium VI (Hexavalent)	-	ND (0.029)	-	-	-	-	-	ND (0.029)	-	-	-	-
Cobalt	**6.72**	**9.03**	**7.84**	**6.93**	**10**	**5.74**	**8.42**	**7.1**	**6**	**7.56**	**6.35**	**5.4**
Copper	**19.3**	**23.9**	**21.2**	**15.8**	**19.6**	**8.18**	**25.2**	**16.2**	**10.5**	**21.6**	**15.4**	**9.81**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**2.94**	**6.98**	**3.82**	**2.47**	**2.94**	**2.01**	**3.59**	**2.81**	**2.33**	**2.96**	**10.8**	**2.24**
Mercury	ND (0.00607)	ND (0.00559)	ND (0.00578)	ND (0.00587)	ND (0.00597)	ND (0.00597)	ND (0.00607)	**0.0837**	ND (0.00618)	ND (0.00597)	ND (0.00559)	ND (0.00597)
Molybdenum	**1.96**	**2.21**	**2.08**	**1.61**	**4.29**	**1.53**	**1.95**	**3.12**	**1.64**	**1.94**	**1.83**	**1.92**
Nickel	**24.9**	**30.3**	**28**	**22.9**	**23.1**	**14.5**	**31.6**	**19.9**	**18.4**	**29**	**16.8**	**18.6**
Selenium	ND (0.304)	ND (0.297)	ND (0.288)	ND (0.292)	ND (0.287)	ND (0.292)	ND (0.303)	ND (0.3)	ND (0.292)	ND (0.303)	ND (0.301)	ND (0.295)
Vanadium	**32.5**	**42.5**	**39.8**	**29.7**	**23.4**	**18.2**	**41**	**23.8**	**24.1**	**42.9**	**27.3**	**23.2**
Zinc	**47.1**	**54.5**	**52.9**	**40.5**	**50.4**	**24.4**	**61.9**	**47.5**	**32.8**	**55.4**	**39.1**	**28.5**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Aroclor-1254 (PCB-1254)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor-1260 (PCB-1260)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)
bis(2-Ethylhexyl)phthalate	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.097)
Butyl benzylphthalate	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Diethyl phthalate	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.00022)	ND (0.00019)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.0002)	ND (0.00018)	ND (0.00023)	ND (0.00019)	ND (0.0001)	**0.00085**	ND (0.00018)
1,1,2-Trichloroethane	ND (0.00034)	ND (0.00029)	ND (0.00031)	ND (0.00031)	ND (0.00031)	ND (0.00032)	ND (0.00029)	ND (0.00036)	ND (0.0003)	ND (0.00016)	ND (0.00028)	ND (0.00028)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0317	DP0319	DP0319	DP0319	DP0320	DP0320	DP0320	DP0321	DP0321	DP0321	DP0322	DP0322
Sample Date	05/08/2014	05/08/2014	05/08/2014	05/08/2014	05/07/2014	05/07/2014	05/07/2014	05/14/2014	05/14/2014	05/14/2014	05/07/2014	05/07/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10 (ft)	2 (ft)	5 (ft)	10 (ft)	2 (ft)	8 (ft)	12 (ft)	1 (ft)	8 (ft)	13 (ft)	3 (ft)	7 (ft)
Sample Name	DP-0317-SS-010-01	DP-0319-SS-002-01	DP-0319-SS-005-01	DP-0319-SS-010-01	DP-0320-SS-002-01	DP-0320-SS-008-01	DP-0320-SS-012-01	DP-0321-SS-001-01	DP-0321-SS-008-01	DP-0321-SS-013-01	DP-0322-SS-003-01	DP-0322-SS-007-01
1,1-Dichloroethane	ND (0.00021)	ND (0.00018)	ND (0.00019)	ND (0.00018)	ND (0.00019)	ND (0.00019)	ND (0.00017)	ND (0.00021)	ND (0.00018)	ND (0.000097)	ND (0.00017)	ND (0.00017)
1,1-Dichloroethene	ND (0.00034)	ND (0.00029)	ND (0.00031)	ND (0.0003)	ND (0.00031)	ND (0.00031)	ND (0.00028)	ND (0.00035)	ND (0.00029)	ND (0.00016)	ND (0.00027)	ND (0.00028)
1,2,3-Trichloropropane	ND (0.00081)	ND (0.00069)	ND (0.00074)	ND (0.00072)	ND (0.00073)	ND (0.00075)	ND (0.00067)	ND (0.00084)	ND (0.0007)	ND (0.00038)	ND (0.00065)	ND (0.00067)
1,2,4-Trimethylbenzene	ND (0.00057)	ND (0.00049)	ND (0.00052)	ND (0.00051)	ND (0.00052)	ND (0.00053)	ND (0.00048)	ND (0.00059)	ND (0.00049)	ND (0.00027)	ND (0.00046)	ND (0.00047)
1,2-Dichloroethane	ND (0.00031)	ND (0.00026)	ND (0.00028)	ND (0.00027)	ND (0.00028)	ND (0.00028)	ND (0.00025)	ND (0.00032)	ND (0.00026)	ND (0.00014)	ND (0.00025)	ND (0.00025)
1,3,5-Trimethylbenzene	ND (0.00053)	ND (0.00046)	ND (0.00049)	ND (0.00048)	ND (0.00048)	ND (0.0005)	ND (0.00045)	ND (0.00055)	ND (0.00046)	ND (0.00025)	ND (0.00043)	ND (0.00044)
2-Butanone (Methyl Ethyl Ketone)	ND (0.0037)	ND (0.0031)	ND (0.0034)	ND (0.0033)	ND (0.0033)	ND (0.0034)	ND (0.0031)	ND (0.0038)	ND (0.0032)	ND (0.0017)	ND (0.003)	ND (0.003)
2-Phenylbutane (sec-Butylbenzene)	ND (0.00056)	ND (0.00048)	ND (0.00051)	ND (0.0005)	ND (0.00051)	ND (0.00052)	ND (0.00047)	ND (0.00058)	ND (0.00049)	ND (0.00027)	ND (0.00045)	ND (0.00046)
Acetone	ND (0.0061)	ND (0.0052)	ND (0.0056)	ND (0.0054)	ND (0.0055)	ND (0.0057)	ND (0.0051)	ND (0.0063)	ND (0.0053)	ND (0.0029)	ND (0.0049)	ND (0.005)
Benzene	ND (0.00013)	ND (0.00011)	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00011)	ND (0.00013)	**0.0009**	**0.00089**	ND (0.0001)	ND (0.0001)
Carbon disulfide	ND (0.0003)	ND (0.00025)	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00028)	ND (0.00025)	ND (0.00031)	ND (0.00026)	ND (0.00014)	ND (0.00024)	ND (0.00024)
cis-1,2-Dichloroethene	ND (0.00027)	ND (0.00023)	ND (0.00025)	ND (0.00024)	ND (0.00025)	ND (0.00025)	ND (0.00023)	ND (0.00028)	ND (0.00024)	ND (0.00013)	ND (0.00022)	ND (0.00022)
Cymene (p-Isopropyltoluene)	ND (0.00061)	ND (0.00052)	ND (0.00056)	ND (0.00055)	ND (0.00056)	ND (0.00057)	ND (0.00051)	ND (0.00063)	ND (0.00053)	ND (0.00029)	ND (0.00049)	ND (0.0005)
Dichlorodifluoromethane (CFC-12)	ND (0.00043)	ND (0.00037)	ND (0.00039)	ND (0.00038)	ND (0.00039)	ND (0.0004)	ND (0.00036)	ND (0.00045)	ND (0.00037)	ND (0.0002)	ND (0.00035)	ND (0.00036)
Ethylbenzene	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00012)	ND (0.00015)	ND (0.00013)	ND (0.00007)	ND (0.00012)	ND (0.00012)
Isopropylbenzene	ND (0.00053)	ND (0.00045)	ND (0.00049)	ND (0.00047)	ND (0.00048)	ND (0.0005)	ND (0.00044)	ND (0.00055)	ND (0.00046)	ND (0.00025)	ND (0.00043)	ND (0.00044)
m,p-Xylenes	ND (0.00026)	ND (0.00022)	ND (0.00024)	ND (0.00023)	ND (0.00024)	ND (0.00024)	ND (0.00022)	ND (0.00027)	ND (0.00023)	ND (0.00012)	ND (0.00021)	ND (0.00021)
Methylene chloride	ND (0.0013)	ND (0.0011)	ND (0.0012)	ND (0.0012)	ND (0.0012)	ND (0.0012)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.00062)	ND (0.001)	ND (0.0011)
n-Propylbenzene	ND (0.00049)	ND (0.00042)	ND (0.00045)	ND (0.00044)	ND (0.00044)	ND (0.00046)	ND (0.00041)	ND (0.0005)	ND (0.00042)	ND (0.00023)	ND (0.00039)	ND (0.0004)
o-Xylene	ND (0.00054)	ND (0.00046)	ND (0.00049)	ND (0.00048)	ND (0.00049)	ND (0.0005)	ND (0.00045)	ND (0.00056)	ND (0.00047)	ND (0.00026)	ND (0.00044)	ND (0.00045)
Styrene	ND (0.00059)	ND (0.0005)	ND (0.00054)	ND (0.00052)	ND (0.00053)	ND (0.00055)	ND (0.00049)	ND (0.00061)	ND (0.00051)	ND (0.00028)	ND (0.00047)	ND (0.00048)
Tetrachloroethene	ND (0.0002)	**0.012**	**0.0028**	ND (0.00018)	ND (0.00019)	ND (0.00019)	**0.002**	**0.0011**	**0.0018**	**0.0016**	**0.0085**	ND (0.00017)
Toluene	ND (0.0005)	ND (0.00043)	ND (0.00046)	ND (0.00045)	ND (0.00045)	ND (0.00047)	ND (0.00042)	ND (0.00052)	ND (0.00043)	**0.00068**	ND (0.0004)	ND (0.00041)
trans-1,2-Dichloroethene	ND (0.00049)	ND (0.00042)	ND (0.00045)	ND (0.00044)	ND (0.00045)	ND (0.00046)	ND (0.00041)	ND (0.00051)	ND (0.00043)	ND (0.00023)	ND (0.0004)	ND (0.00041)
Trichloroethene	ND (0.00029)	ND (0.00025)	ND (0.00027)	ND (0.00026)	ND (0.00027)	ND (0.00027)	ND (0.00024)	ND (0.0003)	ND (0.00025)	ND (0.00014)	ND (0.00024)	ND (0.00024)
Trifluorotrichloroethane (Freon 113)	ND (0.00034)	ND (0.00029)	ND (0.00031)	ND (0.00031)	ND (0.00031)	ND (0.00032)	ND (0.00029)	ND (0.00035)	ND (0.0003)	ND (0.00016)	ND (0.00028)	ND (0.00028)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0322	DP0323	DP0323	DP0323	DP0324	DP0324	DP0324	DP0325	DP0325	DP0325	DP0326	DP0326
Sample Date	05/07/2014	05/07/2014	05/07/2014	05/07/2014	05/12/2014	05/12/2014	05/12/2014	05/06/2014	05/06/2014	05/06/2014	05/14/2014	05/14/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	14 (ft)	1 (ft)	5 (ft)	11 (ft)	2 (ft)	6 (ft)	12 (ft)	1 (ft)	4 (ft)	8 (ft)	2 (ft)	10 (ft)
Sample Name	DP-0322-SS-014-06	DP-0323-SS-001-01	DP-0323-SS-005-01	DP-0323-SS-011-01	DP-0324-SS-002-01	DP-0324-SS-006-01	DP-0324-SS-012-01	DP-0325-SS-001-01	DP-0325-SS-004-01	DP-0325-SS-008-01	DP-0326-SS-002-01	DP-0326-SS-010-01
Inorganic Compounds (mg/kg)												
Antimony	ND (0.154)	ND (0.149)	ND (0.147)	ND (0.147)	ND (0.142)	ND (0.148)	ND (0.151)	ND (0.144)	ND (0.149)	ND (0.145)	ND (0.152)	ND (0.15)
Arsenic	**4.37**	**2.7**	**3.11**	**3.67**	**3.3**	**2.75**	**3.37**	**2.05**	**2.58**	**3.74**	**5.89**	**3.03**
Barium	**170**	**127**	**108**	**233**	**110**	**102**	**166**	**99.5**	**89.6**	**133**	**131**	**184**
Beryllium	**0.587**	**0.352**	**0.3**	**0.567**	**0.326**	**0.273**	**0.532**	ND (0.132)	**0.309**	**0.294**	**0.384**	**0.508**
Cadmium	**1.16**	**1.1**	**0.931**	**1.53**	**0.942**	**0.786**	**1.07**	**0.707**	**0.98**	**0.842**	**1.14**	**1.12**
Chromium	**23.5**	**13.4**	**10.8**	**21.5**	**14.4**	**10.6**	**21.6**	**8.76**	**12.4**	**10.6**	**17.4**	**21.6**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	ND (0.029)	-	-	-	-
Cobalt	**7.83**	**6.16**	**6.24**	**7.65**	**6.41**	**5.32**	**7.12**	**4.8**	**6.06**	**5.09**	**6.9**	**7.26**
Copper	**26.4**	**13.5**	**10.6**	**25**	**16.1**	**9.15**	**23.5**	**10.4**	**11.9**	**10**	**18.9**	**18.9**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**4.1**	**4.2**	**2.57**	**3.45**	**6.03**	**2.29**	**3.25**	**1.39**	**2.5**	**2.26**	**13.2**	**3.01**
Mercury	ND (0.00597)	ND (0.00587)	ND (0.00578)	ND (0.00607)	ND (0.00587)	ND (0.00559)	ND (0.00618)	ND (0.00597)	ND (0.00597)	ND (0.00607)	ND (0.00578)	ND (0.00587)
Molybdenum	**2.02**	**1.73**	**1.47**	**1.57**	**2.42**	**1.86**	**1.69**	**3.03**	**1.6**	**1.96**	**1.72**	**1.98**
Nickel	**32.5**	**18.6**	**18.1**	**29.9**	**19.5**	**17.2**	**28.7**	**13.3**	**18.1**	**14.6**	**19.5**	**25.8**
Selenium	ND (0.309)	ND (0.3)	ND (0.297)	ND (0.297)	ND (0.285)	ND (0.298)	ND (0.304)	ND (0.289)	ND (0.3)	ND (0.292)	ND (0.306)	ND (0.303)
Vanadium	**38.8**	**25.5**	**23.4**	**36.2**	**29.4**	**24.2**	**36.5**	**18.2**	**24.9**	**23.2**	**33**	**39.7**
Zinc	**64.6**	**42.3**	**31.8**	**60.2**	**55.6**	**28.7**	**55.6**	**32.7**	**34.5**	**29.9**	**43**	**51.1**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	**1**
Aroclor-1254 (PCB-1254)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor-1260 (PCB-1260)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)
bis(2-Ethylhexyl)phthalate	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.096)	ND (0.096)
Butyl benzylphthalate	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Diethyl phthalate	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.00018)	ND (0.0002)	ND (0.00017)	ND (0.0002)	**0.001**	ND (0.00019)	ND (0.00018)	ND (0.00019)	ND (0.00019)	ND (0.00019)	ND (0.00019)	ND (0.00018)
1,1,2-Trichloroethane	ND (0.00028)	ND (0.00031)	ND (0.00027)	ND (0.00031)	ND (0.00028)	ND (0.0003)	ND (0.00028)	ND (0.0003)	ND (0.00029)	ND (0.0003)	ND (0.00029)	ND (0.00029)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0322	DP0323	DP0323	DP0323	DP0324	DP0324	DP0324	DP0325	DP0325	DP0325	DP0326	DP0326
Sample Date	05/07/2014	05/07/2014	05/07/2014	05/07/2014	05/12/2014	05/12/2014	05/12/2014	05/06/2014	05/06/2014	05/06/2014	05/14/2014	05/14/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	14 (ft)	1 (ft)	5 (ft)	11 (ft)	2 (ft)	6 (ft)	12 (ft)	1 (ft)	4 (ft)	8 (ft)	2 (ft)	10 (ft)
Sample Name	DP-0322-SS-014-06	DP-0323-SS-001-01	DP-0323-SS-005-01	DP-0323-SS-011-01	DP-0324-SS-002-01	DP-0324-SS-006-01	DP-0324-SS-012-01	DP-0325-SS-001-01	DP-0325-SS-004-01	DP-0325-SS-008-01	DP-0326-SS-002-01	DP-0326-SS-010-01
1,1-Dichloroethane	ND (0.00017)	ND (0.00018)	ND (0.00016)	**0.001**	ND (0.00017)	ND (0.00018)	**0.00096**	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00018)	ND (0.00017)
1,1-Dichloroethene	ND (0.00028)	ND (0.0003)	ND (0.00027)	ND (0.0003)	ND (0.00028)	ND (0.00029)	ND (0.00027)	ND (0.0003)	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.00028)
1,2,3-Trichloropropane	ND (0.00067)	ND (0.00072)	ND (0.00064)	ND (0.00073)	ND (0.00067)	ND (0.0007)	ND (0.00065)	ND (0.00071)	ND (0.00069)	ND (0.0007)	ND (0.00069)	ND (0.00068)
1,2,4-Trimethylbenzene	ND (0.00047)	ND (0.00051)	ND (0.00045)	ND (0.00052)	ND (0.00047)	ND (0.00049)	ND (0.00046)	ND (0.0005)	ND (0.00049)	ND (0.00049)	ND (0.00049)	ND (0.00048)
1,2-Dichloroethane	ND (0.00025)	ND (0.00027)	ND (0.00024)	ND (0.00028)	ND (0.00025)	ND (0.00026)	ND (0.00025)	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00026)	ND (0.00026)
1,3,5-Trimethylbenzene	ND (0.00044)	ND (0.00048)	ND (0.00042)	ND (0.00048)	ND (0.00044)	ND (0.00046)	ND (0.00043)	ND (0.00047)	ND (0.00045)	ND (0.00046)	ND (0.00046)	ND (0.00045)
2-Butanone (Methyl Ethyl Ketone)	ND (0.003)	ND (0.0033)	ND (0.0029)	ND (0.0033)	ND (0.003)	ND (0.0032)	ND (0.003)	ND (0.0032)	ND (0.0031)	ND (0.0032)	ND (0.0031)	ND (0.0031)
2-Phenylbutane (sec-Butylbenzene)	ND (0.00046)	ND (0.0005)	ND (0.00045)	ND (0.00051)	ND (0.00046)	ND (0.00049)	ND (0.00045)	ND (0.00049)	ND (0.00048)	ND (0.00048)	ND (0.00048)	ND (0.00047)
Acetone	ND (0.005)	ND (0.0054)	ND (0.0048)	ND (0.0055)	ND (0.005)	ND (0.0053)	ND (0.0049)	ND (0.0053)	ND (0.0052)	ND (0.0052)	ND (0.0052)	ND (0.0051)
Benzene	ND (0.0001)	ND (0.00011)	ND (0.0001)	ND (0.00011)	ND (0.0001)	ND (0.00011)	ND (0.0001)	ND (0.00011)	ND (0.00011)	ND (0.00011)	**0.0014**	ND (0.00011)
Carbon disulfide	ND (0.00024)	ND (0.00026)	ND (0.00024)	ND (0.00027)	ND (0.00025)	ND (0.00026)	ND (0.00024)	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00025)	ND (0.00025)
cis-1,2-Dichloroethene	ND (0.00022)	ND (0.00024)	ND (0.00022)	ND (0.00025)	ND (0.00022)	ND (0.00024)	ND (0.00022)	ND (0.00024)	ND (0.00023)	ND (0.00023)	ND (0.00023)	ND (0.00023)
Cymene (p-Isopropyltoluene)	ND (0.0005)	ND (0.00055)	ND (0.00049)	ND (0.00055)	ND (0.00051)	ND (0.00053)	ND (0.0005)	ND (0.00054)	ND (0.00052)	ND (0.00053)	ND (0.00052)	ND (0.00052)
Dichlorodifluoromethane (CFC-12)	ND (0.00036)	ND (0.00038)	ND (0.00034)	ND (0.00039)	ND (0.00036)	ND (0.00037)	ND (0.00035)	ND (0.00038)	ND (0.00037)	ND (0.00037)	ND (0.00037)	ND (0.00036)
Ethylbenzene	ND (0.00012)	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00012)
Isopropylbenzene	ND (0.00044)	ND (0.00047)	ND (0.00042)	ND (0.00048)	ND (0.00044)	ND (0.00046)	ND (0.00043)	ND (0.00047)	ND (0.00045)	ND (0.00046)	ND (0.00045)	ND (0.00045)
m,p-Xylenes	ND (0.00021)	ND (0.00023)	ND (0.00021)	ND (0.00024)	ND (0.00022)	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00022)
Methylene chloride	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)
n-Propylbenzene	ND (0.0004)	ND (0.00043)	ND (0.00039)	ND (0.00044)	ND (0.0004)	ND (0.00042)	ND (0.0004)	ND (0.00043)	ND (0.00042)	ND (0.00042)	ND (0.00042)	ND (0.00041)
o-Xylene	ND (0.00045)	ND (0.00048)	ND (0.00043)	ND (0.00049)	ND (0.00045)	ND (0.00047)	ND (0.00044)	ND (0.00048)	ND (0.00046)	ND (0.00047)	ND (0.00046)	ND (0.00046)
Styrene	ND (0.00048)	ND (0.00052)	ND (0.00047)	ND (0.00053)	ND (0.00049)	ND (0.00051)	ND (0.00048)	ND (0.00052)	ND (0.0005)	ND (0.00051)	ND (0.0005)	ND (0.0005)
Tetrachloroethene	**0.0025**	**0.0019**	ND (0.00016)	**0.0032**	**0.0071**	ND (0.00018)	**0.0026**	**0.0038**	**0.0046**	**0.0017**	**0.21**	**0.0054**
Toluene	ND (0.00041)	ND (0.00045)	ND (0.0004)	ND (0.00045)	ND (0.00041)	ND (0.00043)	ND (0.00041)	ND (0.00044)	ND (0.00043)	ND (0.00043)	**0.001**	ND (0.00042)
trans-1,2-Dichloroethene	ND (0.00041)	ND (0.00044)	ND (0.00039)	ND (0.00045)	ND (0.00041)	ND (0.00043)	ND (0.0004)	ND (0.00043)	ND (0.00042)	ND (0.00042)	ND (0.00042)	ND (0.00042)
Trichloroethene	ND (0.00024)	ND (0.00026)	ND (0.00023)	ND (0.00026)	ND (0.00024)	ND (0.00025)	ND (0.00024)	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00025)
Trifluorotrichloroethane (Freon 113)	ND (0.00028)	ND (0.0003)	ND (0.00027)	ND (0.00031)	ND (0.00028)	ND (0.0003)	ND (0.00028)	ND (0.0003)	ND (0.00029)	ND (0.0003)	ND (0.00029)	ND (0.00029)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0326	DP0327A	DP0327A	DP0327A	DP0328	DP0328	DP0328	DP0328	DP0329	DP0329	DP0329	DP0330
Sample Date	05/14/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/12/2014	05/12/2014	05/12/2014	05/07/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	14 (ft)	1 (ft)	6 (ft)	12 (ft)	1 (ft)	2 (ft)	4 (ft)	11 (ft)	1 (ft)	4 (ft)	10 (ft)	2 (ft)
Sample Name	DP-0326-SS-014-01	DP-0327A-SS-001-01	DP-0327A-SS-006-01	DP-0327A-SS-012-01	DP-0328-SS-001-01	DP-0328-SS-002-01	DP-0328-SS-004-01	DP-0328-SS-011-01	DP-0329-SS-001-01	DP-0329-SS-004-01	DP-0329-SS-010-01	DP-0330-SS-002-01
Inorganic Compounds (mg/kg)												
Antimony	ND (0.147)	ND (0.145)	ND (0.15)	ND (0.15)	ND (0.147)	-	ND (0.151)	ND (0.142)	ND (0.147)	ND (0.144)	ND (0.147)	ND (0.151)
Arsenic	**3.22**	**3.15**	**3.67**	**3.93**	**1.86**	-	**3.58**	**3.56**	**3.04**	**3.92**	**3.58**	**6.25**
Barium	**166**	**124**	**103**	**210**	**125**	-	**140**	**159**	**106**	**240**	**168**	**181**
Beryllium	**0.547**	**0.336**	**0.34**	**0.551**	**0.27**	-	**0.474**	**0.447**	**0.328**	**0.527**	**0.349**	**0.495**
Cadmium	**1.31**	**0.876**	**1.08**	**1.48**	**0.649**	-	**1.41**	**1.05**	**0.893**	**1.35**	**1.02**	**1.54**
Chromium	**24.3**	**10.9**	**13.5**	**21.5**	**9.47**	-	**20.3**	**17.4**	**14.7**	**23.9**	**15.9**	**21.6**
Chromium VI (Hexavalent)	-	-	-	-	ND (0.029)	-	-	-	ND (0.029)	-	-	-
Cobalt	**7.58**	**8.5**	**6.15**	**7.59**	**5.55**	-	**7.57**	**7.39**	**6.29**	**7.83**	**6.94**	**8.19**
Copper	**22.7**	**13**	**13**	**24**	**10.9**	-	**19.6**	**17.6**	**13**	**22**	**14.7**	**23**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**3.44**	**3.47**	**2.82**	**3.47**	**2.02**	-	**3.3**	**2.81**	**4.33**	**3.95**	**2.45**	**15.5**
Mercury	ND (0.00587)	ND (0.00597)	ND (0.00559)	ND (0.00568)	ND (0.00559)	-	ND (0.00587)	ND (0.00597)	ND (0.00587)	ND (0.00607)	ND (0.00578)	ND (0.00597)
Molybdenum	**2.67**	**3.03**	**1.82**	**1.76**	**2.03**	-	**1.86**	**1.78**	**2.6**	**2.59**	**2.31**	**1.89**
Nickel	**29.2**	**20.5**	**20.4**	**29.6**	**16.4**	-	**26.3**	**24.8**	**18.2**	**28**	**22**	**27**
Selenium	ND (0.297)	ND (0.292)	ND (0.301)	ND (0.301)	ND (0.295)	-	ND (0.304)	ND (0.285)	ND (0.297)	ND (0.289)	ND (0.297)	ND (0.304)
Vanadium	**41.3**	**23.4**	**26.2**	**37.1**	**20.9**	-	**36.8**	**33.4**	**30.8**	**43.2**	**29.4**	**39.5**
Zinc	**58**	**39.2**	**36.3**	**58.4**	**38**	-	**51**	**47.2**	**40.1**	**53.3**	**36.1**	**54.1**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	**0.29**	ND (0.014)	ND (0.014)	ND (0.014)	**0.086**	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Aroclor-1254 (PCB-1254)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor-1260 (PCB-1260)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	**0.89**	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)	-	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)
bis(2-Ethylhexyl)phthalate	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.096)	ND (0.096)	-	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.097)
Butyl benzylphthalate	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Diethyl phthalate	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	-	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.00021)	ND (0.00022)	ND (0.00019)	ND (0.0002)	ND (0.00019)	ND (0.00018)	ND (0.00072)	ND (0.0002)	ND (0.00022)	ND (0.00019)	ND (0.00019)	ND (0.00021)
1,1,2-Trichloroethane	ND (0.00034)	ND (0.00034)	ND (0.00029)	ND (0.00031)	ND (0.0003)	ND (0.00028)	ND (0.0011)	ND (0.00031)	ND (0.00034)	ND (0.0003)	ND (0.00029)	ND (0.00032)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0326	DP0327A	DP0327A	DP0327A	DP0328	DP0328	DP0328	DP0328	DP0329	DP0329	DP0329	DP0330
Sample Date	05/14/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/12/2014	05/12/2014	05/12/2014	05/07/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	14 (ft)	1 (ft)	6 (ft)	12 (ft)	1 (ft)	2 (ft)	4 (ft)	11 (ft)	1 (ft)	4 (ft)	10 (ft)	2 (ft)
Sample Name	DP-0326-SS-014-01	DP-0327A-SS-001-01	DP-0327A-SS-006-01	DP-0327A-SS-012-01	DP-0328-SS-001-01	DP-0328-SS-002-01	DP-0328-SS-004-01	DP-0328-SS-011-01	DP-0329-SS-001-01	DP-0329-SS-004-01	DP-0329-SS-010-01	DP-0330-SS-002-01
1,1-Dichloroethane	ND (0.0002)	ND (0.0002)	ND (0.00018)	ND (0.00018)	ND (0.00018)	ND (0.00017)	ND (0.00068)	ND (0.00019)	ND (0.00021)	ND (0.00018)	ND (0.00017)	ND (0.00019)
1,1-Dichloroethene	ND (0.00033)	ND (0.00033)	ND (0.00029)	ND (0.0003)	ND (0.00029)	ND (0.00028)	ND (0.0011)	ND (0.00031)	ND (0.00034)	ND (0.00029)	ND (0.00029)	ND (0.00032)
1,2,3-Trichloropropane	ND (0.00079)	ND (0.00079)	ND (0.00069)	ND (0.00072)	ND (0.0007)	ND (0.00066)	ND (0.0027)	ND (0.00074)	ND (0.00081)	ND (0.00071)	ND (0.00069)	ND (0.00076)
1,2,4-Trimethylbenzene	ND (0.00056)	ND (0.00056)	ND (0.00049)	ND (0.00051)	ND (0.00049)	ND (0.00047)	ND (0.0019)	ND (0.00052)	ND (0.00057)	ND (0.0005)	ND (0.00049)	ND (0.00054)
1,2-Dichloroethane	ND (0.0003)	ND (0.0003)	ND (0.00026)	ND (0.00027)	ND (0.00026)	ND (0.00025)	ND (0.001)	ND (0.00028)	ND (0.0003)	ND (0.00027)	ND (0.00026)	ND (0.00029)
1,3,5-Trimethylbenzene	ND (0.00052)	ND (0.00052)	ND (0.00046)	ND (0.00048)	ND (0.00046)	ND (0.00044)	ND (0.0018)	ND (0.00049)	ND (0.00053)	ND (0.00047)	ND (0.00045)	ND (0.0005)
2-Butanone (Methyl Ethyl Ketone)	ND (0.0036)	ND (0.0036)	ND (0.0031)	ND (0.0033)	ND (0.0032)	ND (0.003)	ND (0.012)	ND (0.0034)	ND (0.0037)	ND (0.0032)	ND (0.0031)	ND (0.0035)
2-Phenylbutane (sec-Butylbenzene)	ND (0.00055)	ND (0.00055)	ND (0.00048)	ND (0.0005)	ND (0.00049)	ND (0.00046)	ND (0.0019)	ND (0.00051)	ND (0.00056)	ND (0.00049)	ND (0.00048)	ND (0.00053)
Acetone	ND (0.006)	ND (0.006)	ND (0.0052)	ND (0.0054)	**0.048**	ND (0.076) B	ND (0.02)	ND (0.0056)	ND (0.0061)	ND (0.0053)	ND (0.0052)	ND (0.0057)
Benzene	ND (0.00012)	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.00011)	ND (0.00092) B	ND (0.00042)	ND (0.00012)	ND (0.00013)	ND (0.00011)	ND (0.00011)	ND (0.00012)
Carbon disulfide	ND (0.00029)	ND (0.00029)	ND (0.00025)	ND (0.00027)	ND (0.00026)	ND (0.00024)	ND (0.00098)	ND (0.00027)	ND (0.0003)	ND (0.00026)	ND (0.00025)	ND (0.00028)
cis-1,2-Dichloroethene	ND (0.00027)	ND (0.00027)	ND (0.00023)	ND (0.00024)	ND (0.00024)	ND (0.00022)	ND (0.0009)	ND (0.00025)	ND (0.00027)	ND (0.00024)	ND (0.00023)	ND (0.00026)
Cymene (p-Isopropyltoluene)	ND (0.0006)	ND (0.0006)	ND (0.00052)	ND (0.00055)	ND (0.00053)	ND (0.0005)	ND (0.002)	ND (0.00056)	ND (0.00061)	ND (0.00054)	ND (0.00052)	ND (0.00058)
Dichlorodifluoromethane (CFC-12)	ND (0.00042)	ND (0.00042)	ND (0.00037)	ND (0.00038)	ND (0.00037)	ND (0.00035)	ND (0.0014)	ND (0.00039)	ND (0.00043)	ND (0.00038)	ND (0.00037)	ND (0.00041)
Ethylbenzene	ND (0.00014)	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00012)	ND (0.00049)	ND (0.00013)	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00014)
Isopropylbenzene	ND (0.00052)	ND (0.00052)	ND (0.00045)	ND (0.00047)	ND (0.00046)	ND (0.00043)	ND (0.0018)	ND (0.00049)	ND (0.00053)	ND (0.00046)	ND (0.00045)	ND (0.0005)
m,p-Xylenes	ND (0.00026)	ND (0.00026)	ND (0.00022)	ND (0.00023)	ND (0.00023)	ND (0.00021)	ND (0.00086)	ND (0.00024)	ND (0.00026)	ND (0.00023)	ND (0.00022)	ND (0.00025)
Methylene chloride	ND (0.0013)	ND (0.0013)	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.0043)	ND (0.0012)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.0012)
n-Propylbenzene	ND (0.00048)	ND (0.00048)	ND (0.00042)	ND (0.00044)	ND (0.00042)	ND (0.0004)	ND (0.0016)	ND (0.00045)	ND (0.00049)	ND (0.00043)	ND (0.00042)	ND (0.00046)
o-Xylene	ND (0.00053)	ND (0.00053)	ND (0.00046)	ND (0.00048)	ND (0.00047)	ND (0.00044)	ND (0.0018)	ND (0.00049)	ND (0.00054)	ND (0.00047)	ND (0.00046)	ND (0.00051)
Styrene	ND (0.00058)	ND (0.00058)	ND (0.0005)	ND (0.00052)	ND (0.00051)	ND (0.00048)	ND (0.0019)	ND (0.00054)	ND (0.00059)	ND (0.00051)	ND (0.0005)	ND (0.00055)
Tetrachloroethene	**0.011**	**0.043**	**0.0044**	**0.026**	**59**	ND (0.089) B	**0.049**	**0.013**	**0.0017**	ND (0.00018)	ND (0.00017)	**0.068**
Toluene	ND (0.00049)	ND (0.00049)	ND (0.00043)	ND (0.00045)	ND (0.00043)	ND (0.00041)	ND (0.0017)	ND (0.00046)	ND (0.0005)	ND (0.00044)	ND (0.00043)	ND (0.00047)
trans-1,2-Dichloroethene	ND (0.00048)	ND (0.00048)	ND (0.00042)	ND (0.00044)	ND (0.00043)	ND (0.0004)	ND (0.0016)	ND (0.00045)	ND (0.00049)	ND (0.00043)	ND (0.00042)	ND (0.00046)
Trichloroethene	ND (0.00029)	ND (0.00029)	ND (0.00025)	ND (0.00026)	**0.0034**	ND (0.00024)	ND (0.00096)	ND (0.00027)	ND (0.00029)	ND (0.00026)	ND (0.00025)	ND (0.00028)
Trifluorotrichloroethane (Freon 113)	ND (0.00034)	ND (0.00034)	ND (0.00029)	ND (0.00031)	ND (0.0003)	ND (0.00028)	ND (0.0011)	ND (0.00031)	ND (0.00034)	ND (0.0003)	ND (0.00029)	ND (0.00032)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0330	DP0330	DP0331	DP0331	DP0331	DP0332	DP0332	DP0332	DP0333	DP0333	DP0333	DP0334
Sample Date	05/07/2014	05/07/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/13/2014	05/13/2014	05/13/2014	05/05/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	8 (ft)	14 (ft)	3 (ft)	9 (ft)	13 (ft)	2 (ft)	8 (ft)	14 (ft)	2 (ft)	9 (ft)	14 (ft)	2 (ft)
Sample Name	DP-0330-SS-008-01	DP-0330-SS-014-01	DP-0331-SS-003-01	DP-0331-SS-009-01	DP-0331-SS-013-01	DP-0332-SS-002-01	DP-0332-SS-008-01	DP-0332-SS-014-01	DP-0333-SS-002-01	DP-0333-SS-009-01	DP-0333-SS-014-01	DP-334-SS-002-01
Inorganic Compounds (mg/kg)												
Antimony	ND (0.147)	ND (0.144)	ND (0.152)	ND (0.148)	ND (0.149)	ND (0.145)	ND (0.145)	ND (0.146)	ND (0.15)	ND (0.154)	ND (0.148)	ND (0.148)
Arsenic	**3.44**	**3.85**	**3.97**	**3.18**	**5.46**	**7.37**	**2.9**	**2.01**	**1.96**	**3.04**	**3.95**	**4.63**
Barium	**119**	**128**	**135**	**218**	**387**	**137**	**103**	**84.6**	**135**	**186**	**145**	**133**
Beryllium	**0.356**	**0.461**	**0.478**	**0.506**	**0.655**	**0.353**	ND (0.134)	ND (0.134)	**0.35**	**0.51**	**0.576**	**0.395**
Cadmium	**0.999**	**0.97**	**1.39**	**2**	**1.95**	**1.09**	**0.859**	**0.504**	**0.872**	**1.14**	**1.55**	**1.2**
Chromium	**11.8**	**16.7**	**18.9**	**18.6**	**27.9**	**14.3**	**7.53**	**5.37**	**15.2**	**22.2**	**29.3**	**19.4**
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	ND (0.029)	-	-	-
Cobalt	**6.58**	**6.98**	**7.87**	**7.61**	**8.32**	**6.3**	**5.29**	**2.06**	**6.02**	**7.14**	**8.08**	**7.07**
Copper	**13.1**	**18.3**	**18.8**	**20.1**	**33.8**	**18.3**	**7.77**	**3.72**	**13.3**	**21.8**	**23.7**	**16.2**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**2.61**	**3.46**	**3.58**	**2.84**	**4.09**	**23.2**	**1.82**	**1.12**	**2.52**	**2.92**	**3.56**	**4.43**
Mercury	ND (0.00578)	ND (0.00587)	ND (0.00597)	ND (0.00578)	ND (0.00587)	ND (0.00568)	ND (0.00587)	ND (0.00568)	ND (0.00607)	ND (0.00597)	ND (0.00559)	ND (0.00568)
Molybdenum	**1.58**	**2.52**	**1.77**	**1.26**	**3.55**	**1.58**	**1.3**	**1.71**	**1.59**	**1.83**	**2.47**	**2.28**
Nickel	**20.2**	**25.6**	**26.3**	**26.1**	**37.9**	**18.1**	**14**	**6.11**	**17.4**	**30.2**	**29.4**	**21.8**
Selenium	ND (0.297)	ND (0.289)	ND (0.306)	ND (0.298)	ND (0.3)	ND (0.291)	ND (0.292)	ND (0.294)	ND (0.301)	ND (0.309)	ND (0.298)	ND (0.298)
Vanadium	**25.2**	**31.7**	**35.8**	**34.1**	**51.1**	**27.7**	**15.6**	**10.5**	**28.9**	**40.4**	**48.6**	**36.8**
Zinc	**36.3**	**47.2**	**49.8**	**52**	**76**	**40.7**	**19.5**	**11.7**	**37.9**	**53.4**	**58.9**	**44.6**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Aroclor-1254 (PCB-1254)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor-1260 (PCB-1260)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)
bis(2-Ethylhexyl)phthalate	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.097)
Butyl benzylphthalate	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Diethyl phthalate	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.00021)	ND (0.00017)	ND (0.00022)	ND (0.00018)	ND (0.00017)	ND (0.00019)	ND (0.00022)	ND (0.00023)	ND (0.00015)	ND (0.00016)	ND (0.00021)	ND (0.00017)
1,1,2-Trichloroethane	ND (0.00033)	ND (0.00027)	ND (0.00034)	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00035)	ND (0.00036)	ND (0.00024)	ND (0.00026)	ND (0.00032)	ND (0.00027)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0330	DP0330	DP0331	DP0331	DP0331	DP0332	DP0332	DP0332	DP0333	DP0333	DP0333	DP0334
Sample Date	05/07/2014	05/07/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014	05/13/2014	05/13/2014	05/13/2014	05/05/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	8 (ft)	14 (ft)	3 (ft)	9 (ft)	13 (ft)	2 (ft)	8 (ft)	14 (ft)	2 (ft)	9 (ft)	14 (ft)	2 (ft)
Sample Name	DP-0330-SS-008-01	DP-0330-SS-014-01	DP-0331-SS-003-01	DP-0331-SS-009-01	DP-0331-SS-013-01	DP-0332-SS-002-01	DP-0332-SS-008-01	DP-0332-SS-014-01	DP-0333-SS-002-01	DP-0333-SS-009-01	DP-0333-SS-014-01	DP-334-SS-002-01
1,1-Dichloroethane	ND (0.00019)	ND (0.00016)	ND (0.00021)	ND (0.00017)	ND (0.00016)	ND (0.00018)	ND (0.00021)	ND (0.00022)	ND (0.00014)	ND (0.00015)	ND (0.00019)	ND (0.00016)
1,1-Dichloroethene	ND (0.00032)	ND (0.00027)	ND (0.00034)	ND (0.00028)	ND (0.00026)	ND (0.00029)	ND (0.00034)	ND (0.00036)	ND (0.00023)	ND (0.00025)	ND (0.00032)	ND (0.00026)
1,2,3-Trichloropropane	ND (0.00076)	ND (0.00064)	ND (0.00081)	ND (0.00067)	ND (0.00062)	ND (0.00069)	ND (0.00083)	ND (0.00085)	ND (0.00055)	ND (0.00061)	ND (0.00076)	ND (0.00062)
1,2,4-Trimethylbenzene	ND (0.00054)	ND (0.00045)	ND (0.00057)	ND (0.00047)	ND (0.00044)	ND (0.00049)	ND (0.00058)	ND (0.0006)	ND (0.00039)	ND (0.00043)	ND (0.00054)	ND (0.00044)
1,2-Dichloroethane	ND (0.00029)	ND (0.00024)	ND (0.00031)	ND (0.00025)	ND (0.00024)	ND (0.00026)	ND (0.00031)	ND (0.00032)	ND (0.00021)	ND (0.00023)	ND (0.00029)	ND (0.00024)
1,3,5-Trimethylbenzene	ND (0.0005)	ND (0.00043)	ND (0.00053)	ND (0.00044)	ND (0.00041)	ND (0.00046)	ND (0.00055)	ND (0.00056)	ND (0.00037)	ND (0.0004)	ND (0.0005)	ND (0.00041)
2-Butanone (Methyl Ethyl Ketone)	ND (0.0035)	ND (0.0029)	ND (0.0037)	ND (0.003)	ND (0.0028)	ND (0.0031)	ND (0.0037)	ND (0.0039)	ND (0.0025)	ND (0.0027)	ND (0.0035)	ND (0.0028)
2-Phenylbutane (sec-Butylbenzene)	ND (0.00053)	ND (0.00045)	ND (0.00056)	ND (0.00047)	ND (0.00043)	ND (0.00048)	ND (0.00057)	ND (0.00059)	ND (0.00038)	ND (0.00042)	ND (0.00053)	ND (0.00043)
Acetone	ND (0.0057)	ND (0.0048)	ND (0.0061)	ND (0.005)	ND (0.0047)	ND (0.0052)	ND (0.0062)	ND (0.0064)	ND (0.0042)	ND (0.0045)	ND (0.0057)	ND (0.0047)
Benzene	ND (0.00012)	ND (0.0001)	ND (0.00013)	ND (0.0001)	ND (0.000097)	ND (0.00011)	ND (0.00013)	**0.0014**	ND (0.000086)	ND (0.000095)	**0.0013**	ND (0.000097)
Carbon disulfide	ND (0.00028)	ND (0.00024)	ND (0.0003)	ND (0.00025)	ND (0.00023)	ND (0.00025)	ND (0.0003)	ND (0.00031)	ND (0.0002)	ND (0.00022)	ND (0.00028)	ND (0.00023)
cis-1,2-Dichloroethene	ND (0.00026)	ND (0.00022)	ND (0.00027)	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00028)	ND (0.00029)	ND (0.00019)	ND (0.0002)	ND (0.00026)	ND (0.00021)
Cymene (p-Isopropyltoluene)	ND (0.00058)	ND (0.00049)	ND (0.00061)	ND (0.00051)	ND (0.00047)	ND (0.00052)	ND (0.00063)	ND (0.00065)	ND (0.00042)	ND (0.00046)	ND (0.00058)	ND (0.00047)
Dichlorodifluoromethane (CFC-12)	ND (0.00041)	ND (0.00034)	ND (0.00043)	ND (0.00036)	ND (0.00033)	ND (0.00037)	ND (0.00044)	ND (0.00046)	ND (0.0003)	ND (0.00032)	ND (0.00041)	ND (0.00033)
Ethylbenzene	ND (0.00014)	ND (0.00012)	ND (0.00015)	ND (0.00012)	ND (0.00011)	ND (0.00013)	ND (0.00015)	ND (0.00016)	ND (0.0001)	ND (0.00011)	ND (0.00014)	ND (0.00011)
Isopropylbenzene	ND (0.0005)	ND (0.00042)	ND (0.00053)	ND (0.00044)	ND (0.00041)	ND (0.00045)	ND (0.00054)	ND (0.00056)	ND (0.00036)	ND (0.0004)	ND (0.0005)	ND (0.00041)
m,p-Xylenes	ND (0.00025)	ND (0.00021)	ND (0.00026)	ND (0.00022)	ND (0.0002)	ND (0.00022)	ND (0.00027)	ND (0.00028)	ND (0.00018)	ND (0.0002)	ND (0.00025)	ND (0.0002)
Methylene chloride	ND (0.0012)	ND (0.001)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0014)	ND (0.00089)	ND (0.00098)	ND (0.0012)	ND (0.001)
n-Propylbenzene	ND (0.00046)	ND (0.00039)	ND (0.00049)	ND (0.0004)	ND (0.00038)	ND (0.00042)	ND (0.0005)	ND (0.00052)	ND (0.00033)	ND (0.00037)	ND (0.00046)	ND (0.00038)
o-Xylene	ND (0.00051)	ND (0.00043)	ND (0.00054)	ND (0.00045)	ND (0.00042)	ND (0.00046)	ND (0.00055)	ND (0.00057)	ND (0.00037)	ND (0.00041)	ND (0.00051)	ND (0.00042)
Styrene	ND (0.00056)	ND (0.00047)	ND (0.00059)	ND (0.00049)	ND (0.00045)	ND (0.0005)	ND (0.0006)	ND (0.00062)	ND (0.0004)	ND (0.00044)	ND (0.00055)	ND (0.00045)
Tetrachloroethene	**0.0075**	**0.018**	**0.016**	**0.0059**	**0.014**	**0.024**	**0.0032**	**0.0026**	**0.0022**	ND (0.00015)	ND (0.00019)	**0.014**
Toluene	ND (0.00047)	ND (0.0004)	ND (0.0005)	ND (0.00042)	ND (0.00039)	ND (0.00043)	ND (0.00051)	**0.0016**	ND (0.00034)	ND (0.00038)	ND (0.00047)	ND (0.00039)
trans-1,2-Dichloroethene	ND (0.00047)	ND (0.00039)	ND (0.00049)	ND (0.00041)	ND (0.00038)	ND (0.00042)	ND (0.0005)	ND (0.00052)	ND (0.00034)	ND (0.00037)	ND (0.00046)	ND (0.00038)
Trichloroethene	ND (0.00028)	ND (0.00023)	ND (0.00029)	ND (0.00024)	ND (0.00023)	ND (0.00025)	ND (0.0003)	ND (0.00031)	ND (0.0002)	ND (0.00022)	ND (0.00028)	ND (0.00023)
Trifluorotrichloroethane (Freon 113)	ND (0.00032)	ND (0.00027)	ND (0.00034)	ND (0.00028)	ND (0.00026)	ND (0.00029)	ND (0.00035)	ND (0.00036)	ND (0.00023)	ND (0.00026)	ND (0.00032)	ND (0.00026)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0334	DP0334	DP0335	DP0335	DP0335	DP0336	DP0336	DP0336	DP0337	DP0337	DP0337	DP0338	DP0338
Sample Date	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/13/2014	05/13/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	12 (ft)	1 (ft)	5 (ft)	13 (ft)	1 (ft)	3 (ft)	8 (ft)	2 (ft)	7 (ft)	14 (ft)	3 (ft)	8 (ft)
Sample Name	DP-334-SS-006-01	DP-334-SS-012-01	DP-335-SS-001-01	DP-335-SS-005-01	DP-335-SS-013-01	DP-336-SS-001-01	DP-336-SS-003-01	DP-336-SS-008-01	DP-337-SS-002-01	DP-337-SS-007-01	DP-337-SS-014-01	DP-0338-SS-003-01	DP-0338-SS-008-01
Inorganic Compounds (mg/kg)													
Antimony	ND (0.147)	ND (0.148)	ND (0.147)	ND (0.149)	ND (0.149)	ND (0.151)	ND (0.147)	ND (0.143)	ND (0.147)	ND (0.145)	ND (0.15)	ND (0.153)	ND (0.149)
Arsenic	**3.58**	**3.83**	**2.91**	**4.38**	**4.28**	**2.2**	**3.9**	**3.25**	**3.57**	**4.9**	**4.58**	**3.6**	**2.55**
Barium	**175**	**141**	**130**	**86.5**	**212**	**108**	**120**	**110**	**133**	**98.6**	**125**	**127**	**154**
Beryllium	**0.368**	**0.546**	**0.31**	**0.267**	**0.54**	ND (0.139)	**0.374**	**0.357**	**0.394**	**0.395**	**0.549**	**0.392**	**0.398**
Cadmium	**1.1**	**1.66**	**0.783**	**1.21**	**1.46**	**0.576**	**1.06**	**0.937**	**1.02**	**1.02**	**1.23**	**0.935**	**0.973**
Chromium	**18.1**	**27.5**	**15.7**	**12.8**	**26.7**	**11.4**	**18**	**16.2**	**19.8**	**19.5**	**28.2**	**18.6**	**17.1**
Chromium VI (Hexavalent)	-	-	ND (0.029)	-	-	-	-	-	ND (0.029)	-	-	ND (0.029)	-
Cobalt	**7.86**	**7.94**	**11.4**	**6.83**	**7.61**	**6.73**	**7.03**	**5.99**	**6.46**	**6.79**	**8.06**	**6.32**	**6.38**
Copper	**13.7**	**23.5**	**16.5**	**10.2**	**23**	**11.7**	**14.8**	**12.5**	**19.6**	**14.1**	**23.4**	**17.4**	**16**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**2.59**	**3.31**	**2.91**	**2.29**	**3.49**	**1.75**	**3.01**	**2.39**	**3.96**	**2.78**	**3.48**	**5.42**	**2.39**
Mercury	ND (0.00578)	ND (0.00578)	ND (0.00587)	ND (0.00587)	ND (0.00578)	ND (0.00587)	ND (0.00568)	ND (0.00607)	ND (0.00597)	ND (0.00597)	ND (0.00587)	ND (0.00587)	ND (0.00597)
Molybdenum	**2.46**	**2.89**	**2.32**	**2.5**	**2.33**	**1.76**	**2.06**	**1.73**	**2.35**	**2.2**	**2.76**	**1.89**	**1.81**
Nickel	**21.4**	**29.9**	**17**	**17.6**	**29.4**	**13.6**	**21.4**	**18.8**	**19.8**	**22.4**	**30.1**	**20.2**	**21.3**
Selenium	ND (0.297)	ND (0.298)	ND (0.295)	ND (0.3)	ND (0.3)	ND (0.304)	ND (0.295)	ND (0.287)	ND (0.297)	ND (0.292)	ND (0.303)	ND (0.307)	ND (0.3)
Vanadium	**33.3**	**46.5**	**29.3**	**24.8**	**41.9**	**22.7**	**34**	**30.1**	**37.3**	**36.7**	**47.2**	**35**	**31.6**
Zinc	**39.6**	**59.1**	**41**	**26.1**	**57.9**	**37.5**	**42.5**	**36.5**	**50.6**	**40.7**	**59.6**	**42.6**	**42.8**
PCBs (mg/kg)													
Aroclor-1248 (PCB-1248)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Aroclor-1254 (PCB-1254)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor-1260 (PCB-1260)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Semi-Volatile Organic Compounds (mg/kg)													
Benzyl Alcohol	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)
bis(2-Ethylhexyl)phthalate	ND (0.096)	ND (0.096)	ND (0.097)	ND (0.095)	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.095)	ND (0.096)	ND (0.096)	ND (0.095)	ND (0.096)	ND (0.096)
Butyl benzylphthalate	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Diethyl phthalate	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
Total Petroleum Hydrocarbons (mg/kg)													
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	ND (0.0002)	ND (0.00017)	ND (0.00019)	ND (0.00022)	ND (0.00018)	ND (0.00019)	ND (0.00018)	ND (0.00019)	**0.002**	ND (0.00019)	ND (0.00018)	ND (0.00018)	ND (0.00019)
1,1,2-Trichloroethane	ND (0.00031)	ND (0.00027)	ND (0.0003)	ND (0.00034)	ND (0.00029)	ND (0.00029)	ND (0.00028)	ND (0.0003)	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.00028)	ND (0.00029)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0334	DP0334	DP0335	DP0335	DP0335	DP0336	DP0336	DP0336	DP0337	DP0337	DP0337	DP0338	DP0338
Sample Date	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/05/2014	05/13/2014	05/13/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	12 (ft)	1 (ft)	5 (ft)	13 (ft)	1 (ft)	3 (ft)	8 (ft)	2 (ft)	7 (ft)	14 (ft)	3 (ft)	8 (ft)
Sample Name	DP-334-SS-006-01	DP-334-SS-012-01	DP-335-SS-001-01	DP-335-SS-005-01	DP-335-SS-013-01	DP-336-SS-001-01	DP-336-SS-003-01	DP-336-SS-008-01	DP-337-SS-002-01	DP-337-SS-007-01	DP-337-SS-014-01	DP-0338-SS-003-01	DP-0338-SS-008-01
1,1-Dichloroethane	ND (0.00018)	ND (0.00016)	ND (0.00018)	ND (0.00021)	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00018)
1,1-Dichloroethene	ND (0.0003)	ND (0.00027)	ND (0.00029)	ND (0.00034)	ND (0.00028)	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00029)	ND (0.00028)	ND (0.00028)	ND (0.00027)	ND (0.00029)
1,2,3-Trichloropropane	ND (0.00072)	ND (0.00064)	ND (0.0007)	ND (0.00081)	ND (0.00068)	ND (0.00068)	ND (0.00065)	ND (0.0007)	ND (0.00068)	ND (0.00068)	ND (0.00067)	ND (0.00065)	ND (0.00069)
1,2,4-Trimethylbenzene	ND (0.00051)	ND (0.00045)	ND (0.0005)	ND (0.00057)	ND (0.00048)	ND (0.00048)	ND (0.00046)	ND (0.00049)	ND (0.00048)	ND (0.00048)	ND (0.00047)	ND (0.00046)	ND (0.00049)
1,2-Dichloroethane	ND (0.00027)	ND (0.00024)	ND (0.00027)	ND (0.0003)	ND (0.00026)	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00026)	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00026)
1,3,5-Trimethylbenzene	ND (0.00048)	ND (0.00042)	ND (0.00046)	ND (0.00053)	ND (0.00045)	ND (0.00045)	ND (0.00043)	ND (0.00046)	ND (0.00045)	ND (0.00045)	ND (0.00044)	ND (0.00043)	ND (0.00046)
2-Butanone (Methyl Ethyl Ketone)	ND (0.0033)	ND (0.0029)	ND (0.0032)	ND (0.0037)	ND (0.0031)	ND (0.0031)	ND (0.003)	ND (0.0032)	ND (0.0031)	ND (0.0031)	ND (0.003)	ND (0.003)	ND (0.0031)
2-Phenylbutane (sec-Butylbenzene)	ND (0.0005)	ND (0.00044)	ND (0.00049)	ND (0.00056)	ND (0.00047)	ND (0.00048)	ND (0.00045)	ND (0.00049)	ND (0.00048)	ND (0.00048)	ND (0.00047)	ND (0.00045)	ND (0.00048)
Acetone	ND (0.0054)	ND (0.0048)	ND (0.0053)	ND (0.0061)	ND (0.0051)	ND (0.0051)	ND (0.0049)	ND (0.0053)	ND (0.0051)	ND (0.0051)	ND (0.005)	ND (0.0049)	ND (0.0052)
Benzene	ND (0.00011)	**0.00082**	ND (0.00011)	ND (0.00013)	ND (0.00011)	ND (0.00011)	ND (0.0001)	ND (0.00011)	ND (0.00011)	**0.00091**	**0.00085**	ND (0.0001)	**0.00093**
Carbon disulfide	ND (0.00026)	ND (0.00023)	ND (0.00026)	ND (0.0003)	ND (0.00025)	ND (0.00025)	ND (0.00024)	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00024)	ND (0.00025)	ND (0.00025)
cis-1,2-Dichloroethene	ND (0.00024)	ND (0.00021)	ND (0.00024)	ND (0.00027)	ND (0.00023)	ND (0.00023)	ND (0.00022)	ND (0.00024)	ND (0.00023)	ND (0.00023)	ND (0.00023)	ND (0.00022)	ND (0.00023)
Cymene (p-Isopropyltoluene)	ND (0.00055)	ND (0.00048)	ND (0.00053)	ND (0.00061)	ND (0.00051)	ND (0.00052)	ND (0.00049)	ND (0.00053)	ND (0.00052)	ND (0.00052)	ND (0.00051)	ND (0.0005)	ND (0.00052)
Dichlorodifluoromethane (CFC-12)	ND (0.00038)	ND (0.00034)	ND (0.00037)	ND (0.00043)	ND (0.00036)	ND (0.00037)	ND (0.00035)	ND (0.00037)	ND (0.00037)	ND (0.00036)	ND (0.00036)	ND (0.00035)	ND (0.00037)
Ethylbenzene	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00015)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00013)
Isopropylbenzene	ND (0.00047)	ND (0.00042)	ND (0.00046)	ND (0.00053)	ND (0.00045)	ND (0.00045)	ND (0.00043)	ND (0.00046)	ND (0.00045)	ND (0.00045)	ND (0.00044)	ND (0.00043)	ND (0.00045)
m,p-Xylenes	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00026)	ND (0.00022)	ND (0.00022)	ND (0.00021)	ND (0.00023)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00021)	ND (0.00022)
Methylene chloride	ND (0.0012)	ND (0.001)	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)
n-Propylbenzene	ND (0.00043)	ND (0.00038)	ND (0.00042)	ND (0.00049)	ND (0.00041)	ND (0.00041)	ND (0.00039)	ND (0.00042)	ND (0.00041)	ND (0.00041)	ND (0.0004)	ND (0.00039)	ND (0.00042)
o-Xylene	ND (0.00048)	ND (0.00043)	ND (0.00047)	ND (0.00054)	ND (0.00045)	ND (0.00046)	ND (0.00044)	ND (0.00047)	ND (0.00046)	ND (0.00046)	ND (0.00045)	ND (0.00044)	ND (0.00046)
Styrene	ND (0.00052)	ND (0.00046)	ND (0.00051)	ND (0.00059)	ND (0.00049)	ND (0.0005)	ND (0.00047)	ND (0.00051)	ND (0.0005)	ND (0.0005)	ND (0.00049)	ND (0.00048)	ND (0.0005)
Tetrachloroethene	**0.0023**	**0.003**	**0.0034**	**0.0016**	**0.0026**	ND (0.00017)	**0.0008**	ND (0.00018)	**0.012**	ND (0.00017)	ND (0.00017)	**0.0022**	ND (0.00017)
Toluene	ND (0.00045)	ND (0.0004)	ND (0.00044)	ND (0.0005)	ND (0.00042)	ND (0.00042)	ND (0.0004)	ND (0.00043)	ND (0.00042)	ND (0.00042)	ND (0.00041)	ND (0.00041)	**0.00092**
trans-1,2-Dichloroethene	ND (0.00044)	ND (0.00039)	ND (0.00043)	ND (0.00049)	ND (0.00041)	ND (0.00042)	ND (0.0004)	ND (0.00043)	ND (0.00042)	ND (0.00042)	ND (0.00041)	ND (0.0004)	ND (0.00042)
Trichloroethene	ND (0.00026)	ND (0.00023)	ND (0.00025)	ND (0.00029)	ND (0.00025)	ND (0.00025)	ND (0.00024)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00024)	ND (0.00024)	ND (0.00025)
Trifluorotrichloroethane (Freon 113)	ND (0.0003)	ND (0.00027)	ND (0.0003)	ND (0.00034)	ND (0.00029)	ND (0.00029)	ND (0.00028)	ND (0.0003)	ND (0.00029)	ND (0.00029)	ND (0.00028)	ND (0.00028)	ND (0.00029)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0338	DP0339	DP0339	DP0339	DP0340	DP0340	DP0340	DP0341	DP0341	DP0341	DP0342	DP0342
Sample Date	05/13/2014	05/13/2014	05/13/2014	05/13/2014	05/06/2014	05/06/2014	05/06/2014	05/05/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	13 (ft)	2 (ft)	6 (ft)	11 (ft)	1 (ft)	3 (ft)	12 (ft)	1 (ft)	2 (ft)	8 (ft)	3 (ft)	5 (ft)
Sample Name	DP-0338-SS-013-01	DP-0339-SS-002-01	DP-0339-SS-006-01	DP-0339-SS-011-01	DP-340-SS-001-01	DP-340-SS-003-01	DP-340-SS-012-01	DP-341-SS-001-01	DP-341-SS-002-01	DP-341-SS-008-01	DP-342-SS-003-01	DP-342-SS-005-01
Inorganic Compounds (mg/kg)												
Antimony	ND (0.154)	ND (0.147)	ND (0.15)	ND (0.149)	ND (0.15)	ND (0.145)	ND (0.146)	ND (0.15)	ND (0.151)	ND (0.152)	ND (0.142)	ND (0.154)
Arsenic	**3.08**	**3.41**	**3**	**3.32**	**3.32**	**4.9**	**5.57**	**2.22**	**3.2**	**3.68**	**3.27**	**3.14**
Barium	**175**	**129**	**122**	**210**	**135**	**141**	**147**	**125**	**122**	**153**	**156**	**108**
Beryllium	**0.471**	**0.37**	**0.402**	**0.597**	**0.292**	**0.399**	**0.576**	**0.28**	**0.376**	**0.523**	**0.389**	**0.362**
Cadmium	**1.21**	**0.864**	**0.976**	**1.42**	**0.777**	**1.22**	**1.7**	**0.602**	**1.18**	**1.21**	**1.05**	**1**
Chromium	**20.8**	**16.1**	**18.2**	**27.3**	**14.6**	**19.9**	**29.7**	**13.3**	**16**	**25.1**	**18.9**	**17.5**
Chromium VI (Hexavalent)	-	-	-	-	ND (0.029)	-	-	-	-	-	-	-
Cobalt	**6.92**	**7.97**	**6.76**	**7.98**	**6.41**	**7.31**	**8.09**	**7.36**	**6.87**	**7.77**	**7.08**	**6.64**
Copper	**19.5**	**18.3**	**16.3**	**27.7**	**14.1**	**18.3**	**23.6**	**12.3**	**14.6**	**21.7**	**14.3**	**13.3**
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**2.96**	**4.35**	**2.8**	**3.41**	**2.74**	**6.65**	**3.48**	**2.58**	**3.09**	**3.24**	**2.78**	**2.64**
Mercury	ND (0.00587)	ND (0.00597)	ND (0.00587)	ND (0.00587)	ND (0.00578)	ND (0.00597)	ND (0.00559)	ND (0.00587)	ND (0.00587)	**0.0981**	ND (0.00587)	ND (0.00597)
Molybdenum	**2.53**	**3.52**	**2.14**	**2.09**	**2.14**	**2.2**	**3**	**1.5**	**1.56**	**2.59**	**2.07**	**1.9**
Nickel	**26.1**	**20.6**	**22.1**	**33.2**	**17.2**	**21.5**	**31.6**	**14.4**	**21.3**	**28.8**	**22.5**	**20.8**
Selenium	ND (0.31)	ND (0.297)	ND (0.303)	ND (0.3)	ND (0.303)	ND (0.292)	ND (0.294)	ND (0.303)	ND (0.304)	ND (0.306)	ND (0.285)	ND (0.309)
Vanadium	**36.4**	**31.1**	**34.2**	**45.4**	**28.8**	**36.7**	**49.6**	**25.7**	**26.8**	**43.4**	**35.4**	**33.6**
Zinc	**48.9**	**44.3**	**41.5**	**63.7**	**42.4**	**52**	**60.2**	**38.4**	**41.2**	**57.1**	**42.8**	**39.4**
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Aroclor-1254 (PCB-1254)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor-1260 (PCB-1260)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.15)	ND (0.15)
bis(2-Ethylhexyl)phthalate	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.097)	ND (0.096)	ND (0.095)	ND (0.096)	ND (0.096)	ND (0.095)	ND (0.097)	ND (0.095)	ND (0.096)
Butyl benzylphthalate	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Diethyl phthalate	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.00017)	**0.0028**	**0.00094**	**0.0074**	**0.001**	**0.0013**	ND (0.00018)	ND (0.00018)	ND (0.000086)	ND (0.00018)	ND (0.00019)	ND (0.00019)
1,1,2-Trichloroethane	ND (0.00027)	**0.0094**	**0.0068**	**0.0072**	ND (0.0003)	ND (0.00028)	ND (0.00029)	ND (0.00028)	ND (0.00013)	ND (0.00028)	ND (0.0003)	ND (0.0003)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0338	DP0339	DP0339	DP0339	DP0340	DP0340	DP0340	DP0341	DP0341	DP0341	DP0342	DP0342
Sample Date	05/13/2014	05/13/2014	05/13/2014	05/13/2014	05/06/2014	05/06/2014	05/06/2014	05/05/2014	05/06/2014	05/06/2014	05/06/2014	05/06/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	13 (ft)	2 (ft)	6 (ft)	11 (ft)	1 (ft)	3 (ft)	12 (ft)	1 (ft)	2 (ft)	8 (ft)	3 (ft)	5 (ft)
Sample Name	DP-0338-SS-013-01	DP-0339-SS-002-01	DP-0339-SS-006-01	DP-0339-SS-011-01	DP-340-SS-001-01	DP-340-SS-003-01	DP-340-SS-012-01	DP-341-SS-001-01	DP-341-SS-002-01	DP-341-SS-008-01	DP-342-SS-003-01	DP-342-SS-005-01
1,1-Dichloroethane	ND (0.00016)	**0.011**	ND (0.00019)	**0.0016**	ND (0.00018)	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00008)	ND (0.00017)	ND (0.00018)	ND (0.00018)
1,1-Dichloroethene	ND (0.00026)	**0.032**	ND (0.0003)	**0.0041**	ND (0.00029)	ND (0.00028)	ND (0.00028)	ND (0.00027)	ND (0.00013)	ND (0.00028)	ND (0.00029)	ND (0.0003)
1,2,3-Trichloropropane	ND (0.00063)	ND (0.0006)	ND (0.00073)	ND (0.00066)	ND (0.0007)	ND (0.00066)	ND (0.00067)	ND (0.00065)	ND (0.00032)	ND (0.00067)	ND (0.00071)	ND (0.00071)
1,2,4-Trimethylbenzene	ND (0.00044)	ND (0.00042)	ND (0.00052)	ND (0.00047)	ND (0.00049)	ND (0.00047)	ND (0.00048)	ND (0.00046)	ND (0.00022)	ND (0.00047)	ND (0.0005)	ND (0.0005)
1,2-Dichloroethane	ND (0.00024)	ND (0.00023)	ND (0.00028)	ND (0.00025)	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00025)	ND (0.00012)	ND (0.00025)	ND (0.00027)	ND (0.00027)
1,3,5-Trimethylbenzene	ND (0.00042)	ND (0.0004)	ND (0.00048)	ND (0.00044)	ND (0.00046)	ND (0.00044)	ND (0.00045)	ND (0.00043)	ND (0.00021)	ND (0.00044)	ND (0.00047)	ND (0.00047)
2-Butanone (Methyl Ethyl Ketone)	ND (0.0029)	ND (0.0027)	ND (0.0033)	ND (0.003)	ND (0.0032)	ND (0.003)	ND (0.0031)	ND (0.003)	ND (0.0014)	ND (0.003)	ND (0.0032)	ND (0.0032)
2-Phenylbutane (sec-Butylbenzene)	ND (0.00044)	ND (0.00042)	ND (0.00051)	ND (0.00046)	ND (0.00049)	ND (0.00046)	ND (0.00047)	ND (0.00045)	ND (0.00022)	ND (0.00046)	ND (0.00049)	ND (0.0005)
Acetone	ND (0.0047)	ND (0.31)	ND (0.0055)	ND (0.005)	ND (0.0053)	**0.048**	ND (0.0051)	ND (0.0049)	ND (0.0024)	ND (0.005)	ND (0.0053)	ND (0.0054)
Benzene	ND (0.000098)	ND (0.000094)	ND (0.00011)	ND (0.0001)	ND (0.00011)	ND (0.0001)	ND (0.00011)	ND (0.0001)	ND (0.000049)	**0.00094**	ND (0.00011)	**0.00092**
Carbon disulfide	ND (0.00023)	ND (0.00022)	ND (0.00027)	ND (0.00024)	ND (0.00026)	ND (0.00024)	ND (0.00025)	ND (0.00024)	ND (0.00012)	ND (0.00025)	ND (0.00026)	ND (0.00026)
cis-1,2-Dichloroethene	ND (0.00021)	ND (0.0002)	ND (0.00025)	ND (0.00022)	ND (0.00024)	ND (0.00022)	ND (0.00023)	ND (0.00022)	ND (0.00011)	ND (0.00022)	ND (0.00024)	ND (0.00024)
Cymene (p-Isopropyltoluene)	ND (0.00048)	ND (0.00046)	ND (0.00055)	ND (0.0005)	ND (0.00053)	ND (0.0005)	ND (0.00051)	ND (0.0005)	ND (0.00024)	ND (0.00051)	ND (0.00054)	ND (0.00054)
Dichlorodifluoromethane (CFC-12)	ND (0.00034)	ND (0.00032)	ND (0.00039)	ND (0.00035)	ND (0.00037)	ND (0.00035)	ND (0.00036)	ND (0.00035)	ND (0.00017)	ND (0.00036)	ND (0.00038)	ND (0.00038)
Ethylbenzene	ND (0.00011)	ND (0.00011)	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.000058)	ND (0.00012)	ND (0.00013)	ND (0.00013)
Isopropylbenzene	ND (0.00041)	ND (0.0004)	ND (0.00048)	ND (0.00044)	ND (0.00046)	ND (0.00043)	ND (0.00044)	ND (0.00043)	ND (0.00021)	ND (0.00044)	ND (0.00046)	ND (0.00047)
m,p-Xylenes	ND (0.0002)	ND (0.00019)	ND (0.00024)	ND (0.00021)	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)	ND (0.0001)	ND (0.00022)	ND (0.00023)	ND (0.00023)
Methylene chloride	ND (0.001)	ND (0.00097)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00051)	ND (0.0011)	ND (0.0011)	ND (0.0011)
n-Propylbenzene	ND (0.00038)	ND (0.00036)	ND (0.00044)	ND (0.0004)	ND (0.00042)	ND (0.0004)	ND (0.00041)	ND (0.0004)	ND (0.00019)	ND (0.0004)	ND (0.00043)	ND (0.00043)
o-Xylene	ND (0.00042)	ND (0.0004)	ND (0.00049)	ND (0.00045)	ND (0.00047)	ND (0.00044)	ND (0.00045)	ND (0.00044)	ND (0.00021)	ND (0.00045)	ND (0.00047)	ND (0.00048)
Styrene	ND (0.00046)	ND (0.00044)	ND (0.00053)	ND (0.00048)	ND (0.00051)	ND (0.00048)	ND (0.00049)	ND (0.00048)	ND (0.00023)	ND (0.00049)	ND (0.00051)	ND (0.00052)
Tetrachloroethene	**0.001**	ND (0.00015)	ND (0.00018)	**0.00088**	**0.0014**	**0.0025**	**0.0015**	**0.0024**	**0.0026**	**0.0017**	**0.0027**	ND (0.00018)
Toluene	ND (0.00039)	ND (0.00037)	ND (0.00045)	ND (0.00041)	ND (0.00043)	ND (0.00041)	ND (0.00042)	ND (0.00041)	ND (0.0002)	**0.00088**	ND (0.00044)	ND (0.00044)
trans-1,2-Dichloroethene	ND (0.00038)	ND (0.00037)	ND (0.00045)	ND (0.0004)	ND (0.00043)	ND (0.0004)	ND (0.00041)	ND (0.0004)	ND (0.00019)	ND (0.00041)	ND (0.00043)	ND (0.00043)
Trichloroethene	ND (0.00023)	ND (0.00022)	ND (0.00026)	ND (0.00024)	ND (0.00025)	ND (0.00024)	ND (0.00024)	ND (0.00024)	ND (0.00011)	ND (0.00024)	ND (0.00026)	ND (0.00026)
Trifluorotrichloroethane (Freon 113)	ND (0.00027)	ND (0.00025)	ND (0.00031)	ND (0.00028)	ND (0.0003)	ND (0.00028)	ND (0.00029)	ND (0.00028)	ND (0.00013)	ND (0.00028)	ND (0.0003)	ND (0.0003)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0342	DP0343	DP0343	DP0344	DP0345	DP0345	DP0345	DP0346	DP0346	DP0346	DP0347	DP0361
Sample Date	05/06/2014	05/12/2014	05/12/2014	05/13/2014	05/12/2014	05/12/2014	05/12/2014	05/13/2014	05/13/2014	05/13/2014	07/18/2014	07/18/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	12 (ft)	2 (ft)	7 (ft)	1 (ft)	1 (ft)	2 (ft)	9 (ft)	1 (ft)	2 (ft)	10 (ft)	8 (ft)	2 (ft)
Sample Name	DP-342-SS-012-01	DP-0343-SS-002-01	DP-0343-SS-007-01	DP-0344-SS-001-01	DP-0345-SS-001-01	DP-0345-SS-002-01	DP-0345-SS-009-01	DP-0346-SS-001-01	DP-0346-SS-002-01	DP-0346-SS-010-01	DP0347-SS-008-01	DP0361-SS-002-01
Inorganic Compounds (mg/kg)												
Antimony	ND (0.147)	ND (0.146)	ND (0.147)	ND (0.143)	ND (0.145)	ND (0.153)	ND (0.149)	ND (0.145)	ND (0.149)	**10.7**	ND (0.149)	-
Arsenic	**5.22**	**0.914**	ND (0.255)	**4.27**	**3.94**	**3.94**	**3.52**	**2.64**	**2.52**	**3.96**	**2.1**	-
Barium	**130**	**73.4**	**75.4**	**101**	**141**	**171**	**128**	**125**	**107**	**150**	-	-
Beryllium	**0.612**	ND (0.134)	ND (0.135)	**0.327**	**0.409**	**0.563**	**0.29**	**0.359**	**0.415**	**0.54**	-	-
Cadmium	**1.21**	**0.77**	ND (0.133)	**0.88**	**1.13**	**1.39**	**1.04**	**0.836**	**0.937**	ND (0.134)	-	-
Chromium	**30.3**	**6.07**	**6.18**	**14.5**	**19**	**24**	**12.2**	**14.4**	**18.3**	**24.8**	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	ND (0.029)	-	**0.92**	**0.55**	**0.85**	-	-
Cobalt	**8.41**	**7.12**	**5.38**	**6.07**	**7.29**	**8.12**	**7.87**	**10.3**	**8.31**	**84.8**	**6.17**	-
Copper	**25.9**	**11.9**	**8.59**	**16.2**	**17.8**	**23.4**	**10.6**	**14.6**	**15.9**	**2940**	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	**3.9**	**0.752**	**0.832**	**4.37**	**3.91**	**4.96**	**1.85**	**12.2**	**3.77**	**4.1**	-	-
Mercury	ND (0.00568)	ND (0.00607)	ND (0.00568)	ND (0.00587)	ND (0.00607)	ND (0.00607)	ND (0.00587)	ND (0.00578)	ND (0.00607)	ND (0.00607)	-	-
Molybdenum	**2.97**	ND (0.129)	ND (0.13)	**1.34**	**2.16**	**1.99**	**2.31**	**1.89**	**1.68**	**2.09**	**3.49**	-
Nickel	**33.9**	**21.6**	**6.51**	**16.4**	**22.2**	**29.7**	**19.5**	**19.3**	**242**	**6090**	-	-
Selenium	ND (0.297)	ND (0.294)	ND (0.295)	ND (0.287)	ND (0.291)	ND (0.307)	ND (0.3)	ND (0.292)	ND (0.3)	ND (0.297)	ND (0.3)	-
Vanadium	**50.9**	**13**	**13.2**	**28**	**36.2**	**41.7**	**26.4**	**27.9**	**33.1**	**41.4**	-	-
Zinc	**66.1**	**50.6**	**20**	**36.9**	**46.5**	**55.7**	**27.2**	**50.1**	**44.4**	**73.6**	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	-	-
Aroclor-1254 (PCB-1254)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	**0.11**	ND (0.012)	ND (0.012)	-	-
Aroclor-1260 (PCB-1260)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	**0.15**	ND (0.011)	ND (0.011)	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	-	-
bis(2-Ethylhexyl)phthalate	ND (0.095)	ND (0.096)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	-	-
Butyl benzylphthalate	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	-	-
Diethyl phthalate	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.00018)	ND (0.00019)	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00018)	ND (0.00019)	ND (0.0002)	ND (0.00018)	ND (0.000096)	-	ND (0.00019)
1,1,2-Trichloroethane	ND (0.00029)	ND (0.00031)	ND (0.00028)	ND (0.00026)	ND (0.00028)	ND (0.00029)	ND (0.0003)	ND (0.00032)	ND (0.00028)	ND (0.00015)	-	ND (0.00079)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0342	DP0343	DP0343	DP0344	DP0345	DP0345	DP0345	DP0346	DP0346	DP0346	DP0347	DP0361
Sample Date	05/06/2014	05/12/2014	05/12/2014	05/13/2014	05/12/2014	05/12/2014	05/12/2014	05/13/2014	05/13/2014	05/13/2014	07/18/2014	07/18/2014
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	12 (ft)	2 (ft)	7 (ft)	1 (ft)	1 (ft)	2 (ft)	9 (ft)	1 (ft)	2 (ft)	10 (ft)	8 (ft)	2 (ft)
Sample Name	DP-342-SS-012-01	DP-0343-SS-002-01	DP-0343-SS-007-01	DP-0344-SS-001-01	DP-0345-SS-001-01	DP-0345-SS-002-01	DP-0345-SS-009-01	DP-0346-SS-001-01	DP-0346-SS-002-01	DP-0346-SS-010-01	DP0347-SS-008-01	DP0361-SS-002-01
1,1-Dichloroethane	ND (0.00017)	ND (0.00018)	**0.0023**	ND (0.00016)	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00019)	ND (0.00017)	ND (0.000091)	-	ND (0.00083)
1,1-Dichloroethene	ND (0.00028)	ND (0.0003)	**0.0023**	ND (0.00026)	ND (0.00028)	ND (0.00028)	ND (0.00029)	ND (0.00031)	ND (0.00027)	ND (0.00015)	-	ND (0.00029)
1,2,3-Trichloropropane	ND (0.00067)	ND (0.00072)	ND (0.00066)	ND (0.00062)	ND (0.00066)	ND (0.00068)	ND (0.0007)	ND (0.00074)	ND (0.00065)	ND (0.00036)	-	ND (0.00057)
1,2,4-Trimethylbenzene	ND (0.00048)	ND (0.00051)	ND (0.00047)	ND (0.00044)	ND (0.00047)	ND (0.00048)	ND (0.0005)	ND (0.00052)	ND (0.00046)	ND (0.00025)	-	ND (0.00049)
1,2-Dichloroethane	ND (0.00025)	ND (0.00027)	ND (0.00025)	ND (0.00023)	ND (0.00025)	ND (0.00026)	ND (0.00027)	ND (0.00028)	ND (0.00025)	ND (0.00013)	-	ND (0.00026)
1,3,5-Trimethylbenzene	ND (0.00044)	ND (0.00047)	ND (0.00044)	ND (0.00041)	ND (0.00044)	ND (0.00045)	ND (0.00046)	ND (0.00049)	ND (0.00043)	ND (0.00024)	-	ND (0.00045)
2-Butanone (Methyl Ethyl Ketone)	ND (0.0031)	ND (0.0033)	ND (0.003)	ND (0.0028)	ND (0.003)	ND (0.0031)	ND (0.0032)	ND (0.0034)	ND (0.0029)	ND (0.0016)	-	**0.011 J**
2-Phenylbutane (sec-Butylbenzene)	ND (0.00047)	ND (0.0005)	ND (0.00046)	ND (0.00043)	ND (0.00046)	ND (0.00047)	ND (0.00049)	ND (0.00051)	ND (0.00045)	ND (0.00025)	-	ND (0.00048)
Acetone	ND (0.0051)	ND (0.0054)	ND (0.005)	ND (0.0047)	ND (0.005)	ND (0.0051)	ND (0.0053)	ND (0.0056)	ND (0.0049)	ND (0.0027)	-	**0.047**
Benzene	ND (0.00011)	ND (0.00011)	ND (0.0001)	ND (0.000097)	ND (0.0001)	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.0001)	ND (0.000056)	-	**0.00039 J**
Carbon disulfide	ND (0.00025)	ND (0.00026)	ND (0.00024)	ND (0.00023)	ND (0.00024)	ND (0.00025)	ND (0.00026)	ND (0.00027)	ND (0.00024)	ND (0.00013)	-	ND (0.00025)
cis-1,2-Dichloroethene	ND (0.00023)	ND (0.00024)	ND (0.00022)	ND (0.00021)	ND (0.00022)	ND (0.00023)	ND (0.00024)	ND (0.00025)	ND (0.00022)	ND (0.00012)	-	ND (0.00023)
Cymene (p-Isopropyltoluene)	ND (0.00051)	ND (0.00054)	ND (0.0005)	ND (0.00047)	ND (0.0005)	ND (0.00051)	ND (0.00053)	ND (0.00056)	ND (0.00049)	ND (0.00027)	-	ND (0.00052)
Dichlorodifluoromethane (CFC-12)	ND (0.00036)	ND (0.00038)	ND (0.00035)	ND (0.00033)	ND (0.00035)	ND (0.00036)	ND (0.00037)	ND (0.0004)	ND (0.00035)	ND (0.00019)	-	ND (0.00037)
Ethylbenzene	ND (0.00012)	ND (0.00013)	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00012)	ND (0.000065)	-	ND (0.00013)
Isopropylbenzene	ND (0.00044)	ND (0.00047)	ND (0.00043)	ND (0.00041)	ND (0.00044)	ND (0.00045)	ND (0.00046)	ND (0.00049)	ND (0.00043)	ND (0.00023)	-	ND (0.00045)
m,p-Xylenes	ND (0.00022)	ND (0.00023)	ND (0.00021)	ND (0.0002)	ND (0.00021)	ND (0.00022)	ND (0.00023)	ND (0.00024)	ND (0.00021)	ND (0.00011)	-	ND (0.00022)
Methylene chloride	ND (0.0011)	ND (0.0012)	ND (0.0011)	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.001)	ND (0.00057)	-	ND (0.0011)
n-Propylbenzene	ND (0.00041)	ND (0.00043)	ND (0.0004)	ND (0.00037)	ND (0.0004)	ND (0.00041)	ND (0.00042)	ND (0.00045)	ND (0.00039)	ND (0.00022)	-	ND (0.00042)
o-Xylene	ND (0.00045)	ND (0.00048)	ND (0.00044)	ND (0.00042)	ND (0.00044)	ND (0.00045)	ND (0.00047)	ND (0.0005)	ND (0.00043)	ND (0.00024)	-	ND (0.00046)
Styrene	ND (0.00049)	ND (0.00052)	ND (0.00048)	ND (0.00045)	ND (0.00048)	ND (0.00049)	ND (0.00051)	ND (0.00054)	ND (0.00047)	ND (0.00026)	-	ND (0.0005)
Tetrachloroethene	**0.0029**	ND (0.00018)	ND (0.00017)	**0.0012**	ND (0.00017)	ND (0.00017)	ND (0.00018)	**0.001**	ND (0.00016)	ND (0.00009)	-	**0.012**
Toluene	ND (0.00042)	ND (0.00045)	ND (0.00041)	ND (0.00038)	ND (0.00041)	ND (0.00042)	ND (0.00044)	ND (0.00046)	ND (0.0004)	ND (0.00022)	-	ND (0.00043)
trans-1,2-Dichloroethene	ND (0.00041)	ND (0.00044)	ND (0.0004)	ND (0.00038)	ND (0.0004)	ND (0.00041)	ND (0.00043)	ND (0.00045)	ND (0.0004)	ND (0.00022)	-	ND (0.00042)
Trichloroethene	ND (0.00024)	ND (0.00026)	ND (0.00024)	ND (0.00022)	ND (0.00024)	ND (0.00025)	ND (0.00025)	ND (0.00027)	ND (0.00023)	ND (0.00013)	-	ND (0.00025)
Trifluorotrichloroethane (Freon 113)	ND (0.00029)	ND (0.0003)	ND (0.00028)	ND (0.00026)	ND (0.00028)	ND (0.00029)	ND (0.0003)	ND (0.00031)	ND (0.00027)	ND (0.00015)	-	ND (0.00029)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0365	DP0366	DP0366	DP0366	DP0368	DP0370	DP0370	DP0370	EX01-BT-N	EX01-BT-S	EX01-SW-N	EX02-BT3	EX02-BT4
Sample Date	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/17/2014	09/17/2007	09/17/2007	09/17/2007	09/25/2007	09/25/2007
Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2 (ft)	2 (ft)	2 (ft)	12 (ft)	2 (ft)	2 (ft)	5 (ft)	10 (ft)	2 (ft)	2 (ft)	1.5 (ft)	4 (ft)	4 (ft)
Sample Name	DP0365-SS-002-01	DP0366-SS-002-01	DP0366-SS-012-02	DP0366-SS-012-01	DP0368-SS-002-01	DP0370-SS-002-01	DP0370-SS-005-01	DP0370-SS-010-01	EX01-BT-N-SS-020	EX01-BT-S-SS-020	EX01-SW-N-SS-015	EX02-BT3-040	EX02-BT4-040
Inorganic Compounds (mg/kg)													
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	**6.95**	**7.35**
Copper	-	-	-	-	-	-	-	-	**9.1**	**6.25**	**8.65**	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	ND (0.1)	ND (0.1)
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	**11.8**	**6.75**	**10.8**	**24.1**	**25.9**
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)													
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)													
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)													
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	ND (0.00019)	ND (0.00018)	ND (0.00018)	ND (0.00025)	**0.0012**	ND (0.00018)	ND (0.00018)	ND (0.00019)	-	-	-	-	-
1,1,2-Trichloroethane	ND (0.00079)	ND (0.00078)	ND (0.00077)	ND (0.0011)	ND (0.00078)	ND (0.00075)	ND (0.00077)	ND (0.0008)	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0365	DP0366	DP0366	DP0366	DP0368	DP0370	DP0370	DP0370	EX01-BT-N	EX01-BT-S	EX01-SW-N	EX02-BT3	EX02-BT4
Sample Date	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/17/2014	07/17/2014	09/17/2007	09/17/2007	09/17/2007	09/25/2007	09/25/2007
Sample Type	N	N	FD	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2 (ft)	2 (ft)	2 (ft)	12 (ft)	2 (ft)	2 (ft)	5 (ft)	10 (ft)	2 (ft)	2 (ft)	1.5 (ft)	4 (ft)	4 (ft)
Sample Name	DP0365-SS-002-01	DP0366-SS-002-01	DP0366-SS-012-02	DP0366-SS-012-01	DP0368-SS-002-01	DP0370-SS-002-01	DP0370-SS-005-01	DP0370-SS-010-01	EX01-BT-N-SS-020	EX01-BT-S-SS-020	EX01-SW-N-SS-015	EX02-BT3-040	EX02-BT4-040
1,1-Dichloroethane	ND (0.00083)	ND (0.00082)	ND (0.00081)	ND (0.0011)	ND (0.00082)	ND (0.00078)	ND (0.00081)	ND (0.00085)	-	-	-	-	-
1,1-Dichloroethene	ND (0.00029)	ND (0.00028)	ND (0.00028)	ND (0.00039)	ND (0.00028)	ND (0.00027)	ND (0.00028)	ND (0.00029)	-	-	-	-	-
1,2,3-Trichloropropane	ND (0.00057)	ND (0.00056)	ND (0.00056)	ND (0.00077)	ND (0.00056)	ND (0.00054)	ND (0.00056)	ND (0.00058)	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.00049)	ND (0.00048)	ND (0.00048)	ND (0.00066)	ND (0.00048)	ND (0.00046)	ND (0.00048)	ND (0.0005)	-	-	-	-	-
1,2-Dichloroethane	ND (0.00026)	ND (0.00026)	ND (0.00025)	ND (0.00035)	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00027)	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.00045)	ND (0.00045)	ND (0.00045)	ND (0.00062)	ND (0.00045)	ND (0.00043)	ND (0.00045)	ND (0.00046)	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ND (0.0031)	ND (0.0031)	ND (0.0031)	ND (0.0043)	**0.015 J**	ND (0.003)	ND (0.0031)	ND (0.0032)	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.00048)	ND (0.00047)	ND (0.00047)	ND (0.00065)	ND (0.00047)	ND (0.00045)	ND (0.00047)	ND (0.00049)	-	-	-	-	-
Acetone	**0.018 J**	**0.022 J**	**0.012 J**	**0.019 J**	**0.082**	**0.015 J**	**0.015 J**	**0.0086 J**	-	-	-	-	-
Benzene	**0.00078 J**	**0.001**	**0.0011**	**0.0018**	**0.00091**	**0.00068 J**	**0.00076 J**	**0.00091**	-	-	-	-	-
Carbon disulfide	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00035)	ND (0.00025)	ND (0.00024)	ND (0.00025)	ND (0.00026)	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.00023)	ND (0.00023)	ND (0.00023)	ND (0.00032)	ND (0.00023)	ND (0.00022)	ND (0.00023)	ND (0.00024)	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.00052)	ND (0.00051)	ND (0.00051)	ND (0.00071)	ND (0.00051)	ND (0.00049)	ND (0.00051)	ND (0.00053)	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ND (0.00037)	ND (0.00036)	ND (0.00036)	ND (0.0005)	ND (0.00036)	ND (0.00035)	ND (0.00036)	ND (0.00038)	-	-	-	-	-
Ethylbenzene	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00017)	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00013)	-	-	-	-	-
Isopropylbenzene	ND (0.00045)	ND (0.00045)	ND (0.00044)	ND (0.00062)	ND (0.00045)	ND (0.00043)	ND (0.00044)	ND (0.00046)	-	-	-	-	-
m,p-Xylenes	ND (0.00022)	ND (0.00022)	**0.0004 J**	**0.00044 J**	ND (0.00022)	ND (0.00021)	ND (0.00022)	ND (0.00023)	-	-	-	-	-
Methylene chloride	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0015)	ND (0.0011)	ND (0.0011)	**0.0013 J**	ND (0.0011)	-	-	-	-	-
n-Propylbenzene	ND (0.00042)	ND (0.00041)	ND (0.00041)	ND (0.00057)	ND (0.00041)	ND (0.00039)	ND (0.00041)	ND (0.00042)	-	-	-	-	-
o-Xylene	ND (0.00046)	ND (0.00045)	ND (0.00045)	ND (0.00063)	ND (0.00045)	ND (0.00044)	ND (0.00045)	ND (0.00047)	-	-	-	-	-
Styrene	ND (0.0005)	ND (0.00049)	ND (0.00049)	ND (0.00068)	ND (0.00049)	ND (0.00047)	ND (0.00049)	ND (0.00051)	-	-	-	-	-
Tetrachloroethene	**0.035**	**0.061**	**0.01**	**0.016**	**0.0032**	**0.0019**	**0.00041 J**	**0.0018**	-	-	-	-	-
Toluene	ND (0.00043)	**0.00051 J**	**0.0008 J**	**0.0011**	ND (0.00042)	**0.00041 J**	ND (0.00042)	**0.00059 J**	-	-	-	-	-
trans-1,2-Dichloroethene	ND (0.00042)	ND (0.00041)	ND (0.00041)	ND (0.00057)	ND (0.00041)	ND (0.0004)	ND (0.00041)	ND (0.00043)	-	-	-	-	-
Trichloroethene	ND (0.00025)	ND (0.00025)	ND (0.00024)	ND (0.00034)	**0.0032**	ND (0.00024)	ND (0.00024)	ND (0.00025)	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.0004)	ND (0.00029)	ND (0.00028)	ND (0.00029)	ND (0.0003)	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX02-BT-N	EX02-SW-N3	EX02-SW-N4	EX02-SW-S	EX02-SW-S1	EX02-SW-W	EX02-SW-W1	EX03-CONF01-SWW	EX03-CONF02-SWN	EX03-CONF05-BT	EX03-CONF06-SWS
Sample Date	09/17/2007	09/25/2007	09/25/2007	09/17/2007	09/21/2007	09/17/2007	09/21/2007	09/18/2007	09/20/2007	09/20/2007	09/20/2007
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	2 (ft)	2 (ft)	1.5 (ft)	1 (ft)	1.5 (ft)	2 (ft)	6 (ft)	6 (ft)	11 (ft)	6 (ft)
Sample Name	EX02-BT-N-SS-030	EX02-SW-N3-020	EX02-SW-N4-020	EX02-SW-S-SS-015	EX02-SW-S1-010	EX02-SW-W-SS-015	EX02-SW-W1-020	EX03-CONF01-SWW-SS-060	EX03-CONF02-SWN-SS-060	EX03-CONF05-BT-SS-110	EX03-CONF06-SWS-SS-060
Inorganic Compounds (mg/kg)											
Antimony	ND (1)	-	-	-	-	-	-	-	-	-	-
Arsenic	**6.4**	-	-	-	-	-	-	-	-	-	-
Barium	**152**	-	-	-	-	-	-	-	-	-	-
Beryllium	ND (1.3)	-	-	-	-	-	-	-	-	-	-
Cadmium	**2.6**	-	-	-	-	-	-	-	-	-	-
Chromium	**19.6**	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-
Cobalt	**7.3**	**4 J**	**5**	-	-	-	-	-	-	-	-
Copper	**23.4**	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-
Lead	**6.65**	-	-	-	-	-	-	-	-	-	-
Mercury	ND (0.1)	ND (0.1)	ND (0.1)	-	-	-	-	-	-	-	-
Molybdenum	**3.15 J**	-	-	-	-	-	-	-	-	-	-
Nickel	**32.6**	**7**	**13**	-	-	-	-	-	-	-	-
Selenium	ND (1)	-	-	-	-	-	-	-	-	-	-
Vanadium	**44**	-	-	-	-	-	-	-	-	-	-
Zinc	**56**	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)											
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)											
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)											
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	**62.2**	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.5)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	ND (5)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	**62.2**	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)											
1,1,1-Trichloroethane	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX02-BT-N	EX02-SW-N3	EX02-SW-N4	EX02-SW-S	EX02-SW-S1	EX02-SW-W	EX02-SW-W1	EX03-CONF01-SWW	EX03-CONF02-SWN	EX03-CONF05-BT	EX03-CONF06-SWS
Sample Date	09/17/2007	09/25/2007	09/25/2007	09/17/2007	09/21/2007	09/17/2007	09/21/2007	09/18/2007	09/20/2007	09/20/2007	09/20/2007
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	2 (ft)	2 (ft)	1.5 (ft)	1 (ft)	1.5 (ft)	2 (ft)	6 (ft)	6 (ft)	11 (ft)	6 (ft)
Sample Name	EX02-BT-N-SS-030	EX02-SW-N3-020	EX02-SW-N4-020	EX02-SW-S-SS-015	EX02-SW-S1-010	EX02-SW-W-SS-015	EX02-SW-W1-020	EX03-CONF01-SWW-SS-060	EX03-CONF02-SWN-SS-060	EX03-CONF05-BT-SS-110	EX03-CONF06-SWS-SS-060
1,1-Dichloroethane	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	-	-	-	-	-	-	-	**0.036**	**0.003**	**0.0065**	**0.011**
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX03-CONF09-SWE	EX03-CONF10-BT	EX03-CONF11-BT	EX03-CONF12-BT	EX03-CONF16-BT	EX03-CONF17-BT	EX03-CONF22-SWN	EX03-CONF23-SWS	EX03-CONF38-SWN
Sample Date	09/20/2007	09/20/2007	09/20/2007	09/20/2007	09/20/2007	09/21/2007	09/21/2007	09/21/2007	09/21/2007
Sample Type	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	2 (ft)	2 (ft)	11 (ft)	11 (ft)	12 (ft)	6 (ft)	7 (ft)	7 (ft)
Sample Name	EX03-CONF09-SWE-SS-060	EX03-CONF10-BT-SS-020	EX03-CONF11-BT-SS-020	EX03-CONF12-BT-SS-110	EX03-CONF16-BT-SS-110	EX03-CONF17-BT-SS-120	EX03-CONF22-SWN-SS-060	EX03-CONF23-SWS-SS-070	EX03-CONF38-SWN-SS-070
Inorganic Compounds (mg/kg)									
Antimony	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)									
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)									
Benzyl Alcohol	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)									
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)									
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX03-CONF09-SWE	EX03-CONF10-BT	EX03-CONF11-BT	EX03-CONF12-BT	EX03-CONF16-BT	EX03-CONF17-BT	EX03-CONF22-SWN	EX03-CONF23-SWS	EX03-CONF38-SWN
Sample Date	09/20/2007	09/20/2007	09/20/2007	09/20/2007	09/20/2007	09/21/2007	09/21/2007	09/21/2007	09/21/2007
Sample Type	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	2 (ft)	2 (ft)	11 (ft)	11 (ft)	12 (ft)	6 (ft)	7 (ft)	7 (ft)
Sample Name	EX03-CONF09-SWE-SS-060	EX03-CONF10-BT-SS-020	EX03-CONF11-BT-SS-020	EX03-CONF12-BT-SS-110	EX03-CONF16-BT-SS-110	EX03-CONF17-BT-SS-120	EX03-CONF22-SWN-SS-060	EX03-CONF23-SWS-SS-070	EX03-CONF38-SWN-SS-070
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	**0.038**	**0.009**	**0.0088**	**0.064**	**0.0038**	**0.06**	**0.07**	**0.027**	**0.093**
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX03-CONF41-SWE	EX03-CONF47-SWE	EX03-CONF48-SWE	EX04-CONF01-BTE	EX04-CONF02-BTS	EX04-CONF03-BTS	EX04-CONF04-BTS	EX04-CONF05-SWE
Sample Date	09/24/2007	09/24/2007	09/24/2007	09/18/2007	09/18/2007	09/18/2007	09/18/2007	09/18/2007
Sample Type	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	6 (ft)	10 (ft)	6 (ft)	4 (ft)	4 (ft)	4 (ft)	4 (ft)
Sample Name	EX03-CONF41-SWE-SS-060	EX03-CONF47-SWE-SS-060	EX03-CONF48-SWE-SS-100	EX04-CONF01-BTE-SS-060	EX04-CONF02-BTS-SS-040	EX04-CONF03-BTS-SS-040	EX04-CONF04-BTS-SS-040	EX04-CONF05-SWE-SS-040
Inorganic Compounds (mg/kg)								
Antimony	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-
PCBs (mg/kg)								
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)								
Benzyl Alcohol	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)								
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)								
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX03-CONF41-SWE	EX03-CONF47-SWE	EX03-CONF48-SWE	EX04-CONF01-BTE	EX04-CONF02-BTS	EX04-CONF03-BTS	EX04-CONF04-BTS	EX04-CONF05-SWE
Sample Date	09/24/2007	09/24/2007	09/24/2007	09/18/2007	09/18/2007	09/18/2007	09/18/2007	09/18/2007
Sample Type	N	N	N	N	N	N	N	N
Sample Depth (bgs)	6 (ft)	6 (ft)	10 (ft)	6 (ft)	4 (ft)	4 (ft)	4 (ft)	4 (ft)
Sample Name	EX03-CONF41-SWE-SS-060	EX03-CONF47-SWE-SS-060	EX03-CONF48-SWE-SS-100	EX04-CONF01-BTE-SS-060	EX04-CONF02-BTS-SS-040	EX04-CONF03-BTS-SS-040	EX04-CONF04-BTS-SS-040	EX04-CONF05-SWE-SS-040
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.0062**	ND (0.001)	ND (0.001)	**0.016**
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	**0.031**	**0.029**	**0.07**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX04-CONF06-SWS	EX04-CONF07-SWS	EX04-CONF08-SWS	EX04-CONF09-SWW	EX04-CONF10-BTS	EX04-CONF11-BTS	EX04-CONF12-BTS	EX04-CONF13-BTS
Sample Date	09/18/2007	09/18/2007	09/18/2007	09/18/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007
Sample Type	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3.5 (ft)	3.5 (ft)	3.5 (ft)	3.5 (ft)	4 (ft)	5.5 (ft)	7 (ft)	7 (ft)
Sample Name	EX04-CONF06-SWS-SS-035	EX04-CONF07-SWS-SS-035	EX04-CONF08-SWS-SS-035	EX04-CONF09-SWW-SS-035	EX04-CONF10-BTS-SS-040	EX04-CONF11-BTS-SS-055	EX04-CONF12-BTS-SS-070	EX04-CONF13-BTS-SS-070
Inorganic Compounds (mg/kg)								
Antimony	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-
PCBs (mg/kg)								
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)								
Benzyl Alcohol	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)								
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)								
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX04-CONF06-SWS	EX04-CONF07-SWS	EX04-CONF08-SWS	EX04-CONF09-SWW	EX04-CONF10-BTS	EX04-CONF11-BTS	EX04-CONF12-BTS	EX04-CONF13-BTS
Sample Date	09/18/2007	09/18/2007	09/18/2007	09/18/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007
Sample Type	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3.5 (ft)	3.5 (ft)	3.5 (ft)	3.5 (ft)	4 (ft)	5.5 (ft)	7 (ft)	7 (ft)
Sample Name	EX04-CONF06-SWS-SS-035	EX04-CONF07-SWS-SS-035	EX04-CONF08-SWS-SS-035	EX04-CONF09-SWW-SS-035	EX04-CONF10-BTS-SS-040	EX04-CONF11-BTS-SS-055	EX04-CONF12-BTS-SS-070	EX04-CONF13-BTS-SS-070
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	**0.01**	**0.002**	**0.0017**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX04-CONF14-BTW	EX04-CONF15-SWS	EX04-CONF16-BTC	EX04-CONF17-BTE	EX04-CONF18-BTW	EX04-CONF19-BTN	EX04-CONF20-BTN	EX04-CONF21-SWS
Sample Date	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007
Sample Type	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4 (ft)	6.5 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	8.5 (ft)
Sample Name	EX04-CONF14-BTW-SS-040	EX04-CONF15-SWS-SS-065	EX04-CONF16-BTC-SS-090	EX04-CONF17-BTE-SS-090	EX04-CONF18-BTW-SS-090	EX04-CONF19-BTN-SS-090	EX04-CONF20-BTN-SS-090	EX04-CONF21-SWS-SS-085
Inorganic Compounds (mg/kg)								
Antimony	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-
PCBs (mg/kg)								
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)								
Benzyl Alcohol	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)								
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)								
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX04-CONF14-BTW	EX04-CONF15-SWS	EX04-CONF16-BTC	EX04-CONF17-BTE	EX04-CONF18-BTW	EX04-CONF19-BTN	EX04-CONF20-BTN	EX04-CONF21-SWS
Sample Date	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007
Sample Type	N	N	N	N	N	N	N	N
Sample Depth (bgs)	4 (ft)	6.5 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	9 (ft)	8.5 (ft)
Sample Name	EX04-CONF14-BTW-SS-040	EX04-CONF15-SWS-SS-065	EX04-CONF16-BTC-SS-090	EX04-CONF17-BTE-SS-090	EX04-CONF18-BTW-SS-090	EX04-CONF19-BTN-SS-090	EX04-CONF20-BTN-SS-090	EX04-CONF21-SWS-SS-085
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.001)	ND (0.001)	**0.0052**	**0.0097**	ND (0.001)	**0.0056**	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX04-CONF22-SWN	EX04-CONF23-SWW	EX04-CONF24-SWE	EX04-CONF25-BTN	EX04-CONF26-SWW	EX04-CONF27-SWW	EX04-CONF28-BTW	EX04-CONF29-BTW
Sample Date	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007
Sample Type	N	N	N	N	N	N	N	N
Sample Depth (bgs)	8.5 (ft)	8.5 (ft)	8.5 (ft)	7 (ft)	3 (ft)	3 (ft)	4.5 (ft)	4.5 (ft)
Sample Name	EX04-CONF22-SWN-SS-085	EX04-CONF23-SWW-SS-085	EX04-CONF24-SWE-SS-085	EX04-CONF25-BTN-SS-070	EX04-CONF26-SWW-SS-030	EX04-CONF27-SWW-SS-030	EX04-CONF28-BTW-SS-045	EX04-CONF29-BTW-SS-045
Inorganic Compounds (mg/kg)								
Antimony	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-
PCBs (mg/kg)								
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)								
Benzyl Alcohol	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)								
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)								
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX04-CONF22-SWN	EX04-CONF23-SWW	EX04-CONF24-SWE	EX04-CONF25-BTN	EX04-CONF26-SWW	EX04-CONF27-SWW	EX04-CONF28-BTW	EX04-CONF29-BTW
Sample Date	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007	09/19/2007
Sample Type	N	N	N	N	N	N	N	N
Sample Depth (bgs)	8.5 (ft)	8.5 (ft)	8.5 (ft)	7 (ft)	3 (ft)	3 (ft)	4.5 (ft)	4.5 (ft)
Sample Name	EX04-CONF22-SWN-SS-085	EX04-CONF23-SWW-SS-085	EX04-CONF24-SWE-SS-085	EX04-CONF25-BTN-SS-070	EX04-CONF26-SWW-SS-030	EX04-CONF27-SWW-SS-030	EX04-CONF28-BTW-SS-045	EX04-CONF29-BTW-SS-045
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	**0.0012**	ND (0.001)	ND (0.001)	ND (0.001)	**0.0037**	**0.0066**	ND (0.001)	**0.0075**
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX04-CONF30-SWW	EX04-CONF31-BTN	EX04-CONF32-SWN	EX04-CONF33-SWN	EX04-CONF34-BTE	EX04-CONF35-BTE	EX04-CONF36-BTS	EX04-CONF37-SWN
Sample Date	09/19/2007	09/19/2007	09/19/2007	09/20/2007	09/20/2007	09/20/2007	09/20/2007	09/20/2007
Sample Type	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2.5 (ft)	4.5 (ft)	2.5 (ft)	3 (ft)	5 (ft)	6 (ft)	7 (ft)	5 (ft)
Sample Name	EX04-CONF30-SWW-SS-025	EX04-CONF31-BTN-SS-045	EX04-CONF32-SWN-SS-025	EX04-CONF33-SWN-SS-030	EX04-CONF34-BTE-SS-050	EX04-CONF35-BTE-SS-060	EX04-CONF36-BTS-SS-070	EX04-CONF37-SWN-SS-050
Inorganic Compounds (mg/kg)								
Antimony	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-
PCBs (mg/kg)								
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)								
Benzyl Alcohol	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)								
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)								
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX04-CONF30-SWW	EX04-CONF31-BTN	EX04-CONF32-SWN	EX04-CONF33-SWN	EX04-CONF34-BTE	EX04-CONF35-BTE	EX04-CONF36-BTS	EX04-CONF37-SWN
Sample Date	09/19/2007	09/19/2007	09/19/2007	09/20/2007	09/20/2007	09/20/2007	09/20/2007	09/20/2007
Sample Type	N	N	N	N	N	N	N	N
Sample Depth (bgs)	2.5 (ft)	4.5 (ft)	2.5 (ft)	3 (ft)	5 (ft)	6 (ft)	7 (ft)	5 (ft)
Sample Name	EX04-CONF30-SWW-SS-025	EX04-CONF31-BTN-SS-045	EX04-CONF32-SWN-SS-025	EX04-CONF33-SWN-SS-030	EX04-CONF34-BTE-SS-050	EX04-CONF35-BTE-SS-060	EX04-CONF36-BTS-SS-070	EX04-CONF37-SWN-SS-050
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	**0.013**	**0.0048**	**0.0093**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX04-CONF38-SWE	EX04-CONF39-BTN	EX04-CONF40-BTW	F-11TE	F-11TW	GS0001	GS0002	GS0005	GS0005	GS0005	GS0006	GS0006	GS0006
Sample Date	09/20/2007	09/20/2007	09/20/2007	04/08/1992	04/08/1992	11/17/2005	11/21/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	4.5 (ft)	4.5 (ft)	5.01 (ft)	5 (ft)	6 - 6.5 (ft)	7 - 7.5 (ft)	0 - 0.5 (ft)	0.6 - 1 (ft)	1.3 - 1.6 (ft)	0 - 0.5 (ft)	0.6 - 1 (ft)	1.3 - 1.6 (ft)
Sample Name	EX04-CONF38-SWE-SS-030	EX04-CONF39-BTN-SS-045	EX04-CONF40-BTW-SS-045	TANK EAST	TANK WEST	GS001-SS-01	GS002-SS-01	GS005-SS-00-01	GS005-SS-01-01	GS005-SS-02-01	GS006-SS-00-01	GS006-SS-01-01	GS006-SS-02-01
Inorganic Compounds (mg/kg)													
Antimony	-	-	-	-	-	ND (1)	ND (1)	-	-	-	-	-	-
Arsenic	-	-	-	-	-	**2.9 J**	**4.9 J**	-	-	-	-	-	-
Barium	-	-	-	-	-	**159**	**203**	-	-	-	-	-	-
Beryllium	-	-	-	-	-	ND (1.3)	ND (1.3)	-	-	-	-	-	-
Cadmium	-	-	-	-	-	ND (1.3)	ND (1.3)	-	-	-	-	-	-
Chromium	-	-	-	-	-	**20.7**	**17.6**	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	**7.35**	**7.45**	-	-	-	-	-	-
Copper	-	-	-	-	-	**22.1**	**22.4**	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	**3.7 J**	**4 J**	-	-	-	-	-	-
Mercury	-	-	-	-	-	ND (0.1)	ND (0.1)	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	ND (2.5)	ND (2.5)	-	-	-	-	-	-
Nickel	-	-	-	-	-	**24.7**	**23.6**	**12.7**	**5.9**	**13.7**	**9.8**	**8.1**	**10.5**
Selenium	-	-	-	-	-	ND (1)	ND (1)	-	-	-	-	-	-
Vanadium	-	-	-	-	-	**42.7**	**35.6**	-	-	-	-	-	-
Zinc	-	-	-	-	-	**56.5**	**46.4**	-	-	-	-	-	-
PCBs (mg/kg)													
Aroclor-1248 (PCB-1248)	-	-	-	-	-	ND (0.04)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	ND (0.04)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	ND (0.04)	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)													
Benzyl Alcohol	-	-	-	-	-	ND (0.25)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	ND (0.25)	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	ND (0.25)	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	ND (0.25)	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)													
Total Petroleum Hydrocarbons	-	-	-	ND (5)	ND (5)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)													
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	EX04-CONF38-SWE	EX04-CONF39-BTN	EX04-CONF40-BTW	F-11TE	F-11TW	GS0001	GS0002	GS0005	GS0005	GS0005	GS0006	GS0006	GS0006
Sample Date	09/20/2007	09/20/2007	09/20/2007	04/08/1992	04/08/1992	11/17/2005	11/21/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	3 (ft)	4.5 (ft)	4.5 (ft)	5.01 (ft)	5 (ft)	6 - 6.5 (ft)	7 - 7.5 (ft)	0 - 0.5 (ft)	0.6 - 1 (ft)	1.3 - 1.6 (ft)	0 - 0.5 (ft)	0.6 - 1 (ft)	1.3 - 1.6 (ft)
Sample Name	EX04-CONF38-SWE-SS-030	EX04-CONF39-BTN-SS-045	EX04-CONF40-BTW-SS-045	TANK EAST	TANK WEST	GS001-SS-01	GS002-SS-01	GS005-SS-00-01	GS005-SS-01-01	GS005-SS-02-01	GS006-SS-00-01	GS006-SS-01-01	GS006-SS-02-01
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	ND (0.025)	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	ND (0.025)	-	-	-	-	-	-	-
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.1)	ND (0.1)	ND (0.002)	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	ND (0.025)	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.015)	-	-	-	-	-	-	-
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.002)	-	-	-	-	-	-	-
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	ND (0.002)	-	-	-	-	-	-	-
Methylene chloride	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.025)	-	-	-	-	-	-	-
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	ND (0.002)	-	-	-	-	-	-	-
Styrene	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.001)	**0.0015**	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
Toluene	ND (0.001)	ND (0.001)	ND (0.001)	**0**	ND (0.1)	ND (0.002)	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	-	-	ND (0.005)	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ND (0.001)	ND (0.001)	ND (0.001)	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	**0**	ND (0.1)	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	GS0007	GS0007	GS0007	GS0007	GS0008	GS0008	GS0008	GS0009	GS0010	GS0015	GS0015	SB-001-007	SB-001-007	SB-001-007
Sample Date	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	12/01/2005	12/01/2005	12/14/2005	12/20/2005	01/18/1997	01/18/1997	01/18/1997
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0 - 0.5 (ft)	0 - 0.5 (ft)	0.6 - 1 (ft)	1.3 - 1.6 (ft)	0 - 0.5 (ft)	0.6 - 1 (ft)	1.3 - 1.3 (ft)	3 (ft)	3 (ft)	8 (ft)	15 (ft)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)
Sample Name	GS007-SS-00-01	GS007-SS-00-02	GS007-SS-01-01	GS007-SS-02-01	GS008-SS-00-01	GS008-SS-01-01	GS008-SS-02-01	GS0009-SS-03-01	GS0010-SS-03-01	GS0015-SS-008-01	GS0015-SS-15-01	SB-001-007-1	SB-001-007-6	SB-001-007-12
Inorganic Compounds (mg/kg)														
Antimony	-	-	-	-	-	-	-	ND (1)	ND (1)	ND (1)	-	-	-	-
Arsenic	-	-	-	-	-	-	-	**3.75 J**	**3.05 J**	**4.05 J**	-	-	-	-
Barium	-	-	-	-	-	-	-	**133**	**111**	**144**	-	-	-	-
Beryllium	-	-	-	-	-	-	-	ND (1.3)	ND (1.3)	ND (1.3)	-	-	-	-
Cadmium	-	-	-	-	-	-	-	**2.05 J**	**1.75 J**	ND (1.3)	-	-	-	-
Chromium	-	-	-	-	-	-	-	**19**	**19.5**	**18.7**	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	**7.25**	**6.6**	**6.9**	-	-	-	-
Copper	-	-	-	-	-	-	-	**31.8**	**23.5**	**21.6**	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	**7.35**	**6.95**	**3.85 J**	-	-	-	-
Mercury	-	-	-	-	-	-	-	ND (0.1)	ND (0.1)	ND (0.1)	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	ND (2.5)	ND (2.5)	ND (2.5)	-	-	-	-
Nickel	**15.3**	**9.1**	**7.15**	**21.9**	**6.2**	**17.6**	**18.4**	**20.8**	**21.1**	**22**	-	-	-	-
Selenium	-	-	-	-	-	-	-	ND (1)	ND (1)	ND (1)	-	-	-	-
Vanadium	-	-	-	-	-	-	-	**39.1**	**40.7**	**38.3**	-	-	-	-
Zinc	-	-	-	-	-	-	-	**87.4**	**52.5**	**48.7**	-	-	-	-
PCBs (mg/kg)														
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	ND (0.04)	ND (0.04)	ND (0.04)	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)														
Benzyl Alcohol	-	-	-	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	ND (0.25)	ND (0.25)	ND (0.25)	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)														
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	**264**	ND (5)	ND (5)	ND (5)	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	ND (0.5)	ND (0.5)	ND (0.05)	ND (0.05)	ND (0.05)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	**24.9**	ND (5)	ND (5)	ND (5)	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	**239**	ND (5)	ND (5)	ND (5)	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)														
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	GS0007	GS0007	GS0007	GS0007	GS0008	GS0008	GS0008	GS0009	GS0010	GS0015	GS0015	SB-001-007	SB-001-007	SB-001-007
Sample Date	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	11/30/2005	12/01/2005	12/01/2005	12/14/2005	12/20/2005	01/18/1997	01/18/1997	01/18/1997
Sample Type	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	0 - 0.5 (ft)	0 - 0.5 (ft)	0.6 - 1 (ft)	1.3 - 1.6 (ft)	0 - 0.5 (ft)	0.6 - 1 (ft)	1.3 - 1.3 (ft)	3 (ft)	3 (ft)	8 (ft)	15 (ft)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)
Sample Name	GS007-SS-00-01	GS007-SS-00-02	GS007-SS-01-01	GS007-SS-02-01	GS008-SS-00-01	GS008-SS-01-01	GS008-SS-02-01	GS0009-SS-03-01	GS0010-SS-03-01	GS0015-SS-008-01	GS0015-SS-15-01	SB-001-007-1	SB-001-007-6	SB-001-007-12
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	-	-	-	-	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	-	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	-	-	-	-	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.001)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	ND (0.015)	ND (0.015)	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	-	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.002)	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	ND (0.025)	ND (0.025)	ND (0.004)	ND (0.004)	ND (0.004)
n-Propylbenzene	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.002)	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	-	-	-	-	-	-	-	-	-	**0.0117**	ND (0.005)	ND (0.001)	**0.0035**	**0.0029**
Toluene	-	-	-	-	-	-	-	-	-	ND (0.002)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	-	-	-	-	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	ND (0.004)	**0.004**	**0.008**
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SB-001-008	SB-001-008	SB-001-008	SB-001-013	SB-001-013	SB-001-014	SB-001-014	SB-001-014	SB-001-015	SB-001-015	SB-001-015	SB-001-022	SB-001-022	SB-001-022	SB-001-022
Sample Date	01/18/1997	01/18/1997	01/18/1997	01/18/1997	01/18/1997	01/18/1997	01/21/1997	01/21/1997	01/18/1997	01/18/1997	01/18/1997	01/18/1997	01/21/1997	01/21/1997	01/21/1997
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)	1 - 2.5 (ft)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)
Sample Name	SB-001-008-1	SB-001-008-6	SB-001-008-12	SB-001-013-6	SB-001-013-12	SB-001-014-1	SB-001-014-6	SB-001-014-12	SB-001-015-1	SB-001-015-6	SB-001-015-12	SB-001-022_01181997_1	SB-001-022_01211997_1	SB-001-022-6	SB-001-022-12
Inorganic Compounds (mg/kg)															
Antimony	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)															
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)															
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)															
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	-	ND (0.05)	ND (0.05)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)															
1,1,1-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
1,1,2-Trichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SB-001-008	SB-001-008	SB-001-008	SB-001-013	SB-001-013	SB-001-014	SB-001-014	SB-001-014	SB-001-015	SB-001-015	SB-001-015	SB-001-022	SB-001-022	SB-001-022	SB-001-022
Sample Date	01/18/1997	01/18/1997	01/18/1997	01/18/1997	01/18/1997	01/18/1997	01/21/1997	01/21/1997	01/18/1997	01/18/1997	01/18/1997	01/18/1997	01/21/1997	01/21/1997	01/21/1997
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)	1 - 2.5 (ft)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)
Sample Name	SB-001-008-1	SB-001-008-6	SB-001-008-12	SB-001-013-6	SB-001-013-12	SB-001-014-1	SB-001-014-6	SB-001-014-12	SB-001-015-1	SB-001-015-6	SB-001-015-12	SB-001-022_01181997_1	SB-001-022_01211997_1	SB-001-022-6	SB-001-022-12
1,1-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
1,1-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
1,2,3-Trichloropropane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
1,2-Dichloroethane	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
1,3,5-Trimethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	ND (0.025)	ND (0.025)	ND (0.025)
2-Phenylbutane (sec-Butylbenzene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
Acetone	**0.041**	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	-	ND (0.025)	ND (0.025)	ND (0.025)
Benzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
Carbon disulfide	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	**0.0029**
cis-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
Cymene (p-Isopropyltoluene)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
Ethylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	-	ND (0.004)	ND (0.004)	ND (0.004)
n-Propylbenzene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	**0.0022**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
Tetrachloroethene	ND (0.001)	**0.012**	**0.0018**	ND (0.001)	ND (0.001)	**0.0011**	**0.0016**	**0.0028**	ND (0.001)	**0.012**	**0.0014**	-	**0.0015**	**0.003**	**0.0017**
Toluene	ND (0.001)	**0.001**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.0014**	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	**0.0014**	ND (0.001)
trans-1,2-Dichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	**0.007**	**0.011**	**0.008**	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	-	ND (0.004)	ND (0.004)	ND (0.004)
Xylene (total)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	-	ND (0.001)	ND (0.001)	ND (0.001)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SB-001-029	SB-001-029	SB-001-029	SB-001-029	SB-001-H22	SB-001-H24	SB-001-J24	SB-001-J24	SB-001-J24	SB-001-J24	SB-001-J25	SB-001-J25
Sample Date	01/18/1997	01/21/1997	01/21/1997	01/21/1997	06/06/1996	06/06/1996	06/06/1996	06/11/1996	06/11/1996	06/11/1996	06/06/1996	06/11/1996
Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	1 - 2.5 (ft)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)	1 (ft)	1 (ft)	1 (ft)	6 (ft)	6 (ft)	12 (ft)	1 (ft)	6 (ft)
Sample Name	SB-001-029_01181997_1	SB-001-029_01211997_1	SB-001-029-6	SB-001-029-12	SB-001-H22_06061996_1	SB-001-H24-1-1	SB-001-J24-1-1	SB-001-J24_06111996_6	SB-001-J24_06111996_6_FD	SB-001-J24-12	SB-001-J25-1-1	SB-001-J25-6
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	ND (10)
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.05)	-	ND (0.05)	ND (0.05)	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	ND (0.001)	ND (0.001)	**0.0028**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SB-001-029	SB-001-029	SB-001-029	SB-001-029	SB-001-H22	SB-001-H24	SB-001-J24	SB-001-J24	SB-001-J24	SB-001-J24	SB-001-J25	SB-001-J25
Sample Date	01/18/1997	01/21/1997	01/21/1997	01/21/1997	06/06/1996	06/06/1996	06/06/1996	06/11/1996	06/11/1996	06/11/1996	06/06/1996	06/11/1996
Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N
Sample Depth (bgs)	1 - 2.5 (ft)	1 - 2.5 (ft)	6 - 7.5 (ft)	12 - 13.5 (ft)	1 (ft)	1 (ft)	1 (ft)	6 (ft)	6 (ft)	12 (ft)	1 (ft)	6 (ft)
Sample Name	SB-001-029_01181997_1	SB-001-029_01211997_1	SB-001-029-6	SB-001-029-12	SB-001-H22_06061996_1	SB-001-H24-1-1	SB-001-J24-1-1	SB-001-J24_06111996_6	SB-001-J24_06111996_6_FD	SB-001-J24-12	SB-001-J25-1-1	SB-001-J25-6
1,1-Dichloroethane	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1-Dichloroethene	-	ND (0.001)	ND (0.001)	**0.0017**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,4-Trimethylbenzene	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
1,2-Dichloroethane	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
2-Butanone (Methyl Ethyl Ketone)	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
2-Phenylbutane (sec-Butylbenzene)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acetone	-	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Benzene	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Carbon disulfide	-	ND (0.001)	ND (0.001)	**0.0012**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
cis-1,2-Dichloroethene	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Cymene (p-Isopropyltoluene)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Dichlorodifluoromethane (CFC-12)	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Ethylbenzene	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Isopropylbenzene	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)
n-Propylbenzene	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Tetrachloroethene	-	ND (0.001)	**0.0017**	**0.005**	ND (0.005)	ND (0.005)	**0.015**	ND (0.005)	ND (0.005)	ND (0.005)	**0.015**	ND (0.005)
Toluene	-	ND (0.001)	ND (0.001)	**0.0015**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
trans-1,2-Dichloroethene	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trichloroethene	-	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Trifluorotrichloroethane (Freon 113)	-	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.02)	ND (0.02)	**0.027**	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Xylene (total)	-	ND (0.001)	ND (0.001)	**0.0012**	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SB-001-J25	SB-004-1	SB-004-1	SB-004-1	SB-038-2	SB-1	SB-1	V01-B1	V01-B1	V01-B1	V01-B2	V01-B2	V01-B2	V01-B3	V01-B3	V01-B3	V01-B4	V01-B4
Sample Date	06/11/1996	06/10/1996	06/13/1996	06/13/1996	06/13/1996	11/28/1988	11/28/1988	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	12 (ft)	1 (ft)	8 (ft)	12 (ft)	8 (ft)	10 - 10.5 (ft)	15 - 15.5 (ft)	1.5 (ft)	5.5 (ft)	10.5 (ft)	1.5 (ft)	5.5 (ft)	10.5 (ft)	1.5 (ft)	5.5 (ft)	10.5 (ft)	1.5 (ft)	5.5 (ft)
Sample Name	SB-001-J25-12	SB-004-1	SB-004-1-8	SB-004-1-12	SB-038-2-8	SB-1-10-10.5_11281988	SB-1-15-15.5_11281988	V01-B1-1.5	V01-B1-5.5	V01-B1-10.5	V01-B2-1.5	V01-B2-5.5	V01-B2-10.5	V01-B3-1.5	V01-B3-5.5	V01-B3-10.5	V01-B4-1.5	V01-B4-5.5
Inorganic Compounds (mg/kg)																		
Antimony	-	-	ND (40)	-	ND (40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	**110**	-	**150**	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	ND (2)	-	ND (2)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	ND (4)	-	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	**19**	-	**19**	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	**6**	-	**6**	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	**14**	-	**17**	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	ND (20)	-	ND (20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	ND (0.2)	-	ND (0.2)	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	ND (40)	-	ND (40)	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	**21**	-	**22**	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	ND (100)	-	ND (100)	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	**41**	-	**37**	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	**42**	-	**45**	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)																		
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																		
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)																		
Total Petroleum Hydrocarbons	ND (10)	-	-	-	-	**36**	**16**	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)																		
1,1,1-Trichloroethane	ND (0.005)	ND (0.005)	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,1,2-Trichloroethane	ND (0.005)	ND (0.005)	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	SB-001-J25	SB-004-1	SB-004-1	SB-004-1	SB-038-2	SB-1	SB-1	V01-B1	V01-B1	V01-B1	V01-B2	V01-B2	V01-B2	V01-B3	V01-B3	V01-B3	V01-B4	V01-B4
Sample Date	06/11/1996	06/10/1996	06/13/1996	06/13/1996	06/13/1996	11/28/1988	11/28/1988	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993	05/08/1993
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	12 (ft)	1 (ft)	8 (ft)	12 (ft)	8 (ft)	10 - 10.5 (ft)	15 - 15.5 (ft)	1.5 (ft)	5.5 (ft)	10.5 (ft)	1.5 (ft)	5.5 (ft)	10.5 (ft)	1.5 (ft)	5.5 (ft)	10.5 (ft)	1.5 (ft)	5.5 (ft)
Sample Name	SB-001-J25-12	SB-004-1	SB-004-1-8	SB-004-1-12	SB-038-2-8	SB-1-10-10.5_11281988	SB-1-15-15.5_11281988	V01-B1-1.5	V01-B1-5.5	V01-B1-10.5	V01-B2-1.5	V01-B2-5.5	V01-B2-10.5	V01-B3-1.5	V01-B3-5.5	V01-B3-10.5	V01-B4-1.5	V01-B4-5.5
1,1-Dichloroethane	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ND (0.005)	ND (0.005)	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,2,3-Trichloropropane	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	ND (0.005)	ND (0.005)	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
1,3,5-Trimethylbenzene	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ND (0.05)	**0.12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (0.005)	ND (0.005)	-	-	-	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Carbon disulfide	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (0.005)	ND (0.005)	-	-	-	ND (0.1)	ND (0.1)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Isopropylbenzene	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ND (0.01)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.005)	ND (0.005)	-	-	-	-	-	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
Toluene	ND (0.005)	ND (0.005)	-	-	-	ND (0.05)	ND (0.05)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
trans-1,2-Dichloroethene	ND (0.005)	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	ND (0.005)	**0.008**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ND (0.02)	ND (0.02)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (0.005)	ND (0.005)	-	-	-	ND (0.1)	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	V01-B4	DP0372	DP0372	DP0372	DP0372	DP0373	DP0373	DP0373	DP0373	DP0374	DP0374	DP0374
Sample Date	05/08/1993	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10.5 (ft)	5 (ft)	9 (ft)	12 (ft)	14 (ft)	5 (ft)	9 (ft)	12 (ft)	14 (ft)	5 (ft)	9 (ft)	12 (ft)
Sample Name	V01-B4-10.5	DP0372-SS-005-01	DP0372-SS-009-01	DP0372-SS-012-01	DP0372-SS-014-01	DP0373-SS-005-01	DP0373-SS-009-01	DP0373-SS-012-01	DP0373-SS-014-01	DP0374-SS-005-01	DP0374-SS-009-01	DP0374-SS-012-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (17)
Aroclor-1254 (PCB-1254)	-	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	ND (17)
Aroclor-1260 (PCB-1260)	-	ND (6.7)	ND (6.7)	ND (6.6)	ND (6.6)	ND (6.7)	ND (6.6)	ND (6.6)	ND (6.7)	ND (6.5)	ND (6.5)	ND (6.6)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	ND (0.1)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	V01-B4	DP0372	DP0372	DP0372	DP0372	DP0373	DP0373	DP0373	DP0373	DP0374	DP0374	DP0374
Sample Date	05/08/1993	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	10.5 (ft)	5 (ft)	9 (ft)	12 (ft)	14 (ft)	5 (ft)	9 (ft)	12 (ft)	14 (ft)	5 (ft)	9 (ft)	12 (ft)
Sample Name	V01-B4-10.5	DP0372-SS-005-01	DP0372-SS-009-01	DP0372-SS-012-01	DP0372-SS-014-01	DP0373-SS-005-01	DP0373-SS-009-01	DP0373-SS-012-01	DP0373-SS-014-01	DP0374-SS-005-01	DP0374-SS-009-01	DP0374-SS-012-01
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	**0.0091**	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ND (0.005)	**0.57**	**0.64**	**0.119**	**0.274**	**0.023**	**0.095**	**0.122**	**0.0911**	**0.0814**	**0.0667**	**0.0439**
Toluene	ND (0.005)	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	**0**	**0.0255**	**0.0136**	**0.0385**	**0.0016 J**	**0.0062**	**0.0086**	**0.0065**	**0.0047 J**	**0.0035 J**	**0.0025 J**
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	ND (0.01)	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0376	DP0376	DP0376	DP0376	DP0376	DP0376	DP0377	DP0377	DP0377	DP0377	DP0377	DP0378
Sample Date	06/25/2015	06/25/2015	06/25/2015	06/26/2015	06/26/2015	06/26/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/26/2015
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	2 (ft)	6.6 (ft)	8.5 (ft)	12.5 (ft)	14 (ft)	1 (ft)	2 (ft)	8.5 (ft)	12.5 (ft)	14 (ft)	2.5 (ft)
Sample Name	DP0376-SS-001-01	DP0376-SS-002-01	DP0376-SS-0066-01	DP0376-SS-0085-01	DP0376-SS-0125-01	DP0376-SS-014-01	DP0377-SS-001-01	DP0377-SS-002-01	DP0377-SS-0085-01	DP0377-SS-0125-01	DP0377-SS-014-01	DP-0378-SS-0025-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	ND (1)	ND (1)	**1.8**	ND (1)	ND (1)	**1.4**	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	**1.1**
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (16)	ND (17)	ND (16)	ND (17)	ND (17)	ND (16)	**91.1**	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)
Aroclor-1254 (PCB-1254)	ND (16)	ND (17)	ND (16)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)
Aroclor-1260 (PCB-1260)	**16.6 J**	ND (6.7)	**11 J**	ND (6.6)	ND (6.6)	ND (6.5)	**83.1**	**36.1**	ND (6.7)	ND (6.6)	ND (6.7)	ND (6.7)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0376	DP0376	DP0376	DP0376	DP0376	DP0376	DP0377	DP0377	DP0377	DP0377	DP0377	DP0378
Sample Date	06/25/2015	06/25/2015	06/25/2015	06/26/2015	06/26/2015	06/26/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/26/2015
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	2 (ft)	6.6 (ft)	8.5 (ft)	12.5 (ft)	14 (ft)	1 (ft)	2 (ft)	8.5 (ft)	12.5 (ft)	14 (ft)	2.5 (ft)
Sample Name	DP0376-SS-001-01	DP0376-SS-002-01	DP0376-SS-0066-01	DP0376-SS-0085-01	DP0376-SS-0125-01	DP0376-SS-014-01	DP0377-SS-001-01	DP0377-SS-002-01	DP0377-SS-0085-01	DP0377-SS-0125-01	DP0377-SS-014-01	DP-0378-SS-0025-01
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0378	DP0378	DP0378	DP0378A	DP0380	DP0380	DP0380	DP0380	DP0381	DP0381	DP0381	DP0381
Sample Date	06/26/2015	06/26/2015	06/26/2015	06/26/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	8.5 (ft)	12.5 (ft)	14 (ft)	1 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	12 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	9 (ft)
Sample Name	DP-0378-SS-0085-01	DP-0378-SS-0125-01	DP-0378-SS-014-01	DP0378A-SS-001-01	DP0380-SS-0005-01	DP0380-SS-0015-01	DP0380-SS-005-01	DP0380-SS-012-01	DP0381-SS-0005-01	DP0381-SS-0015-01	DP0381-SS-005-01	DP0381-SS-009-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	ND (1)	ND (1)	ND (1)	ND (1)	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (17)	ND (16)	ND (16)	ND (17)	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	ND (17)	ND (16)	ND (16)	**87.9**	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	ND (6.6)	ND (6.5)	ND (6.6)	**10.3 J**	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0378	DP0378	DP0378	DP0378A	DP0380	DP0380	DP0380	DP0380	DP0381	DP0381	DP0381	DP0381
Sample Date	06/26/2015	06/26/2015	06/26/2015	06/26/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	8.5 (ft)	12.5 (ft)	14 (ft)	1 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	12 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	9 (ft)
Sample Name	DP-0378-SS-0085-01	DP-0378-SS-0125-01	DP-0378-SS-014-01	DP0378A-SS-001-01	DP0380-SS-0005-01	DP0380-SS-0015-01	DP0380-SS-005-01	DP0380-SS-012-01	DP0381-SS-0005-01	DP0381-SS-0015-01	DP0381-SS-005-01	DP0381-SS-009-01
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	-	-	-	-	ND (0.00045)	ND (0.00051)	ND (0.00047)	ND (0.00043)	ND (0.00046)	ND (0.00044)	ND (0.00046)	ND (0.00049)
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil
   are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0381	DP0382	DP0382	DP0382	DP0382	DP0382	DP0384	DP0384	DP0384	DP0384	DP0384	DP0385
Sample Date	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	12 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	9 (ft)	12 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	10 (ft)	14 (ft)	0.5 (ft)
Sample Name	DP0381-SS-012-01	DP0382-SS-0005-01	DP0382-SS-0015-01	DP0382-SS-005-01	DP0382-SS-009-01	DP0382-SS-012-01	DP0384-SS-0005-01	DP0384-SS-0015-01	DP0384-SS-005-01	DP0384-SS-010-01	DP0384-SS-014-01	DP0385-SS-0005-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	ND (16)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0381	DP0382	DP0382	DP0382	DP0382	DP0382	DP0384	DP0384	DP0384	DP0384	DP0384	DP0385
Sample Date	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	12 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	9 (ft)	12 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	10 (ft)	14 (ft)	0.5 (ft)
Sample Name	DP0381-SS-012-01	DP0382-SS-0005-01	DP0382-SS-0015-01	DP0382-SS-005-01	DP0382-SS-009-01	DP0382-SS-012-01	DP0384-SS-0005-01	DP0384-SS-0015-01	DP0384-SS-005-01	DP0384-SS-010-01	DP0384-SS-014-01	DP0385-SS-0005-01
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.0095)	ND (0.0092)	ND (1.7)
Benzene	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	ND (0.00042)	ND (0.00068)	ND (0.00043)	ND (0.00049)	ND (0.00061)	ND (0.00044)	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0385	DP0385	DP0385	DP0386	DP0386	DP0386	DP0386	DP0386	DP0388	DP0388	DP0388	DP0388
Sample Date	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1.5 (ft)	5 (ft)	10 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	10 (ft)	14 (ft)	1 (ft)	2 (ft)	7 (ft)	8.5 (ft)
Sample Name	DP0385-SS-0015-01	DP0385-SS-005-01	DP0385-SS-010-01	DP0386-SS-0005-01	DP0386-SS-0015-01	DP0386-SS-005-01	DP0386-SS-010-01	DP0386-SS-014-01	DP0388-SS-001-01	DP0388-SS-002-01	DP0388-SS-007-01	DP0388-SS-0085-01
Inorganic Compounds (mg/kg)												
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)												
Aroclor-1248 (PCB-1248)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	-	-	-	-
Aroclor-1254 (PCB-1254)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (17)	ND (16)	ND (16)	-	-	-	-
Aroclor-1260 (PCB-1260)	ND (6.7)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.6)	ND (6.5)	ND (6.5)	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)												
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	-	-	-	-	-	-	-	-	ND (0.067)	ND (0.066)	ND (0.066)	ND (0.066)
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)												
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)												
1,1,1-Trichloroethane	-	-	-	-	-	-	-	-	ND (0.044)	ND (0.024)	**0.00072 J**	**0.0015 J**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0385	DP0385	DP0385	DP0386	DP0386	DP0386	DP0386	DP0386	DP0388	DP0388	DP0388	DP0388
Sample Date	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/24/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015
Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1.5 (ft)	5 (ft)	10 (ft)	0.5 (ft)	1.5 (ft)	5 (ft)	10 (ft)	14 (ft)	1 (ft)	2 (ft)	7 (ft)	8.5 (ft)
Sample Name	DP0385-SS-0015-01	DP0385-SS-005-01	DP0385-SS-010-01	DP0386-SS-0005-01	DP0386-SS-0015-01	DP0386-SS-005-01	DP0386-SS-010-01	DP0386-SS-014-01	DP0388-SS-001-01	DP0388-SS-002-01	DP0388-SS-007-01	DP0388-SS-0085-01
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.088)	**0.170 J**	ND (0.0013)	ND (0.0011)
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	-	-	-	-	-	-	-	-	ND (0.088)	**0.0533 J**	ND (0.0013)	ND (0.0011)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	ND (0.43)	ND (0.012)	ND (0.0095)	ND (10)	ND (0.010)	ND (0.0096)	ND (0.011)	ND (0.0086)	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	ND (0.044)	ND (0.024)	ND (0.00066)	ND (0.00054)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	-	-	-	-	-	-	-	-	**0.304 J**	**0.0912 J**	**0.0019 J**	**0.0031 J**
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	-	-	-	-	-	-	-	-	ND (0.044)	ND (0.024)	ND (0.00066)	ND (0.00054)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	-	-	-	-	-	-	-	-	ND (0.044)	ND (0.024)	ND (0.00066)	ND (0.00054)
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	-	-	-	-	-	-	-	-	ND (0.044)	ND (0.024)	ND (0.00066)	ND (0.00054)
Styrene	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	-	-	-	-	-	-	-	-	**4.74**	**1.91**	**0.0465**	**0.0843**
Toluene	-	-	-	-	-	-	-	-	ND (0.044)	ND (0.024)	ND (0.00066)	ND (0.00054)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	-	-	-	-	-	-	-	-	**1.47**	**0.66**	**0.0134**	**0.0231**
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0389	DP0389	DP0389	DP0389	DP0389	DP0390	DP0390	DP0390	DP0390	DP0390
Sample Date	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	2 (ft)	5.5 (ft)	7 (ft)	8.5 (ft)	1 (ft)	2 (ft)	5.5 (ft)	7 (ft)	8.5 (ft)
Sample Name	DP0389-SS-001-01	DP0389-SS-002-01	DP0389-SS-0055-01	DP0389-SS-007-01	DP0389-SS-0085-01	DP0390-SS-001-01	DP0390-SS-002-01	DP0390-SS-0055-01	DP0390-SS-007-01	DP0390-SS-0085-01
Inorganic Compounds (mg/kg)										
Antimony	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	-	-	-	-	-	-	-	-
Chromium VI (Hexavalent)	-	-	-	-	-	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-
Fluoride	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-
Molybdenum	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-
PCBs (mg/kg)										
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)										
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	**1.7**	ND (0.066)	ND (0.067)	ND (0.067)	ND (0.066)	**3.920 J**	ND (0.067)	ND (0.066)	ND (0.066)	ND (0.066)
Butyl benzylphthalate	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)										
Total Petroleum Hydrocarbons	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Diesel/Fuel Oil	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons-Motor Oil	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C4-C12) GRO	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C7-C44)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C9-C10)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C11-C12)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C14)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C13-C22) DRO	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C15-C16)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C17-C18)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C19-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C21-C22)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C24)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C23-C40)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C25-C28)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C37-C40)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C41-C44)	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds (mg/kg)										
1,1,1-Trichloroethane	**8.61 J**	ND (0.022)	ND (0.00046)	ND (0.00048)	**0.0018 J**	**0.0034 J**	**0.0069**	ND (0.00062)	ND (0.00059)	**0.0023 J**
1,1,2-Trichloroethane	-	-	-	-	-	-	-	-	-	-

TABLE A-2
SUMMARY OF SOIL ANALYTICAL RESULTS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Location	DP0389	DP0389	DP0389	DP0389	DP0389	DP0390	DP0390	DP0390	DP0390	DP0390
Sample Date	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015	06/25/2015
Sample Type	N	N	N	N	N	N	N	N	N	N
Sample Depth (bgs)	1 (ft)	2 (ft)	5.5 (ft)	7 (ft)	8.5 (ft)	1 (ft)	2 (ft)	5.5 (ft)	7 (ft)	8.5 (ft)
Sample Name	DP0389-SS-001-01	DP0389-SS-002-01	DP0389-SS-0055-01	DP0389-SS-007-01	DP0389-SS-0085-01	DP0390-SS-001-01	DP0390-SS-002-01	DP0390-SS-0055-01	DP0390-SS-007-01	DP0390-SS-0085-01
1,1-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	ND (5.7)	ND (0.043)	ND (0.0091)	ND (0.0096)	ND (0.0012)	ND (0.0096)	**0.0015 J**	ND (0.0012)	ND (0.0012)	ND (0.0013)
1,2-Dichloroethane	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ND (5.7)	ND (0.043)	ND (0.0091)	ND (0.0096)	ND (0.0012)	ND (0.0096)	ND (0.009)	ND (0.0012)	ND (0.0012)	ND (0.0013)
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	-	-	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-	-	-	-
Benzene	ND (2.9)	ND (0.022)	ND (0.0046)	ND (0.0048)	ND (0.0058)	ND (0.0048)	**0.00075 J**	ND (0.0062)	ND (0.0059)	ND (0.0064)
Carbon disulfide	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	ND (6.3)	**0.0853 J**	ND (0.001)	ND (1.1)	**3.8 J**	**0.0469**	**0.111**	ND (0.0014)	ND (0.0013)	**0.0078**
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	ND (2.9)	ND (0.022)	ND (0.0046)	ND (0.0048)	ND (0.0058)	ND (0.0048)	ND (0.0045)	ND (0.0062)	ND (0.0059)	ND (0.0064)
Isopropylbenzene	-	-	-	-	-	-	-	-	-	-
m,p-Xylenes	**2.910 J**	ND (0.022)	ND (0.0046)	ND (0.0048)	ND (0.0058)	ND (0.0048)	ND (0.0045)	ND (0.0062)	ND (0.0059)	ND (0.0064)
Methylene chloride	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	-	-	-	-	-	-	-	-	-	-
o-Xylene	ND (2.9)	ND (0.022)	ND (0.0046)	ND (0.0048)	ND (0.0058)	ND (0.0048)	ND (0.0045)	ND (0.0062)	ND (0.0059)	ND (0.0064)
Styrene	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	**678**	**0.902**	**0.0168**	**0.0196**	**61.9**	**0.869**	**1.52**	**0.0173**	**0.0179**	**0.0911**
Toluene	**14.4 J**	**0.0257 J**	ND (0.0046)	ND (0.0048)	ND (0.0058)	ND (0.0048)	ND (0.0045)	ND (0.0062)	ND (0.0059)	ND (0.0064)
trans-1,2-Dichloroethene	-	-	-	-	-	-	-	-	-	-
Trichloroethene	**119**	**0.84**	**0.0037 J**	**0.003 J**	**21.4**	**0.470**	**0.736**	**0.003 J**	**0.0048 J**	**0.0369**
Trifluorotrichloroethane (Freon 113)	-	-	-	-	-	-	-	-	-	-
Xylene (total)	-	-	-	-	-	-	-	-	-	-

Notes:
1. Results in **bold** were detected.
2. ND - Not detected
   J - Estimated Result
3. Only compounds that were detected in soil are shown on table.

APPENDIX B

Background Metals Evaluation

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Antimony	d_Antimony	Antimony Log	d_Antimony Log	Arsenic	d_Arsenic	Arsenic Log	d_Arsenic Log	Barium	d_Barium	Barium Log	d_Barium Log	Beryllium	d_Beryllium	Beryllium Log	d_Beryllium Log	Cadmium	d_Cadmium	Cadmium Log
10.7	1	1.029383778	1	7.94	1	0.8998205	1	387	1	2.58771097	1	0.702	1	-0.153662888	1	5.15	1	0.711807229
3.35	1	0.525044807	1	7.92	1	0.89872518	1	366	1	2.56348109	1	0.665	1	-0.177178355	1	2.2	1	0.342422681
3.15	1	0.498310554	1	7.37	1	0.86746749	1	302	1	2.48000694	1	0.659	1	-0.181114585	1	2.05	1	0.311753861
1.97	1	0.294466226	1	6.8	1	0.83250891	1	267	1	2.42651126	1	0.655	1	-0.1837587	1	2	1	0.301029996
1.28	1	0.10720997	1	6.25	1	0.79588002	1	253	1	2.40312052	1	0.651	1	-0.186419011	1	1.95	1	0.290034611
1.15	1	0.06069784	1	6.18	1	0.79098848	1	245	1	2.38916608	1	0.638	1	-0.195179321	1	1.94	1	0.28780173
0.774	1	-0.111259039	1	6.03	1	0.78031731	1	240	1	2.38021124	1	0.627	1	-0.202732459	1	1.77	1	0.247973266
				5.89	1	0.77011529	1	233	1	2.36735592	1	0.624	1	-0.20481541	1	1.77	1	0.247973266
				5.57	1	0.7458552	1	233	1	2.36735592	1	0.612	1	-0.213248578	1	1.75	1	0.243038049
				5.46	1	0.73719264	1	218	1	2.33845649	1	0.597	1	-0.224025669	1	1.72	1	0.235528447
				5.29	1	0.72345567	1	212	1	2.32633586	1	0.59	1	-0.229147988	1	1.7	1	0.230448921
				5.22	1	0.7176705	1	212	1	2.32633586	1	0.587	1	-0.231361899	1	1.66	1	0.220108088
				5.2	1	0.71600334	1	210	1	2.32221929	1	0.583	1	-0.234331445	1	1.62	1	0.209515015
				5.08	1	0.70586371	1	210	1	2.32221929	1	0.577	1	-0.238824187	1	1.6	1	0.204119983
				4.95	1	0.6946052	1	204	1	2.30963017	1	0.576	1	-0.239577517	1	1.6	1	0.204119983
				4.95	1	0.6946052	1	204	1	2.30963017	1	0.576	1	-0.239577517	1	1.58	1	0.198657087
				4.9	1	0.69019608	1	203	1	2.30749604	1	0.571	1	-0.243363892	1	1.58	1	0.198657087
				4.9	1	0.69019608	1	200	1	2.30103	1	0.567	1	-0.246416941	1	1.57	1	0.195899652
				4.9	1	0.69019608	1	197	1	2.29446623	1	0.563	1	-0.249491605	1	1.55	1	0.190331698
				4.9	1	0.69019608	1	195	1	2.29003461	1	0.555	1	-0.255707017	1	1.54	1	0.187520721
				4.9	1	0.69019608	1	195	1	2.29003461	1	0.551	1	-0.258848401	1	1.53	1	0.184691431
				4.85	1	0.68574174	1	194	1	2.28780173	1	0.549	1	-0.260427656	1	1.52	1	0.181843588
				4.85	1	0.68574174	1	189	1	2.2764618	1	0.547	1	-0.262012674	1	1.51	1	0.178976947
				4.8	1	0.68124124	1	188	1	2.27415785	1	0.546	1	-0.262807357	1	1.48	1	0.170261715
				4.8	1	0.68124124	1	188	1	2.27415785	1	0.544	1	-0.2644011	1	1.46	1	0.164352856
				4.8	1	0.68124124	1	186	1	2.26951294	1	0.54	1	-0.26760624	1	1.44	1	0.158362492
				4.75	1	0.67669361	1	186	1	2.26951294	1	0.54	1	-0.26760624	1	1.44	1	0.158362492
				4.7	1	0.67209786	1	185	1	2.26717173	1	0.535	1	-0.271646218	1	1.44	1	0.158362492
				4.7	1	0.67209786	1	184	1	2.26481782	1	0.532	1	-0.274088368	1	1.42	1	0.152288344
				4.7	1	0.67209786	1	181	1	2.25767857	1	0.53	1	-0.27572413	1	1.42	1	0.152288344
				4.63	1	0.66558099	1	181	1	2.25767857	1	0.529	1	-0.276544328	1	1.41	1	0.149219113
				4.58	1	0.66086548	1	179	1	2.25285303	1	0.527	1	-0.278189385	1	1.39	1	0.1430148
				4.55	1	0.6580114	1	179	1	2.25285303	1	0.526	1	-0.279014256	1	1.39	1	0.1430148
				4.55	1	0.6580114	1	177	1	2.24797327	1	0.524	1	-0.280668713	1	1.38	1	0.139879086
				4.55	1	0.6580114	1	177	1	2.24797327	1	0.524	1	-0.280668713	1	1.38	1	0.139879086
				4.55	1	0.6580114	1	176	1	2.24551267	1	0.523	1	-0.281498311	1	1.36	1	0.133538908
				4.55	1	0.6580114	1	175	1	2.24303805	1	0.523	1	-0.281498311	1	1.36	1	0.133538908
				4.5	1	0.65321251	1	175	1	2.24303805	1	0.52	1	-0.283996656	1	1.35	1	0.130333768
				4.5	1	0.65321251	1	172	1	2.23552845	1	0.519	1	-0.284832642	1	1.35	1	0.130333768
				4.46	1	0.64933486	1	171	1	2.23299611	1	0.517	1	-0.286509457	1	1.35	1	0.130333768
				4.45	1	0.64836001	1	171	1	2.23299611	1	0.51	1	-0.292429824	1	1.32	1	0.120573931
				4.45	1	0.64836001	1	170	1	2.23044892	1	0.51	1	-0.292429824	1	1.31	1	0.117271296
				4.45	1	0.64836001	1	170	1	2.23044892	1	0.508	1	-0.294136288	1	1.31	1	0.117271296
				4.45	1	0.64836001	1	170	1	2.23044892	1	0.506	1	-0.295849483	1	1.31	1	0.117271296
				4.4	1	0.64345268	1	168	1	2.22530928	1	0.502	1	-0.299296283	1	1.31	1	0.117271296
				4.4	1	0.64345268	1	168	1	2.22530928	1	0.501	1	-0.300162274	1	1.3	1	0.113943352
				4.4	1	0.64345268	1	167	1	2.22271647	1	0.5	1	-0.301029996	1	1.3	1	0.113943352
				4.4	1	0.64345268	1	167	1	2.22271647	1	0.497	1	-0.303643611	1	1.29	1	0.11058971
				4.4	1	0.64345268	1	166	1	2.22010809	1	0.495	1	-0.305394801	1	1.27	1	0.103803721
				4.4	1	0.64345268	1	166	1	2.22010809	1	0.492	1	-0.308034897	1	1.26	1	0.100370545
				4.4	1	0.64345268	1	165	1	2.21748394	1	0.487	1	-0.312471039	1	1.25	1	0.096910013
				4.38	1	0.64147411	1	165	1	2.21748394	1	0.486	1	-0.313363731	1	1.24	1	0.093421685
				4.37	1	0.64048144	1	164	1	2.21484385	1	0.483	1	-0.316052869	1	1.23	1	0.089905111
				4.35	1	0.63848926	1	163	1	2.2121876	1	0.478	1	-0.320572103	1	1.23	1	0.089905111
				4.35	1	0.63848926	1	163	1	2.2121876	1	0.477	1	-0.321481621	1	1.22	1	0.086359831
				4.35	1	0.63848926	1	163	1	2.2121876	1	0.476	1	-0.322393047	1	1.21	1	0.08278537
				4.35	1	0.63848926	1	163	1	2.2121876	1	0.474	1	-0.324221658	1	1.21	1	0.08278537
				4.33	1	0.6364879	1	162	1	2.20951501	1	0.471	1	-0.326979093	1	1.21	1	0.08278537
				4.3	1	0.63346846	1	162	1	2.20951501	1	0.465	1	-0.332547047	1	1.21	1	0.08278537
				4.3	1	0.63346846	1	161	1	2.20682588	1	0.462	1	-0.335358024	1	1.2	1	0.079181246
				4.3	1	0.63346846	1	161	1	2.20682588	1	0.461	1	-0.336299075	1	1.2	1	0.079181246

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Antimony	d_Antimony	Antimony Log	d_Antimony Log	Arsenic	d_Arsenic	Arsenic Log	d_Arsenic Log	Barium	d_Barium	Barium Log	d_Barium Log	Beryllium	d_Beryllium	Beryllium Log	d_Beryllium Log	Cadmium	d_Cadmium	Cadmium Log
				4.3	1	0.63346846	1	159	1	2.20139712	1	0.454	1	-0.342944147	1	1.2	1	0.079181246
				4.3	1	0.63346846	1	159	1	2.20139712	1	0.453	1	-0.343901798	1	1.19	1	0.075546961
				4.3	1	0.63346846	1	159	1	2.20139712	1	0.451	1	-0.345823458	1	1.18	1	0.071882007
				4.3	1	0.63346846	1	159	1	2.20139712	1	0.447	1	-0.349692477	1	1.17	1	0.068185862
				4.28	1	0.63144377	1	159	1	2.20139712	1	0.442	1	-0.354577731	1	1.16	1	0.064457989
				4.27	1	0.63042788	1	159	1	2.20139712	1	0.438	1	-0.358525889	1	1.14	1	0.056904851
				4.25	1	0.62838893	1	159	1	2.20139712	1	0.434	1	-0.36251027	1	1.14	1	0.056904851
				4.25	1	0.62838893	1	158	1	2.19865709	1	0.43	1	-0.366531544	1	1.14	1	0.056904851
				4.25	1	0.62838893	1	158	1	2.19865709	1	0.429	1	-0.367542708	1	1.13	1	0.053078443
				4.25	1	0.62838893	1	157	1	2.19589965	1	0.429	1	-0.367542708	1	1.13	1	0.053078443
				4.25	1	0.62838893	1	157	1	2.19589965	1	0.426	1	-0.370590401	1	1.12	1	0.049218023
				4.25	1	0.62838893	1	157	1	2.19589965	1	0.422	1	-0.374687549	1	1.1	1	0.041392685
				4.25	1	0.62838893	1	156	1	2.1931246	1	0.422	1	-0.374687549	1	1.1	1	0.041392685
				4.21	1	0.6242821	1	155	1	2.1903317	1	0.419	1	-0.377785977	1	1.1	1	0.041392685
				4.2	1	0.62324929	1	155	1	2.1903317	1	0.418	1	-0.378823718	1	1.1	1	0.041392685
				4.2	1	0.62324929	1	154	1	2.18752072	1	0.415	1	-0.381951903	1	1.09	1	0.037426498
				4.2	1	0.62324929	1	154	1	2.18752072	1	0.411	1	-0.386158178	1	1.09	1	0.037426498
				4.16	1	0.61909333	1	154	1	2.18752072	1	0.409	1	-0.388276692	1	1.08	1	0.033423755
				4.13	1	0.61595005	1	153	1	2.18469143	1	0.407	1	-0.390405591	1	1.08	1	0.033423755
				4.12	1	0.61489722	1	153	1	2.18469143	1	0.406	1	-0.391473966	1	1.07	1	0.029383778
				4.1	1	0.61278386	1	153	1	2.18469143	1	0.402	1	-0.395773947	1	1.07	1	0.029383778
				4.1	1	0.61278386	1	152	1	2.18184359	1	0.4	1	-0.397940009	1	1.07	1	0.029383778
				4.1	1	0.61278386	1	152	1	2.18184359	1	0.399	1	-0.399027104	1	1.07	1	0.029383778
				4.1	1	0.61278386	1	152	1	2.18184359	1	0.398	1	-0.400116928	1	1.06	1	0.025305865
				4.05	1	0.60745502	1	152	1	2.18184359	1	0.395	1	-0.403402904	1	1.06	1	0.025305865
				4.05	1	0.60745502	1	152	1	2.18184359	1	0.395	1	-0.403402904	1	1.06	1	0.025305865
				4.05	1	0.60745502	1	151	1	2.17897695	1	0.394	1	-0.404503778	1	1.05	1	0.021189299
				4.05	1	0.60745502	1	151	1	2.17897695	1	0.394	1	-0.404503778	1	1.05	1	0.021189299
				4.05	1	0.60745502	1	151	1	2.17897695	1	0.392	1	-0.406713933	1	1.05	1	0.021189299
				4.05	1	0.60745502	1	151	1	2.17897695	1	0.389	1	-0.410050399	1	1.05	1	0.021189299
				4.05	1	0.60745502	1	150	1	2.17609126	1	0.387	1	-0.412289035	1	1.04	1	0.017033339
				4.03	1	0.60530505	1	150	1	2.17609126	1	0.384	1	-0.415668776	1	1.03	1	0.012837225
				4	1	0.60205999	1	150	1	2.17609126	1	0.381	1	-0.419075024	1	1.03	1	0.012837225
				4	1	0.60205999	1	150	1	2.17609126	1	0.376	1	-0.424812155	1	1.02	1	0.008600172
				4	1	0.60205999	1	150	1	2.17609126	1	0.374	1	-0.427128398	1	1.02	1	0.008600172
				3.97	1	0.59879051	1	149	1	2.17318627	1	0.372	1	-0.42945706	1	1.02	1	0.008600172
				3.96	1	0.59769519	1	149	1	2.17318627	1	0.371	1	-0.43062609	1	1.02	1	0.008600172
				3.95	1	0.5965971	1	149	1	2.17318627	1	0.37	1	-0.431798276	1	1	1	0
				3.95	1	0.5965971	1	148	1	2.17026172	1	0.368	1	-0.434152181	1	1	1	0
				3.95	1	0.5965971	1	148	1	2.17026172	1	0.362	1	-0.441291429	1	0.999	1	-0.000434512
				3.95	1	0.5965971	1	148	1	2.17026172	1	0.362	1	-0.441291429	1	0.99	1	-0.004364805
				3.95	1	0.5965971	1	148	1	2.17026172	1	0.359	1	-0.444905551	1	0.988	1	-0.005243055
				3.94	1	0.59549622	1	148	1	2.17026172	1	0.357	1	-0.447331784	1	0.986	1	-0.006123085
				3.94	1	0.59549622	1	147	1	2.16731733	1	0.356	1	-0.448550002	1	0.98	1	-0.008773924
				3.93	1	0.59439255	1	147	1	2.16731733	1	0.353	1	-0.452225295	1	0.976	1	-0.010550182
				3.93	1	0.59439255	1	147	1	2.16731733	1	0.352	1	-0.453457337	1	0.974	1	-0.011441043
				3.92	1	0.59328607	1	147	1	2.16731733	1	0.35	1	-0.455931956	1	0.973	1	-0.01188716
				3.92	1	0.59328607	1	146	1	2.16435286	1	0.349	1	-0.457174573	1	0.97	1	-0.013228266
				3.9	1	0.59106461	1	146	1	2.16435286	1	0.348	1	-0.458420756	1	0.947	1	-0.023650021
				3.9	1	0.59106461	1	146	1	2.16435286	1	0.347	1	-0.459670525	1	0.942	1	-0.025949097
				3.85	1	0.58546073	1	146	1	2.16435286	1	0.344	1	-0.463441557	1	0.937	1	-0.028260409
				3.85	1	0.58546073	1	146	1	2.16435286	1	0.34	1	-0.468521083	1	0.937	1	-0.028260409
				3.85	1	0.58546073	1	145	1	2.161368	1	0.336	1	-0.473660723	1	0.935	1	-0.029188389
				3.85	1	0.58546073	1	145	1	2.161368	1	0.332	1	-0.478861916	1	0.931	1	-0.031050319
				3.85	1	0.58546073	1	145	1	2.161368	1	0.332	1	-0.478861916	1	0.899	1	-0.046240308
				3.83	1	0.58319877	1	144	1	2.15836249	1	0.328	1	-0.484126156	1	0.898	1	-0.046723663
				3.83	1	0.58319877	1	144	1	2.15836249	1	0.327	1	-0.485452247	1	0.893	1	-0.049148541
				3.8	1	0.5797836	1	144	1	2.15836249	1	0.326	1	-0.4867824	1	0.88	1	-0.055517328
				3.8	1	0.5797836	1	144	1	2.15836249	1	0.32	1	-0.494850022	1	0.876	1	-0.057495894
				3.8	1	0.5797836	1	143	1	2.15533604	1	0.318	1	-0.49757288	1	0.872	1	-0.059483515
				3.8	1	0.5797836	1	143	1	2.15533604	1	0.315	1	-0.501689446	1	0.864	1	-0.063486258

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Antimony	d_Antimony	Antimony Log	d_Antimony Log	Arsenic	d_Arsenic	Arsenic Log	d_Arsenic Log	Barium	d_Barium	Barium Log	d_Barium Log	Beryllium	d_Beryllium	Beryllium Log	d_Beryllium Log	Cadmium	d_Cadmium	Cadmium Log
				3.8	1	0.5797836	1	143	1	2.15533604	1	0.312	1	-0.505845406	1	0.859	1	-0.066006836
				3.8	1	0.5797836	1	143	1	2.15533604	1	0.311	1	-0.507239611	1	0.847	1	-0.07211659
				3.8	1	0.5797836	1	142	1	2.15228834	1	0.31	1	-0.508638306	1	0.842	1	-0.074687909
				3.8	1	0.5797836	1	142	1	2.15228834	1	0.309	1	-0.510041521	1	0.836	1	-0.077793723
				3.79	1	0.57863921	1	141	1	2.14921911	1	0.303	1	-0.518557371	1	0.809	1	-0.092051478
				3.76	1	0.57518784	1	141	1	2.14921911	1	0.3	1	-0.522878745	1	0.786	1	-0.104577454
				3.75	1	0.57403127	1	141	1	2.14921911	1	0.294	1	-0.53165267	1	0.783	1	-0.106238238
				3.75	1	0.57403127	1	141	1	2.14921911	1	0.293	1	-0.53313238	1	0.777	1	-0.109578981
				3.75	1	0.57403127	1	141	1	2.14921911	1	0.292	1	-0.534617149	1	0.777	1	-0.109578981
				3.75	1	0.57403127	1	140	1	2.14612804	1	0.29	1	-0.537602002	1	0.77	1	-0.113509275
				3.75	1	0.57403127	1	140	1	2.14612804	1	0.288	1	-0.540607512	1	0.707	1	-0.150580586
				3.75	1	0.57403127	1	139	1	2.1430148	1	0.285	1	-0.54515514	1	0.695	1	-0.158015195
				3.75	1	0.57403127	1	139	1	2.1430148	1	0.28	1	-0.552841969	1	0.657	1	-0.18243463
				3.75	1	0.57403127	1	138	1	2.13987909	1	0.273	1	-0.563837353	1	0.649	1	-0.187755303
				3.75	1	0.57403127	1	138	1	2.13987909	1	0.271	1	-0.567030709	1	0.602	1	-0.220403509
				3.74	1	0.5728716	1	138	1	2.13987909	1	0.27	1	-0.568636236	1	0.576	1	-0.239577517
				3.72	1	0.57054294	1	138	1	2.13987909	1	0.267	1	-0.573488739	1	0.504	1	-0.297569464
				3.7	1	0.56820172	1	138	1	2.13987909	1							
				3.7	1	0.56820172	1	137	1	2.13672057	1							
				3.7	1	0.56820172	1	137	1	2.13672057	1							
				3.7	1	0.56820172	1	137	1	2.13672057	1							
				3.7	1	0.56820172	1	137	1	2.13672057	1							
				3.7	1	0.56820172	1	137	1	2.13672057	1							
				3.7	1	0.56820172	1	137	1	2.13672057	1							
				3.68	1	0.56584782	1	136	1	2.13353891	1							
				3.67	1	0.56466606	1	136	1	2.13353891	1							
				3.67	1	0.56466606	1	136	1	2.13353891	1							
				3.65	1	0.56229286	1	136	1	2.13353891	1							
				3.65	1	0.56229286	1	135	1	2.13033377	1							
				3.65	1	0.56229286	1	135	1	2.13033377	1							
				3.65	1	0.56229286	1	135	1	2.13033377	1							
				3.65	1	0.56229286	1	135	1	2.13033377	1							
				3.65	1	0.56229286	1	135	1	2.13033377	1							
				3.64	1	0.56110138	1	134	1	2.1271048	1							
				3.61	1	0.5575072	1	134	1	2.1271048	1							
				3.6	1	0.5563025	1	133	1	2.12385164	1							
				3.6	1	0.5563025	1	133	1	2.12385164	1							
				3.6	1	0.5563025	1	133	1	2.12385164	1							
				3.6	1	0.5563025	1	133	1	2.12385164	1							
				3.6	1	0.5563025	1	133	1	2.12385164	1							
				3.6	1	0.5563025	1	133	1	2.12385164	1							
				3.6	1	0.5563025	1	132	1	2.12057393	1							
				3.58	1	0.55388303	1	132	1	2.12057393	1							
				3.58	1	0.55388303	1	132	1	2.12057393	1							
				3.58	1	0.55388303	1	132	1	2.12057393	1							
				3.57	1	0.55266822	1	131	1	2.1172713	1							
				3.56	1	0.55145	1	131	1	2.1172713	1							
				3.55	1	0.55022835	1	130	1	2.11394335	1							
				3.55	1	0.55022835	1	130	1	2.11394335	1							
				3.55	1	0.55022835	1	130	1	2.11394335	1							
				3.55	1	0.55022835	1	130	1	2.11394335	1							
				3.55	1	0.55022835	1	130	1	2.11394335	1							
				3.55	1	0.55022835	1	129	1	2.11058971	1							
				3.55	1	0.55022835	1	129	1	2.11058971	1							
				3.55	1	0.55022835	1	129	1	2.11058971	1							
				3.52	1	0.54654266	1	129	1	2.11058971	1							
				3.52	1	0.54654266	1	129	1	2.11058971	1							
				3.51	1	0.54530712	1	128	1	2.10720997	1							
				3.51	1	0.54530712	1	128	1	2.10720997	1							
				3.5	1	0.54406804	1	128	1	2.10720997	1							
				3.5	1	0.54406804	1	128	1	2.10720997	1							

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Antimony	d_Antimony	Antimony Log	d_Antimony Log	Arsenic	d_Arsenic	Arsenic Log	d_Arsenic Log	Barium	d_Barium	Barium Log	d_Barium Log	Beryllium	d_Beryllium	Beryllium Log	d_Beryllium Log	Cadmium	d_Cadmium	Cadmium Log
				3.5	1	0.54406804	1	128	1	2.10720997	1							
				3.5	1	0.54406804	1	128	1	2.10720997	1							
				3.5	1	0.54406804	1	128	1	2.10720997	1							
				3.5	1	0.54406804	1	128	1	2.10720997	1							
				3.5	1	0.54406804	1	128	1	2.10720997	1							
				3.48	1	0.54157924	1	128	1	2.10720997	1							
				3.46	1	0.5390761	1	127	1	2.10380372	1							
				3.45	1	0.5378191	1	127	1	2.10380372	1							
				3.45	1	0.5378191	1	127	1	2.10380372	1							
				3.45	1	0.5378191	1	127	1	2.10380372	1							
				3.45	1	0.5378191	1	127	1	2.10380372	1							
				3.45	1	0.5378191	1	126	1	2.10037055	1							
				3.45	1	0.5378191	1	126	1	2.10037055	1							
				3.44	1	0.53655844	1	126	1	2.10037055	1							
				3.42	1	0.53402611	1	125	1	2.09691001	1							
				3.42	1	0.53402611	1	125	1	2.09691001	1							
				3.41	1	0.53275438	1	125	1	2.09691001	1							
				3.41	1	0.53275438	1	125	1	2.09691001	1							
				3.4	1	0.53147892	1	125	1	2.09691001	1							
				3.4	1	0.53147892	1	125	1	2.09691001	1							
				3.4	1	0.53147892	1	125	1	2.09691001	1							
				3.4	1	0.53147892	1	125	1	2.09691001	1							
				3.4	1	0.53147892	1	124	1	2.09342169	1							
				3.4	1	0.53147892	1	124	1	2.09342169	1							
				3.4	1	0.53147892	1	124	1	2.09342169	1							
				3.39	1	0.5301997	1	124	1	2.09342169	1							
				3.37	1	0.5276299	1	124	1	2.09342169	1							
				3.35	1	0.52504481	1	124	1	2.09342169	1							
				3.35	1	0.52504481	1	124	1	2.09342169	1							
				3.35	1	0.52504481	1	123	1	2.08990511	1							
				3.35	1	0.52504481	1	123	1	2.08990511	1							
				3.35	1	0.52504481	1	123	1	2.08990511	1							
				3.35	1	0.52504481	1	123	1	2.08990511	1							
				3.35	1	0.52504481	1	122	1	2.08635983	1							
				3.34	1	0.52374647	1	122	1	2.08635983	1							
				3.33	1	0.52244423	1	122	1	2.08635983	1							
				3.32	1	0.52113808	1	122	1	2.08635983	1							
				3.32	1	0.52113808	1	122	1	2.08635983	1							
				3.3	1	0.51851394	1	122	1	2.08635983	1							
				3.3	1	0.51851394	1	122	1	2.08635983	1							
				3.3	1	0.51851394	1	121	1	2.08278537	1							
				3.3	1	0.51851394	1	121	1	2.08278537	1							
				3.3	1	0.51851394	1	120	1	2.07918125	1							
				3.3	1	0.51851394	1	120	1	2.07918125	1							
				3.3	1	0.51851394	1	120	1	2.07918125	1							
				3.3	1	0.51851394	1	120	1	2.07918125	1							
				3.3	1	0.51851394	1	119	1	2.07554696	1							
				3.3	1	0.51851394	1	119	1	2.07554696	1							
				3.27	1	0.51454775	1	119	1	2.07554696	1							
				3.25	1	0.51188336	1	119	1	2.07554696	1							
				3.25	1	0.51188336	1	119	1	2.07554696	1							
				3.25	1	0.51188336	1	119	1	2.07554696	1							
				3.25	1	0.51188336	1	119	1	2.07554696	1							
				3.25	1	0.51188336	1	118	1	2.07188201	1							
				3.25	1	0.51188336	1	118	1	2.07188201	1							
				3.25	1	0.51188336	1	118	1	2.07188201	1							
				3.25	1	0.51188336	1	118	1	2.07188201	1							
				3.22	1	0.50785587	1	118	1	2.07188201	1							
				3.2	1	0.50514998	1	118	1	2.07188201	1							
				3.2	1	0.50514998	1	118	1	2.07188201	1							
				3.2	1	0.50514998	1	118	1	2.07188201	1							

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Antimony	d_Antimony	Antimony Log	d_Antimony Log	Arsenic	d_Arsenic	Arsenic Log	d_Arsenic Log	Barium	d_Barium	Barium Log	d_Barium Log	Beryllium	d_Beryllium	Beryllium Log	d_Beryllium Log	Cadmium	d_Cadmium	Cadmium Log
				3.2	1	0.50514998	1	117	1	2.06818586	1							
				3.2	1	0.50514998	1	117	1	2.06818586	1							
				3.2	1	0.50514998	1	117	1	2.06818586	1							
				3.2	1	0.50514998	1	117	1	2.06818586	1							
				3.2	1	0.50514998	1	117	1	2.06818586	1							
				3.2	1	0.50514998	1	117	1	2.06818586	1							
				3.2	1	0.50514998	1	117	1	2.06818586	1							
				3.2	1	0.50514998	1	116	1	2.06445799	1							
				3.18	1	0.50242712	1	116	1	2.06445799	1							
				3.17	1	0.50105926	1	116	1	2.06445799	1							
				3.16	1	0.49968708	1	116	1	2.06445799	1							
				3.15	1	0.49831055	1	115	1	2.06069784	1							
				3.15	1	0.49831055	1	115	1	2.06069784	1							
				3.15	1	0.49831055	1	115	1	2.06069784	1							
				3.15	1	0.49831055	1	114	1	2.05690485	1							
				3.15	1	0.49831055	1	114	1	2.05690485	1							
				3.14	1	0.49692965	1	114	1	2.05690485	1							
				3.14	1	0.49692965	1	114	1	2.05690485	1							
				3.11	1	0.49276039	1	114	1	2.05690485	1							
				3.1	1	0.49136169	1	114	1	2.05690485	1							
				3.1	1	0.49136169	1	114	1	2.05690485	1							
				3.1	1	0.49136169	1	114	1	2.05690485	1							
				3.1	1	0.49136169	1	114	1	2.05690485	1							
				3.1	1	0.49136169	1	114	1	2.05690485	1							
				3.1	1	0.49136169	1	113	1	2.05307844	1							
				3.09	1	0.48995848	1	113	1	2.05307844	1							
				3.09	1	0.48995848	1	112	1	2.04921802	1							
				3.08	1	0.48855072	1	111	1	2.04532298	1							
				3.08	1	0.48855072	1	111	1	2.04532298	1							
				3.08	1	0.48855072	1	111	1	2.04532298	1							
				3.05	1	0.48429984	1	111	1	2.04532298	1							
				3.05	1	0.48429984	1	111	1	2.04532298	1							
				3.05	1	0.48429984	1	111	1	2.04532298	1							
				3.05	1	0.48429984	1	111	1	2.04532298	1							
				3.05	1	0.48429984	1	111	1	2.04532298	1							
				3.05	1	0.48429984	1	111	1	2.04532298	1							
				3.05	1	0.48429984	1	111	1	2.04532298	1							
				3.04	1	0.48287358	1	110	1	2.04139269	1							
				3.04	1	0.48287358	1	110	1	2.04139269	1							
				3.03	1	0.48144263	1	110	1	2.04139269	1							
				3.01	1	0.4785665	1	110	1	2.04139269	1							
				3	1	0.47712125	1	110	1	2.04139269	1							
				2.99	1	0.47567119	1	110	1	2.04139269	1							
				2.96	1	0.47129171	1	110	1	2.04139269	1							
				2.95	1	0.46982202	1	110	1	2.04139269	1							
				2.95	1	0.46982202	1	109	1	2.0374265	1							
				2.95	1	0.46982202	1	109	1	2.0374265	1							
				2.95	1	0.46982202	1	109	1	2.0374265	1							
				2.95	1	0.46982202	1	109	1	2.0374265	1							
				2.95	1	0.46982202	1	108	1	2.03342376	1							
				2.95	1	0.46982202	1	108	1	2.03342376	1							
				2.95	1	0.46982202	1	108	1	2.03342376	1							
				2.95	1	0.46982202	1	108	1	2.03342376	1							
				2.95	1	0.46982202	1	108	1	2.03342376	1							
				2.93	1	0.46686762	1	108	1	2.03342376	1							
				2.93	1	0.46686762	1	108	1	2.03342376	1							
				2.91	1	0.46389299	1	108	1	2.03342376	1							
				2.9	1	0.462398	1	108	1	2.03342376	1							
				2.9	1	0.462398	1	108	1	2.03342376	1							
				2.9	1	0.462398	1	108	1	2.03342376	1							
				2.9	1	0.462398	1	107	1	2.02938378	1							

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Antimony	d_Antimony	Antimony Log	d_Antimony Log	Arsenic	d_Arsenic	Arsenic Log	d_Arsenic Log	Barium	d_Barium	Barium Log	d_Barium Log	Beryllium	d_Beryllium	Beryllium Log	d_Beryllium Log	Cadmium	d_Cadmium	Cadmium Log
				2.9	1	0.462398	1	107	1	2.02938378	1							
				2.88	1	0.45939249	1	107	1	2.02938378	1							
				2.85	1	0.45484486	1	106	1	2.02530587	1							
				2.85	1	0.45484486	1	106	1	2.02530587	1							
				2.85	1	0.45484486	1	106	1	2.02530587	1							
				2.85	1	0.45484486	1	106	1	2.02530587	1							
				2.85	1	0.45484486	1	106	1	2.02530587	1							
				2.84	1	0.45331834	1	106	1	2.02530587	1							
				2.83	1	0.45178644	1	106	1	2.02530587	1							
				2.81	1	0.44870632	1	106	1	2.02530587	1							
				2.8	1	0.44715803	1	106	1	2.02530587	1							
				2.8	1	0.44715803	1	106	1	2.02530587	1							
				2.8	1	0.44715803	1	105	1	2.0211893	1							
				2.8	1	0.44715803	1	104	1	2.01703334	1							
				2.8	1	0.44715803	1	104	1	2.01703334	1							
				2.75	1	0.43933269	1	104	1	2.01703334	1							
				2.75	1	0.43933269	1	104	1	2.01703334	1							
				2.75	1	0.43933269	1	104	1	2.01703334	1							
				2.75	1	0.43933269	1	103	1	2.01283722	1							
				2.75	1	0.43933269	1	103	1	2.01283722	1							
				2.75	1	0.43933269	1	103	1	2.01283722	1							
				2.75	1	0.43933269	1	103	1	2.01283722	1							
				2.7	1	0.43136376	1	103	1	2.01283722	1							
				2.7	1	0.43136376	1	103	1	2.01283722	1							
				2.7	1	0.43136376	1	103	1	2.01283722	1							
				2.7	1	0.43136376	1	102	1	2.00860017	1							
				2.7	1	0.43136376	1	102	1	2.00860017	1							
				2.7	1	0.43136376	1	102	1	2.00860017	1							
				2.7	1	0.43136376	1	102	1	2.00860017	1							
				2.7	1	0.43136376	1	102	1	2.00860017	1							
				2.7	1	0.43136376	1	102	1	2.00860017	1							
				2.7	1	0.43136376	1	101	1	2.00432137	1							
				2.7	1	0.43136376	1	101	1	2.00432137	1							
				2.7	1	0.43136376	1	101	1	2.00432137	1							
				2.7	1	0.43136376	1	101	1	2.00432137	1							
				2.69	1	0.42975228	1	100	1	2	1							
				2.66	1	0.42488164	1	99.5	1	1.99782308	1							
				2.65	1	0.42324587	1	99	1	1.99563519	1							
				2.65	1	0.42324587	1	99	1	1.99563519	1							
				2.65	1	0.42324587	1	99	1	1.99563519	1							
				2.65	1	0.42324587	1	98.6	1	1.99387691	1							
				2.64	1	0.42160393	1	98.5	1	1.99343623	1							
				2.6	1	0.41497335	1	98.4	1	1.9929951	1							
				2.6	1	0.41497335	1	98	1	1.99122608	1							
				2.6	1	0.41497335	1	97.5	1	1.98900462	1							
				2.6	1	0.41497335	1	97.3	1	1.98811284	1							
				2.6	1	0.41497335	1	97	1	1.98677173	1							
				2.58	1	0.41161971	1	97	1	1.98677173	1							
				2.55	1	0.40654018	1	96.5	1	1.98452731	1							
				2.55	1	0.40654018	1	96.5	1	1.98452731	1							
				2.55	1	0.40654018	1	96.1	1	1.98272339	1							
				2.55	1	0.40654018	1	96	1	1.98227123	1							
				2.55	1	0.40654018	1	95.9	1	1.98181861	1							
				2.55	1	0.40654018	1	95.5	1	1.98000337	1							
				2.55	1	0.40654018	1	95.5	1	1.98000337	1							
				2.54	1	0.40483372	1	95	1	1.97772361	1							
				2.53	1	0.40312052	1	94.5	1	1.97543181	1							
				2.52	1	0.40140054	1	94.5	1	1.97543181	1							
				2.51	1	0.39967372	1	94.3	1	1.97451169	1							
				2.5	1	0.39794001	1	93.5	1	1.97081161	1							
				2.5	1	0.39794001	1	93.4	1	1.97034688	1							

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Antimony	d_Antimony	Antimony Log	d_Antimony Log	Arsenic	d_Arsenic	Arsenic Log	d_Arsenic Log	Barium	d_Barium	Barium Log	d_Barium Log	Beryllium	d_Beryllium	Beryllium Log	d_Beryllium Log	Cadmium	d_Cadmium	Cadmium Log
				2.5	1	0.39794001	1	93	1	1.96848295	1							
				2.48	1	0.39445168	1	92.7	1	1.96707973	1							
				2.45	1	0.38916608	1	92.5	1	1.96614173	1							
				2.45	1	0.38916608	1	92.5	1	1.96614173	1							
				2.45	1	0.38916608	1	92	1	1.96378783	1							
				2.45	1	0.38916608	1	91.3	1	1.96047078	1							
				2.42	1	0.38381537	1	90.5	1	1.95664858	1							
				2.4	1	0.38021124	1	90	1	1.95424251	1							
				2.3	1	0.36172784	1	90	1	1.95424251	1							
				2.28	1	0.35793485	1	89.6	1	1.95230801	1							
				2.26	1	0.35410844	1	89.5	1	1.95182304	1							
				2.25	1	0.35218252	1	89.5	1	1.95182304	1							
				2.25	1	0.35218252	1	89.4	1	1.95133752	1							
				2.22	1	0.34635297	1	89	1	1.94939001	1							
				2.2	1	0.34242268	1	89	1	1.94939001	1							
				2.2	1	0.34242268	1	88.5	1	1.94694327	1							
				2.17	1	0.33645973	1	88	1	1.94448267	1							
				2.1	1	0.32221929	1	87.7	1	1.94299959	1							
				2.1	1	0.32221929	1	87	1	1.93951925	1							
				2.09	1	0.32014629	1	87	1	1.93951925	1							
				2.08	1	0.31806333	1	87	1	1.93951925	1							
				2.05	1	0.31175386	1	86.5	1	1.93701611	1							
				2.05	1	0.31175386	1	86.5	1	1.93701611	1							
				2.05	1	0.31175386	1	86	1	1.93449845	1							
				2.03	1	0.30749604	1	86	1	1.93449845	1							
				2.01	1	0.30319606	1	86	1	1.93449845	1							
				1.96	1	0.29225607	1	85	1	1.92941893	1							
				1.95	1	0.29003461	1	85	1	1.92941893	1							
				1.95	1	0.29003461	1	84.6	1	1.92737036	1							
				1.95	1	0.29003461	1	84.5	1	1.92685671	1							
				1.95	1	0.29003461	1	83.9	1	1.92376196	1							
				1.95	1	0.29003461	1	83.5	1	1.92168648	1							
				1.94	1	0.28780173	1	83	1	1.91907809	1							
				1.9	1	0.2787536	1	83	1	1.91907809	1							
				1.86	1	0.26951294	1	83	1	1.91907809	1							
				1.85	1	0.26717173	1	83	1	1.91907809	1							
				1.85	1	0.26717173	1	82.7	1	1.91750551	1							
				1.8	1	0.25527251	1	82	1	1.91381385	1							
				1.75	1	0.24303805	1	81.5	1	1.91115761	1							
				1.75	1	0.24303805	1	81	1	1.90848502	1							
				1.7	1	0.23044892	1	81	1	1.90848502	1							
				1.7	1	0.23044892	1	80	1	1.90308999	1							
				1.7	1	0.23044892	1	80	1	1.90308999	1							
				1.6	1	0.20411998	1	79.5	1	1.90036713	1							
				1.56	1	0.1931246	1	78.5	1	1.89486966	1							
				1.55	1	0.1903317	1	78.5	1	1.89486966	1							
				1.55	1	0.1903317	1	77.5	1	1.8893017	1							
				1.45	1	0.161368	1	77	1	1.88649073	1							
				1.45	1	0.161368	1	76.8	1	1.88536122	1							
				1.35	1	0.13033377	1	76.3	1	1.88252454	1							
				1.25	1	0.09691001	1	76	1	1.88081359	1							
				1.15	1	0.06069784	1	76	1	1.88081359	1							
				0.914	1	-0.0390538	1	76	1	1.88081359	1							
				0.743	1	-0.1290112	1	75.4	1	1.87737135	1							
								74	1	1.86923172	1							
								74	1	1.86923172	1							
								73.4	1	1.86569606	1							
								72.9	1	1.86272753	1							
								72.6	1	1.86093662	1							
								72	1	1.8573325	1							
								71.7	1	1.85551916	1							

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Antimony	d_Antimony	Antimony Log	d_Antimony Log	Arsenic	d_Arsenic	Arsenic Log	d_Arsenic Log	Barium	d_Barium	Barium Log	d_Barium Log	Beryllium	d_Beryllium	Beryllium Log	d_Beryllium Log	Cadmium	d_Cadmium	Cadmium Log
								71	1	1.85125835	1							
								69.5	1	1.8419848	1							
								69.5	1	1.8419848	1							
								69.5	1	1.8419848	1							
								68.4	1	1.8350561	1							
								67.9	1	1.83186977	1							
								67.7	1	1.83058867	1							
								66.5	1	1.82282165	1							
								58.5	1	1.76715587	1							
								25.7	1	1.40993312	1							
								16.4	1	1.21484385	1							

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

d_Cadmium Log	Chromium	d_Chromium	Chromium Log	d_Chromium Log	Cobalt	d_Cobalt	Cobalt Log	d_Cobalt Log	Copper	d_Copper	Copper Log	d_Copper Log	Lead	d_Lead	Lead Log	d_Lead Log	Mercury	d_Mercury	Mercury Log	d_Mercury Log
1	32.7	1	1.514547753	1	84.8	1	1.9283959	1	2940	1	3.46834733	1	61.5	1	1.78888	1	3	1	0.477121255	1
1	30.7	1	1.487138375	1	47.4	1	1.6757783	1	36.2	1	1.55870857	1	43.4	1	1.63749	1	0.3	1	-0.52287875	1
1	30.3	1	1.481442629	1	17.8	1	1.25042	1	34.9	1	1.54282543	1	26.2	1	1.4183	1	0.1	1	-1	1
1	29.7	1	1.472756449	1	16.6	1	1.2201081	1	33.8	1	1.5289167	1	24.1	1	1.38202	1	0.1	1	-1	1
1	29.4	1	1.46834733	1	15.4	1	1.1875207	1	33.4	1	1.52374647	1	23.2	1	1.36549	1	0.0981	1	-1.00833099	1
1	29.3	1	1.46686762	1	11.4	1	1.0569049	1	32.7	1	1.51454775	1	16.9	1	1.22789	1	0.0837	1	-1.07727454	1
1	29	1	1.462397998	1	10.8	1	1.0334238	1	32.5	1	1.51188336	1	16.9	1	1.22789	1				
1	28.9	1	1.460897843	1	10.3	1	1.0128372	1	31.8	1	1.50242712	1	15.5	1	1.19033	1				
1	28.2	1	1.450249108	1	10.1	1	1.0043214	1	31.6	1	1.49968708	1	15.5	1	1.19033	1				
1	27.9	1	1.445604203	1	10	1	1	1	31.2	1	1.49415459	1	14	1	1.14613	1				
1	27.7	1	1.442479769	1	9.82	1	0.9921115	1	30.8	1	1.48855072	1	14	1	1.14613	1				
1	27.5	1	1.439332694	1	9.7	1	0.9867717	1	30.4	1	1.48287358	1	13.6	1	1.13354	1				
1	27.3	1	1.436162647	1	9.65	1	0.9845273	1	30.2	1	1.48000694	1	13.2	1	1.12057	1				
1	27.3	1	1.436162647	1	9.5	1	0.9777236	1	29.9	1	1.47567119	1	13	1	1.11394	1				
1	27.3	1	1.436162647	1	9.35	1	0.9708116	1	29.2	1	1.46538285	1	12.2	1	1.08636	1				
1	26.7	1	1.426511261	1	9.31	1	0.9689497	1	29.1	1	1.46389299	1	12.2	1	1.08636	1				
1	26.4	1	1.421603927	1	9.15	1	0.9614211	1	29	1	1.462398	1	12.1	1	1.08279	1				
1	25.9	1	1.413299764	1	9.13	1	0.9604708	1	28.9	1	1.46089784	1	11.9	1	1.07555	1				
1	25.7	1	1.409933123	1	9.06	1	0.9571282	1	28.4	1	1.45331834	1	11.7	1	1.06819	1				
1	25.4	1	1.404833717	1	9.03	1	0.9556878	1	28.2	1	1.45024911	1	11	1	1.04139	1				
1	25.1	1	1.399673721	1	8.96	1	0.952308	1	27.9	1	1.4456042	1	11	1	1.04139	1				
1	25.1	1	1.399673721	1	8.95	1	0.951823	1	27.8	1	1.4440448	1	11	1	1.04139	1				
1	24.8	1	1.394451681	1	8.85	1	0.9469433	1	27.7	1	1.44247977	1	10.8	1	1.03342	1				
1	24.8	1	1.394451681	1	8.85	1	0.9469433	1	27.4	1	1.43775056	1	10.2	1	1.0086	1				
1	24.8	1	1.394451681	1	8.8	1	0.9444827	1	27	1	1.43136376	1	10.2	1	1.0086	1				
1	24.3	1	1.385606274	1	8.8	1	0.9444827	1	26.9	1	1.42975228	1	10.2	1	1.0086	1				
1	24.3	1	1.385606274	1	8.79	1	0.9439889	1	26.7	1	1.42651126	1	9.3	1	0.96848	1				
1	24.2	1	1.383815366	1	8.75	1	0.9420081	1	26.6	1	1.42488164	1	9	1	0.95424	1				
1	24.1	1	1.382017043	1	8.75	1	0.9420081	1	26.5	1	1.42324587	1	8.85	1	0.94694	1				
1	24	1	1.380211242	1	8.7	1	0.9395193	1	26.4	1	1.42160393	1	8.6	1	0.9345	1				
1	24	1	1.380211242	1	8.65	1	0.9370161	1	26.1	1	1.41664051	1	8.55	1	0.93197	1				
1	23.9	1	1.378397901	1	8.65	1	0.9370161	1	26.1	1	1.41664051	1	8.4	1	0.92428	1				
1	23.9	1	1.378397901	1	8.64	1	0.9365137	1	26	1	1.41497335	1	8.15	1	0.91116	1				
1	23.9	1	1.378397901	1	8.6	1	0.9344985	1	25.9	1	1.41329976	1	8.05	1	0.9058	1				
1	23.7	1	1.374748346	1	8.6	1	0.9344985	1	25.9	1	1.41329976	1	8	1	0.90309	1				
1	23.5	1	1.371067862	1	8.57	1	0.9329808	1	25.8	1	1.41161971	1	7.9	1	0.89763	1				
1	23.3	1	1.367355921	1	8.5	1	0.9294189	1	25.7	1	1.40993312	1	7.85	1	0.89487	1				
1	23.3	1	1.367355921	1	8.45	1	0.9268567	1	25.5	1	1.40654018	1	7.85	1	0.89487	1				
1	23.2	1	1.365487985	1	8.42	1	0.9253121	1	25.5	1	1.40654018	1	7.85	1	0.89487	1				
1	23.1	1	1.36361198	1	8.41	1	0.924796	1	25.4	1	1.40483372	1	7.75	1	0.8893	1				
1	23	1	1.361727836	1	8.4	1	0.9242793	1	25.4	1	1.40483372	1	7.75	1	0.8893	1				
1	23	1	1.361727836	1	8.4	1	0.9242793	1	25.4	1	1.40483372	1	7.75	1	0.8893	1				
1	23	1	1.361727836	1	8.35	1	0.9216865	1	25.3	1	1.40312052	1	7.7	1	0.88649	1				
1	22.7	1	1.356025857	1	8.32	1	0.9201233	1	25.3	1	1.40312052	1	7.45	1	0.87216	1				
1	22.3	1	1.348304863	1	8.31	1	0.919601	1	25.3	1	1.40312052	1	7.4	1	0.86923	1				
1	22.2	1	1.346352974	1	8.3	1	0.9190781	1	25.2	1	1.40140054	1	7.35	1	0.86629	1				
1	22.1	1	1.344392274	1	8.25	1	0.9164539	1	25.2	1	1.40140054	1	7.2	1	0.85733	1				
1	22.1	1	1.344392274	1	8.25	1	0.9164539	1	25.2	1	1.40140054	1	6.98	1	0.84386	1				
1	22	1	1.342422681	1	8.25	1	0.9164539	1	25	1	1.39794001	1	6.95	1	0.84198	1				
1	22	1	1.342422681	1	8.21	1	0.9143432	1	25	1	1.39794001	1	6.75	1	0.8293	1				
1	21.9	1	1.340444115	1	8.2	1	0.9138139	1	24.9	1	1.39619935	1	6.65	1	0.82282	1				
1	21.9	1	1.340444115	1	8.19	1	0.9132839	1	24.8	1	1.39445168	1	6.65	1	0.82282	1				
1	21.8	1	1.338456494	1	8.15	1	0.9111576	1	24.7	1	1.39269695	1	6.65	1	0.82282	1				
1	21.8	1	1.338456494	1	8.15	1	0.9111576	1	24.6	1	1.39093511	1	6.5	1	0.81291	1				
1	21.7	1	1.336459734	1	8.14	1	0.9106244	1	24.4	1	1.38738983	1	6.45	1	0.80956	1				
1	21.7	1	1.336459734	1	8.13	1	0.9100905	1	24.4	1	1.38738983	1	6.45	1	0.80956	1				
1	21.6	1	1.334453751	1	8.12	1	0.909556	1	24.3	1	1.38560627	1	6.45	1	0.80956	1				
1	21.6	1	1.334453751	1	8.09	1	0.9079485	1	24.1	1	1.38201704	1	6.44	1	0.80889	1				
1	21.6	1	1.334453751	1	8.08	1	0.9074114	1	24	1	1.38021124	1	6.4	1	0.80618	1				
1	21.5	1	1.33243846	1	8.07	1	0.9068735	1	24	1	1.38021124	1	6.3	1	0.79934	1				
1	21.5	1	1.33243846	1	8.06	1	0.906335	1	23.9	1	1.3783979	1	6.2	1	0.79239	1				

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

d_Cadmium Log	Chromium	d_Chromium	Chromium Log	d_Chromium Log	Cobalt	d_Cobalt	Cobalt Log	d_Cobalt Log	Copper	d_Copper	Copper Log	d_Copper Log	Lead	d_Lead	Lead Log	d_Lead Log	Mercury	d_Mercury	Mercury Log	d_Mercury Log
1	21.5	1	1.33243846	1	8.05	1	0.9057959	1	23.9	1	1.3783979	1	6.2	1	0.79239	1				
1	21.4	1	1.330413773	1	8.05	1	0.9057959	1	23.9	1	1.3783979	1	6.15	1	0.78888	1				
1	21.1	1	1.324282455	1	8.05	1	0.9057959	1	23.8	1	1.37657696	1	6.05	1	0.78176	1				
1	21	1	1.322219295	1	7.98	1	0.9020029	1	23.8	1	1.37657696	1	6.05	1	0.78176	1				
1	21	1	1.322219295	1	7.97	1	0.9014583	1	23.7	1	1.37474835	1	6.03	1	0.78032	1				
1	20.9	1	1.320146286	1	7.95	1	0.9003671	1	23.7	1	1.37474835	1	5.95	1	0.77452	1				
1	20.8	1	1.318063335	1	7.95	1	0.9003671	1	23.7	1	1.37474835	1	5.85	1	0.76716	1				
1	20.8	1	1.318063335	1	7.95	1	0.9003671	1	23.6	1	1.372912	1	5.85	1	0.76716	1				
1	20.8	1	1.318063335	1	7.94	1	0.8998205	1	23.6	1	1.372912	1	5.7	1	0.75587	1				
1	20.7	1	1.315970345	1	7.88	1	0.8965262	1	23.6	1	1.372912	1	5.7	1	0.75587	1				
1	20.6	1	1.31386722	1	7.87	1	0.8959747	1	23.5	1	1.37106786	1	5.7	1	0.75587	1				
1	20.6	1	1.31386722	1	7.87	1	0.8959747	1	23.5	1	1.37106786	1	5.65	1	0.75205	1				
1	20.4	1	1.309630167	1	7.86	1	0.8954225	1	23.5	1	1.37106786	1	5.65	1	0.75205	1				
1	20.4	1	1.309630167	1	7.85	1	0.8948697	1	23.5	1	1.37106786	1	5.6	1	0.74819	1				
1	20.3	1	1.307496038	1	7.84	1	0.8943161	1	23.4	1	1.36921586	1	5.6	1	0.74819	1				
1	20.3	1	1.307496038	1	7.83	1	0.8937618	1	23.4	1	1.36921586	1	5.5	1	0.74036	1				
1	20.3	1	1.307496038	1	7.83	1	0.8937618	1	23.4	1	1.36921586	1	5.45	1	0.7364	1				
1	20.2	1	1.305351369	1	7.8	1	0.8920946	1	23.4	1	1.36921586	1	5.42	1	0.734	1				
1	20.2	1	1.305351369	1	7.8	1	0.8920946	1	23.1	1	1.36361198	1	5.35	1	0.72835	1				
1	20.2	1	1.305351369	1	7.77	1	0.890421	1	23.1	1	1.36361198	1	5.2	1	0.716	1				
1	20.2	1	1.305351369	1	7.75	1	0.8893017	1	23.1	1	1.36361198	1	5.2	1	0.716	1				
1	20.1	1	1.303196057	1	7.75	1	0.8893017	1	23	1	1.36172784	1	5.15	1	0.71181	1				
1	19.9	1	1.298853076	1	7.7	1	0.8864907	1	23	1	1.36172784	1	5.15	1	0.71181	1				
1	19.9	1	1.298853076	1	7.7	1	0.8864907	1	23	1	1.36172784	1	5.1	1	0.70757	1				
1	19.8	1	1.29666519	1	7.7	1	0.8864907	1	23	1	1.36172784	1	5.1	1	0.70757	1				
1	19.8	1	1.29666519	1	7.7	1	0.8864907	1	22.9	1	1.35983548	1	5.06	1	0.70415	1				
1	19.8	1	1.29666519	1	7.7	1	0.8864907	1	22.9	1	1.35983548	1	5.05	1	0.70329	1				
1	19.8	1	1.29666519	1	7.7	1	0.8864907	1	22.9	1	1.35983548	1	5.05	1	0.70329	1				
1	19.7	1	1.294466226	1	7.7	1	0.8864907	1	22.9	1	1.35983548	1	5.05	1	0.70329	1				
1	19.6	1	1.292256071	1	7.68	1	0.8853612	1	22.9	1	1.35983548	1	5.05	1	0.70329	1				
1	19.6	1	1.292256071	1	7.65	1	0.8836614	1	22.8	1	1.35793485	1	5.05	1	0.70329	1				
1	19.6	1	1.292256071	1	7.65	1	0.8836614	1	22.8	1	1.35793485	1	5	1	0.69897	1				
1	19.6	1	1.292256071	1	7.63	1	0.8825245	1	22.7	1	1.35602586	1	4.96	1	0.69548	1				
1	19.5	1	1.290034611	1	7.61	1	0.8813847	1	22.7	1	1.35602586	1	4.96	1	0.69548	1				
1	19.5	1	1.290034611	1	7.61	1	0.8813847	1	22.7	1	1.35602586	1	4.91	1	0.69108	1				
1	19.5	1	1.290034611	1	7.6	1	0.8808136	1	22.6	1	1.35410844	1	4.9	1	0.6902	1				
1	19.5	1	1.290034611	1	7.6	1	0.8808136	1	22.6	1	1.35410844	1	4.85	1	0.68574	1				
1	19.4	1	1.28780173	1	7.6	1	0.8808136	1	22.6	1	1.35410844	1	4.85	1	0.68574	1				
1	19.4	1	1.28780173	1	7.6	1	0.8808136	1	22.5	1	1.35218252	1	4.84	1	0.68485	1				
1	19.4	1	1.28780173	1	7.59	1	0.8802418	1	22.5	1	1.35218252	1	4.8	1	0.68124	1				
1	19.4	1	1.28780173	1	7.58	1	0.8796692	1	22.4	1	1.35024802	1	4.8	1	0.68124	1				
1	19.4	1	1.28780173	1	7.58	1	0.8796692	1	22.3	1	1.34830486	1	4.8	1	0.68124	1				
1	19.3	1	1.285557309	1	7.57	1	0.8790959	1	22.1	1	1.34439227	1	4.7	1	0.6721	1				
1	19.3	1	1.285557309	1	7.56	1	0.8785218	1	22	1	1.34242268	1	4.7	1	0.6721	1				
1	19.3	1	1.285557309	1	7.55	1	0.877947	1	22	1	1.34242268	1	4.7	1	0.6721	1				
1	19.2	1	1.283301229	1	7.55	1	0.877947	1	22	1	1.34242268	1	4.7	1	0.6721	1				
1	19.2	1	1.283301229	1	7.55	1	0.877947	1	21.9	1	1.34044411	1	4.7	1	0.6721	1				
1	19	1	1.278753601	1	7.55	1	0.877947	1	21.8	1	1.33845649	1	4.63	1	0.66558	1				
1	19	1	1.278753601	1	7.52	1	0.8762178	1	21.8	1	1.33845649	1	4.61	1	0.6637	1				
1	19	1	1.278753601	1	7.5	1	0.8750613	1	21.8	1	1.33845649	1	4.6	1	0.66276	1				
1	19	1	1.278753601	1	7.5	1	0.8750613	1	21.8	1	1.33845649	1	4.6	1	0.66276	1				
1	19	1	1.278753601	1	7.5	1	0.8750613	1	21.8	1	1.33845649	1	4.6	1	0.66276	1				
1	18.9	1	1.276461804	1	7.47	1	0.8733206	1	21.8	1	1.33845649	1	4.6	1	0.66276	1				
1	18.9	1	1.276461804	1	7.45	1	0.8721563	1	21.7	1	1.33645973	1	4.6	1	0.66276	1				
1	18.9	1	1.276461804	1	7.45	1	0.8721563	1	21.7	1	1.33645973	1	4.55	1	0.65801	1				
1	18.9	1	1.276461804	1	7.45	1	0.8721563	1	21.6	1	1.33445375	1	4.55	1	0.65801	1				
1	18.9	1	1.276461804	1	7.45	1	0.8721563	1	21.6	1	1.33445375	1	4.55	1	0.65801	1				
1	18.9	1	1.276461804	1	7.41	1	0.8698182	1	21.5	1	1.33243846	1	4.53	1	0.6561	1				
1	18.9	1	1.276461804	1	7.4	1	0.8692317	1	21.5	1	1.33243846	1	4.52	1	0.65514	1				
1	18.9	1	1.276461804	1	7.4	1	0.8692317	1	21.4	1	1.33041377	1	4.5	1	0.65321	1				
1	18.8	1	1.274157849	1	7.39	1	0.8686444	1	21.3	1	1.3283796	1	4.5	1	0.65321	1				

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

d_Cadmium Log	Chromium	d_Chromium	Chromium Log	d_Chromium Log	Cobalt	d_Cobalt	Cobalt Log	d_Cobalt Log	Copper	d_Copper	Copper Log	d_Copper Log	Lead	d_Lead	Lead Log	d_Lead Log	Mercury	d_Mercury	Mercury Log	d_Mercury Log
1	18.8	1	1.274157849	1	7.36	1	0.8668778	1	21.2	1	1.32633586	1	4.45	1	0.64836	1				
1	18.8	1	1.274157849	1	7.35	1	0.8662873	1	21.2	1	1.32633586	1	4.45	1	0.64836	1				
1	18.8	1	1.274157849	1	7.35	1	0.8662873	1	21.2	1	1.32633586	1	4.45	1	0.64836	1				
1	18.7	1	1.271841607	1	7.33	1	0.865104	1	21.2	1	1.32633586	1	4.45	1	0.64836	1				
1	18.7	1	1.271841607	1	7.31	1	0.8639174	1	21	1	1.32221929	1	4.43	1	0.6464	1				
1	18.7	1	1.271841607	1	7.31	1	0.8639174	1	21	1	1.32221929	1	4.4	1	0.64345	1				
1	18.7	1	1.271841607	1	7.3	1	0.8633229	1	20.9	1	1.32014629	1	4.4	1	0.64345	1				
1	18.7	1	1.271841607	1	7.3	1	0.8633229	1	20.7	1	1.31597035	1	4.4	1	0.64345	1				
1	18.6	1	1.269512944	1	7.3	1	0.8633229	1	20.6	1	1.31386722	1	4.4	1	0.64345	1				
1	18.6	1	1.269512944	1	7.3	1	0.8633229	1	20.6	1	1.31386722	1	4.4	1	0.64345	1				
1	18.6	1	1.269512944	1	7.3	1	0.8633229	1	20.6	1	1.31386722	1	4.37	1	0.64048	1				
1	18.5	1	1.267171728	1	7.3	1	0.8633229	1	20.6	1	1.31386722	1	4.35	1	0.63849	1				
1	18.5	1	1.267171728	1	7.29	1	0.8627275	1	20.6	1	1.31386722	1	4.35	1	0.63849	1				
1	18.5	1	1.267171728	1	7.26	1	0.8609366	1	20.5	1	1.31175386	1	4.35	1	0.63849	1				
1	18.5	1	1.267171728	1	7.25	1	0.860338	1	20.5	1	1.31175386	1	4.35	1	0.63849	1				
1	18.4	1	1.264817823	1	7.25	1	0.860338	1	20.5	1	1.31175386	1	4.33	1	0.63649	1				
1	18.4	1	1.264817823	1	7.25	1	0.860338	1	20.4	1	1.30963017	1	4.31	1	0.63448	1				
	18.4	1	1.264817823	1	7.25	1	0.860338	1	20.4	1	1.30963017	1	4.3	1	0.63347	1				
	18.3	1	1.26245109	1	7.25	1	0.860338	1	20.3	1	1.30749604	1	4.3	1	0.63347	1				
	18.3	1	1.26245109	1	7.2	1	0.8573325	1	20.3	1	1.30749604	1	4.28	1	0.63144	1				
	18.3	1	1.26245109	1	7.2	1	0.8573325	1	20.2	1	1.30535137	1	4.27	1	0.63043	1				
	18.3	1	1.26245109	1	7.2	1	0.8573325	1	20.2	1	1.30535137	1	4.25	1	0.62839	1				
	18.2	1	1.260071388	1	7.2	1	0.8573325	1	20.2	1	1.30535137	1	4.23	1	0.62634	1				
	18.2	1	1.260071388	1	7.2	1	0.8573325	1	20.2	1	1.30535137	1	4.2	1	0.62325	1				
	18.2	1	1.260071388	1	7.2	1	0.8573325	1	20.2	1	1.30535137	1	4.2	1	0.62325	1				
	18.1	1	1.257678575	1	7.16	1	0.854913	1	20.2	1	1.30535137	1	4.2	1	0.62325	1				
	18.1	1	1.257678575	1	7.15	1	0.854306	1	20.1	1	1.30319606	1	4.2	1	0.62325	1				
	18.1	1	1.257678575	1	7.15	1	0.854306	1	20.1	1	1.30319606	1	4.2	1	0.62325	1				
	18	1	1.255272505	1	7.15	1	0.854306	1	20	1	1.30103	1	4.18	1	0.62118	1				
	18	1	1.255272505	1	7.15	1	0.854306	1	20	1	1.30103	1	4.15	1	0.61805	1				
	18	1	1.255272505	1	7.15	1	0.854306	1	20	1	1.30103	1	4.15	1	0.61805	1				
	17.9	1	1.252853031	1	7.14	1	0.8536982	1	20	1	1.30103	1	4.15	1	0.61805	1				
	17.9	1	1.252853031	1	7.12	1	0.85248	1	19.9	1	1.29885308	1	4.15	1	0.61805	1				
	17.9	1	1.252853031	1	7.12	1	0.85248	1	19.8	1	1.29666519	1	4.1	1	0.61278	1				
	17.9	1	1.252853031	1	7.1	1	0.8512583	1	19.7	1	1.29446623	1	4.1	1	0.61278	1				
	17.8	1	1.250420002	1	7.1	1	0.8512583	1	19.7	1	1.29446623	1	4.1	1	0.61278	1				
	17.8	1	1.250420002	1	7.09	1	0.8506462	1	19.7	1	1.29446623	1	4.1	1	0.61278	1				
	17.8	1	1.250420002	1	7.08	1	0.8500333	1	19.6	1	1.29225607	1	4.1	1	0.61278	1				
	17.7	1	1.247973266	1	7.07	1	0.8494194	1	19.6	1	1.29225607	1	4.1	1	0.61278	1				
	17.6	1	1.245512668	1	7.07	1	0.8494194	1	19.6	1	1.29225607	1	4.1	1	0.61278	1				
	17.6	1	1.245512668	1	7.05	1	0.8481891	1	19.6	1	1.29225607	1	4.1	1	0.61278	1				
	17.6	1	1.245512668	1	7.05	1	0.8481891	1	19.6	1	1.29225607	1	4.09	1	0.61172	1				
	17.5	1	1.243038049	1	7.05	1	0.8481891	1	19.6	1	1.29225607	1	4.05	1	0.60746	1				
	17.5	1	1.243038049	1	7.05	1	0.8481891	1	19.6	1	1.29225607	1	4	1	0.60206	1				
	17.5	1	1.243038049	1	7.03	1	0.8469553	1	19.6	1	1.29225607	1	4	1	0.60206	1				
	17.4	1	1.240549248	1	7.03	1	0.8469553	1	19.5	1	1.29003461	1	3.96	1	0.5977	1				
	17.4	1	1.240549248	1	7	1	0.845098	1	19.5	1	1.29003461	1	3.95	1	0.5966	1				
	17.4	1	1.240549248	1	7	1	0.845098	1	19.5	1	1.29003461	1	3.95	1	0.5966	1				
	17.4	1	1.240549248	1	6.98	1	0.8438554	1	19.4	1	1.28780173	1	3.95	1	0.5966	1				
	17.3	1	1.238046103	1	6.97	1	0.8432328	1	19.3	1	1.28555731	1	3.95	1	0.5966	1				
	17.3	1	1.238046103	1	6.95	1	0.8419848	1	19.3	1	1.28555731	1	3.95	1	0.5966	1				
	17.2	1	1.235528447	1	6.95	1	0.8419848	1	19.2	1	1.28330123	1	3.95	1	0.5966	1				
	17.2	1	1.235528447	1	6.95	1	0.8419848	1	19.2	1	1.28330123	1	3.94	1	0.5955	1				
	17.1	1	1.23299611	1	6.95	1	0.8419848	1	19.1	1	1.28103337	1	3.91	1	0.59218	1				
	17.1	1	1.23299611	1	6.94	1	0.8413595	1	19.1	1	1.28103337	1	3.91	1	0.59218	1				
	17.1	1	1.23299611	1	6.93	1	0.8407332	1	19.1	1	1.28103337	1	3.9	1	0.59106	1				
	17.1	1	1.23299611	1	6.92	1	0.8401061	1	19	1	1.2787536	1	3.9	1	0.59106	1				
	17	1	1.230448921	1	6.9	1	0.8388491	1	18.9	1	1.2764618	1	3.9	1	0.59106	1				
	17	1	1.230448921	1	6.9	1	0.8388491	1	18.9	1	1.2764618	1	3.9	1	0.59106	1				
	17	1	1.230448921	1	6.9	1	0.8388491	1	18.9	1	1.2764618	1	3.89	1	0.58995	1				
	17	1	1.230448921	1	6.9	1	0.8388491	1	18.8	1	1.27415785	1	3.87	1	0.58771	1				

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

d_Cadmium Log	Chromium	d_Chromium	Chromium Log	d_Chromium Log	Cobalt	d_Cobalt	Cobalt Log	d_Cobalt Log	Copper	d_Copper	Copper Log	d_Copper Log	Lead	d_Lead	Lead Log	d_Lead Log	Mercury	d_Mercury	Mercury Log	d_Mercury Log
	16.9	1	1.227886705	1	6.9	1	0.8388491	1	18.8	1	1.27415785	1	3.85	1	0.58546	1				
	16.9	1	1.227886705	1	6.88	1	0.8375884	1	18.7	1	1.27184161	1	3.85	1	0.58546	1				
	16.8	1	1.225309282	1	6.87	1	0.8369567	1	18.7	1	1.27184161	1	3.82	1	0.58206	1				
	16.8	1	1.225309282	1	6.85	1	0.8356906	1	18.6	1	1.26951294	1	3.81	1	0.58092	1				
	16.8	1	1.225309282	1	6.85	1	0.8356906	1	18.5	1	1.26717173	1	3.8	1	0.57978	1				
	16.8	1	1.225309282	1	6.83	1	0.8344207	1	18.4	1	1.26481782	1	3.8	1	0.57978	1				
	16.8	1	1.225309282	1	6.82	1	0.8337844	1	18.4	1	1.26481782	1	3.8	1	0.57978	1				
	16.8	1	1.225309282	1	6.8	1	0.8325089	1	18.4	1	1.26481782	1	3.8	1	0.57978	1				
	16.7	1	1.222716471	1	6.8	1	0.8325089	1	18.3	1	1.26245109	1	3.77	1	0.57634	1				
	16.7	1	1.222716471	1	6.8	1	0.8325089	1	18.3	1	1.26245109	1	3.76	1	0.57519	1				
	16.7	1	1.222716471	1	6.79	1	0.8318698	1	18.3	1	1.26245109	1	3.76	1	0.57519	1				
	16.6	1	1.220108088	1	6.76	1	0.8299467	1	18.3	1	1.26245109	1	3.75	1	0.57403	1				
	16.6	1	1.220108088	1	6.75	1	0.8293038	1	18.3	1	1.26245109	1	3.75	1	0.57403	1				
	16.5	1	1.217483944	1	6.75	1	0.8293038	1	18.2	1	1.26007139	1	3.75	1	0.57403	1				
	16.5	1	1.217483944	1	6.73	1	0.8280151	1	18.1	1	1.25767857	1	3.75	1	0.57403	1				
	16.5	1	1.217483944	1	6.72	1	0.8273693	1	18	1	1.25527251	1	3.74	1	0.57287	1				
	16.5	1	1.217483944	1	6.7	1	0.8260748	1	18	1	1.25527251	1	3.73	1	0.57171	1				
	16.4	1	1.214843848	1	6.7	1	0.8260748	1	18	1	1.25527251	1	3.7	1	0.5682	1				
	16.3	1	1.212187604	1	6.7	1	0.8260748	1	17.9	1	1.25285303	1	3.7	1	0.5682	1				
	16.3	1	1.212187604	1	6.7	1	0.8260748	1	17.9	1	1.25285303	1	3.7	1	0.5682	1				
	16.3	1	1.212187604	1	6.7	1	0.8260748	1	17.8	1	1.25042	1	3.7	1	0.5682	1				
	16.2	1	1.209515015	1	6.66	1	0.8234742	1	17.8	1	1.25042	1	3.7	1	0.5682	1				
	16.2	1	1.209515015	1	6.65	1	0.8228216	1	17.8	1	1.25042	1	3.7	1	0.5682	1				
	16.1	1	1.206825876	1	6.65	1	0.8228216	1	17.8	1	1.25042	1	3.66	1	0.56348	1				
	16.1	1	1.206825876	1	6.65	1	0.8228216	1	17.7	1	1.24797327	1	3.65	1	0.56229	1				
	16.1	1	1.206825876	1	6.64	1	0.8221681	1	17.7	1	1.24797327	1	3.65	1	0.56229	1				
	16	1	1.204119983	1	6.6	1	0.8195439	1	17.7	1	1.24797327	1	3.63	1	0.55991	1				
	16	1	1.204119983	1	6.6	1	0.8195439	1	17.6	1	1.24551267	1	3.6	1	0.5563	1				
	16	1	1.204119983	1	6.6	1	0.8195439	1	17.6	1	1.24551267	1	3.6	1	0.5563	1				
	16	1	1.204119983	1	6.6	1	0.8195439	1	17.6	1	1.24551267	1	3.6	1	0.5563	1				
	15.9	1	1.201397124	1	6.6	1	0.8195439	1	17.6	1	1.24551267	1	3.6	1	0.5563	1				
	15.9	1	1.201397124	1	6.6	1	0.8195439	1	17.6	1	1.24551267	1	3.6	1	0.5563	1				
	15.9	1	1.201397124	1	6.6	1	0.8195439	1	17.5	1	1.24303805	1	3.6	1	0.5563	1				
	15.9	1	1.201397124	1	6.6	1	0.8195439	1	17.4	1	1.24054925	1	3.6	1	0.5563	1				
	15.9	1	1.201397124	1	6.58	1	0.8182259	1	17.4	1	1.24054925	1	3.59	1	0.55509	1				
	15.9	1	1.201397124	1	6.55	1	0.8162413	1	17.4	1	1.24054925	1	3.58	1	0.55388	1				
	15.8	1	1.198657087	1	6.55	1	0.8162413	1	17.4	1	1.24054925	1	3.57	1	0.55267	1				
	15.8	1	1.198657087	1	6.55	1	0.8162413	1	17.4	1	1.24054925	1	3.57	1	0.55267	1				
	15.8	1	1.198657087	1	6.5	1	0.8129134	1	17.3	1	1.2380461	1	3.56	1	0.55145	1				
	15.8	1	1.198657087	1	6.5	1	0.8129134	1	17.3	1	1.2380461	1	3.55	1	0.55023	1				
	15.7	1	1.195899652	1	6.5	1	0.8129134	1	17.2	1	1.23552845	1	3.55	1	0.55023	1				
	15.7	1	1.195899652	1	6.5	1	0.8129134	1	17.2	1	1.23552845	1	3.55	1	0.55023	1				
	15.7	1	1.195899652	1	6.5	1	0.8129134	1	17.1	1	1.23299611	1	3.5	1	0.54407	1				
	15.7	1	1.195899652	1	6.49	1	0.8122447	1	17.1	1	1.23299611	1	3.5	1	0.54407	1				
	15.7	1	1.195899652	1	6.48	1	0.811575	1	17.1	1	1.23299611	1	3.5	1	0.54407	1				
	15.7	1	1.195899652	1	6.46	1	0.8102325	1	17	1	1.23044892	1	3.5	1	0.54407	1				
	15.7	1	1.195899652	1	6.45	1	0.8095597	1	17	1	1.23044892	1	3.5	1	0.54407	1				
	15.7	1	1.195899652	1	6.45	1	0.8095597	1	17	1	1.23044892	1	3.49	1	0.54283	1				
	15.6	1	1.193124598	1	6.45	1	0.8095597	1	17	1	1.23044892	1	3.48	1	0.54158	1				
	15.6	1	1.193124598	1	6.45	1	0.8095597	1	17	1	1.23044892	1	3.48	1	0.54158	1				
	15.6	1	1.193124598	1	6.45	1	0.8095597	1	16.9	1	1.2278867	1	3.47	1	0.54033	1				
	15.6	1	1.193124598	1	6.41	1	0.806858	1	16.9	1	1.2278867	1	3.47	1	0.54033	1				
	15.6	1	1.193124598	1	6.41	1	0.806858	1	16.9	1	1.2278867	1	3.46	1	0.53908	1				
	15.5	1	1.190331698	1	6.4	1	0.80618	1	16.8	1	1.22530928	1	3.45	1	0.53782	1				
	15.5	1	1.190331698	1	6.38	1	0.8048207	1	16.7	1	1.22271647	1	3.45	1	0.53782	1				
	15.4	1	1.187520721	1	6.35	1	0.8027737	1	16.6	1	1.22010809	1	3.45	1	0.53782	1				
	15.4	1	1.187520721	1	6.35	1	0.8027737	1	16.6	1	1.22010809	1	3.45	1	0.53782	1				
	15.4	1	1.187520721	1	6.32	1	0.8007171	1	16.5	1	1.21748394	1	3.45	1	0.53782	1				
	15.4	1	1.187520721	1	6.3	1	0.7993405	1	16.5	1	1.21748394	1	3.45	1	0.53782	1				
	15.4	1	1.187520721	1	6.3	1	0.7993405	1	16.4	1	1.21484385	1	3.44	1	0.53656	1				
	15.3	1	1.184691431	1	6.3	1	0.7993405	1	16.4	1	1.21484385	1	3.43	1	0.53529	1				

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

d_Cadmium Log	Chromium	d_Chromium	Chromium Log	d_Chromium Log	Cobalt	d_Cobalt	Cobalt Log	d_Cobalt Log	Copper	d_Copper	Copper Log	d_Copper Log	Lead	d_Lead	Lead Log	d_Lead Log	Mercury	d_Mercury	Mercury Log	d_Mercury Log
	15.2	1	1.181843588	1	6.3	1	0.7993405	1	16.4	1	1.21484385	1	3.41	1	0.53275	1				
	15.2	1	1.181843588	1	6.3	1	0.7993405	1	16.3	1	1.2121876	1	3.4	1	0.53148	1				
	15	1	1.176091259	1	6.3	1	0.7993405	1	16.3	1	1.2121876	1	3.4	1	0.53148	1				
	14.9	1	1.173186268	1	6.29	1	0.7986506	1	16.3	1	1.2121876	1	3.4	1	0.53148	1				
	14.8	1	1.170261715	1	6.28	1	0.7979596	1	16.3	1	1.2121876	1	3.4	1	0.53148	1				
	14.8	1	1.170261715	1	6.25	1	0.79588	1	16.3	1	1.2121876	1	3.4	1	0.53148	1				
	14.8	1	1.170261715	1	6.25	1	0.79588	1	16.3	1	1.2121876	1	3.37	1	0.52763	1				
	14.7	1	1.167317335	1	6.25	1	0.79588	1	16.2	1	1.20951501	1	3.35	1	0.52504	1				
	14.7	1	1.167317335	1	6.25	1	0.79588	1	16.2	1	1.20951501	1	3.35	1	0.52504	1				
	14.7	1	1.167317335	1	6.25	1	0.79588	1	16.2	1	1.20951501	1	3.35	1	0.52504	1				
	14.6	1	1.164352856	1	6.25	1	0.79588	1	16.2	1	1.20951501	1	3.33	1	0.52244	1				
	14.6	1	1.164352856	1	6.24	1	0.7951846	1	16.1	1	1.20682588	1	3.32	1	0.52114	1				
	14.6	1	1.164352856	1	6.21	1	0.7930916	1	16.1	1	1.20682588	1	3.31	1	0.51983	1				
	14.5	1	1.161368002	1	6.2	1	0.7923917	1	16.1	1	1.20682588	1	3.3	1	0.51851	1				
	14.5	1	1.161368002	1	6.2	1	0.7923917	1	16.1	1	1.20682588	1	3.3	1	0.51851	1				
	14.4	1	1.158362492	1	6.2	1	0.7923917	1	16.1	1	1.20682588	1	3.3	1	0.51851	1				
	14.4	1	1.158362492	1	6.2	1	0.7923917	1	16	1	1.20411998	1	3.3	1	0.51851	1				
	14.4	1	1.158362492	1	6.2	1	0.7923917	1	16	1	1.20411998	1	3.3	1	0.51851	1				
	14.4	1	1.158362492	1	6.2	1	0.7923917	1	16	1	1.20411998	1	3.29	1	0.5172	1				
	14.4	1	1.158362492	1	6.2	1	0.7923917	1	16	1	1.20411998	1	3.27	1	0.51455	1				
	14.4	1	1.158362492	1	6.17	1	0.7902852	1	15.9	1	1.20139712	1	3.25	1	0.51188	1				
	14.3	1	1.155336037	1	6.16	1	0.7895807	1	15.9	1	1.20139712	1	3.25	1	0.51188	1				
	14.3	1	1.155336037	1	6.15	1	0.7888751	1	15.9	1	1.20139712	1	3.25	1	0.51188	1				
	14.3	1	1.155336037	1	6.15	1	0.7888751	1	15.9	1	1.20139712	1	3.25	1	0.51188	1				
	14.3	1	1.155336037	1	6.15	1	0.7888751	1	15.8	1	1.19865709	1	3.25	1	0.51188	1				
	14.3	1	1.155336037	1	6.15	1	0.7888751	1	15.7	1	1.19589965	1	3.25	1	0.51188	1				
	14.2	1	1.152288344	1	6.14	1	0.7881684	1	15.6	1	1.1931246	1	3.25	1	0.51188	1				
	14.2	1	1.152288344	1	6.12	1	0.7867514	1	15.6	1	1.1931246	1	3.24	1	0.51055	1				
	14.2	1	1.152288344	1	6.11	1	0.7860412	1	15.5	1	1.1903317	1	3.22	1	0.50786	1				
	14.2	1	1.152288344	1	6.1	1	0.7853298	1	15.5	1	1.1903317	1	3.2	1	0.50515	1				
	14.2	1	1.152288344	1	6.1	1	0.7853298	1	15.5	1	1.1903317	1	3.19	1	0.50379	1				
	14.2	1	1.152288344	1	6.1	1	0.7853298	1	15.5	1	1.1903317	1	3.19	1	0.50379	1				
	14.1	1	1.149219113	1	6.07	1	0.7831887	1	15.5	1	1.1903317	1	3.19	1	0.50379	1				
	14.1	1	1.149219113	1	6.06	1	0.7824726	1	15.5	1	1.1903317	1	3.18	1	0.50243	1				
	14	1	1.146128036	1	6.06	1	0.7824726	1	15.4	1	1.18752072	1	3.17	1	0.50106	1				
	14	1	1.146128036	1	6.05	1	0.7817554	1	15.4	1	1.18752072	1	3.15	1	0.49831	1				
	14	1	1.146128036	1	6.05	1	0.7817554	1	15.4	1	1.18752072	1	3.15	1	0.49831	1				
	14	1	1.146128036	1	6.05	1	0.7817554	1	15.4	1	1.18752072	1	3.15	1	0.49831	1				
	14	1	1.146128036	1	6.05	1	0.7817554	1	15.4	1	1.18752072	1	3.15	1	0.49831	1				
	14	1	1.146128036	1	6.05	1	0.7817554	1	15.4	1	1.18752072	1	3.15	1	0.49831	1				
	13.9	1	1.1430148	1	6.02	1	0.7795965	1	15.4	1	1.18752072	1	3.15	1	0.49831	1				
	13.8	1	1.139879086	1	6	1	0.7781513	1	15.4	1	1.18752072	1	3.1	1	0.49136	1				
	13.8	1	1.139879086	1	6	1	0.7781513	1	15.3	1	1.18469143	1	3.09	1	0.48996	1				
	13.7	1	1.136720567	1	6	1	0.7781513	1	15.2	1	1.18184359	1	3.07	1	0.48714	1				
	13.7	1	1.136720567	1	6	1	0.7781513	1	15.2	1	1.18184359	1	3.06	1	0.48572	1				
	13.6	1	1.133538908	1	6	1	0.7781513	1	15.1	1	1.17897695	1	3.05	1	0.4843	1				
	13.6	1	1.133538908	1	5.99	1	0.7774268	1	15.1	1	1.17897695	1	3.05	1	0.4843	1				
	13.6	1	1.133538908	1	5.97	1	0.7759743	1	15.1	1	1.17897695	1	3.04	1	0.48287	1				
	13.5	1	1.130333768	1	5.95	1	0.774517	1	15.1	1	1.17897695	1	3.04	1	0.48287	1				
	13.5	1	1.130333768	1	5.95	1	0.774517	1	15.1	1	1.17897695	1	3.01	1	0.47857	1				
	13.4	1	1.127104798	1	5.95	1	0.774517	1	15	1	1.17609126	1	3.01	1	0.47857	1				
	13.4	1	1.127104798	1	5.95	1	0.774517	1	14.9	1	1.17318627	1	3	1	0.47712	1				
	13.4	1	1.127104798	1	5.95	1	0.774517	1	14.9	1	1.17318627	1	3	1	0.47712	1				
	13.4	1	1.127104798	1	5.9	1	0.770852	1	14.9	1	1.17318627	1	3	1	0.47712	1				
	13.3	1	1.123851641	1	5.9	1	0.770852	1	14.9	1	1.17318627	1	3	1	0.47712	1				
	13.3	1	1.123851641	1	5.9	1	0.770852	1	14.8	1	1.17026172	1	3	1	0.47712	1				
	13.3	1	1.123851641	1	5.9	1	0.770852	1	14.8	1	1.17026172	1	3	1	0.47712	1				
	13.3	1	1.123851641	1	5.86	1	0.7678976	1	14.8	1	1.17026172	1	3	1	0.47712	1				
	13.2	1	1.120573931	1	5.85	1	0.7671559	1	14.8	1	1.17026172	1	3	1	0.47712	1				
	13.2	1	1.120573931	1	5.85	1	0.7671559	1	14.7	1	1.16731733	1	3	1	0.47712	1				
	13.2	1	1.120573931	1	5.85	1	0.7671559	1	14.7	1	1.16731733	1	3	1	0.47712	1				

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

d_Cadmium Log	Chromium	d_Chromium	Chromium Log	d_Chromium Log	Cobalt	d_Cobalt	Cobalt Log	d_Cobalt Log	Copper	d_Copper	Copper Log	d_Copper Log	Lead	d_Lead	Lead Log	d_Lead Log	Mercury	d_Mercury	Mercury Log	d_Mercury Log
	13.2	1	1.120573931	1	5.85	1	0.7671559	1	14.6	1	1.16435286	1	3	1	0.47712	1				
	13.1	1	1.117271296	1	5.85	1	0.7671559	1	14.6	1	1.16435286	1	3	1	0.47712	1				
	13	1	1.113943352	1	5.85	1	0.7671559	1	14.6	1	1.16435286	1	2.97	1	0.47276	1				
	13	1	1.113943352	1	5.85	1	0.7671559	1	14.6	1	1.16435286	1	2.96	1	0.47129	1				
	13	1	1.113943352	1	5.85	1	0.7671559	1	14.5	1	1.161368	1	2.96	1	0.47129	1				
	13	1	1.113943352	1	5.85	1	0.7671559	1	14.4	1	1.15836249	1	2.95	1	0.46982	1				
	13	1	1.113943352	1	5.85	1	0.7671559	1	14.4	1	1.15836249	1	2.95	1	0.46982	1				
	12.9	1	1.11058971	1	5.8	1	0.763428	1	14.4	1	1.15836249	1	2.95	1	0.46982	1				
	12.9	1	1.11058971	1	5.8	1	0.763428	1	14.4	1	1.15836249	1	2.95	1	0.46982	1				
	12.8	1	1.10720997	1	5.8	1	0.763428	1	14.3	1	1.15533604	1	2.95	1	0.46982	1				
	12.8	1	1.10720997	1	5.8	1	0.763428	1	14.3	1	1.15533604	1	2.94	1	0.46835	1				
	12.8	1	1.10720997	1	5.75	1	0.7596678	1	14.3	1	1.15533604	1	2.94	1	0.46835	1				
	12.8	1	1.10720997	1	5.75	1	0.7596678	1	14.3	1	1.15533604	1	2.92	1	0.46538	1				
	12.8	1	1.10720997	1	5.75	1	0.7596678	1	14.2	1	1.15228834	1	2.92	1	0.46538	1				
	12.8	1	1.10720997	1	5.75	1	0.7596678	1	14.2	1	1.15228834	1	2.91	1	0.46389	1				
	12.7	1	1.103803721	1	5.75	1	0.7596678	1	14.2	1	1.15228834	1	2.9	1	0.4624	1				
	12.7	1	1.103803721	1	5.75	1	0.7596678	1	14.2	1	1.15228834	1	2.85	1	0.45484	1				
	12.6	1	1.100370545	1	5.74	1	0.7589119	1	14.1	1	1.14921911	1	2.85	1	0.45484	1				
	12.6	1	1.100370545	1	5.7	1	0.7558749	1	14.1	1	1.14921911	1	2.85	1	0.45484	1				
	12.6	1	1.100370545	1	5.7	1	0.7558749	1	14.1	1	1.14921911	1	2.85	1	0.45484	1				
	12.6	1	1.100370545	1	5.7	1	0.7558749	1	14.1	1	1.14921911	1	2.85	1	0.45484	1				
	12.5	1	1.096910013	1	5.7	1	0.7558749	1	14.1	1	1.14921911	1	2.84	1	0.45332	1				
	12.4	1	1.093421685	1	5.7	1	0.7558749	1	14.1	1	1.14921911	1	2.84	1	0.45332	1				
	12.4	1	1.093421685	1	5.7	1	0.7558749	1	14	1	1.14612804	1	2.82	1	0.45025	1				
	12.4	1	1.093421685	1	5.7	1	0.7558749	1	14	1	1.14612804	1	2.81	1	0.44871	1				
	12.2	1	1.086359831	1	5.65	1	0.7520484	1	14	1	1.14612804	1	2.81	1	0.44871	1				
	12.2	1	1.086359831	1	5.65	1	0.7520484	1	14	1	1.14612804	1	2.8	1	0.44716	1				
	12.2	1	1.086359831	1	5.65	1	0.7520484	1	13.9	1	1.1430148	1	2.8	1	0.44716	1				
	12.2	1	1.086359831	1	5.65	1	0.7520484	1	13.9	1	1.1430148	1	2.8	1	0.44716	1				
	12.2	1	1.086359831	1	5.65	1	0.7520484	1	13.9	1	1.1430148	1	2.8	1	0.44716	1				
	12.2	1	1.086359831	1	5.65	1	0.7520484	1	13.9	1	1.1430148	1	2.8	1	0.44716	1				
	12.2	1	1.086359831	1	5.65	1	0.7520484	1	13.8	1	1.13987909	1	2.8	1	0.44716	1				
	12.1	1	1.08278537	1	5.65	1	0.7520484	1	13.7	1	1.13672057	1	2.8	1	0.44716	1				
	12.1	1	1.08278537	1	5.64	1	0.7512791	1	13.7	1	1.13672057	1	2.8	1	0.44716	1				
	12	1	1.079181246	1	5.6	1	0.748188	1	13.7	1	1.13672057	1	2.8	1	0.44716	1				
	12	1	1.079181246	1	5.6	1	0.748188	1	13.6	1	1.13353891	1	2.78	1	0.44404	1				
	12	1	1.079181246	1	5.55	1	0.744293	1	13.6	1	1.13353891	1	2.78	1	0.44404	1				
	11.9	1	1.075546961	1	5.55	1	0.744293	1	13.6	1	1.13353891	1	2.75	1	0.43933	1				
	11.9	1	1.075546961	1	5.55	1	0.744293	1	13.5	1	1.13033377	1	2.75	1	0.43933	1				
	11.9	1	1.075546961	1	5.55	1	0.744293	1	13.4	1	1.1271048	1	2.75	1	0.43933	1				
	11.9	1	1.075546961	1	5.55	1	0.744293	1	13.3	1	1.12385164	1	2.74	1	0.43775	1				
	11.8	1	1.071882007	1	5.55	1	0.744293	1	13.3	1	1.12385164	1	2.7	1	0.43136	1				
	11.8	1	1.071882007	1	5.55	1	0.744293	1	13.3	1	1.12385164	1	2.7	1	0.43136	1				
	11.8	1	1.071882007	1	5.5	1	0.7403627	1	13.3	1	1.12385164	1	2.69	1	0.42975	1				
	11.8	1	1.071882007	1	5.5	1	0.7403627	1	13.2	1	1.12057393	1	2.66	1	0.42488	1				
	11.7	1	1.068185862	1	5.5	1	0.7403627	1	13.2	1	1.12057393	1	2.65	1	0.42325	1				
	11.7	1	1.068185862	1	5.5	1	0.7403627	1	13.1	1	1.1172713	1	2.65	1	0.42325	1				
	11.6	1	1.064457989	1	5.5	1	0.7403627	1	13.1	1	1.1172713	1	2.64	1	0.4216	1				
	11.6	1	1.064457989	1	5.5	1	0.7403627	1	13	1	1.11394335	1	2.63	1	0.41996	1				
	11.5	1	1.06069784	1	5.5	1	0.7403627	1	13	1	1.11394335	1	2.61	1	0.41664	1				
	11.5	1	1.06069784	1	5.5	1	0.7403627	1	13	1	1.11394335	1	2.6	1	0.41497	1				
	11.5	1	1.06069784	1	5.5	1	0.7403627	1	12.9	1	1.11058971	1	2.6	1	0.41497	1				
	11.4	1	1.056904851	1	5.45	1	0.7363965	1	12.8	1	1.10720997	1	2.6	1	0.41497	1				
	11.4	1	1.056904851	1	5.45	1	0.7363965	1	12.7	1	1.10380372	1	2.6	1	0.41497	1				
	11.4	1	1.056904851	1	5.45	1	0.7363965	1	12.7	1	1.10380372	1	2.59	1	0.4133	1				
	11.4	1	1.056904851	1	5.45	1	0.7363965	1	12.7	1	1.10380372	1	2.58	1	0.41162	1				
	11.4	1	1.056904851	1	5.4	1	0.7323938	1	12.7	1	1.10380372	1	2.57	1	0.40993	1				
	11.4	1	1.056904851	1	5.4	1	0.7323938	1	12.6	1	1.10037055	1	2.55	1	0.40654	1				
	11.3	1	1.053078443	1	5.38	1	0.7307823	1	12.5	1	1.09691001	1	2.55	1	0.40654	1				
	11.2	1	1.049218023	1	5.38	1	0.7307823	1	12.5	1	1.09691001	1	2.55	1	0.40654	1				
	11.2	1	1.049218023	1	5.35	1	0.7283538	1	12.5	1	1.09691001	1	2.55	1	0.40654	1				

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

d_Cadmium Log	Chromium	d_Chromium	Chromium Log	d_Chromium Log	Cobalt	d_Cobalt	Cobalt Log	d_Cobalt Log	Copper	d_Copper	Copper Log	d_Copper Log	Lead	d_Lead	Lead Log	d_Lead Log	Mercury	d_Mercury	Mercury Log	d_Mercury Log
	11.1	1	1.045322979	1	5.35	1	0.7283538	1	12.4	1	1.09342169	1	2.55	1	0.40654	1				
	11.1	1	1.045322979	1	5.35	1	0.7283538	1	12.3	1	1.08990511	1	2.55	1	0.40654	1				
	11.1	1	1.045322979	1	5.35	1	0.7283538	1	12.3	1	1.08990511	1	2.52	1	0.4014	1				
	11.1	1	1.045322979	1	5.35	1	0.7283538	1	12.3	1	1.08990511	1	2.5	1	0.39794	1				
	11	1	1.041392685	1	5.35	1	0.7283538	1	12.2	1	1.08635983	1	2.5	1	0.39794	1				
	11	1	1.041392685	1	5.35	1	0.7283538	1	12.2	1	1.08635983	1	2.5	1	0.39794	1				
	10.9	1	1.037426498	1	5.35	1	0.7283538	1	12.2	1	1.08635983	1	2.5	1	0.39794	1				
	10.9	1	1.037426498	1	5.32	1	0.7259116	1	12.1	1	1.08278537	1	2.5	1	0.39794	1				
	10.8	1	1.033423755	1	5.3	1	0.7242759	1	12	1	1.07918125	1	2.47	1	0.3927	1				
	10.8	1	1.033423755	1	5.3	1	0.7242759	1	11.9	1	1.07554696	1	2.45	1	0.38917	1				
	10.8	1	1.033423755	1	5.3	1	0.7242759	1	11.9	1	1.07554696	1	2.39	1	0.3784	1				
	10.7	1	1.029383778	1	5.3	1	0.7242759	1	11.9	1	1.07554696	1	2.39	1	0.3784	1				
	10.7	1	1.029383778	1	5.29	1	0.7234557	1	11.9	1	1.07554696	1	2.33	1	0.36736	1				
	10.6	1	1.025305865	1	5.29	1	0.7234557	1	11.8	1	1.07188201	1	2.29	1	0.35984	1				
	10.6	1	1.025305865	1	5.25	1	0.7201593	1	11.8	1	1.07188201	1	2.29	1	0.35984	1				
	10.6	1	1.025305865	1	5.25	1	0.7201593	1	11.8	1	1.07188201	1	2.26	1	0.35411	1				
	10.6	1	1.025305865	1	5.25	1	0.7201593	1	11.7	1	1.06818586	1	2.24	1	0.35025	1				
	10.6	1	1.025305865	1	5.2	1	0.7160033	1	11.7	1	1.06818586	1	2.16	1	0.33445	1				
	10.4	1	1.017033339	1	5.2	1	0.7160033	1	11.7	1	1.06818586	1	2.15	1	0.33244	1				
	10.4	1	1.017033339	1	5.2	1	0.7160033	1	11.6	1	1.06445799	1	2.02	1	0.30535	1				
	10.3	1	1.012837225	1	5.2	1	0.7160033	1	11.5	1	1.06069784	1	2.01	1	0.3032	1				
	10.3	1	1.012837225	1	5.18	1	0.7143298	1	11.5	1	1.06069784	1	1.85	1	0.26717	1				
	10.2	1	1.008600172	1	5.15	1	0.7118072	1	11.5	1	1.06069784	1	1.82	1	0.26007	1				
	10.2	1	1.008600172	1	5.15	1	0.7118072	1	11.5	1	1.06069784	1	1.8	1	0.25527	1				
	10.1	1	1.004321374	1	5.15	1	0.7118072	1	11.4	1	1.05690485	1	1.75	1	0.24304	1				
	10.1	1	1.004321374	1	5.1	1	0.7075702	1	11.4	1	1.05690485	1	1.72	1	0.23553	1				
	10.1	1	1.004321374	1	5.1	1	0.7075702	1	11.3	1	1.05307844	1	1.7	1	0.23045	1				
	10.1	1	1.004321374	1	5.1	1	0.7075702	1	11.1	1	1.04532298	1	1.66	1	0.22011	1				
	10	1	1	1	5.09	1	0.7067178	1	10.9	1	1.0374265	1	1.39	1	0.14301	1				
	9.9	1	0.995635195	1	5.05	1	0.7032914	1	10.9	1	1.0374265	1	1.12	1	0.04922	1				
	9.85	1	0.99343623	1	5.05	1	0.7032914	1	10.9	1	1.0374265	1	0.832	1	-0.07988	1				
	9.85	1	0.99343623	1	5.05	1	0.7032914	1	10.8	1	1.03342376	1	0.752	1	-0.12378	1				
	9.65	1	0.984527313	1	5.05	1	0.7032914	1	10.6	1	1.02530587	1								
	9.55	1	0.980003372	1	5.05	1	0.7032914	1	10.6	1	1.02530587	1								
	9.5	1	0.977723605	1	5.05	1	0.7032914	1	10.5	1	1.0211893	1								
	9.47	1	0.976349979	1	5	1	0.69897	1	10.5	1	1.0211893	1								
	9.45	1	0.975431809	1	5	1	0.69897	1	10.4	1	1.01703334	1								
	9.45	1	0.975431809	1	5	1	0.69897	1	10.4	1	1.01703334	1								
	9.4	1	0.973127854	1	4.95	1	0.6946052	1	10.4	1	1.01703334	1								
	9.1	1	0.959041392	1	4.95	1	0.6946052	1	10.3	1	1.01283722	1								
	9	1	0.954242509	1	4.9	1	0.6901961	1	10.3	1	1.01283722	1								
	8.95	1	0.951823035	1	4.9	1	0.6901961	1	10.3	1	1.01283722	1								
	8.76	1	0.942504106	1	4.9	1	0.6901961	1	10.2	1	1.00860017	1								
	8.69	1	0.939019776	1	4.9	1	0.6901961	1	10.2	1	1.00860017	1								
	8.65	1	0.937016107	1	4.9	1	0.6901961	1	10.1	1	1.00432137	1								
	8.55	1	0.931966115	1	4.85	1	0.6857417	1	10	1	1	1								
	8.48	1	0.928395852	1	4.85	1	0.6857417	1	10	1	1	1								
	8.35	1	0.921686475	1	4.85	1	0.6857417	1	9.85	1	0.99343623	1								
	8.2	1	0.913813852	1	4.85	1	0.6857417	1	9.81	1	0.99166901	1								
	8.05	1	0.90579588	1	4.85	1	0.6857417	1	9.8	1	0.99122608	1								
	8.05	1	0.90579588	1	4.8	1	0.6812412	1	9.7	1	0.98677173	1								
	8	1	0.903089987	1	4.8	1	0.6812412	1	9.45	1	0.97543181	1								
	7.95	1	0.900367129	1	4.8	1	0.6812412	1	9.3	1	0.96848295	1								
	7.65	1	0.883661435	1	4.8	1	0.6812412	1	9.3	1	0.96848295	1								
	7.6	1	0.880813592	1	4.8	1	0.6812412	1	9.2	1	0.96378783	1								
	7.53	1	0.876794976	1	4.8	1	0.6812412	1	9.15	1	0.96142109	1								
	7.5	1	0.875061263	1	4.8	1	0.6812412	1	9.1	1	0.95904139	1								
	7.4	1	0.86923172	1	4.75	1	0.6766936	1	8.86	1	0.94743372	1								
	7.2	1	0.857332496	1	4.75	1	0.6766936	1	8.83	1	0.9459607	1								
	7.2	1	0.857332496	1	4.75	1	0.6766936	1	8.65	1	0.93701611	1								
	7.2	1	0.857332496	1	4.7	1	0.6720979	1	8.59	1	0.93399316	1								

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

d_Cadmium Log	Chromium	d_Chromium	Chromium Log	d_Chromium Log	Cobalt	d_Cobalt	Cobalt Log	d_Cobalt Log	Copper	d_Copper	Copper Log	d_Copper Log	Lead	d_Lead	Lead Log	d_Lead Log	Mercury	d_Mercury	Mercury Log	d_Mercury Log
	6.8	1	0.832508913	1	4.7	1	0.6720979	1	8.4	1	0.92427929	1								
	6.75	1	0.829303773	1	4.7	1	0.6720979	1	8.18	1	0.9127533	1								
	6.7	1	0.826074803	1	4.7	1	0.6720979	1	8.1	1	0.90848502	1								
	6.18	1	0.790988475	1	4.65	1	0.667453	1	8.09	1	0.90794852	1								
	6.07	1	0.783188691	1	4.65	1	0.667453	1	7.77	1	0.89042102	1								
	6.02	1	0.779596491	1	4.6	1	0.6627578	1	7.73	1	0.88817949	1								
	5.65	1	0.752048448	1	4.6	1	0.6627578	1	7.65	1	0.88366144	1								
	5.4	1	0.73239376	1	4.55	1	0.6580114	1	7.5	1	0.87506126	1								
	5.37	1	0.729974286	1	4.55	1	0.6580114	1	6.51	1	0.81358099	1								
	5	1	0.698970004	1	4.55	1	0.6580114	1	6.25	1	0.79588002	1								
					4.55	1	0.6580114	1	5.61	1	0.74896286	1								
					4.55	1	0.6580114	1	5.16	1	0.7126497	1								
					4.5	1	0.6532125	1	4.65	1	0.66745295	1								
					4.5	1	0.6532125	1	3.72	1	0.57054294	1								
					4.4	1	0.6434527	1												
					4.4	1	0.6434527	1												
					4.4	1	0.6434527	1												
					4.4	1	0.6434527	1												
					4.35	1	0.6384893	1												
					4.35	1	0.6384893	1												
					4.35	1	0.6384893	1												
					4.34	1	0.6374897	1												
					4.31	1	0.6344773	1												
					4.25	1	0.6283889	1												
					4.2	1	0.6232493	1												
					4.2	1	0.6232493	1												
					4.2	1	0.6232493	1												
					4.1	1	0.6127839	1												
					4.1	1	0.6127839	1												
					4.05	1	0.607455	1												
					4.05	1	0.607455	1												
					4	1	0.60206	1												
					3.9	1	0.5910646	1												
					3.8	1	0.5797836	1												
					2.75	1	0.4393327	1												
					2.32	1	0.365488	1												
					2.06	1	0.3138672	1												

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Molybdenum	d_Molybdenum	Molybdenum Log	d_Molybdenum Log	Nickel	d_Nickel	Nickel Log	d_Nickel Log	Vanadium	d_Vanadium	Vanadium Log	d_Vanadium Log	Zinc	d_Zinc	Zinc Log	d_Zinc Log
5.64	1	0.751279104	1	6090	1	3.7846173	1	58.5	1	1.767155866	1	215	1	2.33244	1
4.85	1	0.685741739	1	242	1	2.3838154	1	56.9	1	1.755112266	1	166	1	2.22011	1
4.29	1	0.632457292	1	210	1	2.3222193	1	54	1	1.73239376	1	96.5	1	1.98453	1
3.65	1	0.562292864	1	43.9	1	1.6424645	1	53.5	1	1.728353782	1	87.4	1	1.94151	1
3.55	1	0.550228353	1	37.9	1	1.5786392	1	52.2	1	1.717670503	1	84.5	1	1.92686	1
3.52	1	0.546542663	1	36.3	1	1.5599066	1	51.5	1	1.711807229	1	79.5	1	1.90037	1
3.49	1	0.542825427	1	35	1	1.544068	1	51.2	1	1.709269961	1	76	1	1.88081	1
3.23	1	0.509202522	1	33.9	1	1.5301997	1	51.1	1	1.7084209	1	76	1	1.88081	1
3.2	1	0.505149978	1	33.7	1	1.5276299	1	51	1	1.707570176	1	75.5	1	1.87795	1
3.12	1	0.494154594	1	33.2	1	1.5211381	1	51	1	1.707570176	1	74	1	1.86923	1
3.03	1	0.481442629	1	32.8	1	1.5158738	1	50.9	1	1.706717782	1	74	1	1.86923	1
3.03	1	0.481442629	1	32.5	1	1.5118834	1	49.9	1	1.698100546	1	74	1	1.86923	1
3	1	0.477121255	1	32.4	1	1.510545	1	49.6	1	1.695481676	1	73.6	1	1.86688	1
2.98	1	0.474216264	1	31.8	1	1.5024271	1	49	1	1.69019608	1	72.5	1	1.86034	1
2.97	1	0.472756449	1	31.6	1	1.4996871	1	48.6	1	1.686636269	1	72	1	1.85733	1
2.95	1	0.469822016	1	31.6	1	1.4996871	1	48.6	1	1.686636269	1	71.5	1	1.85431	1
2.89	1	0.460897843	1	31.3	1	1.4955443	1	48.5	1	1.685741739	1	71.5	1	1.85431	1
2.85	1	0.45484486	1	30.6	1	1.4857214	1	48.4	1	1.684845362	1	69.5	1	1.84198	1
2.8	1	0.447158031	1	30.5	1	1.4842998	1	48	1	1.681241237	1	68.5	1	1.83569	1
2.76	1	0.440909082	1	30.4	1	1.4828736	1	47.9	1	1.680335513	1	67.9	1	1.83187	1
2.75	1	0.439332694	1	30.3	1	1.4814426	1	47.3	1	1.674861141	1	67.2	1	1.82737	1
2.7	1	0.431363764	1	30.2	1	1.4800069	1	47.2	1	1.673941999	1	67	1	1.82607	1
2.69	1	0.42975228	1	30.2	1	1.4800069	1	46.8	1	1.670245853	1	66.5	1	1.82282	1
2.67	1	0.426511261	1	30.1	1	1.4785665	1	46.6	1	1.668385917	1	66.1	1	1.8202	1
2.67	1	0.426511261	1	30.1	1	1.4785665	1	46.5	1	1.667452953	1	66	1	1.81954	1
2.65	1	0.423245874	1	29.9	1	1.4756712	1	45.4	1	1.657055853	1	66	1	1.81954	1
2.65	1	0.423245874	1	29.9	1	1.4756712	1	45.1	1	1.654176542	1	65.7	1	1.81757	1
2.65	1	0.423245874	1	29.9	1	1.4756712	1	44.7	1	1.650307523	1	65	1	1.81291	1
2.6	1	0.414973348	1	29.8	1	1.4742163	1	44	1	1.643452676	1	64.6	1	1.81023	1
2.6	1	0.414973348	1	29.7	1	1.4727564	1	43.9	1	1.64246452	1	64.5	1	1.80956	1
2.6	1	0.414973348	1	29.7	1	1.4727564	1	43.7	1	1.640481437	1	64.5	1	1.80956	1
2.6	1	0.414973348	1	29.7	1	1.4727564	1	43.6	1	1.639486489	1	64.3	1	1.80821	1
2.59	1	0.413299764	1	29.6	1	1.4712917	1	43.4	1	1.63748973	1	64	1	1.80618	1
2.59	1	0.413299764	1	29.4	1	1.4683473	1	43.4	1	1.63748973	1	64	1	1.80618	1
2.55	1	0.40654018	1	29.4	1	1.4683473	1	43.2	1	1.635483747	1	63.8	1	1.80482	1
2.55	1	0.40654018	1	29.4	1	1.4683473	1	43.2	1	1.635483747	1	63.7	1	1.80414	1
2.55	1	0.40654018	1	29.2	1	1.4653829	1	43.1	1	1.63447727	1	63.5	1	1.80277	1
2.53	1	0.403120521	1	29.2	1	1.4653829	1	42.9	1	1.632457292	1	63.5	1	1.80277	1
2.52	1	0.401400541	1	29.1	1	1.463893	1	42.7	1	1.630427875	1	63	1	1.79934	1
2.5	1	0.397940009	1	29.1	1	1.463893	1	42.7	1	1.630427875	1	63	1	1.79934	1
2.5	1	0.397940009	1	29	1	1.462398	1	42.5	1	1.62838893	1	62.5	1	1.79588	1
2.5	1	0.397940009	1	28.9	1	1.4608978	1	42.3	1	1.626340367	1	61.9	1	1.79169	1
2.49	1	0.396199347	1	28.9	1	1.4608978	1	42	1	1.62324929	1	61.5	1	1.78888	1
2.47	1	0.392696953	1	28.9	1	1.4608978	1	41.9	1	1.622214023	1	61.5	1	1.78888	1
2.46	1	0.390935107	1	28.8	1	1.4593925	1	41.9	1	1.622214023	1	61.4	1	1.78817	1
2.42	1	0.383815366	1	28.8	1	1.4593925	1	41.8	1	1.621176282	1	61	1	1.78533	1
2.38	1	0.376576957	1	28.7	1	1.4578819	1	41.8	1	1.621176282	1	61	1	1.78533	1
2.37	1	0.374748346	1	28.5	1	1.4548449	1	41.7	1	1.620136055	1	60.6	1	1.78247	1
2.36	1	0.372912003	1	28.1	1	1.4487063	1	41.4	1	1.617000341	1	60.5	1	1.78176	1
2.35	1	0.371067862	1	28	1	1.447158	1	41.4	1	1.617000341	1	60.5	1	1.78176	1
2.34	1	0.369215857	1	28	1	1.447158	1	41.3	1	1.615950052	1	60.5	1	1.78176	1
2.33	1	0.367355921	1	27.8	1	1.4440448	1	41.1	1	1.613841822	1	60.2	1	1.7796	1
2.32	1	0.365487985	1	27.8	1	1.4440448	1	41	1	1.612783857	1	60.2	1	1.7796	1
2.31	1	0.36361198	1	27.7	1	1.4424798	1	41	1	1.612783857	1	60	1	1.77815	1
2.31	1	0.36361198	1	27.6	1	1.4409091	1	40.9	1	1.611723308	1	60	1	1.77815	1
2.28	1	0.357934847	1	27.5	1	1.4393327	1	40.8	1	1.610660163	1	59.6	1	1.77525	1
2.28	1	0.357934847	1	27.4	1	1.4377506	1	40.7	1	1.609594409	1	59.5	1	1.77452	1
2.24	1	0.350248018	1	27.4	1	1.4377506	1	40.6	1	1.608526034	1	59.5	1	1.77452	1
2.21	1	0.344392274	1	27.3	1	1.4361626	1	40.5	1	1.607455023	1	59.5	1	1.77452	1
2.21	1	0.344392274	1	27.1	1	1.4329693	1	40.5	1	1.607455023	1	59.1	1	1.77159	1
2.2	1	0.342422681	1	27.1	1	1.4329693	1	40.4	1	1.606381365	1	59	1	1.77085	1

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Molybdenum	d_Molybdenum	Molybdenum Log	d_Molybdenum Log	Nickel	d_Nickel	Nickel Log	d_Nickel Log	Vanadium	d_Vanadium	Vanadium Log	d_Vanadium Log	Zinc	d_Zinc	Zinc Log	d_Zinc Log
2.2	1	0.342422681	1	27	1	1.4313638	1	40.4	1	1.606381365	1	59	1	1.77085	1
2.2	1	0.342422681	1	27	1	1.4313638	1	40.3	1	1.605305046	1	59	1	1.77085	1
2.18	1	0.338456494	1	26.9	1	1.4297523	1	39.8	1	1.599883072	1	59	1	1.77085	1
2.17	1	0.336459734	1	26.8	1	1.4281348	1	39.8	1	1.599883072	1	59	1	1.77085	1
2.16	1	0.334453751	1	26.7	1	1.4265113	1	39.8	1	1.599883072	1	58.9	1	1.77012	1
2.14	1	0.330413773	1	26.7	1	1.4265113	1	39.8	1	1.599883072	1	58.8	1	1.76938	1
2.14	1	0.330413773	1	26.6	1	1.4248816	1	39.8	1	1.599883072	1	58.5	1	1.76716	1
2.12	1	0.326335861	1	26.5	1	1.4232459	1	39.7	1	1.598790507	1	58.5	1	1.76716	1
2.11	1	0.324282455	1	26.4	1	1.4216039	1	39.7	1	1.598790507	1	58.4	1	1.76641	1
2.09	1	0.320146286	1	26.3	1	1.4199557	1	39.5	1	1.596597096	1	58	1	1.76343	1
2.09	1	0.320146286	1	26.3	1	1.4199557	1	39.4	1	1.595496222	1	58	1	1.76343	1
2.08	1	0.318063335	1	26.3	1	1.4199557	1	39.4	1	1.595496222	1	57.9	1	1.76268	1
2.07	1	0.315970345	1	26.2	1	1.4183013	1	39.3	1	1.59439255	1	57.5	1	1.75967	1
2.07	1	0.315970345	1	26.2	1	1.4183013	1	39.3	1	1.59439255	1	57.5	1	1.75967	1
2.07	1	0.315970345	1	26.1	1	1.4166405	1	39.2	1	1.593286067	1	57.5	1	1.75967	1
2.07	1	0.315970345	1	26.1	1	1.4166405	1	39.1	1	1.592176757	1	57.1	1	1.75664	1
2.06	1	0.31386722	1	26.1	1	1.4166405	1	38.8	1	1.588831726	1	57	1	1.75587	1
2.05	1	0.311753861	1	25.9	1	1.4132998	1	38.8	1	1.588831726	1	57	1	1.75587	1
2.03	1	0.307496038	1	25.9	1	1.4132998	1	38.8	1	1.588831726	1	56.5	1	1.75205	1
2.02	1	0.305351369	1	25.8	1	1.4116197	1	38.8	1	1.588831726	1	56.5	1	1.75205	1
2.02	1	0.305351369	1	25.7	1	1.4099331	1	38.8	1	1.588831726	1	56.5	1	1.75205	1
2	1	0.301029996	1	25.6	1	1.40824	1	38.7	1	1.587710965	1	56.5	1	1.75205	1
1.99	1	0.298853076	1	25.6	1	1.40824	1	38.5	1	1.58546073	1	56	1	1.74819	1
1.98	1	0.29666519	1	25.6	1	1.40824	1	38.4	1	1.584331224	1	56	1	1.74819	1
1.96	1	0.292256071	1	25.6	1	1.40824	1	38.4	1	1.584331224	1	56	1	1.74819	1
1.96	1	0.292256071	1	25.5	1	1.4065402	1	38.3	1	1.583198774	1	56	1	1.74819	1
1.95	1	0.290034611	1	25.5	1	1.4065402	1	38.2	1	1.582063363	1	56	1	1.74819	1
1.94	1	0.28780173	1	25.4	1	1.4048337	1	38.2	1	1.582063363	1	55.7	1	1.74586	1
1.92	1	0.283301229	1	25.3	1	1.4031205	1	38.1	1	1.580924976	1	55.6	1	1.74507	1
1.9	1	0.278753601	1	25.2	1	1.4014005	1	38.1	1	1.580924976	1	55.6	1	1.74507	1
1.89	1	0.276461804	1	25	1	1.39794	1	38.1	1	1.580924976	1	55.5	1	1.74429	1
1.89	1	0.276461804	1	24.9	1	1.3961993	1	38.1	1	1.580924976	1	55.5	1	1.74429	1
1.89	1	0.276461804	1	24.9	1	1.3961993	1	38	1	1.579783597	1	55.5	1	1.74429	1
1.87	1	0.271841607	1	24.8	1	1.3944517	1	38	1	1.579783597	1	55.4	1	1.74351	1
1.86	1	0.269512944	1	24.7	1	1.392697	1	38	1	1.579783597	1	55	1	1.74036	1
1.86	1	0.269512944	1	24.5	1	1.3891661	1	38	1	1.579783597	1	55	1	1.74036	1
1.86	1	0.269512944	1	24.5	1	1.3891661	1	37.9	1	1.57863921	1	54.9	1	1.73957	1
1.85	1	0.267171728	1	24.5	1	1.3891661	1	37.8	1	1.5774918	1	54.5	1	1.7364	1
1.83	1	0.26245109	1	24.5	1	1.3891661	1	37.7	1	1.57634135	1	54.5	1	1.7364	1
1.83	1	0.26245109	1	24.4	1	1.3873898	1	37.6	1	1.575187845	1	54.5	1	1.7364	1
1.82	1	0.260071388	1	24.4	1	1.3873898	1	37.6	1	1.575187845	1	54.5	1	1.7364	1
1.81	1	0.257678575	1	24.4	1	1.3873898	1	37.5	1	1.574031268	1	54.5	1	1.7364	1
1.79	1	0.252853031	1	24.3	1	1.3856063	1	37.4	1	1.572871602	1	54.5	1	1.7364	1
1.78	1	0.250420002	1	24.3	1	1.3856063	1	37.4	1	1.572871602	1	54.3	1	1.7348	1
1.77	1	0.247973266	1	24.2	1	1.3838154	1	37.3	1	1.571708832	1	54.3	1	1.7348	1
1.76	1	0.245512668	1	24.1	1	1.382017	1	37.3	1	1.571708832	1	54.1	1	1.7332	1
1.76	1	0.245512668	1	24.1	1	1.382017	1	37.2	1	1.57054294	1	54	1	1.73239	1
1.74	1	0.240549248	1	24.1	1	1.382017	1	37.2	1	1.57054294	1	54	1	1.73239	1
1.73	1	0.238046103	1	24.1	1	1.382017	1	37.1	1	1.56937391	1	54	1	1.73239	1
1.73	1	0.238046103	1	24	1	1.3802112	1	37.1	1	1.56937391	1	54	1	1.73239	1
1.72	1	0.235528447	1	24	1	1.3802112	1	37.1	1	1.56937391	1	54	1	1.73239	1
1.71	1	0.23299611	1	24	1	1.3802112	1	37.1	1	1.56937391	1	53.8	1	1.73078	1
1.69	1	0.227886705	1	23.9	1	1.3783979	1	37	1	1.568201724	1	53.8	1	1.73078	1
1.68	1	0.225309282	1	23.7	1	1.3747483	1	37	1	1.568201724	1	53.5	1	1.72835	1
1.64	1	0.214843848	1	23.6	1	1.372912	1	36.8	1	1.565847819	1	53.5	1	1.72835	1
1.62	1	0.209515015	1	23.6	1	1.372912	1	36.8	1	1.565847819	1	53.4	1	1.72754	1
1.61	1	0.206825876	1	23.6	1	1.372912	1	36.8	1	1.565847819	1	53.3	1	1.72673	1
1.6	1	0.204119983	1	23.5	1	1.3710679	1	36.7	1	1.564666064	1	53	1	1.72428	1
1.6	1	0.204119983	1	23.4	1	1.3692159	1	36.7	1	1.564666064	1	53	1	1.72428	1
1.59	1	0.201397124	1	23.3	1	1.3673559	1	36.7	1	1.564666064	1	53	1	1.72428	1
1.58	1	0.198657087	1	23.3	1	1.3673559	1	36.7	1	1.564666064	1	53	1	1.72428	1

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Molybdenum	d_Molybdenum	Molybdenum Log	d_Molybdenum Log	Nickel	d_Nickel	Nickel Log	d_Nickel Log	Vanadium	d_Vanadium	Vanadium Log	d_Vanadium Log	Zinc	d_Zinc	Zinc Log	d_Zinc Log
1.58	1	0.198657087	1	23.3	1	1.3673559	1	36.7	1	1.564666064	1	52.9	1	1.72346	1
1.57	1	0.195899652	1	23.3	1	1.3673559	1	36.6	1	1.563481085	1	52.9	1	1.72346	1
1.56	1	0.193124598	1	23.2	1	1.365488	1	36.6	1	1.563481085	1	52.6	1	1.72099	1
1.53	1	0.184691431	1	23.2	1	1.365488	1	36.6	1	1.563481085	1	52.6	1	1.72099	1
1.52	1	0.181843588	1	23.2	1	1.365488	1	36.5	1	1.562292864	1	52.5	1	1.72016	1
1.5	1	0.176091259	1	23.2	1	1.365488	1	36.5	1	1.562292864	1	52.5	1	1.72016	1
1.5	1	0.176091259	1	23.1	1	1.363612	1	36.5	1	1.562292864	1	52.5	1	1.72016	1
1.49	1	0.173186268	1	23.1	1	1.363612	1	36.5	1	1.562292864	1	52	1	1.716	1
1.47	1	0.167317335	1	23	1	1.3617278	1	36.4	1	1.561101384	1	52	1	1.716	1
1.46	1	0.164352856	1	23	1	1.3617278	1	36.4	1	1.561101384	1	52	1	1.716	1
1.38	1	0.139879086	1	23	1	1.3617278	1	36.4	1	1.561101384	1	51.8	1	1.71433	1
1.37	1	0.136720567	1	23	1	1.3617278	1	36.3	1	1.559906625	1	51.5	1	1.71181	1
1.34	1	0.127104798	1	23	1	1.3617278	1	36.2	1	1.558708571	1	51.5	1	1.71181	1
1.32	1	0.120573931	1	23	1	1.3617278	1	36.2	1	1.558708571	1	51.5	1	1.71181	1
1.3	1	0.113943352	1	23	1	1.3617278	1	36.2	1	1.558708571	1	51.5	1	1.71181	1
1.3	1	0.113943352	1	22.9	1	1.3598355	1	36.2	1	1.558708571	1	51.1	1	1.70842	1
1.26	1	0.100370545	1	22.9	1	1.3598355	1	36.1	1	1.557507202	1	51	1	1.70757	1
1.04	1	0.017033339	1	22.9	1	1.3598355	1	35.8	1	1.553883027	1	51	1	1.70757	1
0.983	1	-0.007446482	1	22.9	1	1.3598355	1	35.6	1	1.551449998	1	51	1	1.70757	1
0.846	1	-0.072629637	1	22.8	1	1.3579348	1	35.4	1	1.549003262	1	51	1	1.70757	1
0.714	1	-0.146301788	1	22.6	1	1.3541084	1	35.4	1	1.549003262	1	51	1	1.70757	1
0.692	1	-0.159893906	1	22.5	1	1.3521825	1	35.3	1	1.547774705	1	51	1	1.70757	1
0.689	1	-0.161780778	1	22.5	1	1.3521825	1	35.3	1	1.547774705	1	51	1	1.70757	1
0.615	1	-0.211124884	1	22.5	1	1.3521825	1	35.2	1	1.546542663	1	51	1	1.70757	1
0.466	1	-0.331614083	1	22.5	1	1.3521825	1	35.2	1	1.546542663	1	50.9	1	1.70672	1
0.416	1	-0.380906669	1	22.5	1	1.3521825	1	35	1	1.544068044	1	50.6	1	1.70415	1
0.258	1	-0.588380294	1	22.4	1	1.350248	1	35	1	1.544068044	1	50.6	1	1.70415	1
				22.4	1	1.350248	1	35	1	1.544068044	1	50.5	1	1.70329	1
				22.4	1	1.350248	1	34.9	1	1.542825427	1	50.5	1	1.70329	1
				22.3	1	1.3483049	1	34.8	1	1.541579244	1	50.5	1	1.70329	1
				22.2	1	1.346353	1	34.6	1	1.539076099	1	50.5	1	1.70329	1
				22.2	1	1.346353	1	34.5	1	1.537819095	1	50.4	1	1.70243	1
				22.2	1	1.346353	1	34.4	1	1.536558443	1	50.3	1	1.70157	1
				22.1	1	1.3443923	1	34.4	1	1.536558443	1	50.1	1	1.69984	1
				22.1	1	1.3443923	1	34.4	1	1.536558443	1	50.1	1	1.69984	1
				22.1	1	1.3443923	1	34.2	1	1.534026106	1	50	1	1.69897	1
				22	1	1.3424227	1	34.2	1	1.534026106	1	49.8	1	1.69723	1
				22	1	1.3424227	1	34.2	1	1.534026106	1	49.8	1	1.69723	1
				22	1	1.3424227	1	34.2	1	1.534026106	1	49.7	1	1.69636	1
				22	1	1.3424227	1	34.2	1	1.534026106	1	49.7	1	1.69636	1
				22	1	1.3424227	1	34.1	1	1.532754379	1	49.7	1	1.69636	1
				21.9	1	1.3404441	1	34.1	1	1.532754379	1	49.6	1	1.69548	1
				21.9	1	1.3404441	1	34.1	1	1.532754379	1	49.6	1	1.69548	1
				21.9	1	1.3404441	1	34	1	1.531478917	1	49.6	1	1.69548	1
				21.9	1	1.3404441	1	33.9	1	1.530199698	1	49.6	1	1.69548	1
				21.9	1	1.3404441	1	33.9	1	1.530199698	1	49.6	1	1.69548	1
				21.9	1	1.3404441	1	33.8	1	1.5289167	1	49.5	1	1.69461	1
				21.9	1	1.3404441	1	33.7	1	1.527629901	1	49.5	1	1.69461	1
				21.8	1	1.3384565	1	33.7	1	1.527629901	1	49.4	1	1.69373	1
				21.8	1	1.3384565	1	33.6	1	1.526339277	1	49.4	1	1.69373	1
				21.8	1	1.3384565	1	33.6	1	1.526339277	1	49.2	1	1.69197	1
				21.8	1	1.3384565	1	33.6	1	1.526339277	1	49.1	1	1.69108	1
				21.7	1	1.3364597	1	33.5	1	1.525044807	1	49.1	1	1.69108	1
				21.6	1	1.3344538	1	33.4	1	1.523746467	1	49	1	1.6902	1
				21.6	1	1.3344538	1	33.4	1	1.523746467	1	49	1	1.6902	1
				21.6	1	1.3344538	1	33.3	1	1.522444234	1	49	1	1.6902	1
				21.6	1	1.3344538	1	33.2	1	1.521138084	1	49	1	1.6902	1
				21.6	1	1.3344538	1	33.2	1	1.521138084	1	49	1	1.6902	1
				21.6	1	1.3344538	1	33.2	1	1.521138084	1	49	1	1.6902	1
				21.6	1	1.3344538	1	33.1	1	1.519827994	1	48.9	1	1.68931	1
				21.5	1	1.3324385	1	33.1	1	1.519827994	1	48.9	1	1.68931	1

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Molybdenum	d_Molybdenum	Molybdenum Log	d_Molybdenum Log	Nickel	d_Nickel	Nickel Log	d_Nickel Log	Vanadium	d_Vanadium	Vanadium Log	d_Vanadium Log	Zinc	d_Zinc	Zinc Log	d_Zinc Log
				21.5	1	1.3324385	1	33	1	1.51851394	1	48.9	1	1.68931	1
				21.5	1	1.3324385	1	33	1	1.51851394	1	48.9	1	1.68931	1
				21.5	1	1.3324385	1	32.9	1	1.517195898	1	48.8	1	1.68842	1
				21.5	1	1.3324385	1	32.9	1	1.517195898	1	48.7	1	1.68753	1
				21.4	1	1.3304138	1	32.9	1	1.517195898	1	48.7	1	1.68753	1
				21.4	1	1.3304138	1	32.8	1	1.515873844	1	48.6	1	1.68664	1
				21.4	1	1.3304138	1	32.7	1	1.514547753	1	48.6	1	1.68664	1
				21.4	1	1.3304138	1	32.7	1	1.514547753	1	48.3	1	1.68395	1
				21.4	1	1.3304138	1	32.6	1	1.5132176	1	48.2	1	1.68305	1
				21.4	1	1.3304138	1	32.5	1	1.511883361	1	48.1	1	1.68215	1
				21.3	1	1.3283796	1	32.5	1	1.511883361	1	48.1	1	1.68215	1
				21.3	1	1.3283796	1	32.5	1	1.511883361	1	48.1	1	1.68215	1
				21.3	1	1.3283796	1	32.4	1	1.51054501	1	48	1	1.68124	1
				21.3	1	1.3283796	1	32.4	1	1.51054501	1	48	1	1.68124	1
				21.3	1	1.3283796	1	32.3	1	1.509202522	1	48	1	1.68124	1
				21.1	1	1.3242825	1	32.3	1	1.509202522	1	47.9	1	1.68034	1
				21.1	1	1.3242825	1	32.2	1	1.507855872	1	47.8	1	1.67943	1
				21.1	1	1.3242825	1	32.2	1	1.507855872	1	47.6	1	1.67761	1
				21	1	1.3222193	1	32	1	1.505149978	1	47.5	1	1.67669	1
				21	1	1.3222193	1	32	1	1.505149978	1	47.5	1	1.67669	1
				21	1	1.3222193	1	32	1	1.505149978	1	47.5	1	1.67669	1
				21	1	1.3222193	1	31.9	1	1.503790683	1	47.3	1	1.67486	1
				21	1	1.3222193	1	31.9	1	1.503790683	1	47.2	1	1.67394	1
				20.9	1	1.3201463	1	31.9	1	1.503790683	1	47.2	1	1.67394	1
				20.8	1	1.3180633	1	31.9	1	1.503790683	1	47.1	1	1.67302	1
				20.8	1	1.3180633	1	31.7	1	1.501059262	1	47.1	1	1.67302	1
				20.8	1	1.3180633	1	31.7	1	1.501059262	1	47	1	1.6721	1
				20.8	1	1.3180633	1	31.6	1	1.499687083	1	46.9	1	1.67117	1
				20.7	1	1.3159703	1	31.5	1	1.498310554	1	46.7	1	1.66932	1
				20.7	1	1.3159703	1	31.4	1	1.496929648	1	46.5	1	1.66745	1
				20.7	1	1.3159703	1	31.4	1	1.496929648	1	46.5	1	1.66745	1
				20.6	1	1.3138672	1	31.4	1	1.496929648	1	46.5	1	1.66745	1
				20.6	1	1.3138672	1	31.3	1	1.495544338	1	46.4	1	1.66652	1
				20.6	1	1.3138672	1	31.3	1	1.495544338	1	46.4	1	1.66652	1
				20.6	1	1.3138672	1	31.2	1	1.494154594	1	46.3	1	1.66558	1
				20.5	1	1.3117539	1	31.2	1	1.494154594	1	46.3	1	1.66558	1
				20.5	1	1.3117539	1	31.2	1	1.494154594	1	46.3	1	1.66558	1
				20.5	1	1.3117539	1	31.1	1	1.492760389	1	46.2	1	1.66464	1
				20.5	1	1.3117539	1	31.1	1	1.492760389	1	46.2	1	1.66464	1
				20.5	1	1.3117539	1	31.1	1	1.492760389	1	46.1	1	1.6637	1
				20.5	1	1.3117539	1	31.1	1	1.492760389	1	46	1	1.66276	1
				20.4	1	1.3096302	1	30.9	1	1.489958479	1	45.9	1	1.66181	1
				20.4	1	1.3096302	1	30.8	1	1.488550717	1	45.9	1	1.66181	1
				20.4	1	1.3096302	1	30.8	1	1.488550717	1	45.8	1	1.66087	1
				20.3	1	1.307496	1	30.8	1	1.488550717	1	45.5	1	1.65801	1
				20.3	1	1.307496	1	30.8	1	1.488550717	1	45.4	1	1.65706	1
				20.2	1	1.3053514	1	30.8	1	1.488550717	1	45.3	1	1.6561	1
				20.2	1	1.3053514	1	30.6	1	1.485721426	1	45.2	1	1.65514	1
				20.2	1	1.3053514	1	30.5	1	1.484299839	1	45.1	1	1.65418	1
				20.2	1	1.3053514	1	30.4	1	1.482873584	1	45	1	1.65321	1
				20.1	1	1.3031961	1	30.4	1	1.482873584	1	45	1	1.65321	1
				20.1	1	1.3031961	1	30.4	1	1.482873584	1	45	1	1.65321	1
				20	1	1.30103	1	30.3	1	1.481442629	1	44.9	1	1.65225	1
				19.9	1	1.2988531	1	30.2	1	1.480006943	1	44.8	1	1.65128	1
				19.9	1	1.2988531	1	30.2	1	1.480006943	1	44.8	1	1.65128	1
				19.9	1	1.2988531	1	30.1	1	1.478566496	1	44.8	1	1.65128	1
				19.8	1	1.2966652	1	30.1	1	1.478566496	1	44.8	1	1.65128	1
				19.8	1	1.2966652	1	30.1	1	1.478566496	1	44.7	1	1.65031	1
				19.8	1	1.2966652	1	30	1	1.477121255	1	44.6	1	1.64933	1
				19.8	1	1.2966652	1	30	1	1.477121255	1	44.6	1	1.64933	1
				19.7	1	1.2944662	1	30	1	1.477121255	1	44.6	1	1.64933	1

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Molybdenum	d_Molybdenum	Molybdenum Log	d_Molybdenum Log	Nickel	d_Nickel	Nickel Log	d_Nickel Log	Vanadium	d_Vanadium	Vanadium Log	d_Vanadium Log	Zinc	d_Zinc	Zinc Log	d_Zinc Log
				19.7	1	1.2944662	1	29.9	1	1.475671188	1	44.6	1	1.64933	1
				19.6	1	1.2922561	1	29.8	1	1.474216264	1	44.6	1	1.64933	1
				19.6	1	1.2922561	1	29.8	1	1.474216264	1	44.6	1	1.64933	1
				19.5	1	1.2900346	1	29.8	1	1.474216264	1	44.4	1	1.64738	1
				19.5	1	1.2900346	1	29.7	1	1.472756449	1	44.3	1	1.6464	1
				19.5	1	1.2900346	1	29.7	1	1.472756449	1	44.3	1	1.6464	1
				19.5	1	1.2900346	1	29.6	1	1.471291711	1	44.2	1	1.64542	1
				19.4	1	1.2878017	1	29.6	1	1.471291711	1	44.1	1	1.64444	1
				19.4	1	1.2878017	1	29.6	1	1.471291711	1	44.1	1	1.64444	1
				19.3	1	1.2855573	1	29.5	1	1.469822016	1	44.1	1	1.64444	1
				19.2	1	1.2833012	1	29.4	1	1.46834733	1	44	1	1.64345	1
				19.2	1	1.2833012	1	29.4	1	1.46834733	1	43.8	1	1.64147	1
				19.2	1	1.2833012	1	29.4	1	1.46834733	1	43.8	1	1.64147	1
				19.1	1	1.2810334	1	29.4	1	1.46834733	1	43.8	1	1.64147	1
				19.1	1	1.2810334	1	29.4	1	1.46834733	1	43.8	1	1.64147	1
				19.1	1	1.2810334	1	29.3	1	1.46686762	1	43.8	1	1.64147	1
				19.1	1	1.2810334	1	29.1	1	1.463892989	1	43.7	1	1.64048	1
				19.1	1	1.2810334	1	29.1	1	1.463892989	1	43.6	1	1.63949	1
				19	1	1.2787536	1	29	1	1.462397998	1	43.6	1	1.63949	1
				19	1	1.2787536	1	28.9	1	1.460897843	1	43.5	1	1.63849	1
				19	1	1.2787536	1	28.9	1	1.460897843	1	43	1	1.63347	1
				18.9	1	1.2764618	1	28.9	1	1.460897843	1	43	1	1.63347	1
				18.9	1	1.2764618	1	28.9	1	1.460897843	1	43	1	1.63347	1
				18.9	1	1.2764618	1	28.8	1	1.459392488	1	42.8	1	1.63144	1
				18.8	1	1.2741578	1	28.7	1	1.457881897	1	42.8	1	1.63144	1
				18.8	1	1.2741578	1	28.7	1	1.457881897	1	42.8	1	1.63144	1
				18.8	1	1.2741578	1	28.5	1	1.45484486	1	42.6	1	1.62941	1
				18.8	1	1.2741578	1	28.4	1	1.45331834	1	42.6	1	1.62941	1
				18.8	1	1.2741578	1	28.4	1	1.45331834	1	42.6	1	1.62941	1
				18.7	1	1.2718416	1	28.4	1	1.45331834	1	42.5	1	1.62839	1
				18.6	1	1.2695129	1	28.4	1	1.45331834	1	42.4	1	1.62737	1
				18.6	1	1.2695129	1	28.4	1	1.45331834	1	42.4	1	1.62737	1
				18.6	1	1.2695129	1	28.4	1	1.45331834	1	42.3	1	1.62634	1
				18.6	1	1.2695129	1	28.3	1	1.451786436	1	42.1	1	1.62428	1
				18.6	1	1.2695129	1	28.3	1	1.451786436	1	42	1	1.62325	1
				18.5	1	1.2671717	1	28.3	1	1.451786436	1	41.9	1	1.62221	1
				18.5	1	1.2671717	1	28.2	1	1.450249108	1	41.9	1	1.62221	1
				18.5	1	1.2671717	1	28.2	1	1.450249108	1	41.9	1	1.62221	1
				18.4	1	1.2648178	1	28.1	1	1.44870632	1	41.8	1	1.62118	1
				18.4	1	1.2648178	1	28.1	1	1.44870632	1	41.8	1	1.62118	1
				18.4	1	1.2648178	1	28.1	1	1.44870632	1	41.8	1	1.62118	1
				18.4	1	1.2648178	1	28	1	1.447158031	1	41.7	1	1.62014	1
				18.4	1	1.2648178	1	28	1	1.447158031	1	41.6	1	1.61909	1
				18.3	1	1.2624511	1	28	1	1.447158031	1	41.6	1	1.61909	1
				18.3	1	1.2624511	1	28	1	1.447158031	1	41.5	1	1.61805	1
				18.3	1	1.2624511	1	27.9	1	1.445604203	1	41.5	1	1.61805	1
				18.3	1	1.2624511	1	27.9	1	1.445604203	1	41.4	1	1.617	1
				18.2	1	1.2600714	1	27.9	1	1.445604203	1	41.3	1	1.61595	1
				18.2	1	1.2600714	1	27.8	1	1.444044796	1	41.3	1	1.61595	1
				18.2	1	1.2600714	1	27.8	1	1.444044796	1	41.2	1	1.6149	1
				18.2	1	1.2600714	1	27.7	1	1.442479769	1	41.2	1	1.6149	1
				18.2	1	1.2600714	1	27.7	1	1.442479769	1	41.1	1	1.61384	1
				18.1	1	1.2576786	1	27.7	1	1.442479769	1	41.1	1	1.61384	1
				18.1	1	1.2576786	1	27.6	1	1.440909082	1	41	1	1.61278	1
				18.1	1	1.2576786	1	27.6	1	1.440909082	1	40.7	1	1.60959	1
				18	1	1.2552725	1	27.3	1	1.436162647	1	40.7	1	1.60959	1
				18	1	1.2552725	1	27.3	1	1.436162647	1	40.7	1	1.60959	1
				18	1	1.2552725	1	27.2	1	1.434568904	1	40.5	1	1.60746	1
				17.9	1	1.252853	1	27.2	1	1.434568904	1	40.5	1	1.60746	1
				17.9	1	1.252853	1	27.1	1	1.432969291	1	40.5	1	1.60746	1
				17.9	1	1.252853	1	27.1	1	1.432969291	1	40.3	1	1.60531	1

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

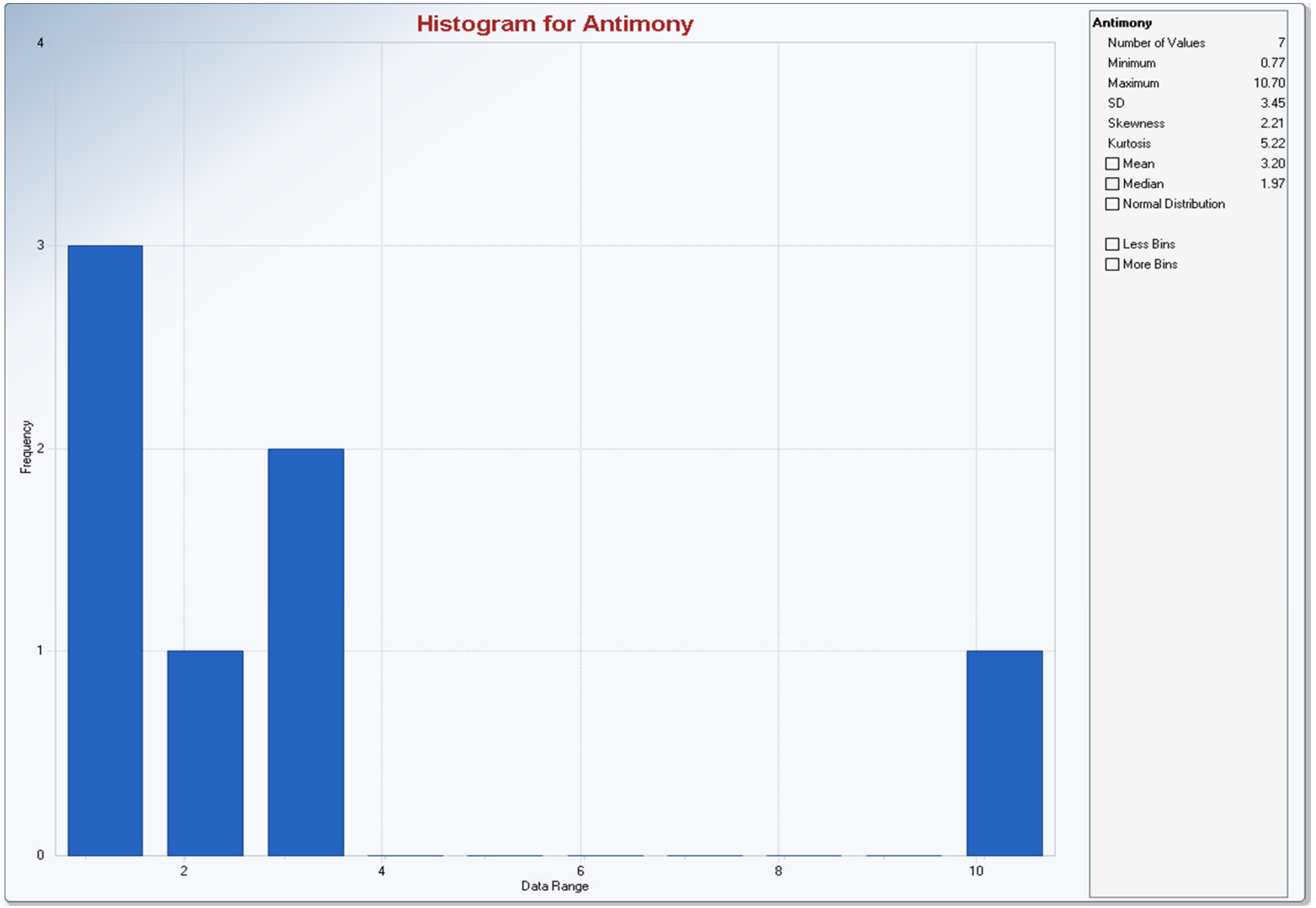
Molybdenum	d_Molybdenum	Molybdenum Log	d_Molybdenum Log	Nickel	d_Nickel	Nickel Log	d_Nickel Log	Vanadium	d_Vanadium	Vanadium Log	d_Vanadium Log	Zinc	d_Zinc	Zinc Log	d_Zinc Log
				17.8	1	1.25042	1	27	1	1.431363764	1	40.3	1	1.60531	1
				17.8	1	1.25042	1	26.9	1	1.42975228	1	40.3	1	1.60531	1
				17.7	1	1.2479733	1	26.8	1	1.428134794	1	40.3	1	1.60531	1
				17.7	1	1.2479733	1	26.8	1	1.428134794	1	40.2	1	1.60423	1
				17.6	1	1.2455127	1	26.7	1	1.426511261	1	40.2	1	1.60423	1
				17.6	1	1.2455127	1	26.6	1	1.424881637	1	40.1	1	1.60314	1
				17.6	1	1.2455127	1	26.6	1	1.424881637	1	40.1	1	1.60314	1
				17.6	1	1.2455127	1	26.5	1	1.423245874	1	39.7	1	1.59879	1
				17.6	1	1.2455127	1	26.5	1	1.423245874	1	39.7	1	1.59879	1
				17.5	1	1.243038	1	26.4	1	1.421603927	1	39.7	1	1.59879	1
				17.5	1	1.243038	1	26.4	1	1.421603927	1	39.6	1	1.5977	1
				17.5	1	1.243038	1	26.4	1	1.421603927	1	39.6	1	1.5977	1
				17.5	1	1.243038	1	26.4	1	1.421603927	1	39.6	1	1.5977	1
				17.4	1	1.2405492	1	26.4	1	1.421603927	1	39.5	1	1.5966	1
				17.4	1	1.2405492	1	26.3	1	1.419955748	1	39.4	1	1.5955	1
				17.4	1	1.2405492	1	26.2	1	1.418301291	1	39.2	1	1.59329	1
				17.4	1	1.2405492	1	26.2	1	1.418301291	1	39.2	1	1.59329	1
				17.3	1	1.2380461	1	26.2	1	1.418301291	1	39.2	1	1.59329	1
				17.3	1	1.2380461	1	26.1	1	1.416640507	1	39.2	1	1.59329	1
				17.3	1	1.2380461	1	26.1	1	1.416640507	1	39.1	1	1.59218	1
				17.3	1	1.2380461	1	26.1	1	1.416640507	1	39.1	1	1.59218	1
				17.2	1	1.2355284	1	25.8	1	1.411619706	1	39	1	1.59106	1
				17.2	1	1.2355284	1	25.8	1	1.411619706	1	38.9	1	1.58995	1
				17.2	1	1.2355284	1	25.7	1	1.409933123	1	38.9	1	1.58995	1
				17.2	1	1.2355284	1	25.7	1	1.409933123	1	38.7	1	1.58771	1
				17.2	1	1.2355284	1	25.7	1	1.409933123	1	38.7	1	1.58771	1
				17.2	1	1.2355284	1	25.6	1	1.408239965	1	38.7	1	1.58771	1
				17.2	1	1.2355284	1	25.5	1	1.40654018	1	38.6	1	1.58659	1
				17.1	1	1.2329961	1	25.5	1	1.40654018	1	38.6	1	1.58659	1
				17	1	1.2304489	1	25.5	1	1.40654018	1	38.6	1	1.58659	1
				17	1	1.2304489	1	25.3	1	1.403120521	1	38.5	1	1.58546	1
				17	1	1.2304489	1	25.2	1	1.401400541	1	38.4	1	1.58433	1
				17	1	1.2304489	1	25.2	1	1.401400541	1	38.3	1	1.5832	1
				17	1	1.2304489	1	25.2	1	1.401400541	1	38.1	1	1.58092	1
				16.8	1	1.2253093	1	25.2	1	1.401400541	1	38	1	1.57978	1
				16.8	1	1.2253093	1	25	1	1.397940009	1	38	1	1.57978	1
				16.8	1	1.2253093	1	25	1	1.397940009	1	37.9	1	1.57864	1
				16.8	1	1.2253093	1	25	1	1.397940009	1	37.9	1	1.57864	1
				16.8	1	1.2253093	1	24.9	1	1.396199347	1	37.7	1	1.57634	1
				16.8	1	1.2253093	1	24.8	1	1.394451681	1	37.7	1	1.57634	1
				16.8	1	1.2253093	1	24.8	1	1.394451681	1	37.7	1	1.57634	1
				16.7	1	1.2227165	1	24.8	1	1.394451681	1	37.5	1	1.57403	1
				16.7	1	1.2227165	1	24.7	1	1.392696953	1	37.5	1	1.57403	1
				16.7	1	1.2227165	1	24.5	1	1.389166084	1	37.5	1	1.57403	1
				16.6	1	1.2201081	1	24.5	1	1.389166084	1	37.4	1	1.57287	1
				16.6	1	1.2201081	1	24.5	1	1.389166084	1	37.4	1	1.57287	1
				16.6	1	1.2201081	1	24.4	1	1.387389826	1	37.4	1	1.57287	1
				16.6	1	1.2201081	1	24.3	1	1.385606274	1	37.3	1	1.57171	1
				16.4	1	1.2148438	1	24.2	1	1.383815366	1	37.1	1	1.56937	1
				16.4	1	1.2148438	1	24.2	1	1.383815366	1	37.1	1	1.56937	1
				16.4	1	1.2148438	1	24.1	1	1.382017043	1	37.1	1	1.56937	1
				16.4	1	1.2148438	1	24.1	1	1.382017043	1	36.9	1	1.56703	1
				16.4	1	1.2148438	1	24.1	1	1.382017043	1	36.8	1	1.56585	1
				16.4	1	1.2148438	1	24	1	1.380211242	1	36.8	1	1.56585	1
				16.4	1	1.2148438	1	24	1	1.380211242	1	36.7	1	1.56467	1
				16.3	1	1.2121876	1	24	1	1.380211242	1	36.5	1	1.56229	1
				16.2	1	1.209515	1	23.8	1	1.376576957	1	36.5	1	1.56229	1
				16.2	1	1.209515	1	23.7	1	1.374748346	1	36.5	1	1.56229	1
				16.2	1	1.209515	1	23.7	1	1.374748346	1	36.4	1	1.5611	1
				16.1	1	1.2068259	1	23.6	1	1.372912003	1	36.4	1	1.5611	1
				16.1	1	1.2068259	1	23.5	1	1.371067862	1	36.3	1	1.55991	1

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Molybdenum	d_Molybdenum	Molybdenum Log	d_Molybdenum Log	Nickel	d_Nickel	Nickel Log	d_Nickel Log	Vanadium	d_Vanadium	Vanadium Log	d_Vanadium Log	Zinc	d_Zinc	Zinc Log	d_Zinc Log
				16.1	1	1.2068259	1	23.5	1	1.371067862	1	36.3	1	1.55991	1
				16.1	1	1.2068259	1	23.4	1	1.369215857	1	36.3	1	1.55991	1
				16	1	1.20412	1	23.4	1	1.369215857	1	36.2	1	1.55871	1
				15.9	1	1.2013971	1	23.4	1	1.369215857	1	36.1	1	1.55751	1
				15.8	1	1.1986571	1	23.4	1	1.369215857	1	36	1	1.5563	1
				15.8	1	1.1986571	1	23.4	1	1.369215857	1	36	1	1.5563	1
				15.7	1	1.1958997	1	23.2	1	1.365487985	1	35.9	1	1.55509	1
				15.7	1	1.1958997	1	23.2	1	1.365487985	1	35.9	1	1.55509	1
				15.7	1	1.1958997	1	23.2	1	1.365487985	1	35.6	1	1.55145	1
				15.6	1	1.1931246	1	23.2	1	1.365487985	1	35.6	1	1.55145	1
				15.6	1	1.1931246	1	23.2	1	1.365487985	1	35.6	1	1.55145	1
				15.5	1	1.1903317	1	23.2	1	1.365487985	1	35.5	1	1.55023	1
				15.4	1	1.1875207	1	23.2	1	1.365487985	1	35.5	1	1.55023	1
				15.4	1	1.1875207	1	23.1	1	1.36361198	1	35.4	1	1.549	1
				15.4	1	1.1875207	1	23.1	1	1.36361198	1	35.4	1	1.549	1
				15.3	1	1.1846914	1	23	1	1.361727836	1	35.3	1	1.54777	1
				15.3	1	1.1846914	1	22.8	1	1.357934847	1	35.2	1	1.54654	1
				15.3	1	1.1846914	1	22.8	1	1.357934847	1	35.2	1	1.54654	1
				15.1	1	1.1789769	1	22.7	1	1.356025857	1	34.8	1	1.54158	1
				15.1	1	1.1789769	1	22.7	1	1.356025857	1	34.6	1	1.53908	1
				14.9	1	1.1731863	1	22.6	1	1.354108439	1	34.5	1	1.53782	1
				14.8	1	1.1702617	1	22.4	1	1.350248018	1	34.4	1	1.53656	1
				14.8	1	1.1702617	1	22.3	1	1.348304863	1	34.2	1	1.53403	1
				14.7	1	1.1673173	1	22.3	1	1.348304863	1	34.2	1	1.53403	1
				14.6	1	1.1643529	1	22.2	1	1.346352974	1	33.9	1	1.5302	1
				14.6	1	1.1643529	1	22.2	1	1.346352974	1	33.6	1	1.52634	1
				14.6	1	1.1643529	1	22.1	1	1.344392274	1	33.5	1	1.52504	1
				14.6	1	1.1643529	1	21.8	1	1.338456494	1	33.1	1	1.51983	1
				14.5	1	1.161368	1	21.6	1	1.334453751	1	33	1	1.51851	1
				14.5	1	1.161368	1	21.6	1	1.334453751	1	32.9	1	1.5172	1
				14.4	1	1.1583625	1	21.6	1	1.334453751	1	32.9	1	1.5172	1
				14.4	1	1.1583625	1	21.5	1	1.33243846	1	32.8	1	1.51587	1
				14.3	1	1.155336	1	21.4	1	1.330413773	1	32.8	1	1.51587	1
				14.3	1	1.155336	1	21.4	1	1.330413773	1	32.7	1	1.51455	1
				14	1	1.146128	1	21.4	1	1.330413773	1	32.7	1	1.51455	1
				13.7	1	1.1367206	1	21.2	1	1.326335861	1	32.5	1	1.51188	1
				13.7	1	1.1367206	1	21.1	1	1.324282455	1	32.4	1	1.51055	1
				13.6	1	1.1335389	1	21	1	1.322219295	1	32.1	1	1.50651	1
				13.6	1	1.1335389	1	20.9	1	1.320146286	1	32	1	1.50515	1
				13.5	1	1.1303338	1	20.9	1	1.320146286	1	31.8	1	1.50243	1
				13.4	1	1.1271048	1	20.8	1	1.318063335	1	31.6	1	1.49969	1
				13.3	1	1.1238516	1	20.7	1	1.315970345	1	31.5	1	1.49831	1
				13	1	1.1139434	1	20.5	1	1.311753861	1	31.5	1	1.49831	1
				13	1	1.1139434	1	20.3	1	1.307496038	1	31.1	1	1.49276	1
				13	1	1.1139434	1	20	1	1.301029996	1	30.9	1	1.48996	1
				13	1	1.1139434	1	19.9	1	1.298853076	1	30.8	1	1.48855	1
				12.8	1	1.10721	1	19.6	1	1.292256071	1	30.7	1	1.48714	1
				12.7	1	1.1038037	1	19.5	1	1.290034611	1	30.7	1	1.48714	1
				12.7	1	1.1038037	1	19.5	1	1.290034611	1	30.5	1	1.4843	1
				12.4	1	1.0934217	1	19.3	1	1.285557309	1	30.5	1	1.4843	1
				12.4	1	1.0934217	1	19.3	1	1.285557309	1	30.2	1	1.48001	1
				12.3	1	1.0899051	1	19.2	1	1.283301229	1	30	1	1.47712	1
				12.3	1	1.0899051	1	18.8	1	1.274157849	1	29.9	1	1.47567	1
				12	1	1.0791812	1	18.7	1	1.271841607	1	28.8	1	1.45939	1
				11.9	1	1.075547	1	18.6	1	1.269512944	1	28.7	1	1.45788	1
				11.8	1	1.071882	1	18.3	1	1.26245109	1	28.7	1	1.45788	1
				11.8	1	1.071882	1	18.2	1	1.260071388	1	28.5	1	1.45484	1
				11.7	1	1.0681859	1	18.2	1	1.260071388	1	28.4	1	1.45332	1
				10.8	1	1.0334238	1	17.8	1	1.250420002	1	28.1	1	1.44871	1
				10.8	1	1.0334238	1	17.3	1	1.238046103	1	27.7	1	1.44248	1
				10.7	1	1.0293838	1	17.1	1	1.23299611	1	27.6	1	1.44091	1

ProUCL Input Sheet
Metals Data Set - Normal and Lognormal Concentrations in Milligrams per Kilogram

Molybdenum	d_Molybdenum	Molybdenum Log	d_Molybdenum Log	Nickel	d_Nickel	Nickel Log	d_Nickel Log	Vanadium	d_Vanadium	Vanadium Log	d_Vanadium Log	Zinc	d_Zinc	Zinc Log	d_Zinc Log
				10.6	1	1.0253059	1	16.8	1	1.225309282	1	27.2	1	1.43457	1
				10.5	1	1.0211893	1	16.8	1	1.225309282	1	26.8	1	1.42813	1
				10.2	1	1.0086002	1	16.3	1	1.212187604	1	26.1	1	1.41664	1
				10.1	1	1.0043214	1	16.2	1	1.209515015	1	24.8	1	1.39445	1
				10	1	1	1	16	1	1.204119983	1	24.4	1	1.38739	1
				9.8	1	0.9912261	1	15.6	1	1.193124598	1	20.5	1	1.31175	1
				9.65	1	0.9845273	1	14.7	1	1.167317335	1	20	1	1.30103	1
				9.65	1	0.9845273	1	13.2	1	1.120573931	1	19.5	1	1.29003	1
				9.5	1	0.9777236	1	13	1	1.113943352	1	17.5	1	1.24304	1
				9.37	1	0.9717396	1	10.5	1	1.021189299	1	14.7	1	1.16732	1
				9.3	1	0.9684829	1	5.1	1	0.707570176	1	11.7	1	1.06819	1
				9.1	1	0.9590414	1								
				8.95	1	0.951823	1								
				8.55	1	0.9319661	1								
				8.5	1	0.9294189	1								
				8.5	1	0.9294189	1								
				8.3	1	0.9190781	1								
				8.1	1	0.908485	1								
				7.95	1	0.9003671	1								
				7.95	1	0.9003671	1								
				7.94	1	0.8998205	1								
				7.75	1	0.8893017	1								
				7.75	1	0.8893017	1								
				7.65	1	0.8836614	1								
				7.55	1	0.877947	1								
				7.3	1	0.8633229	1								
				7.15	1	0.854306	1								
				7.05	1	0.8481891	1								
				7	1	0.845098	1								
				6.8	1	0.8325089	1								
				6.79	1	0.8318698	1								
				6.75	1	0.8293038	1								
				6.51	1	0.813581	1								
				6.5	1	0.8129134	1								
				6.2	1	0.7923917	1								
				6.15	1	0.7888751	1								
				6.11	1	0.7860412	1								
				5.9	1	0.770852	1								
				5.45	1	0.7363965	1								
				4.8	1	0.6812412	1								
				4.15	1	0.6180481	1								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Frequency
Data Range
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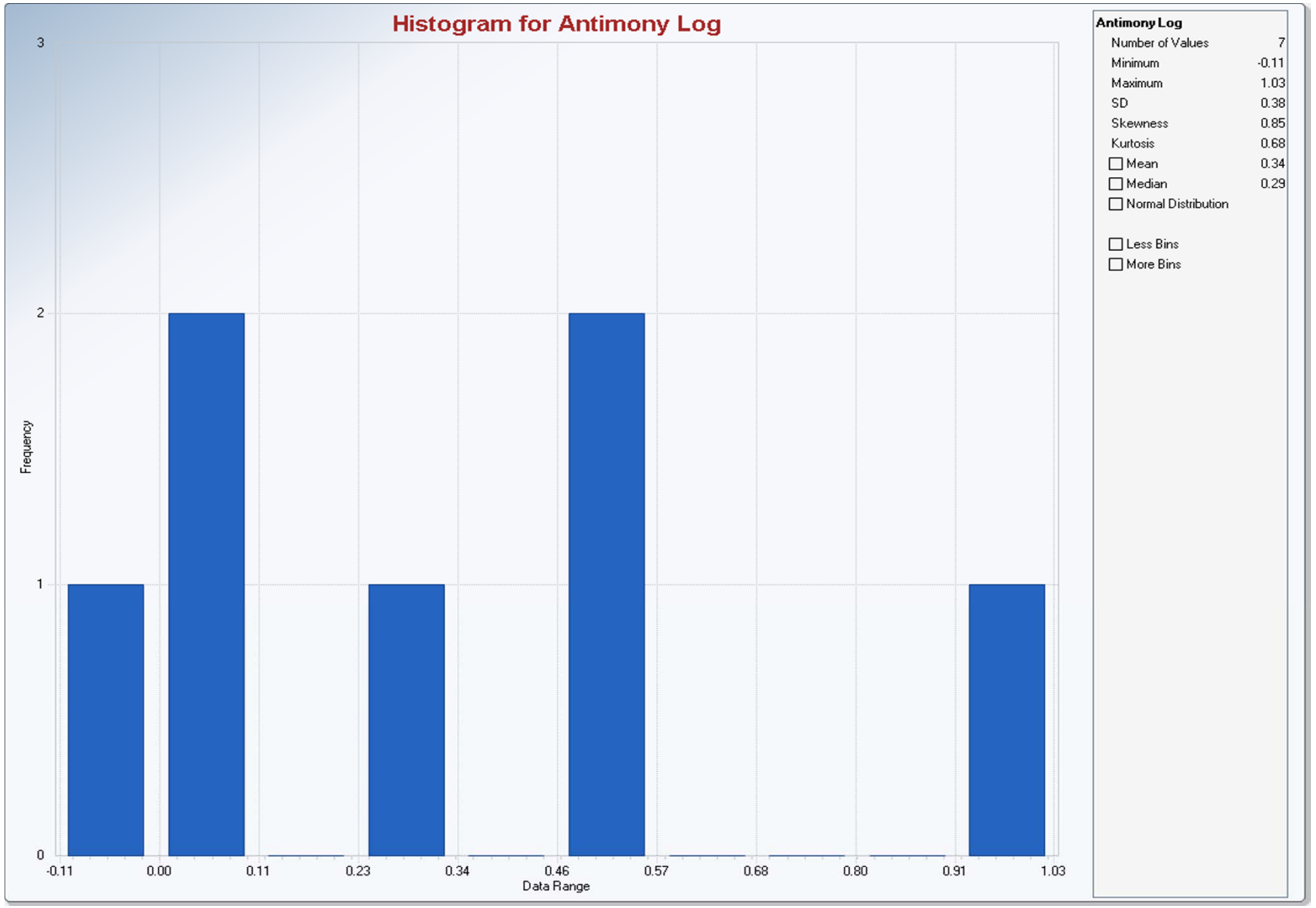
2
3
4
2
4
6
8
10
Antimony
Number of Values 7
Minimum 0.77
Maximum 10.70
SD 3.45
Skewness 2.21
Kurtosis 5.22
Mean 3.20
Median 1.97
Normal Distribution
Less Bins
More Bins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Frequency
Data Range
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1
2
3
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0.00
0.11
0.23
0.34
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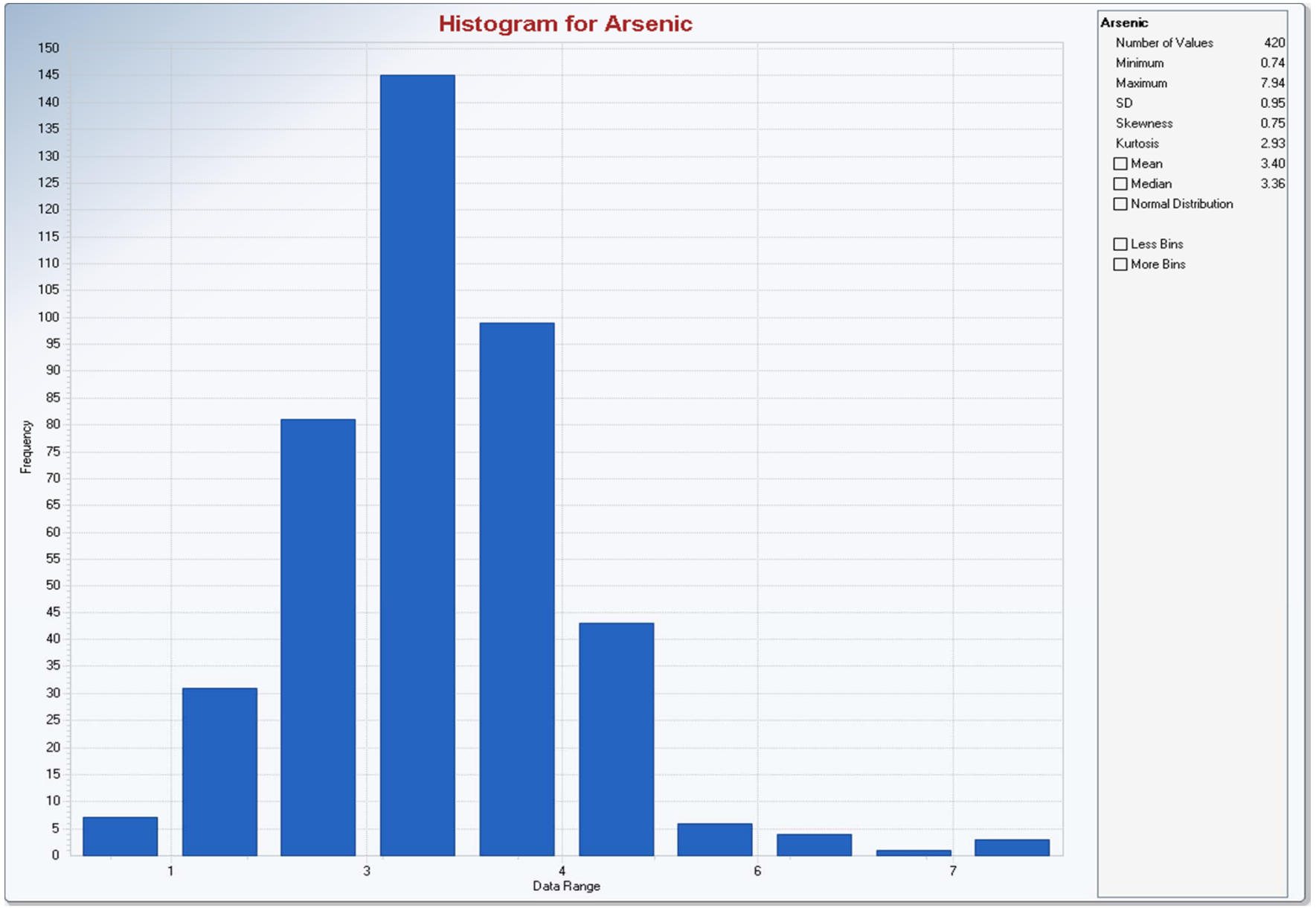
0.57
0.68
0.80
0.91
1.03
Antimony Log
Number of Values 7
Minimum -0.11
Maximum 1.03
SD 0.38
Skewness 0.85
Kurtosis 0.68
Mean 0.34
Median 0.29
Normal Distribution
Less Bins
More Bins


Histogram for Arsenic
Frequency
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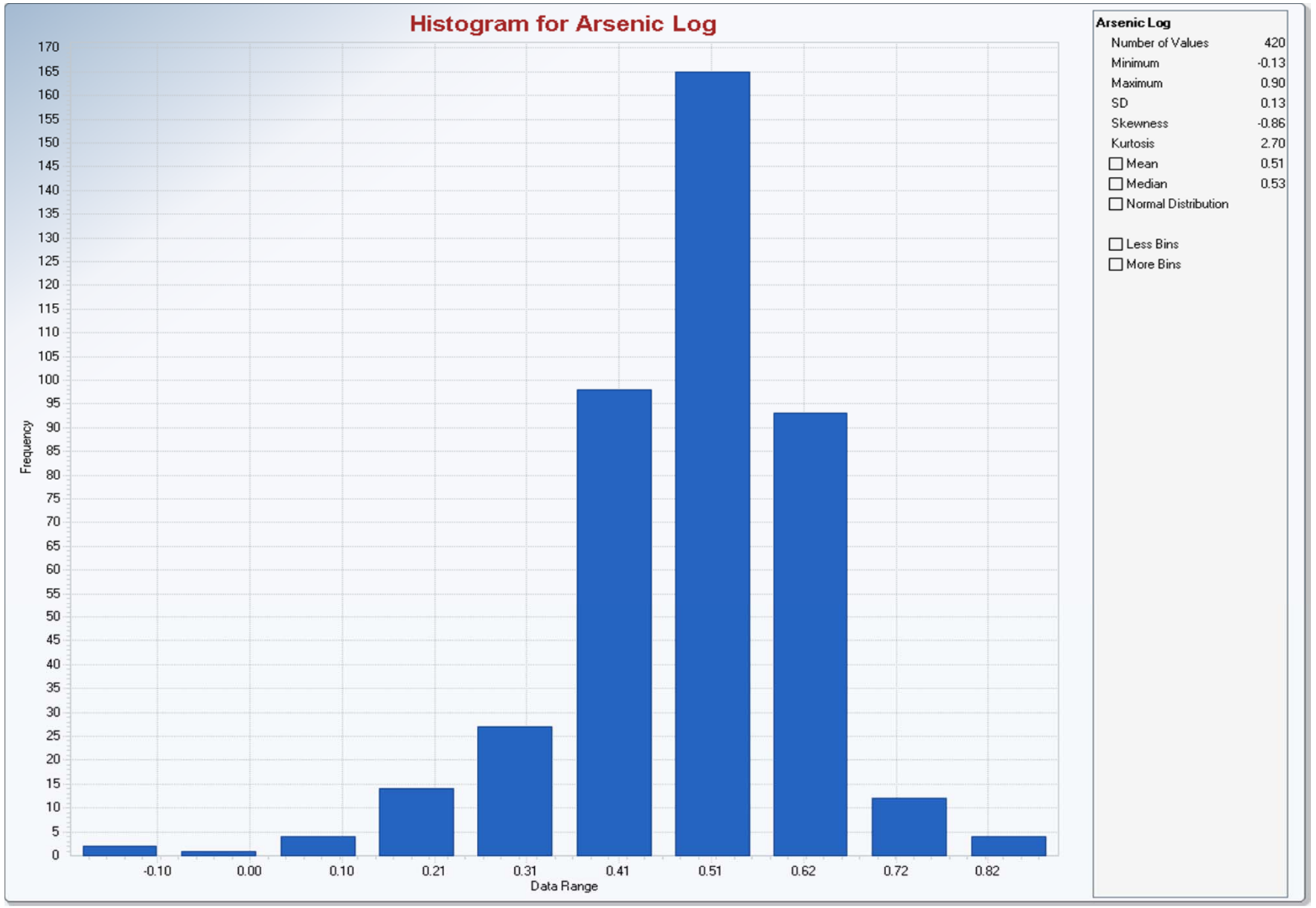
145
140
135
130
125
120
115
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
1
3
4
6
7
Data Range
Arsenic
Number of Values 420
Minimum 0.74
Maximum 7.94
SD 0.95
Skewness 0.75
Kurtosis 2.93
Mean 3.40
Median 3.36
Normal Distribution
Less Bins
More Bins


Histogram for Arsenic Log
Frequency
Data Range
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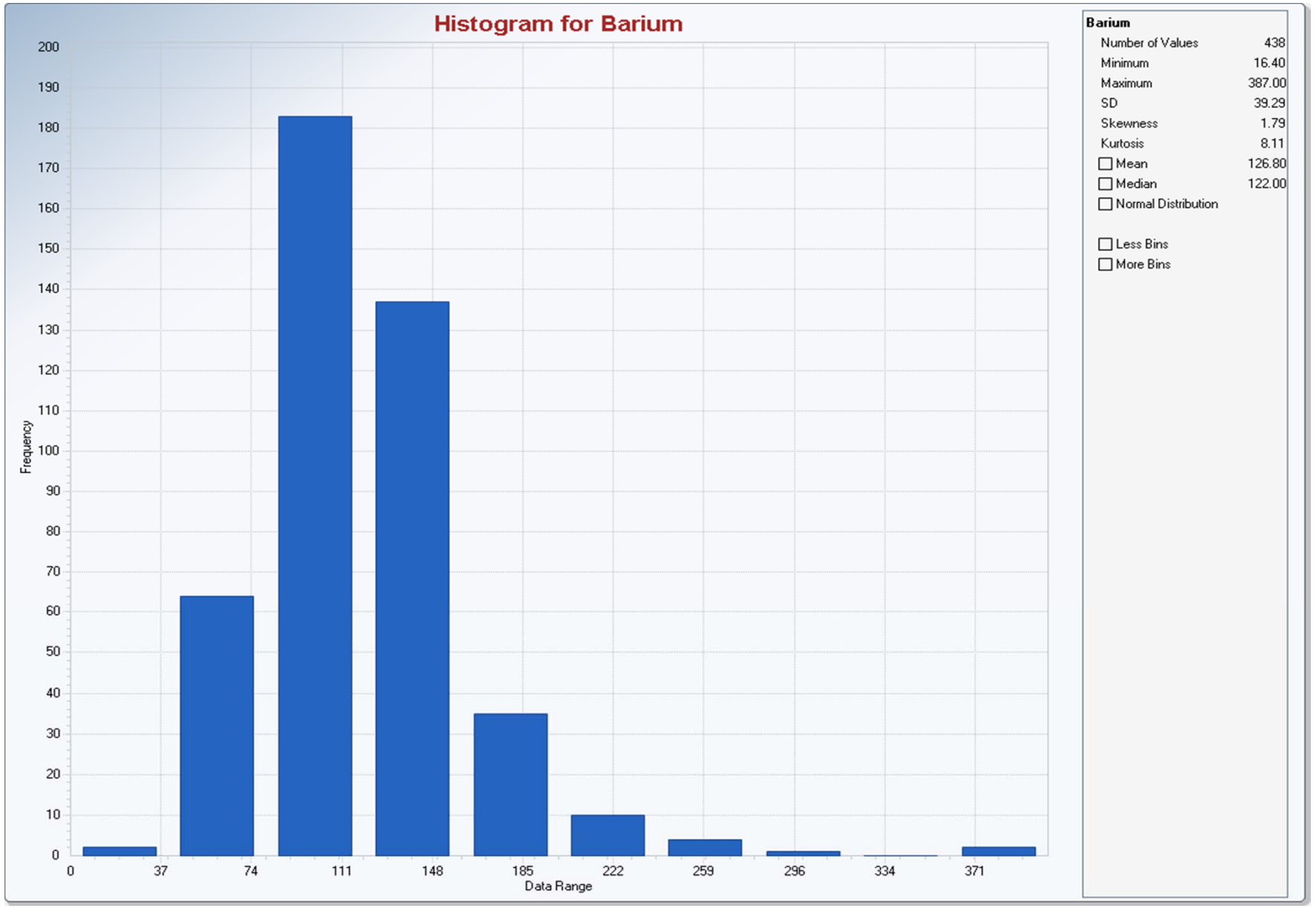
0.00
0.10
0.21
0.31
0.41
0.51
0.62
0.72
0.82
Arsenic Log
Number of Values 420
Minimum -0.13
Maximum 0.90
SD 0.13
Skewness -0.86
Kurtosis 2.70
Mean 0.51
Median 0.53
Normal Distribution
Less Bins
More Bins


Histogram for Barium
Frequency
Data Range
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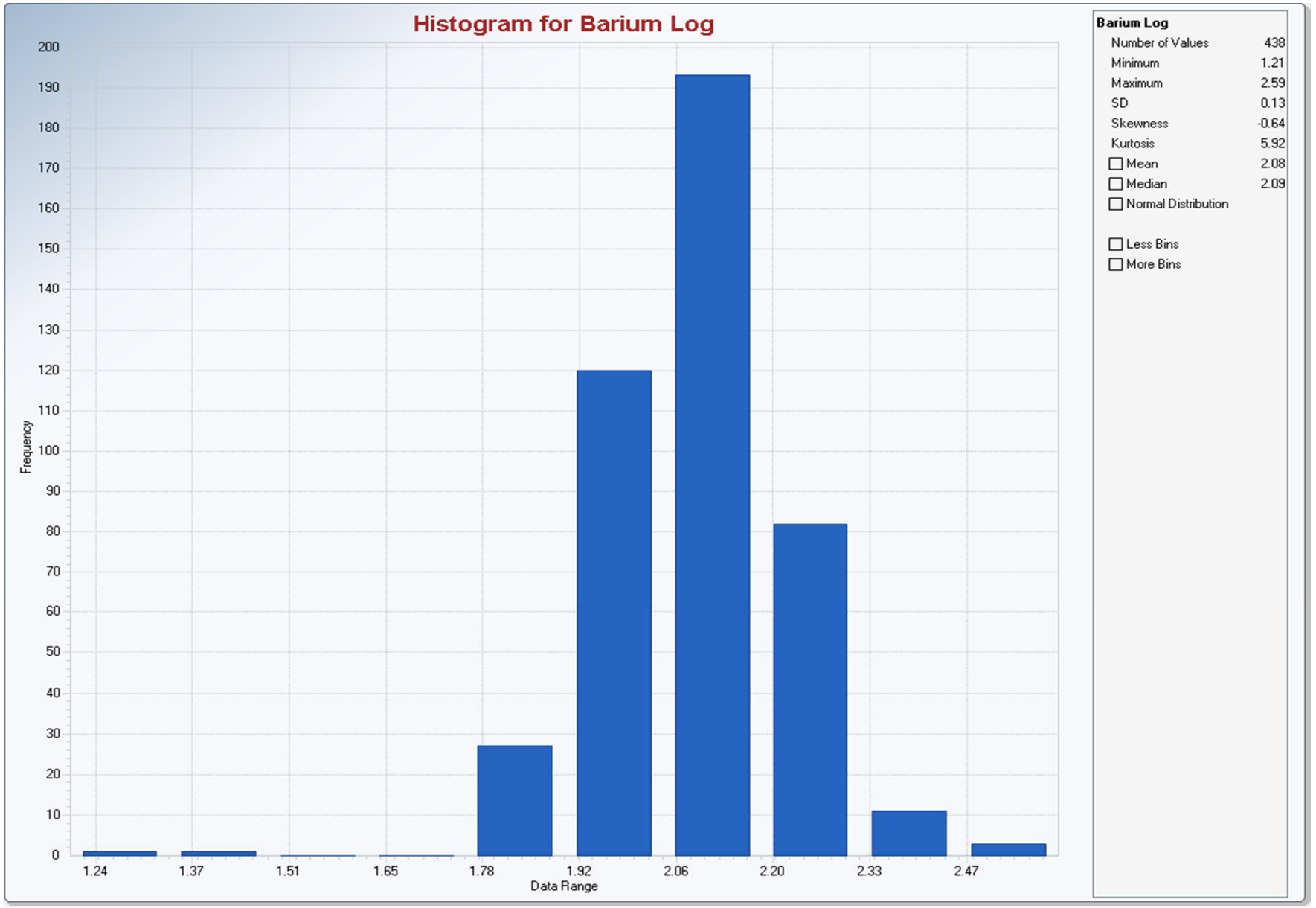
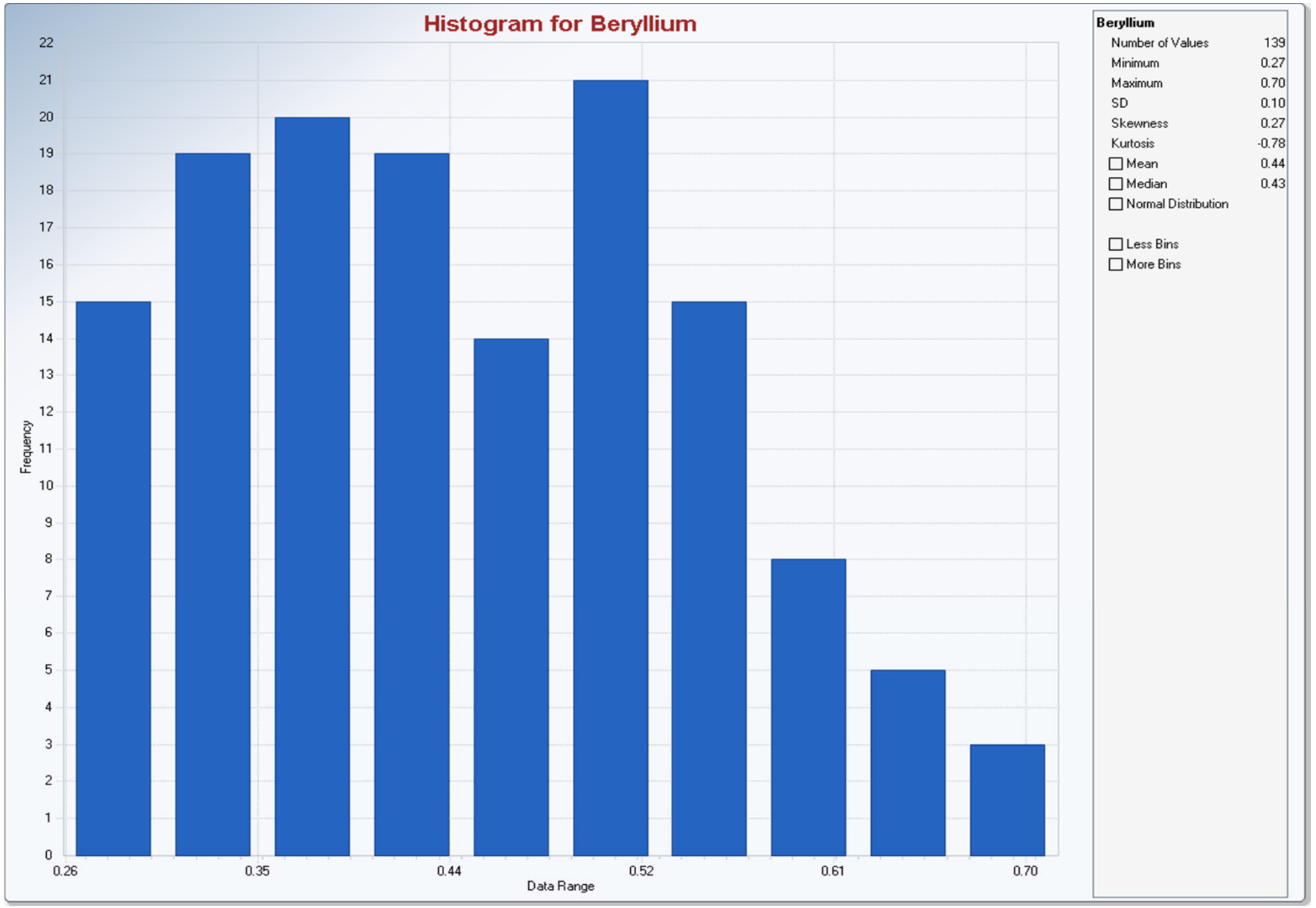
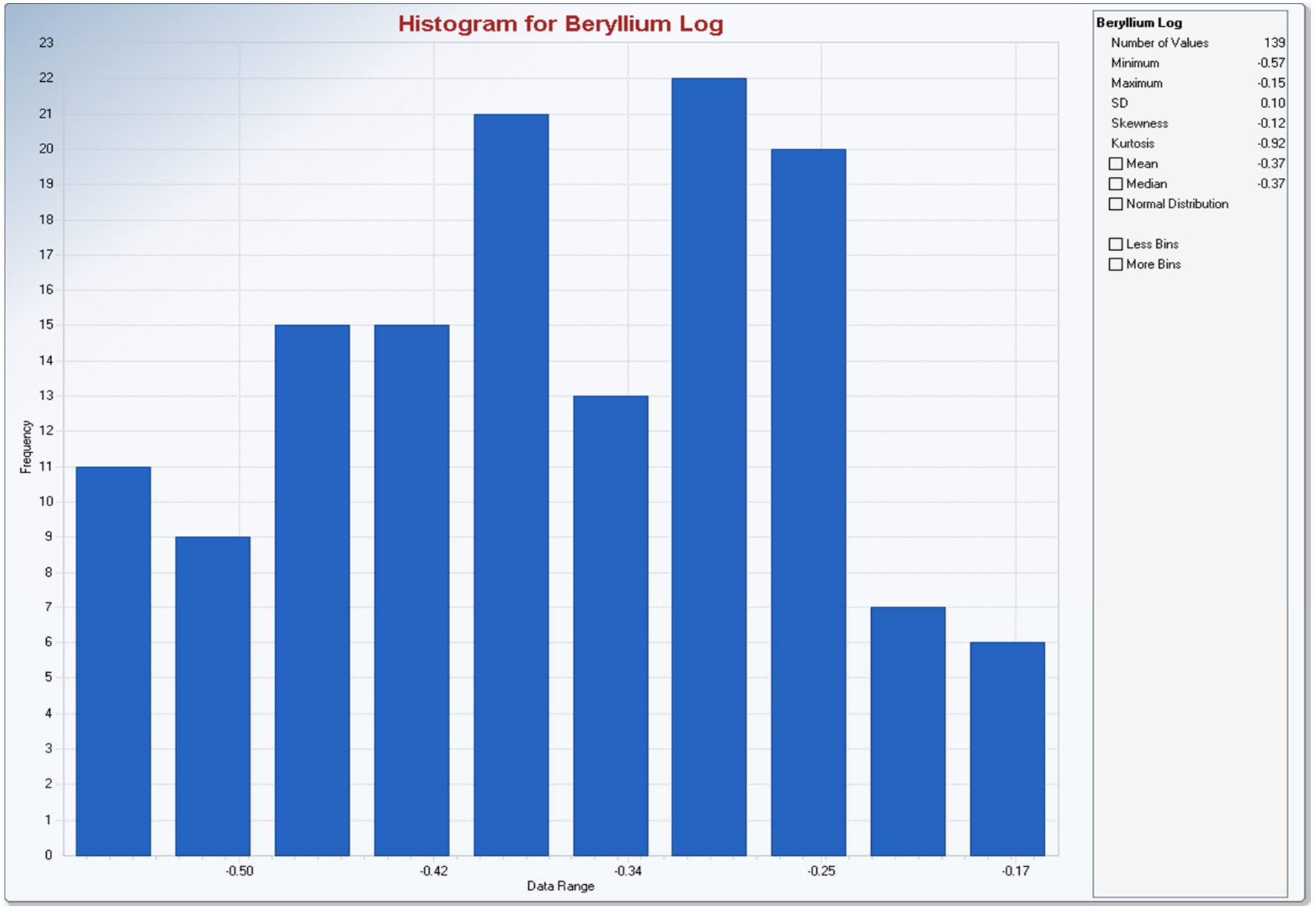
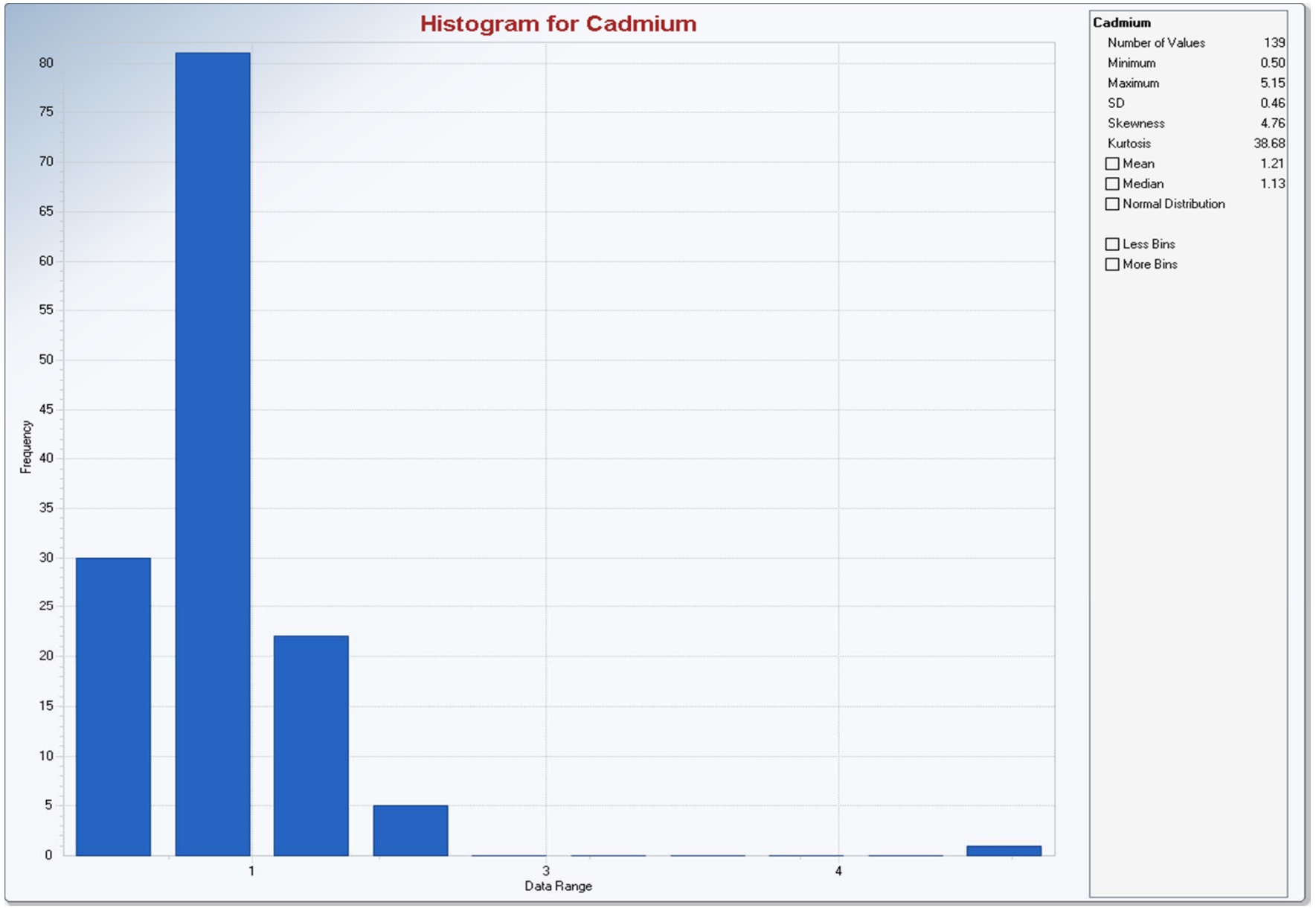
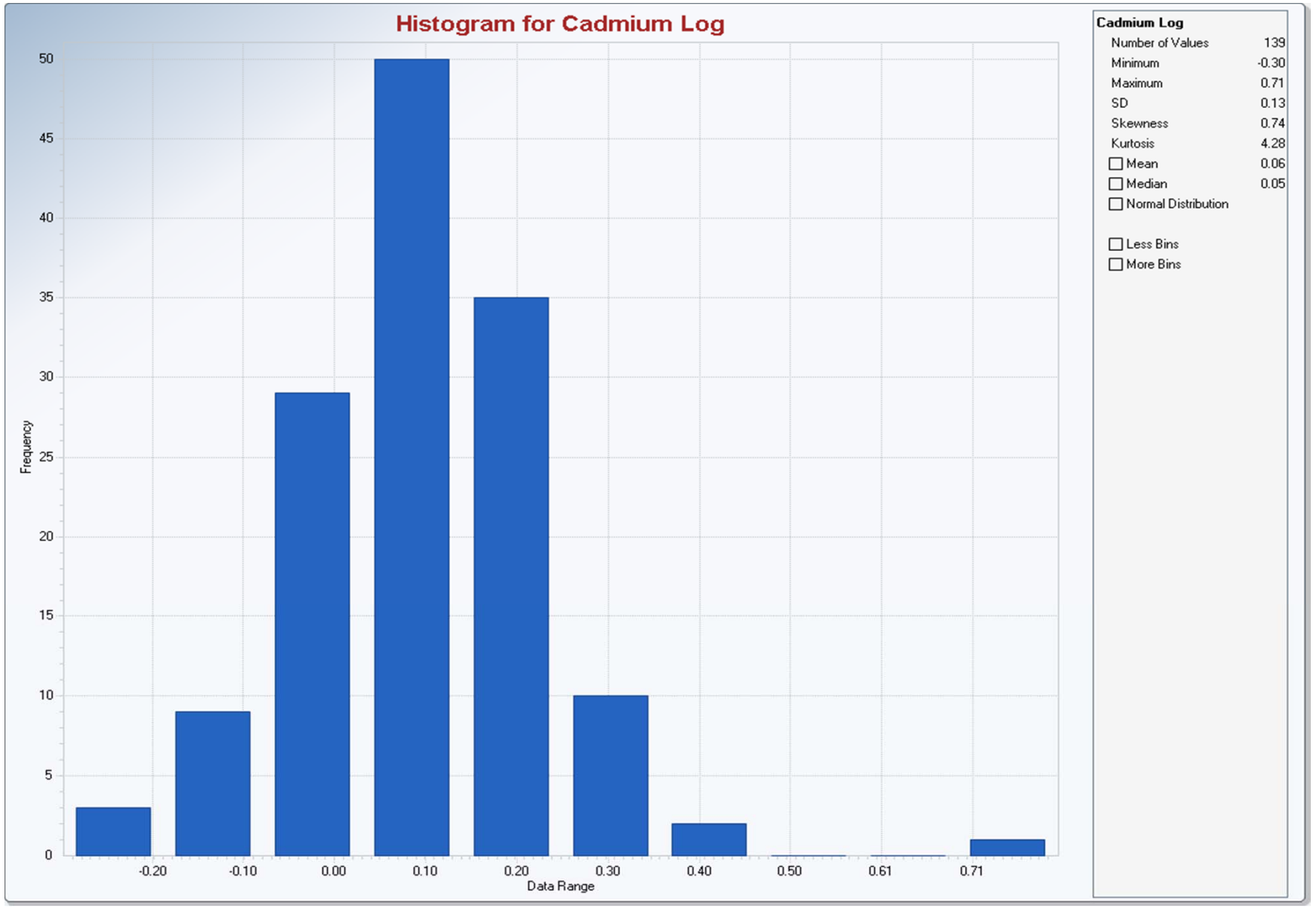
37
74
111
148
185
222
259
296
334
371
Barium
Number of Values 438
Minimum 16.40
Maximum 387.00
SD 39.29
Skewness 1.79
Kurtosis 8.11
Mean 126.80
Median 122.00
Normal Distribution
Less Bins
More Bins

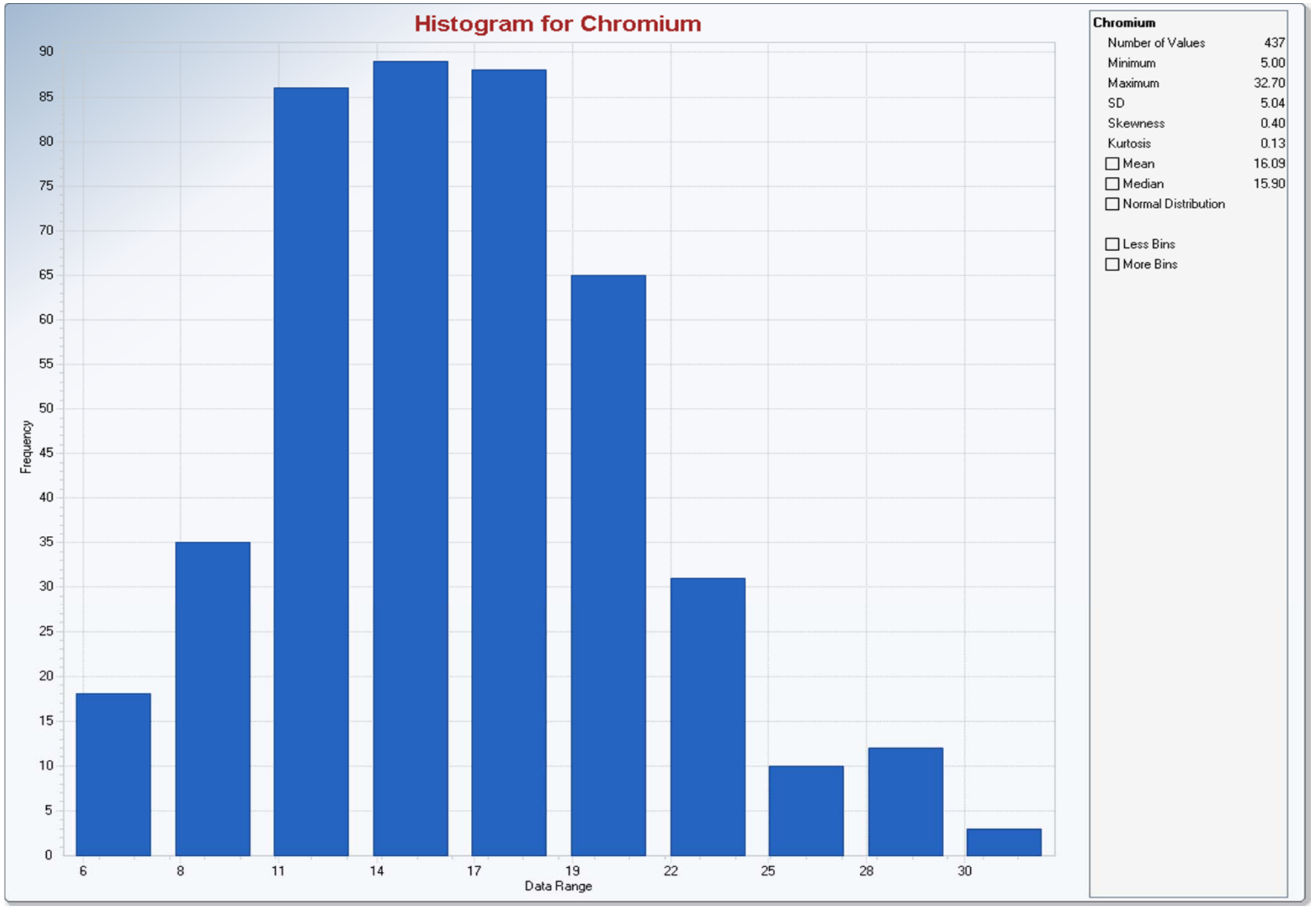

Histogram for Barium Log
Frequency
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
1.24
1.37
1.51
1.65
1.78
1.92
2.06
2.20
2.33
2.47
Data Range
Barium Log
Number of Values 438
Minimum 1.21
Maximum 2.59
SD 0.13
Skewness -0.64
Kurtosis 5.92
Mean 2.08
Median 2.09
Normal Distribution
Less Bins
More Bins

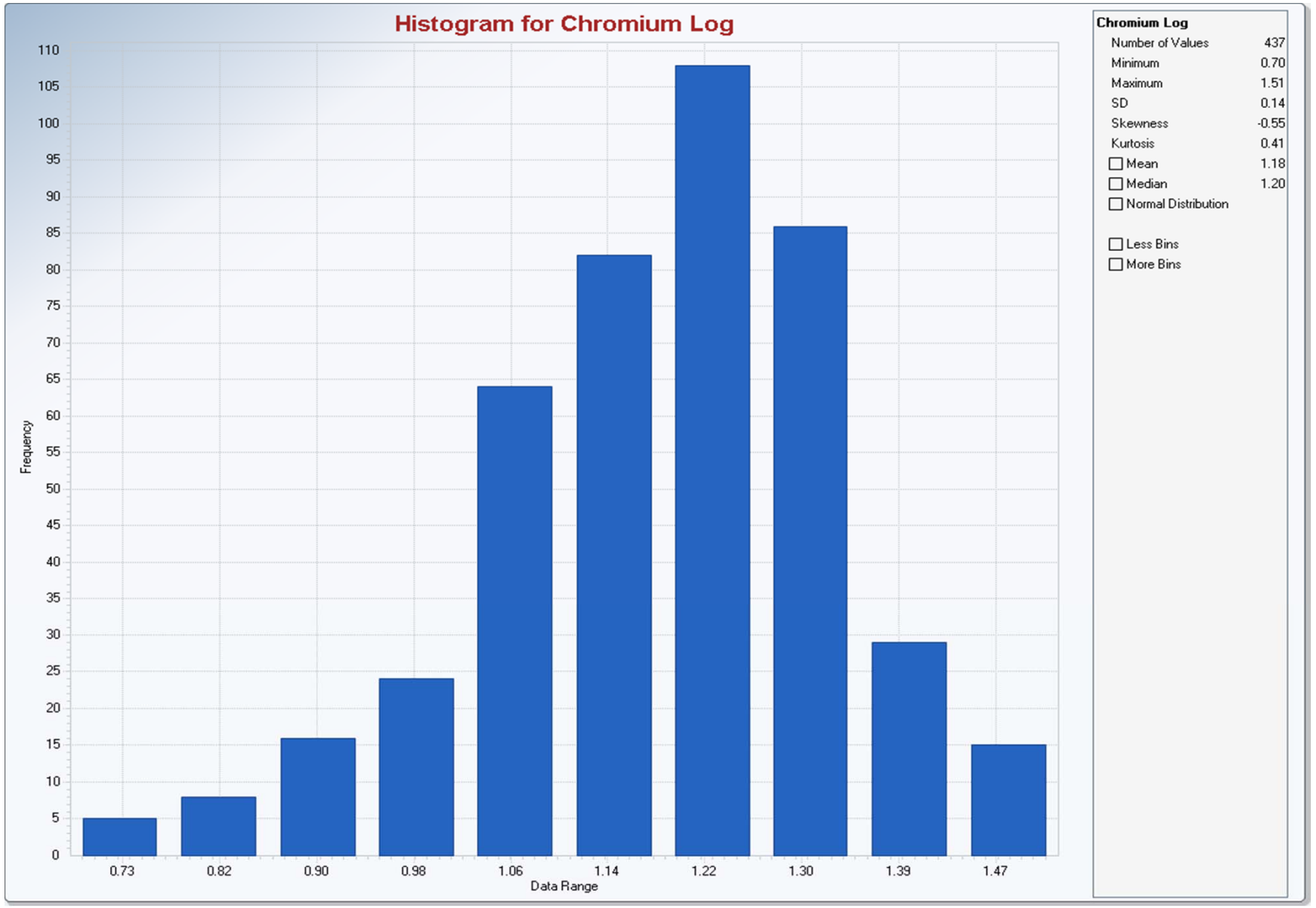

Histogram for Beryllium
Frequency
Data Range
0.26
0.35
0.44
0.52
0.61
0.70
Beryllium
Number of Values 139
Minimum 0.27
Maximum 0.70
SD 0.10
Skewness 0.27
Kurtosis -0.78
Mean 0.44
Median 0.43
Normal Distribution
Less Bins
More Bins

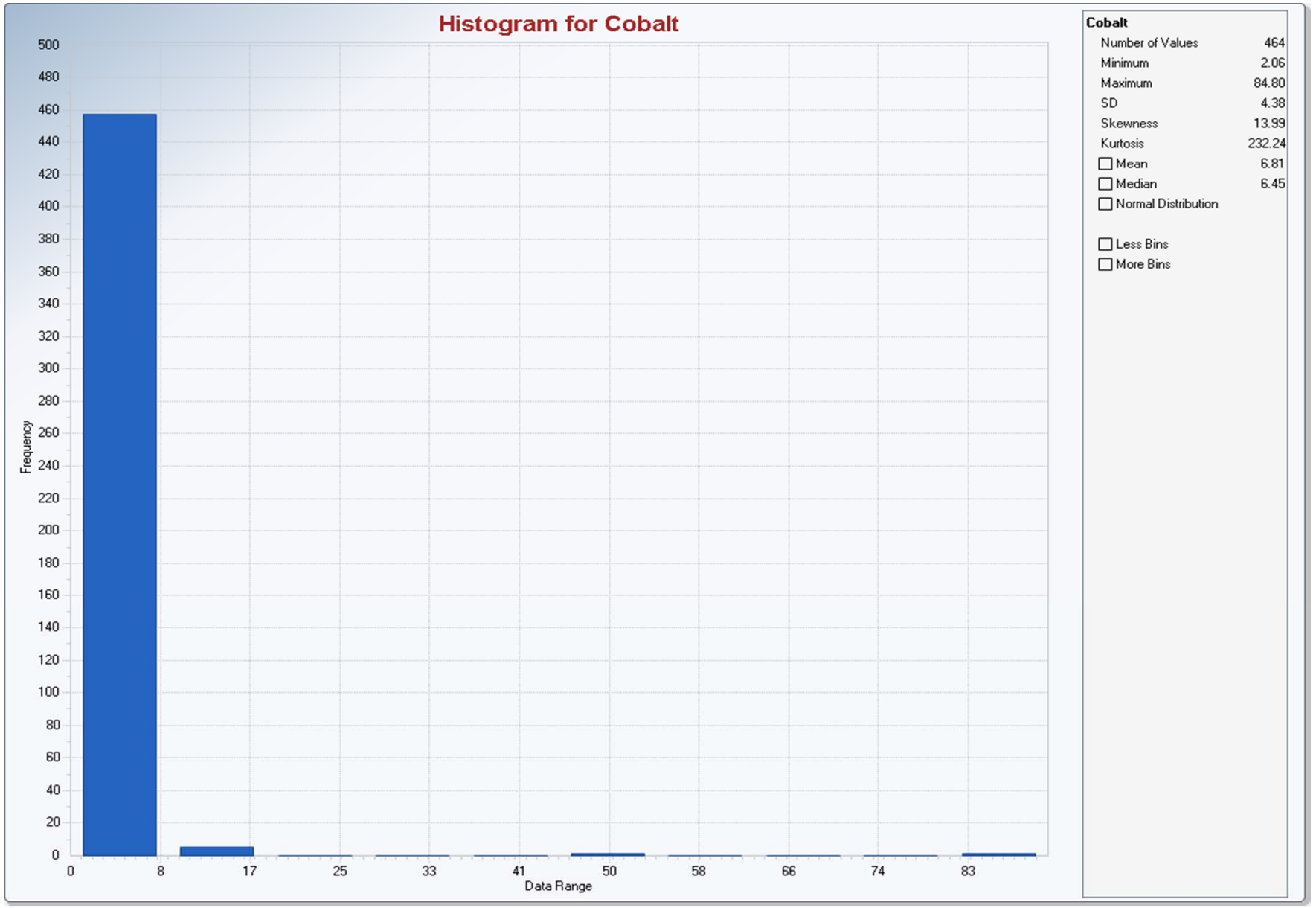

Histogram for Beryllium Log
Frequency
Data Range
-0.50
-0.42
-0.34
-0.25
-0.17
Beryllium Log
Number of Values 139
Minimum -0.57
Maximum -0.15
SD 0.10
Skewness -0.12
Kurtosis -0.92
Mean -0.37
Median -0.37
Normal Distribution
Less Bins
More Bins

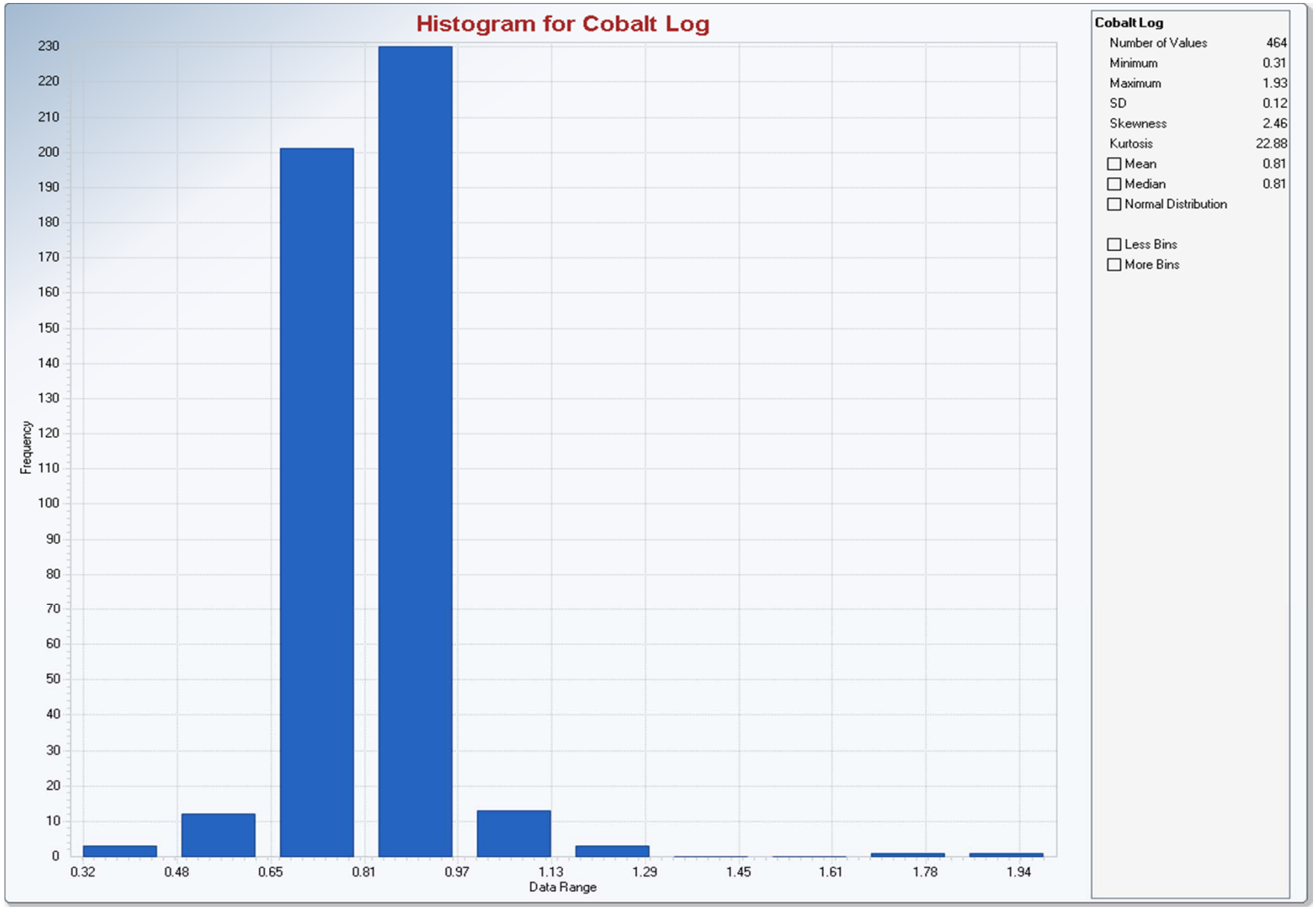

Histogram for Cadmium
Frequency
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
1
3
4
Data Range
Cadmium
Number of Values 139
Minimum 0.50
Maximum 5.15
SD 0.46
Skewness 4.76
Kurtosis 38.68
Mean 1.21
Median 1.13
Normal Distribution
Less Bins
More Bins

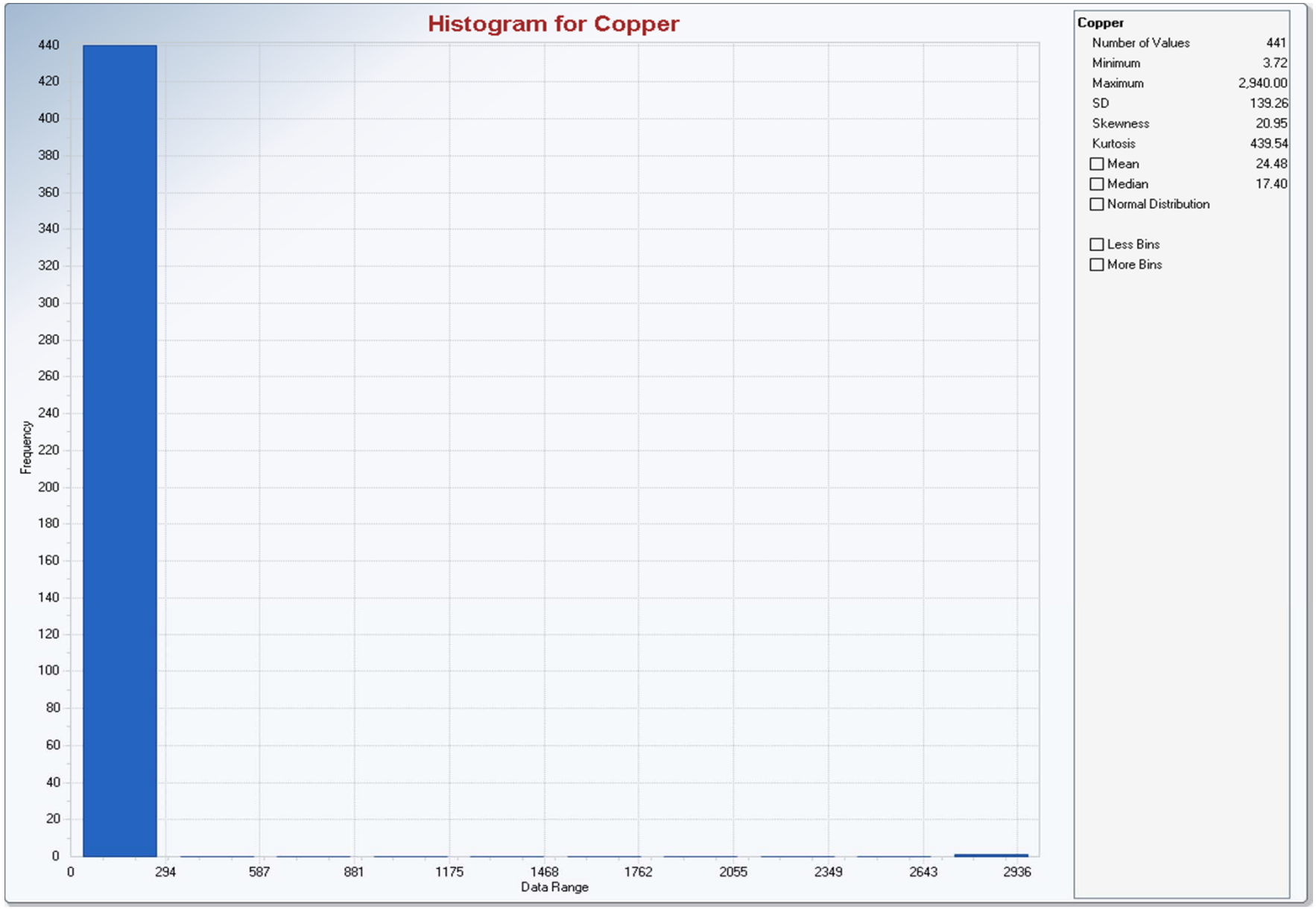

Histogram for Cadmium Log
Frequency
50
45
40
35
30
25
20
15
10
5
0
-0.20
-0.10
0.00
0.10
0.20
0.30
0.40
0.50
0.61
0.71
Data Range
Cadmium Log
Number of Values 139
Minimum -0.30
Maximum 0.71
SD 0.13
Skewness 0.74
Kurtosis 4.28
Mean 0.06
Median 0.05
Normal Distribution
Less Bins
More Bins

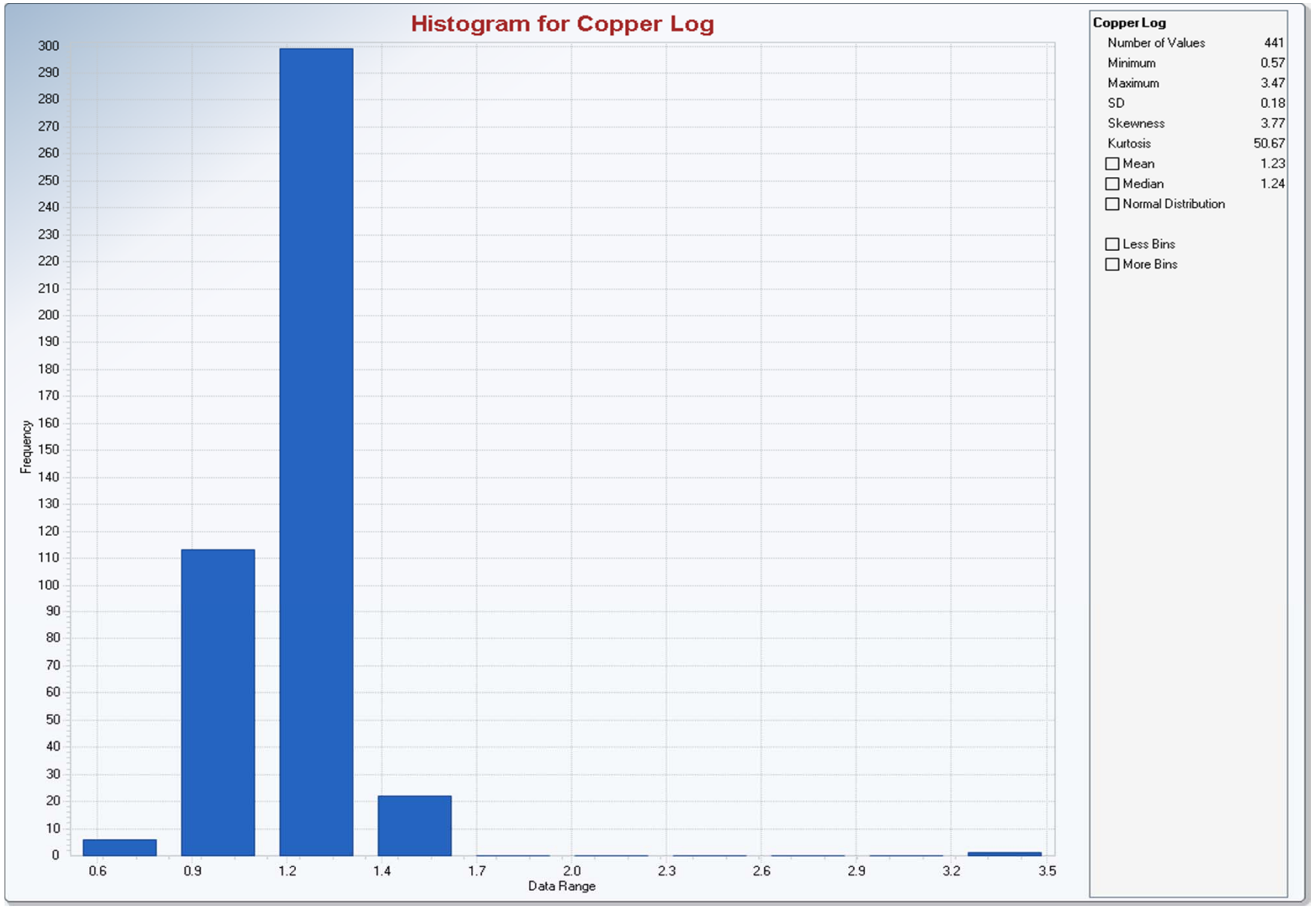

Histogram for Chromium
Frequency
Data Range
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
6
8
11
14
17
19
22
25
28
30
Chromium
Number of Values 437
Minimum 5.00
Maximum 32.70
SD 5.04
Skewness 0.40
Kurtosis 0.13
Mean 16.09
Median 15.90
Normal Distribution
Less Bins
More Bins

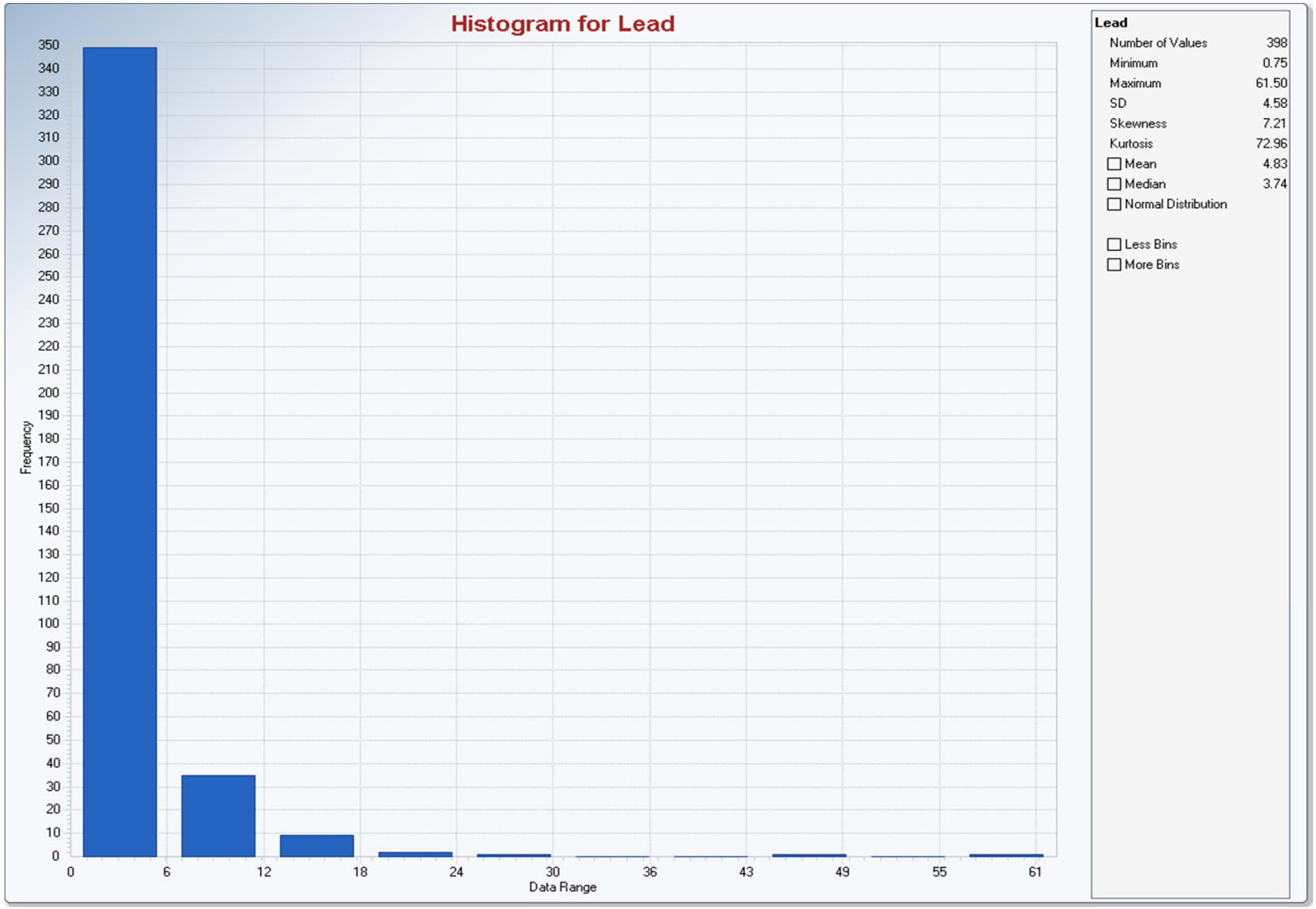

Histogram for Chromium Log
Frequency
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
0.73
0.82
0.90
0.98
1.06
1.14
1.22
1.30
1.39
1.47
Data Range
Chromium Log
Number of Values 437
Minimum 0.70
Maximum 1.51
SD 0.14
Skewness -0.55
Kurtosis 0.41
Mean 1.18
Median 1.20
Normal Distribution
Less Bins
More Bins

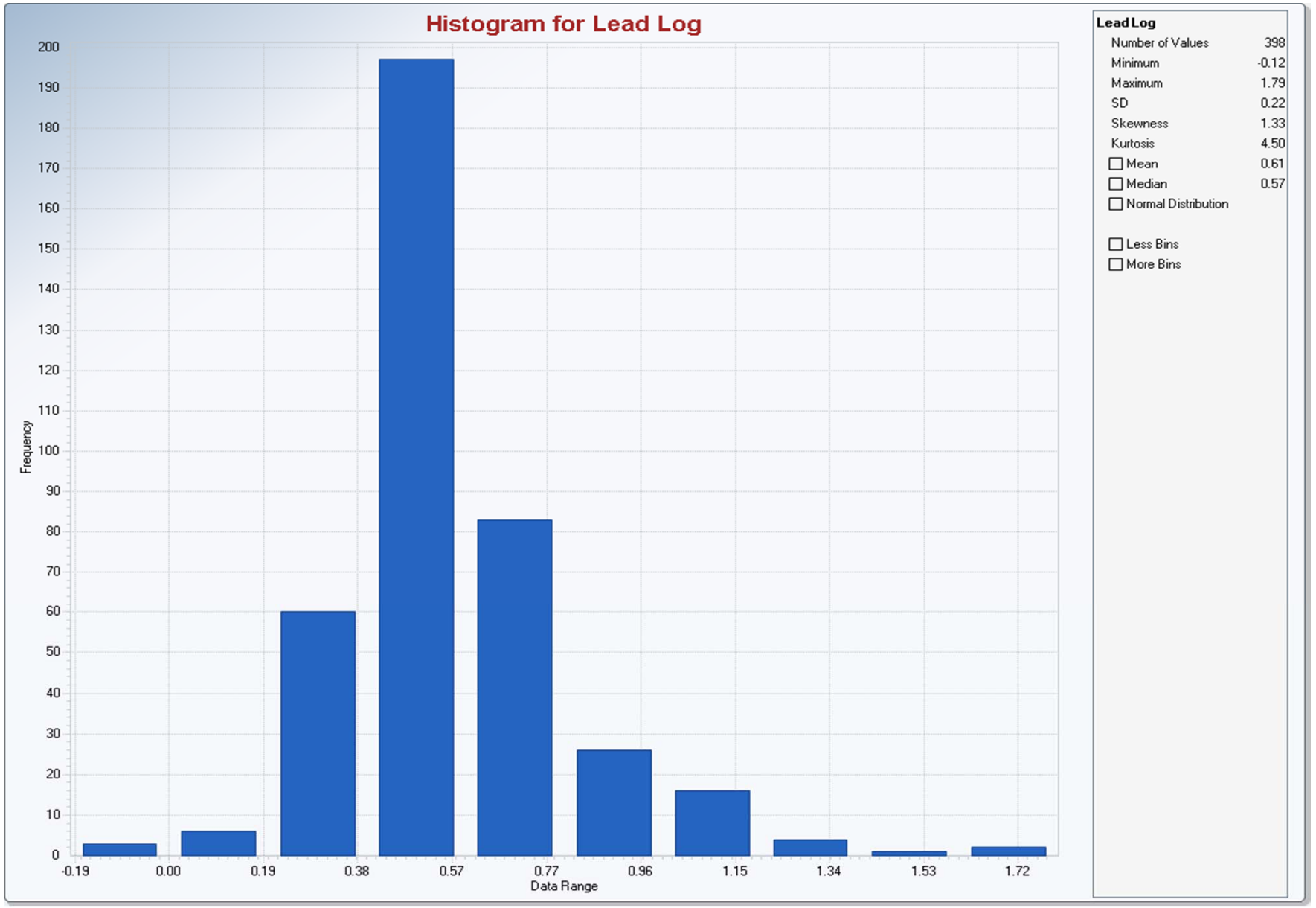

Histogram for Cobalt
Frequency
500
480
460
440
420
400
380
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
0
8
17
25
33
41
50
58
66
74
83
Data Range
Cobalt
Number of Values 464
Minimum 2.06
Maximum 84.80
SD 4.38
Skewness 13.99
Kurtosis 232.24
Mean 6.81
Median 6.45
Normal Distribution
Less Bins
More Bins

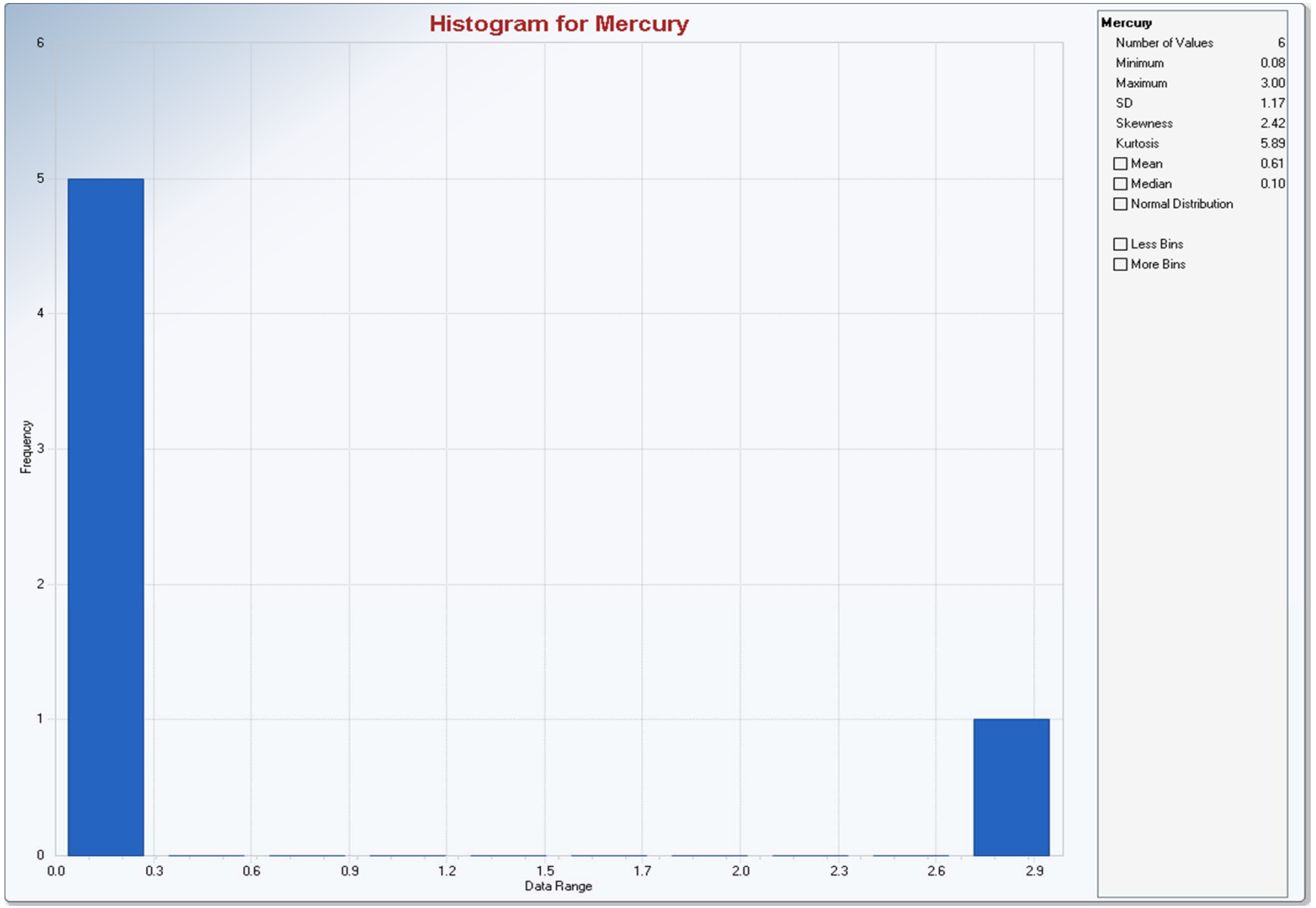

Histogram for Cobalt Log
Frequency
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
0.32
0.48
0.65
0.81
0.97
1.13
1.29
1.45
1.61
1.78
1.94
Data Range
Cobalt Log
Number of Values 464
Minimum 0.31
Maximum 1.93
SD 0.12
Skewness 2.46
Kurtosis 22.88
Mean 0.81
Median 0.81
Normal Distribution
Less Bins
More Bins

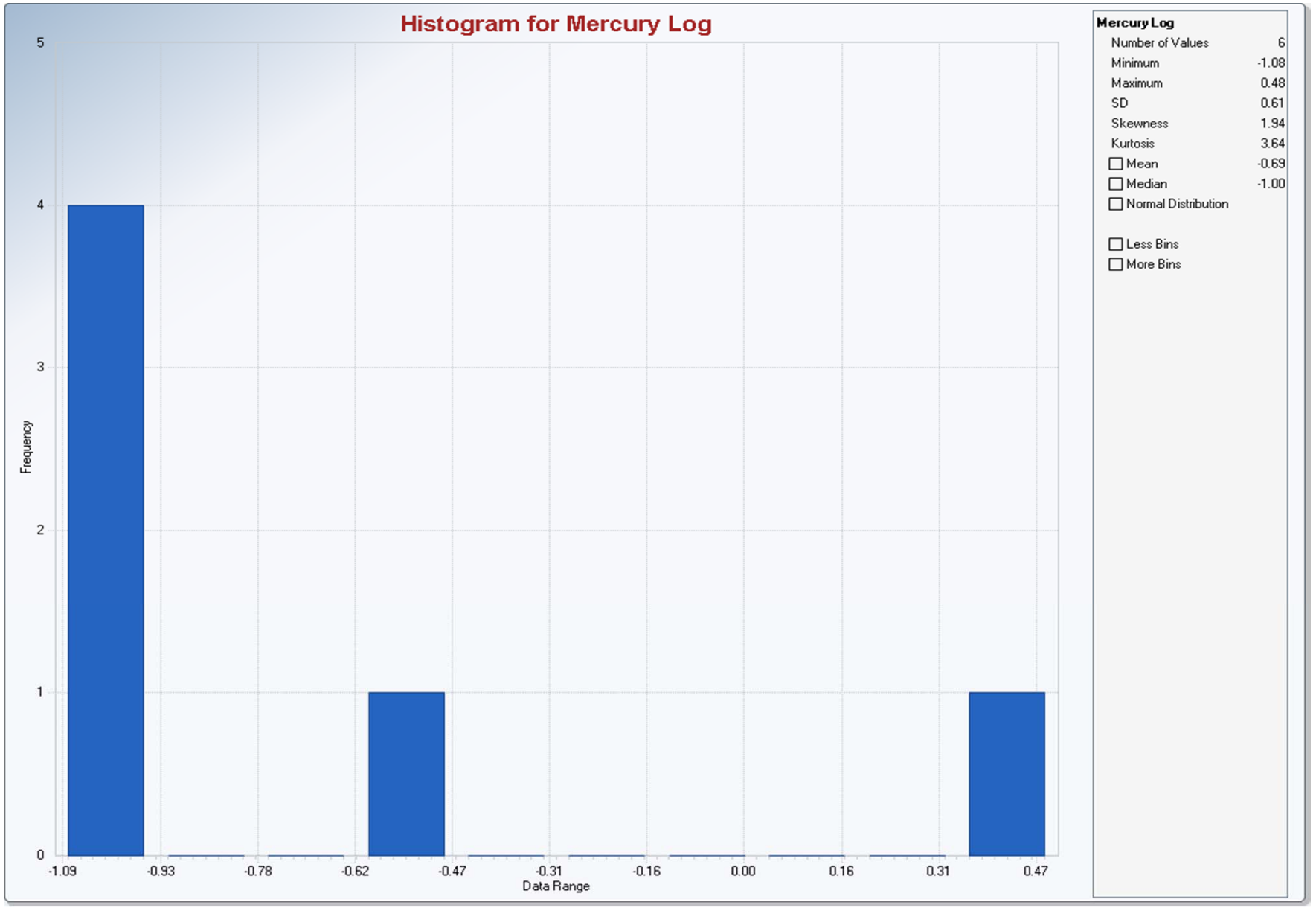

Histogram for Copper
Frequency
440
420
400
380
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
0
294
587
881
1175
1468
1762
2055
2349
2643
2936
Data Range
Copper
Number of Values 441
Minimum 3.72
Maximum 2,940.00
SD 139.26
Skewness 20.95
Kurtosis 439.54
Mean 24.48
Median 17.40
Normal Distribution
Less Bins
More Bins

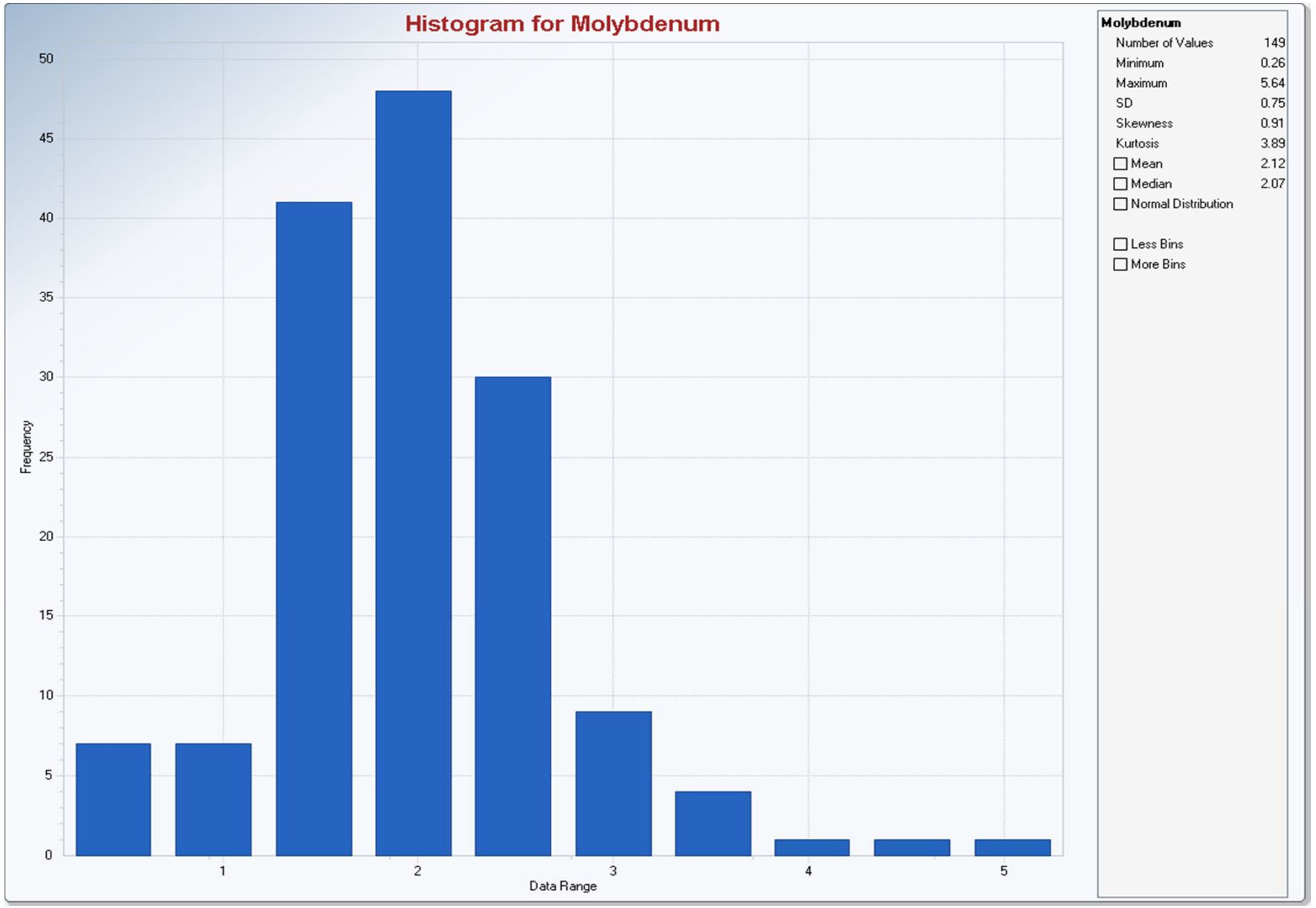

Histogram for Copper Log
Frequency
300
290
280
270
260
250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
0.6
0.9
1.2
1.4
1.7
2.0
2.3
2.6
2.9
3.2
3.5
Data Range
Copper Log
Number of Values 441
Minimum 0.57
Maximum 3.47
SD 0.18
Skewness 3.77
Kurtosis 50.67
Mean 1.23
Median 1.24
Normal Distribution
Less Bins
More Bins

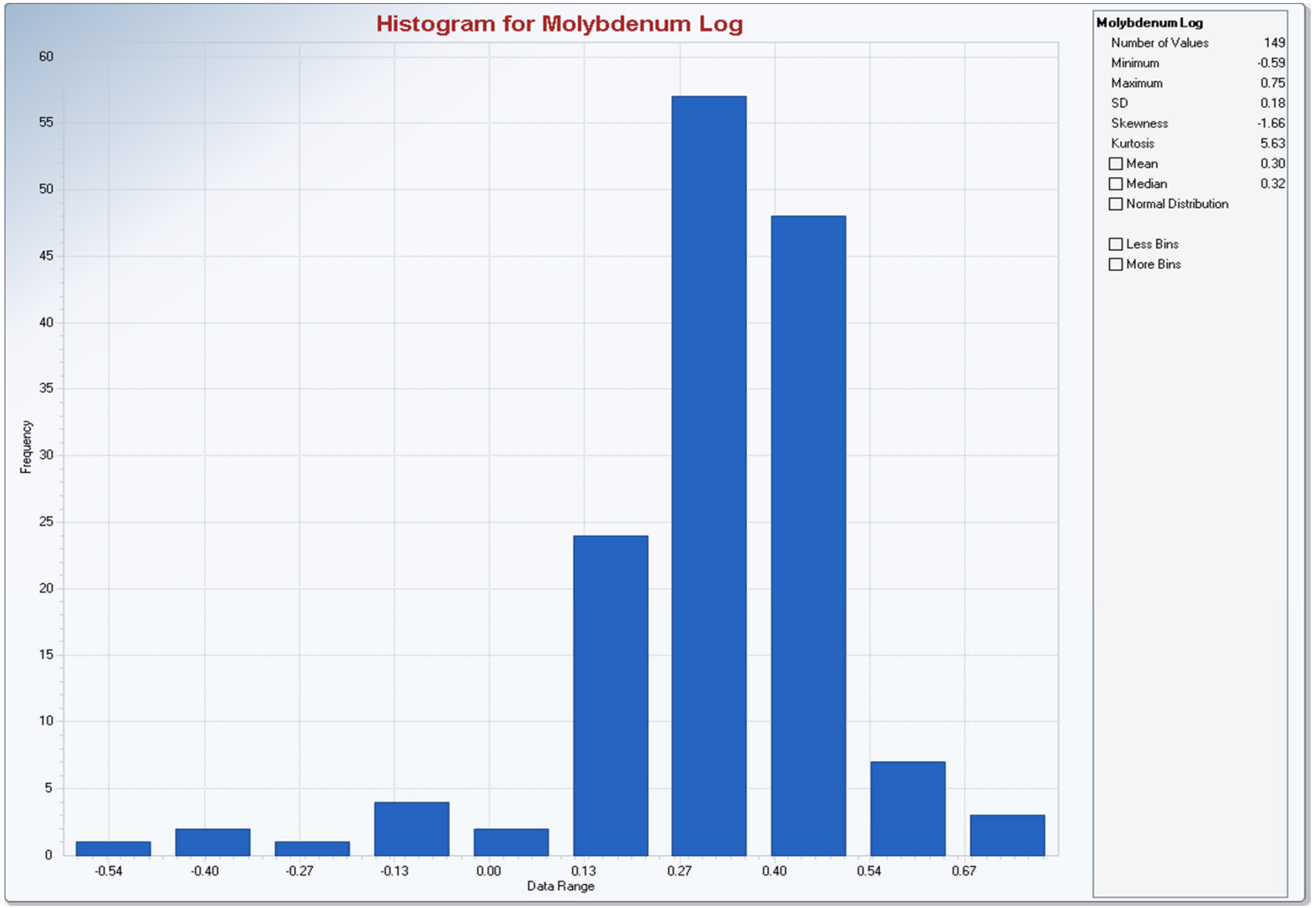

Histogram for Lead
Frequency
Data Range
0
6
12
18
24
30
36
43
49
55
61
Lead
Number of Values 398
Minimum 0.75
Maximum 61.50
SD 4.58
Skewness 7.21
Kurtosis 72.96
Mean 4.83
Median 3.74
Normal Distribution
Less Bins
More Bins

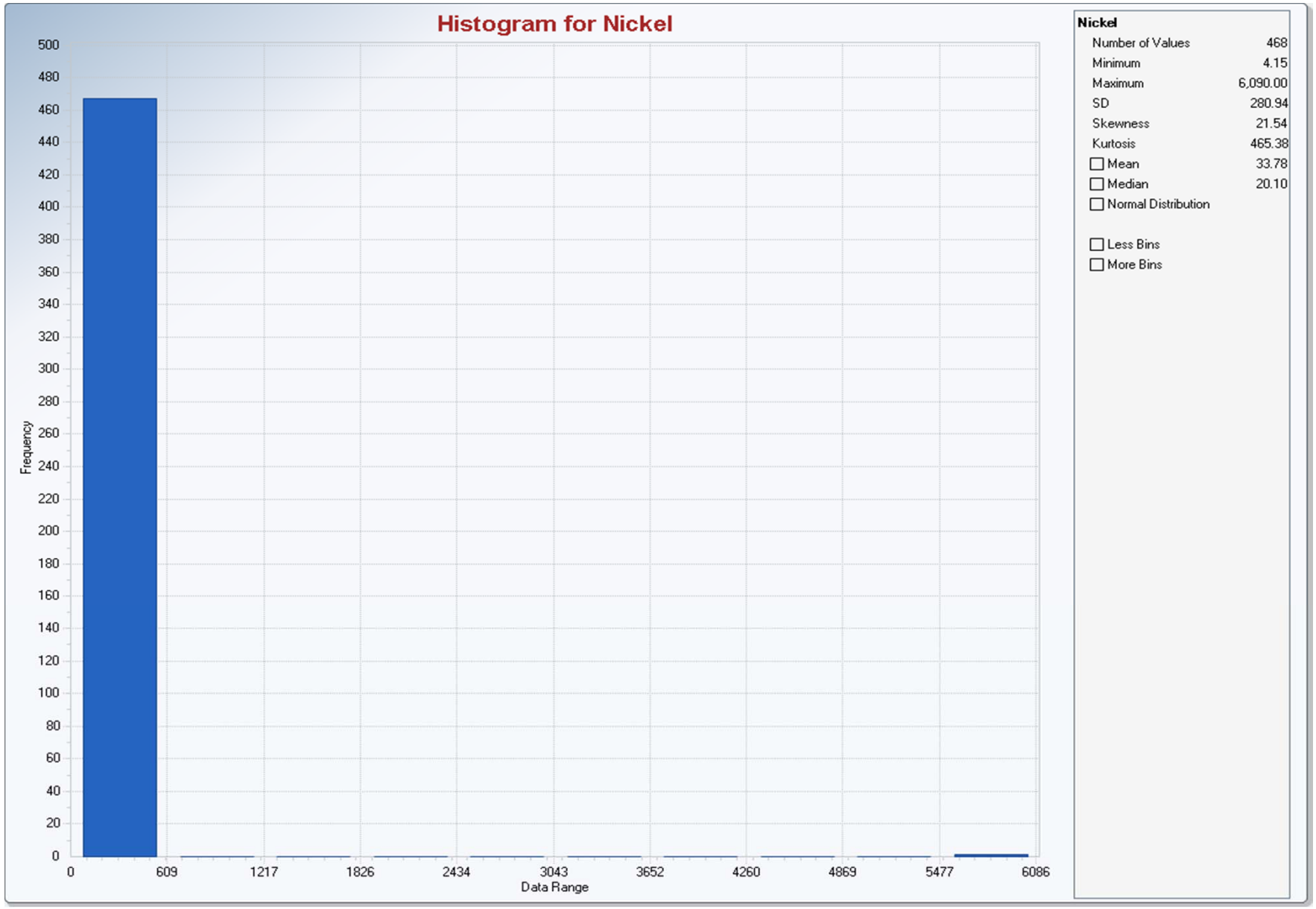

Histogram for Lead Log
Frequency
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
-0.19
0.00
0.19
0.38
0.57
0.77
0.96
1.15
1.34
1.53
1.72
Data Range
Lead Log
Number of Values 398
Minimum -0.12
Maximum 1.79
SD 0.22
Skewness 1.33
Kurtosis 4.50
Mean 0.61
Median 0.57
Normal Distribution
Less Bins
More Bins

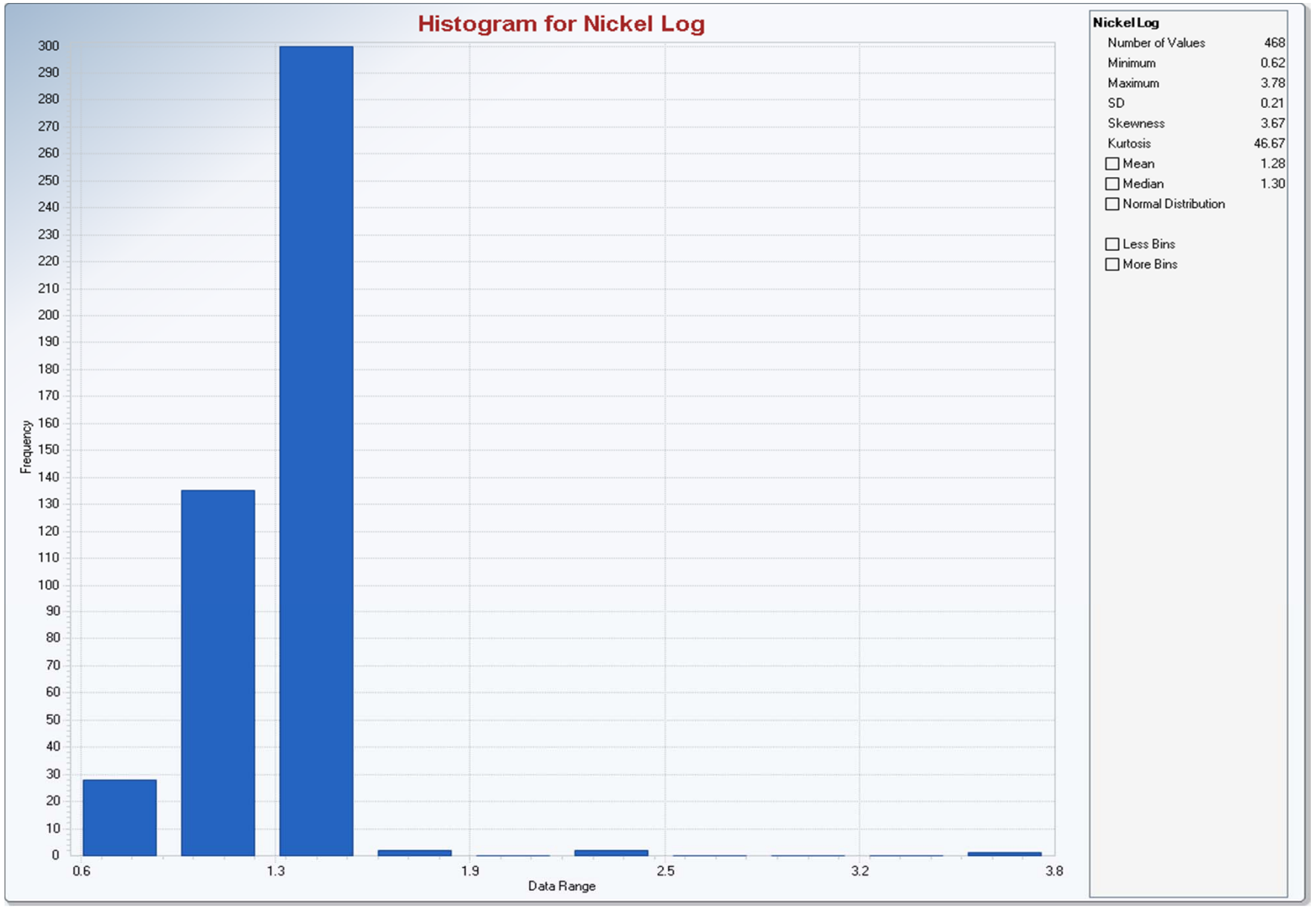

Histogram for Mercury
Frequency
Data Range
0
1
2
3
4
5
6
0.0
0.3
0.6
0.9
1.2
1.5
1.7
2.0
2.3
2.6
2.9
Mercury
Number of Values 6
Minimum 0.08
Maximum 3.00
SD 1.17
Skewness 2.42
Kurtosis 5.89
Mean 0.61
Median 0.10
Normal Distribution
Less Bins
More Bins

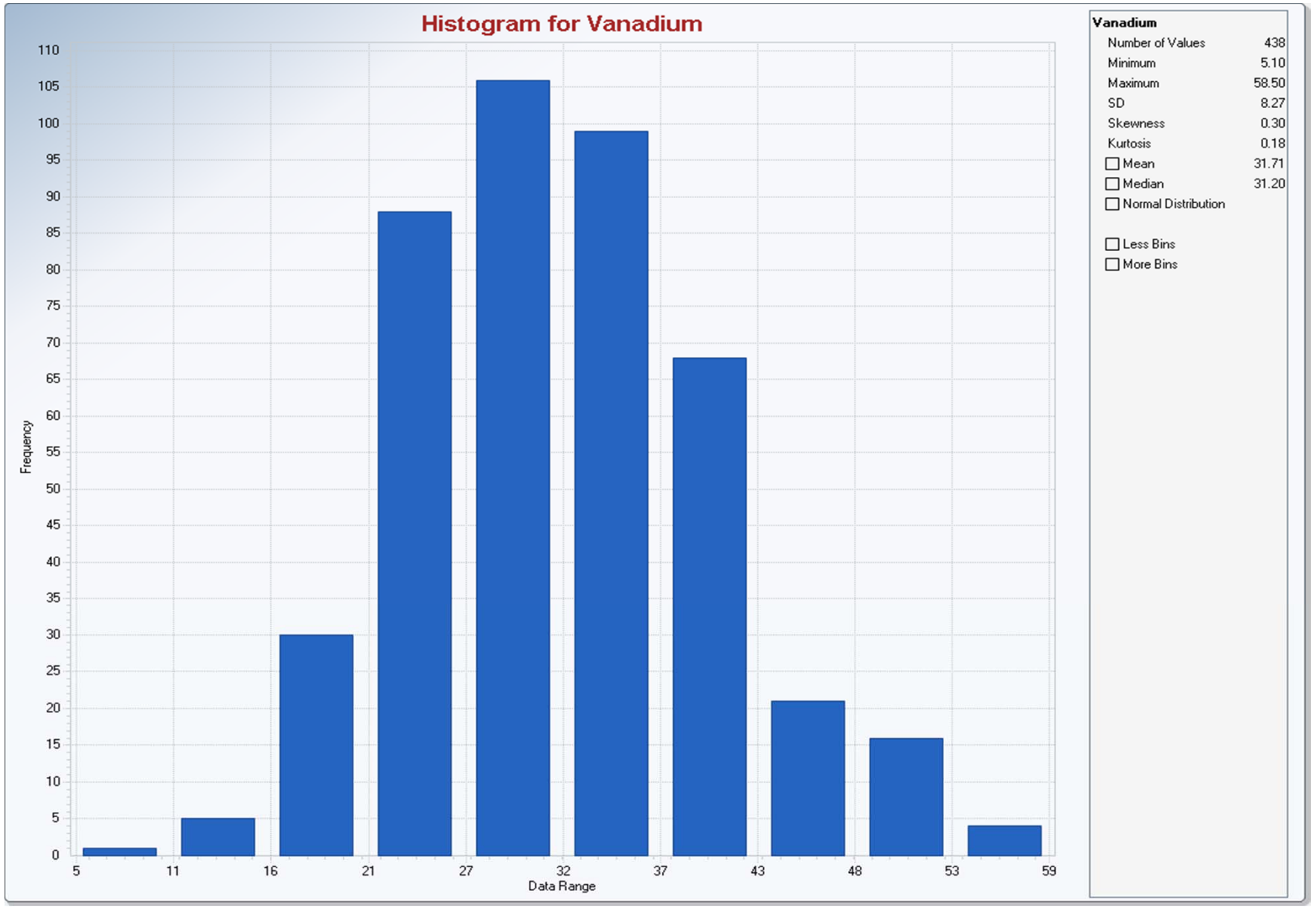

Histogram for Mercury Log
Frequency
Data Range
5
4
3
2
1
0
-1.09
-0.93
-0.78
-0.62
-0.47
-0.31
-0.16
0.00
0.16
0.31
0.47
Mercury Log
Number of Values 6
Minimum -1.08
Maximum 0.48
SD 0.61
Skewness 1.94
Kurtosis 3.64
Mean -0.69
Median -1.00
Normal Distribution
Less Bins
More Bins

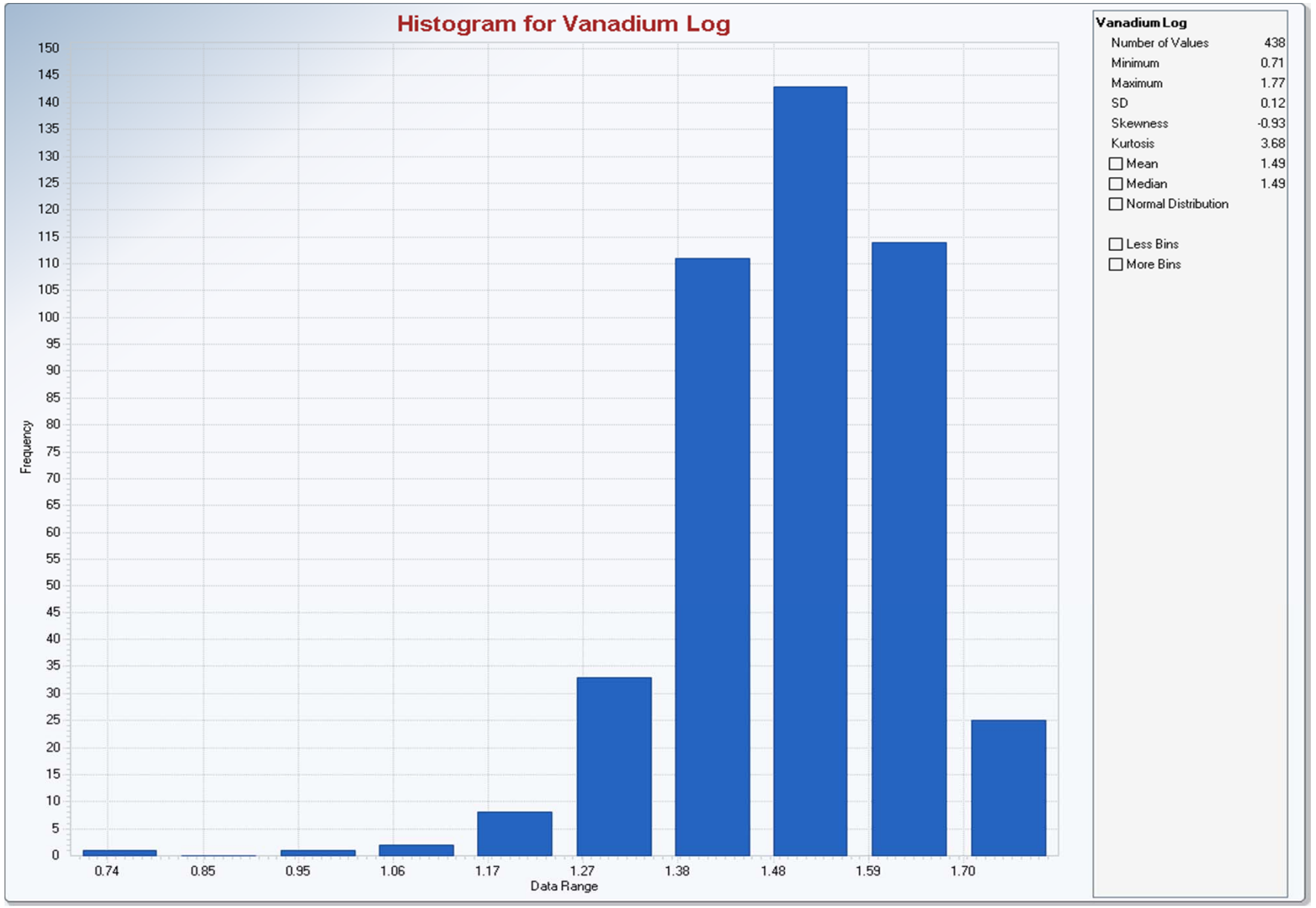

Histogram for Molybdenum
Frequency
Data Range
0
5
10
15
20
25
30
35
40
45
50
1
2
3
4
5
Molybdenum
Number of Values 149
Minimum 0.26
Maximum 5.64
SD 0.75
Skewness 0.91
Kurtosis 3.89
Mean 2.12
Median 2.07
Normal Distribution
Less Bins
More Bins

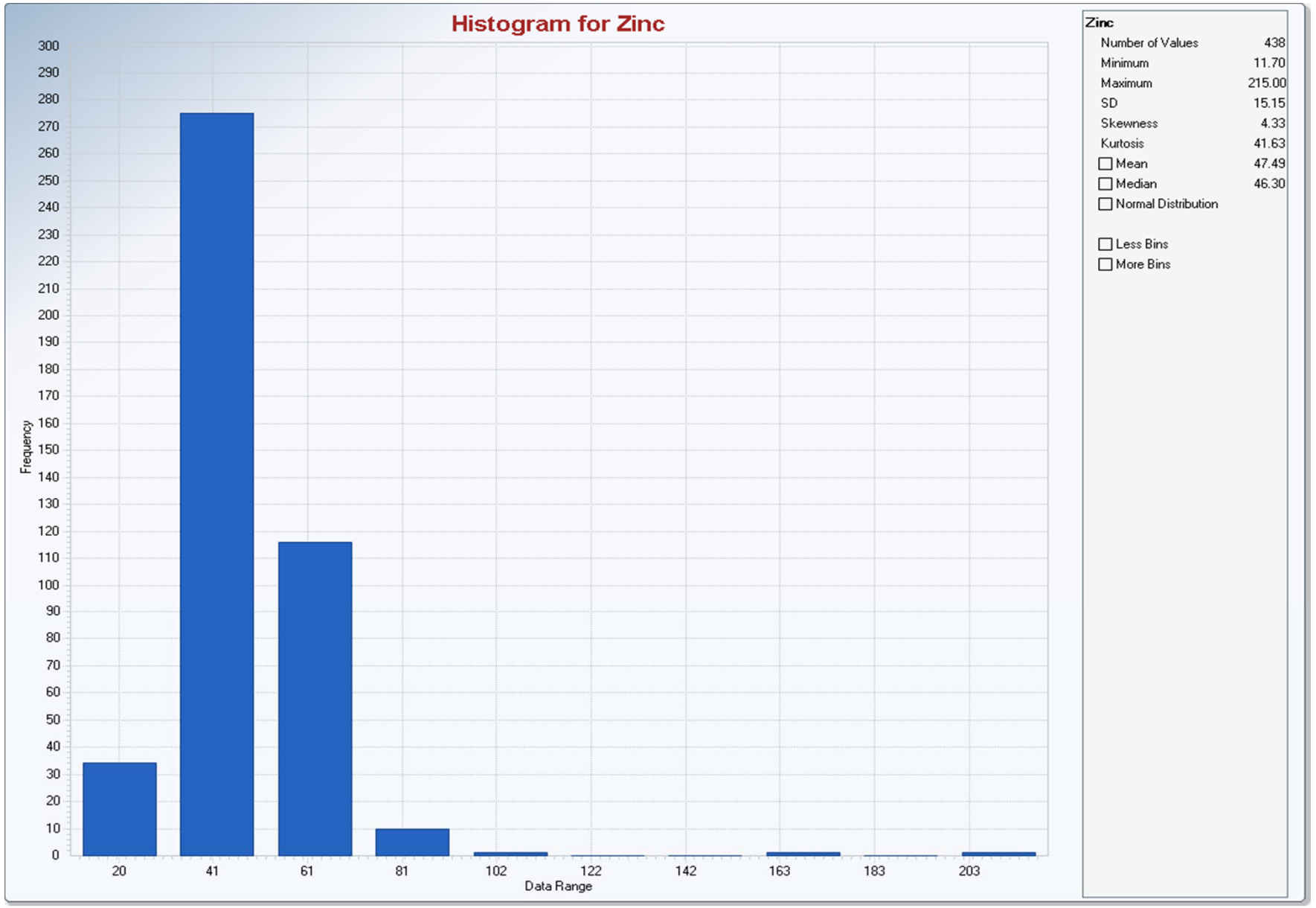

Histogram for Molybdenum Log
Frequency
60
55
50
45
40
35
30
25
20
15
10
5
0
-0.54
-0.40
-0.27
-0.13
0.00
0.13
0.27
0.40
0.54
0.67
Data Range
Molybdenum Log
Number of Values 149
Minimum -0.59
Maximum 0.75
SD 0.18
Skewness -1.66
Kurtosis 5.63
Mean 0.30
Median 0.32
Normal Distribution
Less Bins
More Bins

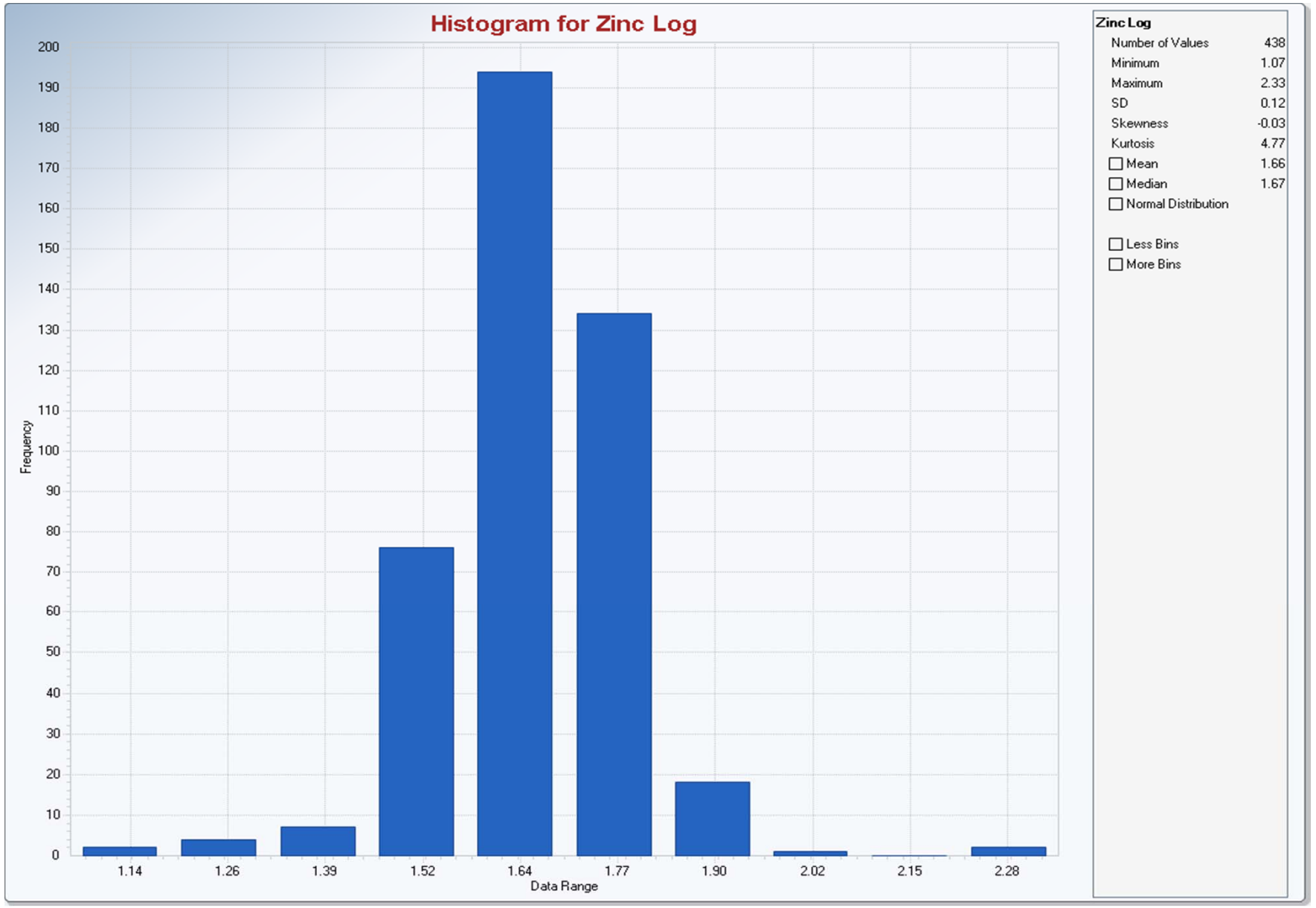

Histogram for Nickel
Frequency
500
480
460
440
420
400
380
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
0
609
1217
1826
2434
3043
3652
4260
4869
5477
6086
Data Range
Nickel
Number of Values 468
Minimum 4.15
Maximum 6,090.00
SD 280.94
Skewness 21.54
Kurtosis 465.38
Mean 33.78
Median 20.10
Normal Distribution
Less Bins
More Bins

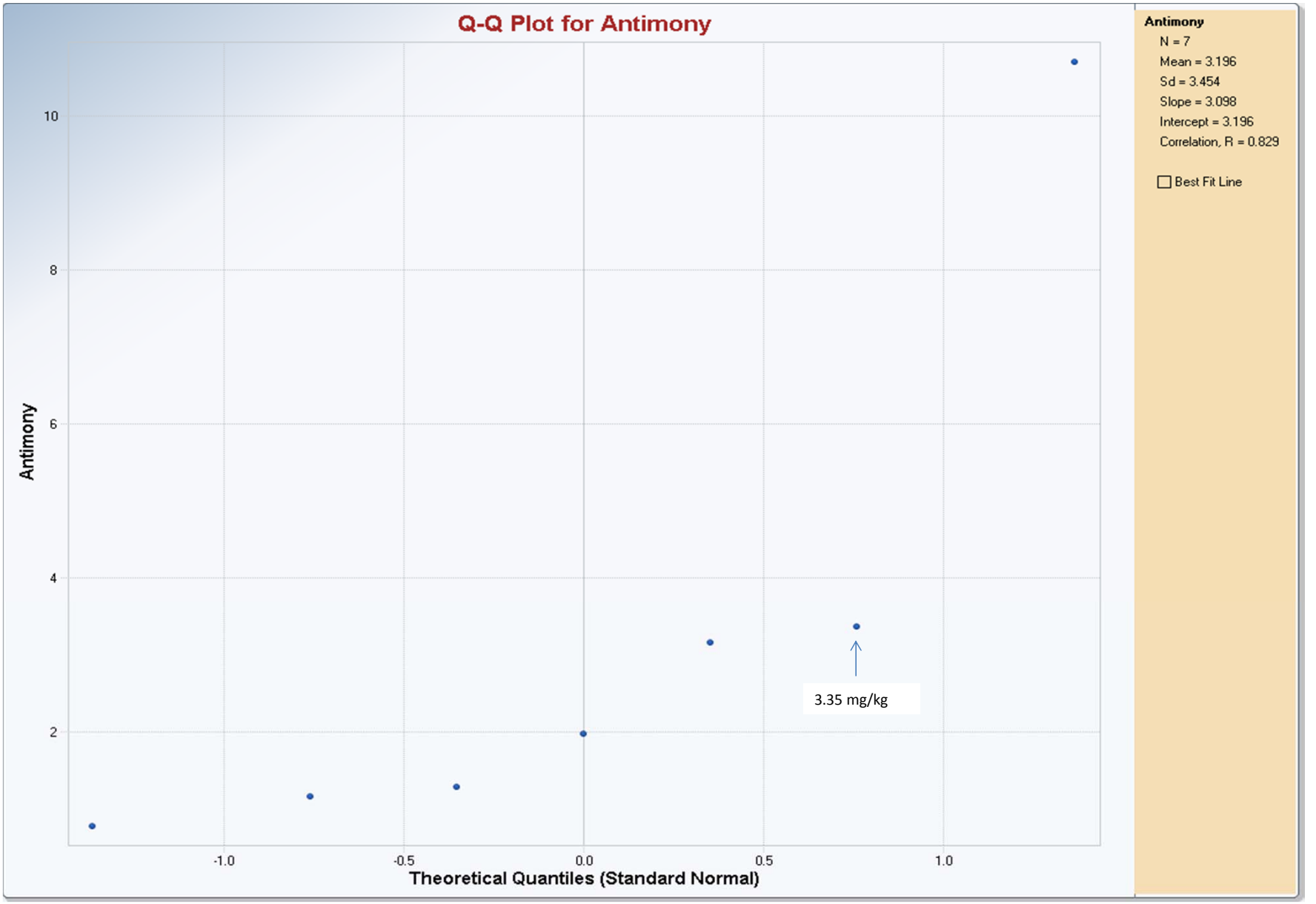

Histogram for Nickel Log
Frequency
300
290
280
270
260
250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
0.6
1.3
1.9
2.5
3.2
3.8
Data Range
Nickel Log
Number of Values 468
Minimum 0.62
Maximum 3.78
SD 0.21
Skewness 3.67
Kurtosis 46.67
Mean 1.28
Median 1.30
Normal Distribution
Less Bins
More Bins

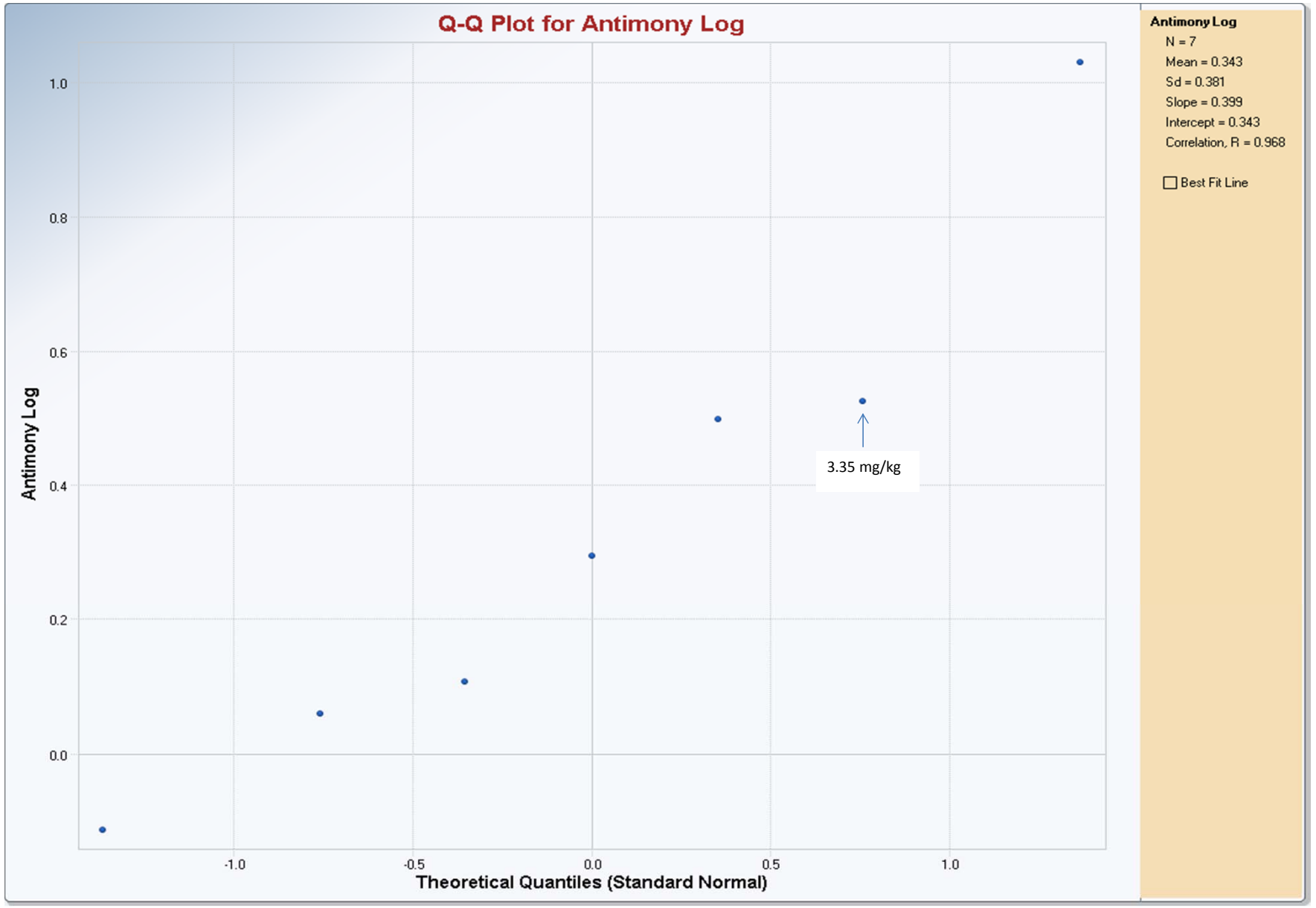

Histogram for Vanadium
Frequency
Data Range
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
5
11
16
21
27
32
37
43
48
53
59
Vanadium
Number of Values 438
Minimum 5.10
Maximum 58.50
SD 8.27
Skewness 0.30
Kurtosis 0.18
Mean 31.71
Median 31.20
Normal Distribution
Less Bins
More Bins

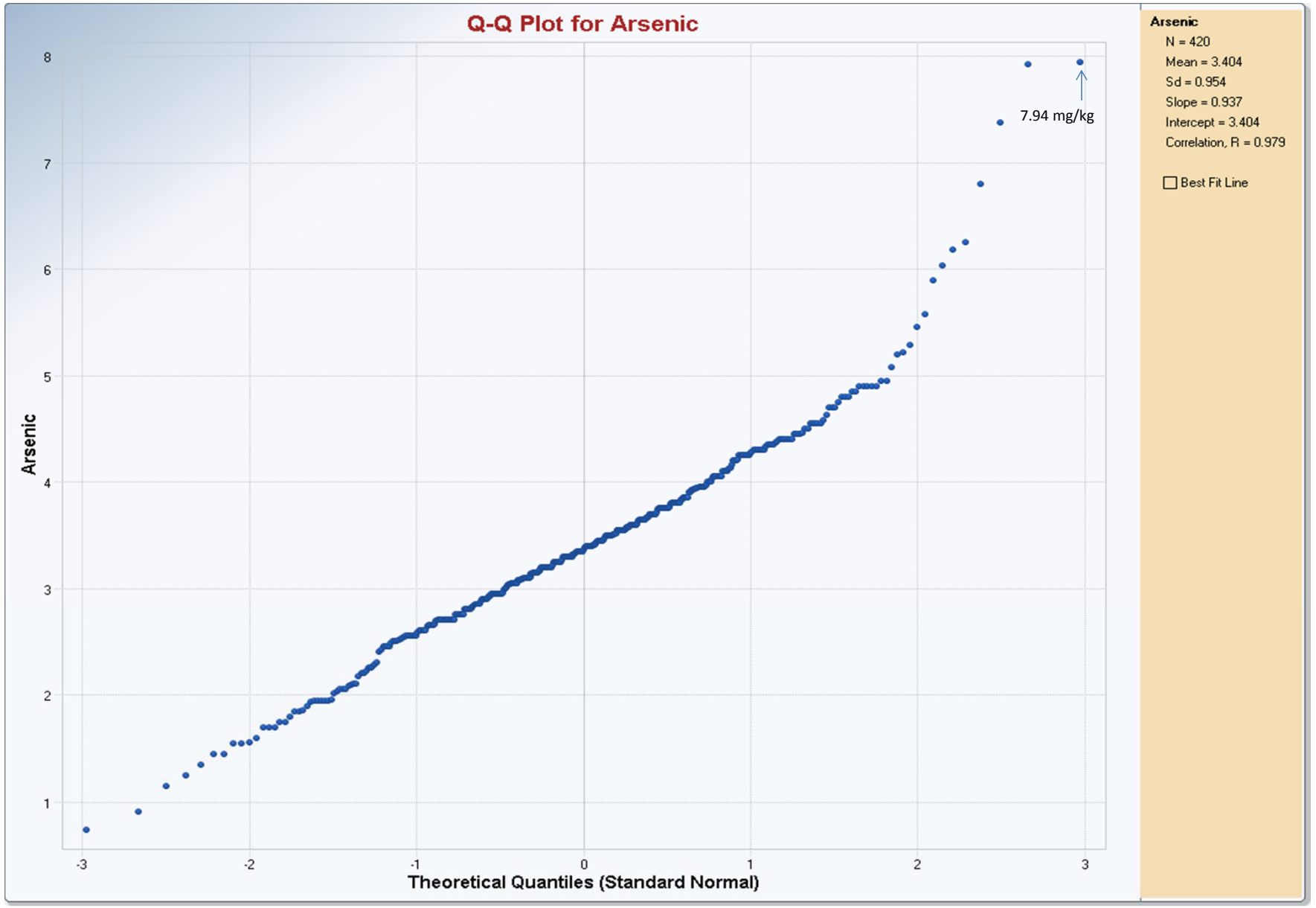

Histogram for Vanadium Log
Frequency
150
145
140
135
130
125
120
115
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
0.74
0.85
0.95
1.06
1.17
1.27
1.38
1.48
1.59
1.70
Data Range
Vanadium Log
Number of Values 438
Minimum 0.71
Maximum 1.77
SD 0.12
Skewness -0.93
Kurtosis 3.68
Mean 1.49
Median 1.49
Normal Distribution
Less Bins
More Bins

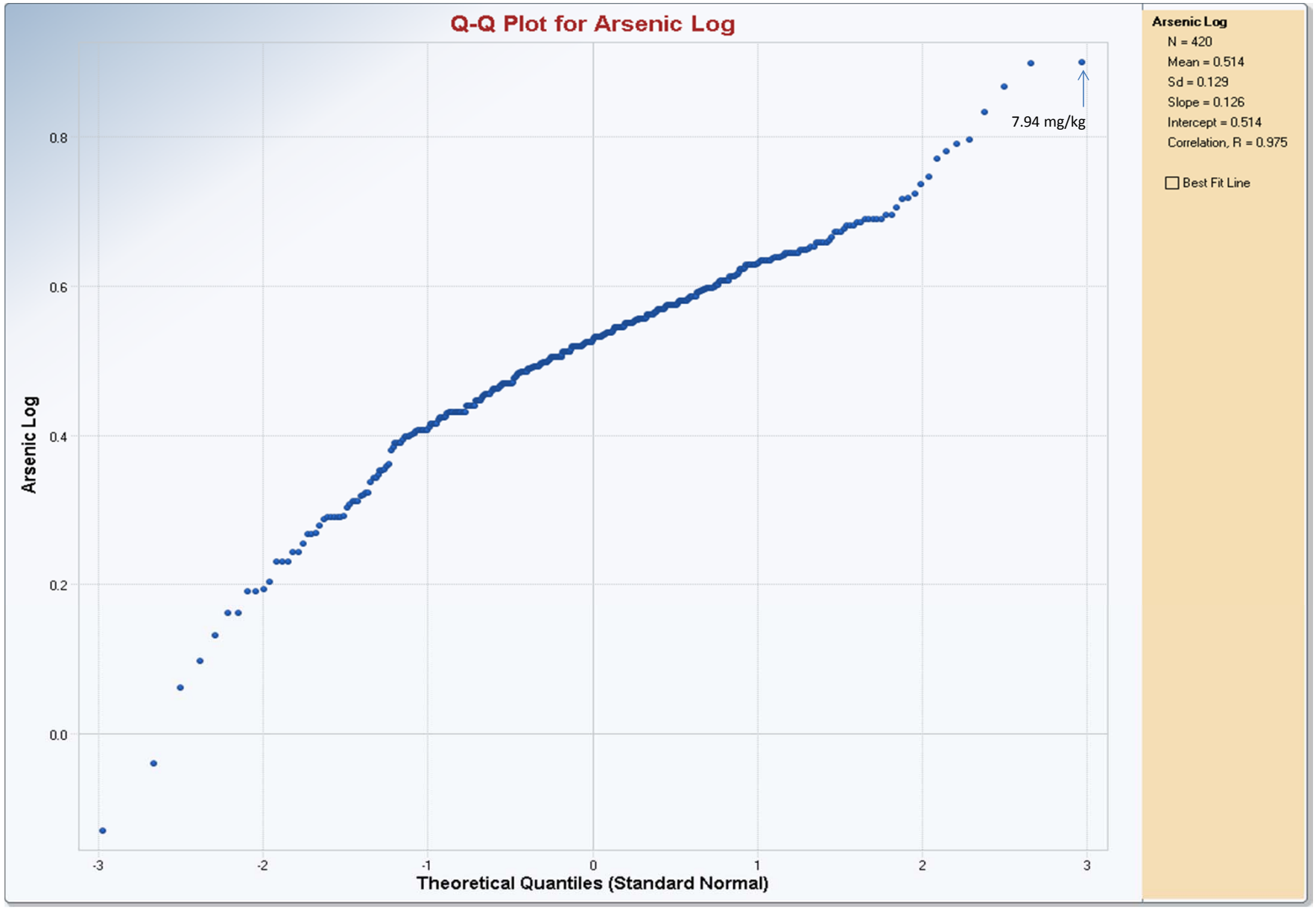

Histogram for Zinc
Frequency
300
290
280
270
260
250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
20
41
61
81
102
122
142
163
183
203
Data Range
Zinc
Number of Values 438
Minimum 11.70
Maximum 215.00
SD 15.15
Skewness 4.33
Kurtosis 41.63
Mean 47.49
Median 46.30
Normal Distribution
Less Bins
More Bins

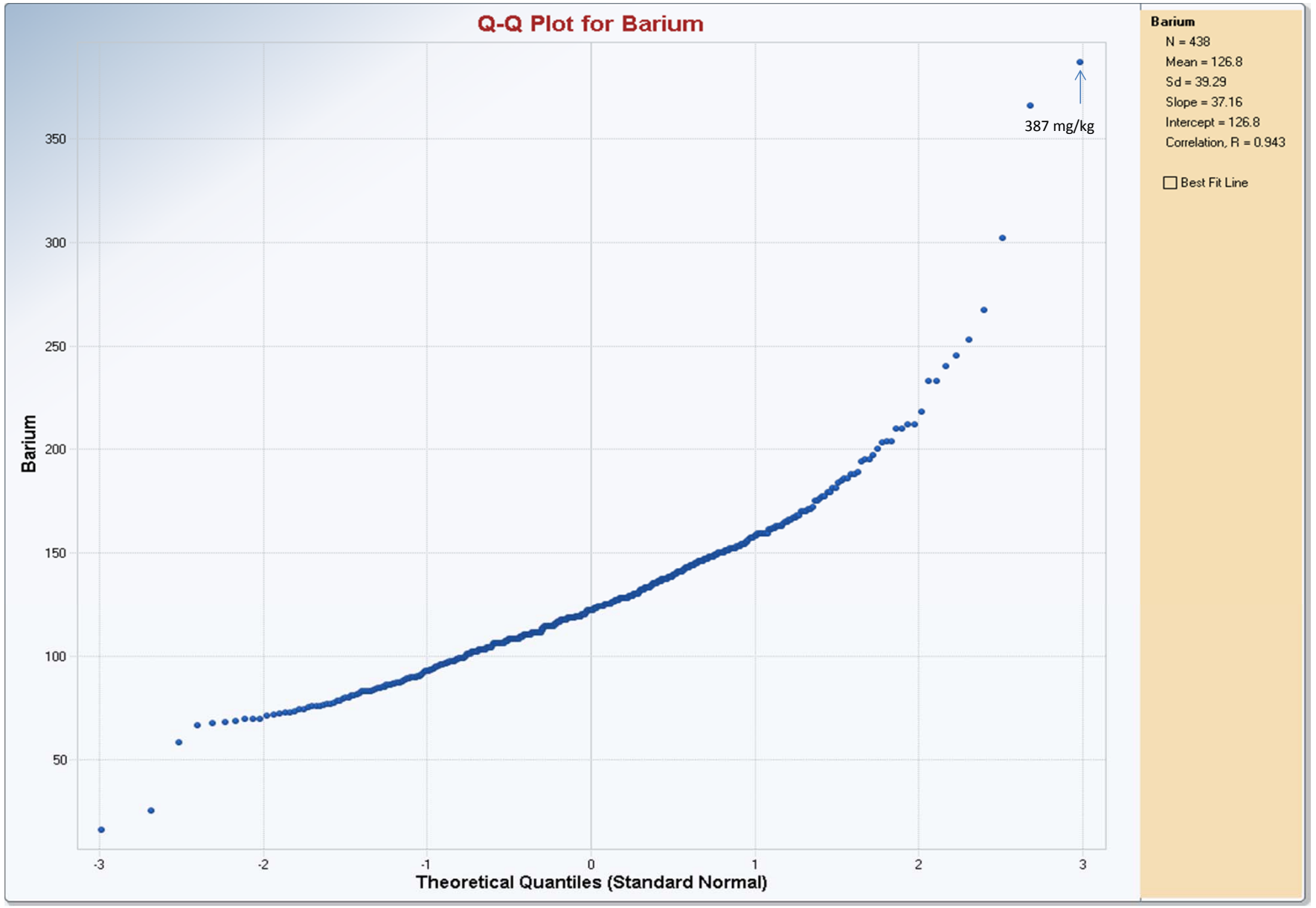

Histogram for Zinc Log
Frequency
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
1.14
1.26
1.39
1.52
1.64
1.77
1.90
2.02
2.15
2.28
Data Range
Zinc Log
Number of Values 438
Minimum 1.07
Maximum 2.33
SD 0.12
Skewness -0.03
Kurtosis 4.77
Mean 1.66
Median 1.67
Normal Distribution
Less Bins
More Bins

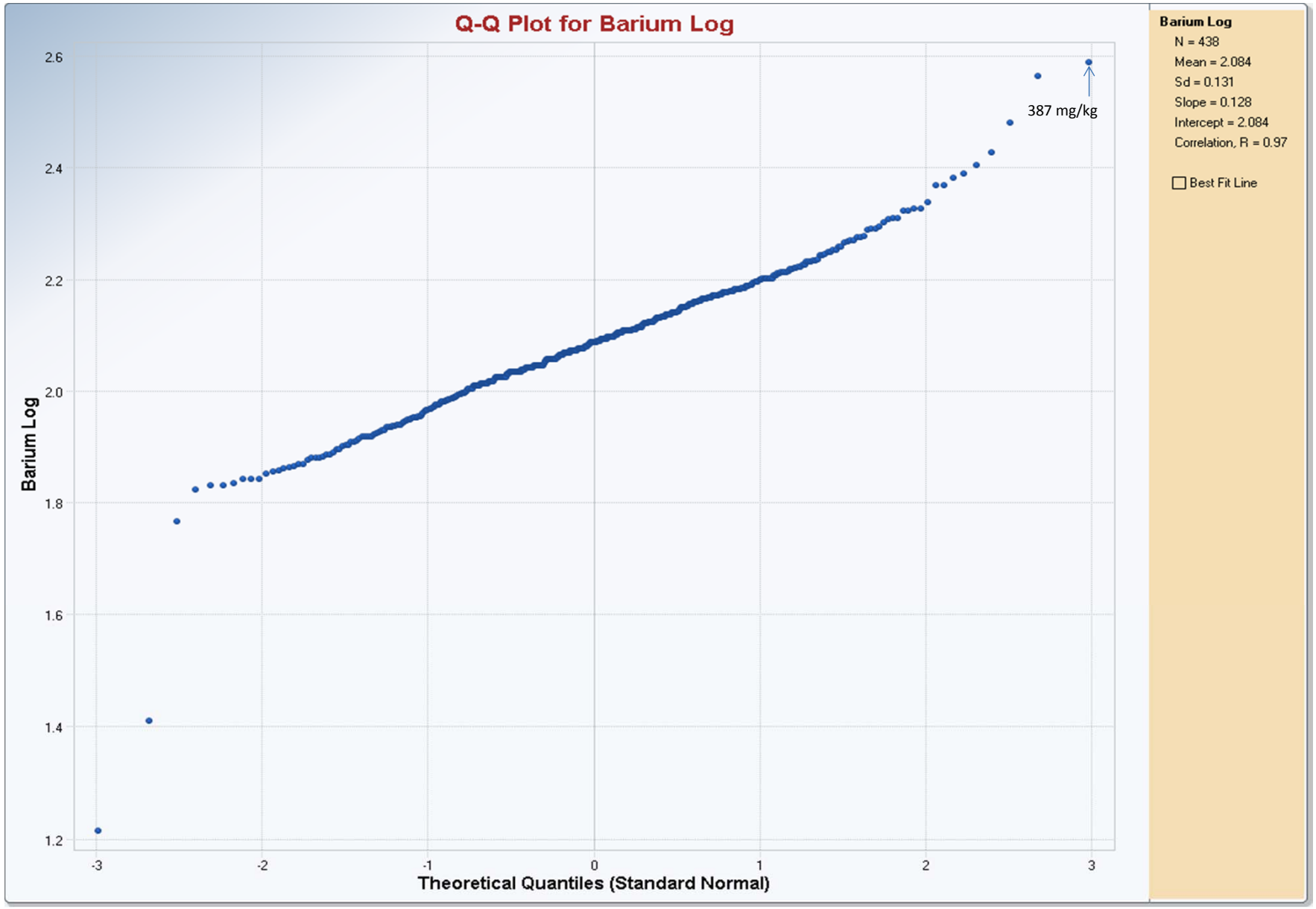

Q-Q Plot for Antimony
Antimony
N = 7
Mean = 3.196
Sd = 3.454
Slope = 3.098
Intercept = 3.196
Correlation, R = 0.829
Best Fit Line
10
8
6
4
2
Antimony
-1.0
-0.5
0.0
0.5
1.0
Theoretical Quantiles (Standard Normal)
3.35 mg/kg

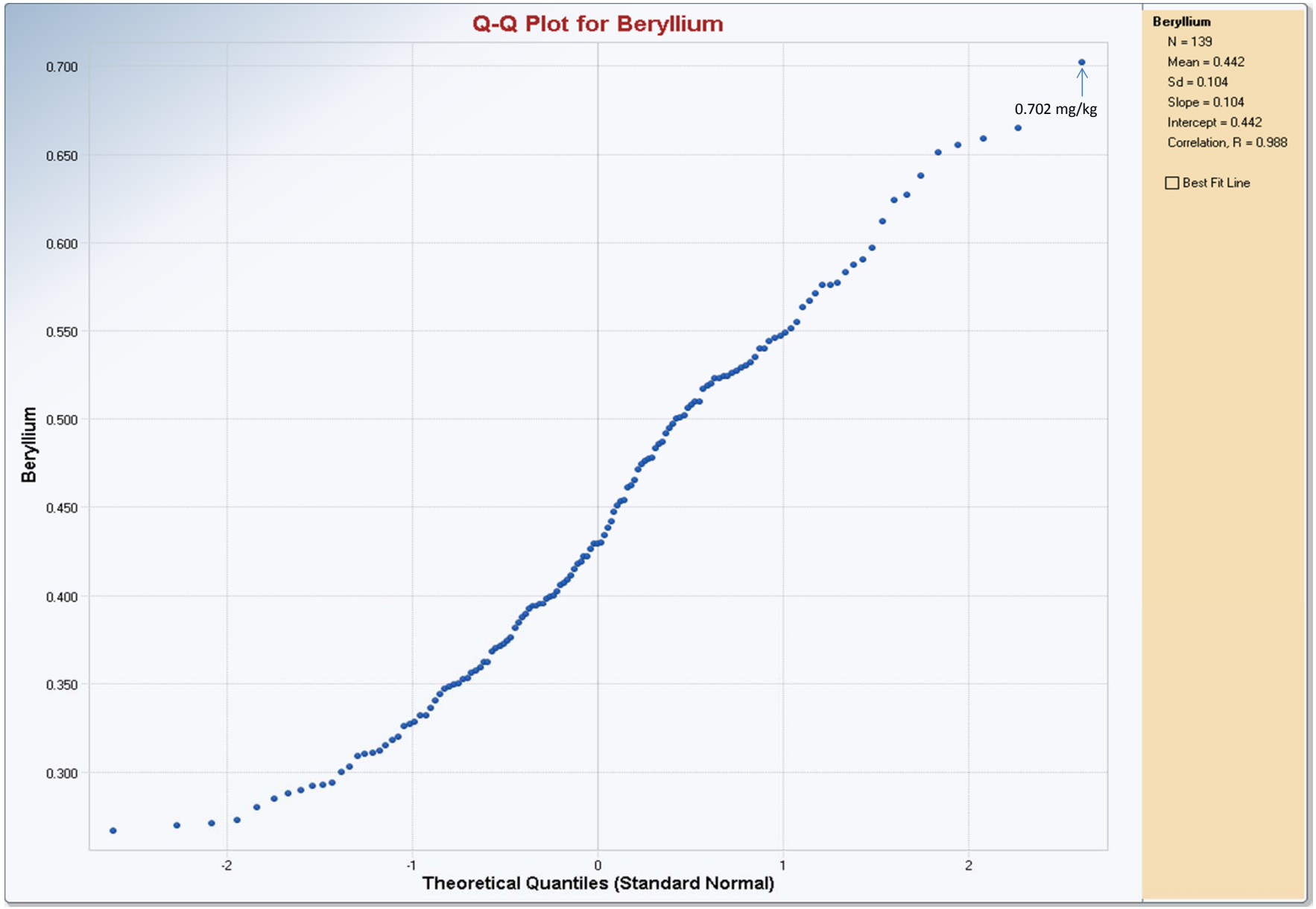

Q-Q Plot for Antimony Log
Antimony Log
N = 7
Mean = 0.343
Sd = 0.381
Slope = 0.399
Intercept = 0.343
Correlation, R = 0.968
Best Fit Line
3.35 mg/kg
Antimony Log
1.0
0.8
0.6
0.4
0.2
0.0
-1.0
-0.5
0.0
0.5
1.0
Theoretical Quantiles (Standard Normal)

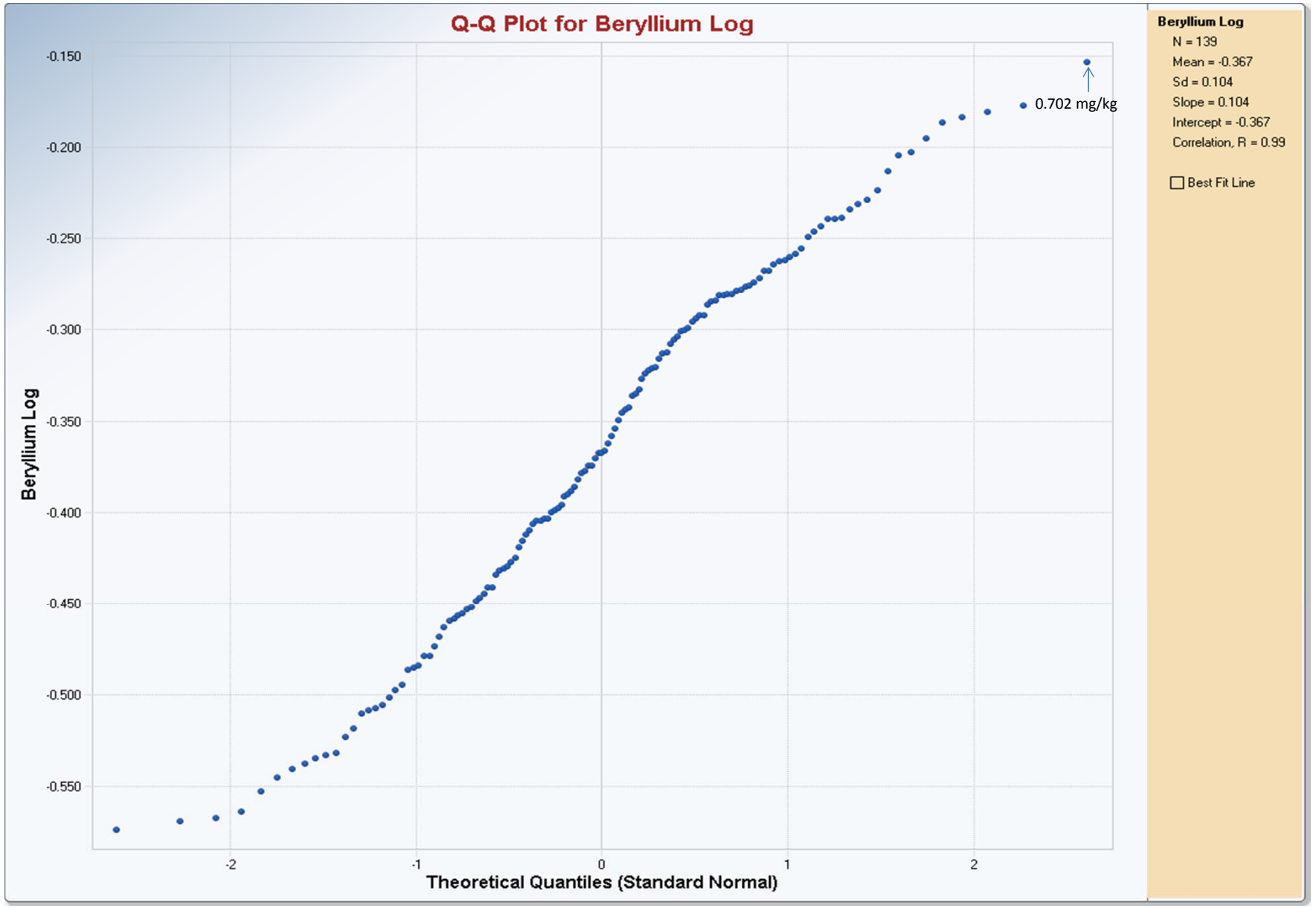

Q-Q Plot for Arsenic
Arsenic
N = 420
Mean = 3.404
Sd = 0.954
Slope = 0.937
Intercept = 3.404
Correlation, R = 0.979
Best Fit Line
7.94 mg/kg
Arsenic
Theoretical Quantiles (Standard Normal)
8
7
6
5
4
3
2
1
-3
-2
-1
0
1
2
3

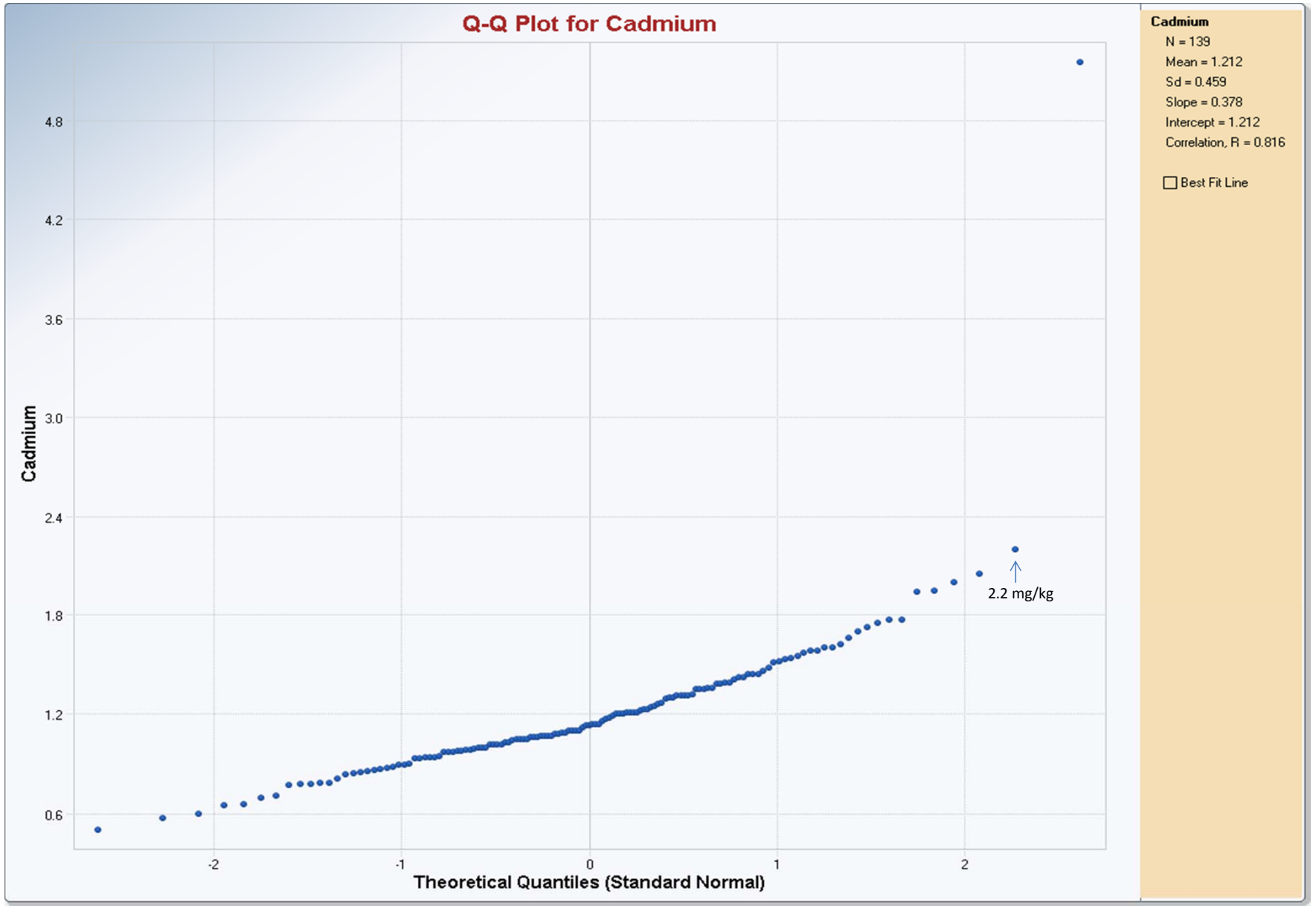

Q-Q Plot for Arsenic Log
Arsenic Log
N = 420
Mean = 0.514
Sd = 0.129
Slope = 0.126
Intercept = 0.514
Correlation, R = 0.975
Best Fit Line
7.94 mg/kg
Arsenic Log
0.8
0.6
0.4
0.2
0.0
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)

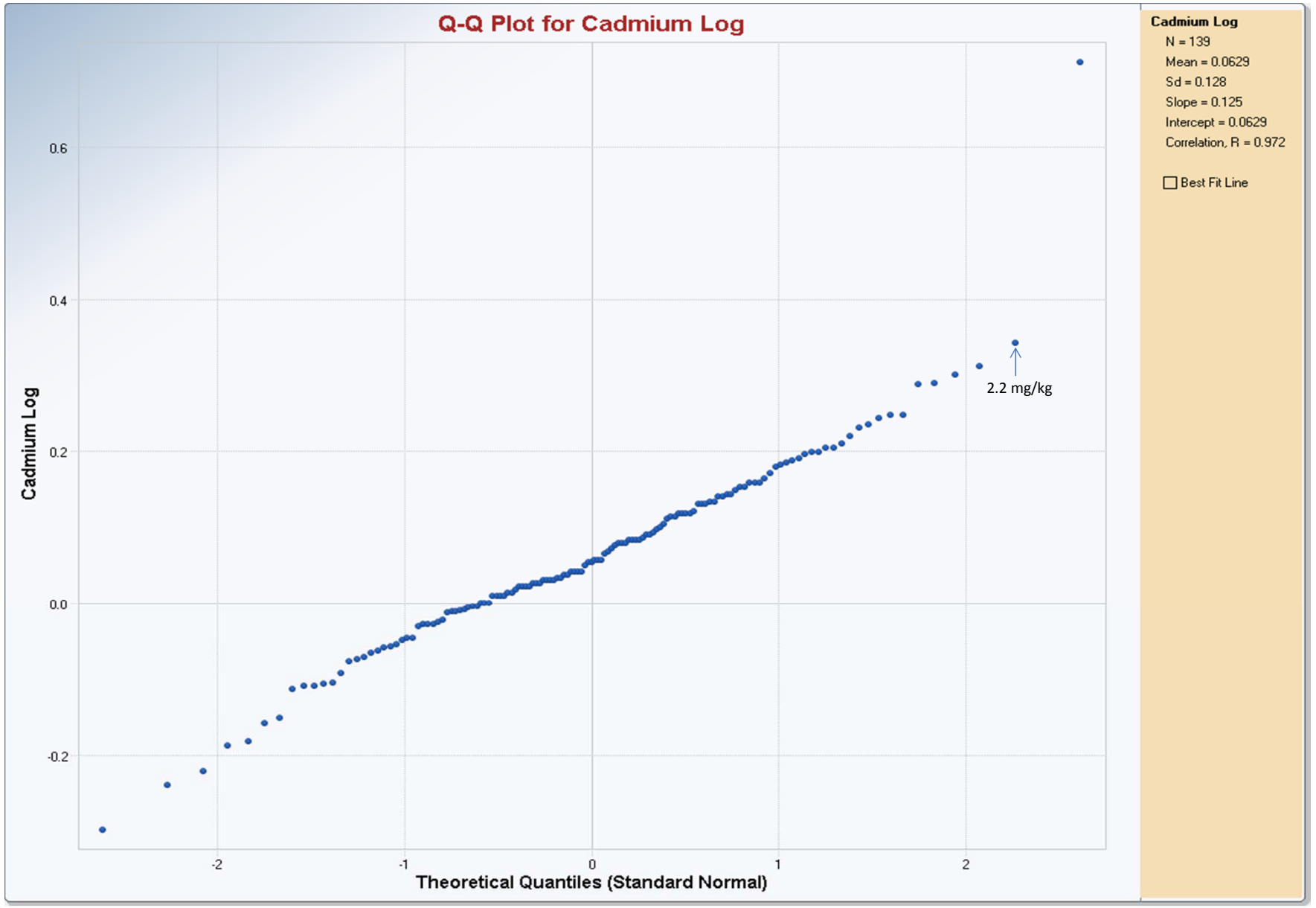

Q-Q Plot for Barium
Barium
N = 438
Mean = 126.8
Sd = 39.29
Slope = 37.16
Intercept = 126.8
Correlation, R = 0.943
Best Fit Line
387 mg/kg
Barium
350
300
250
200
150
100
50
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)

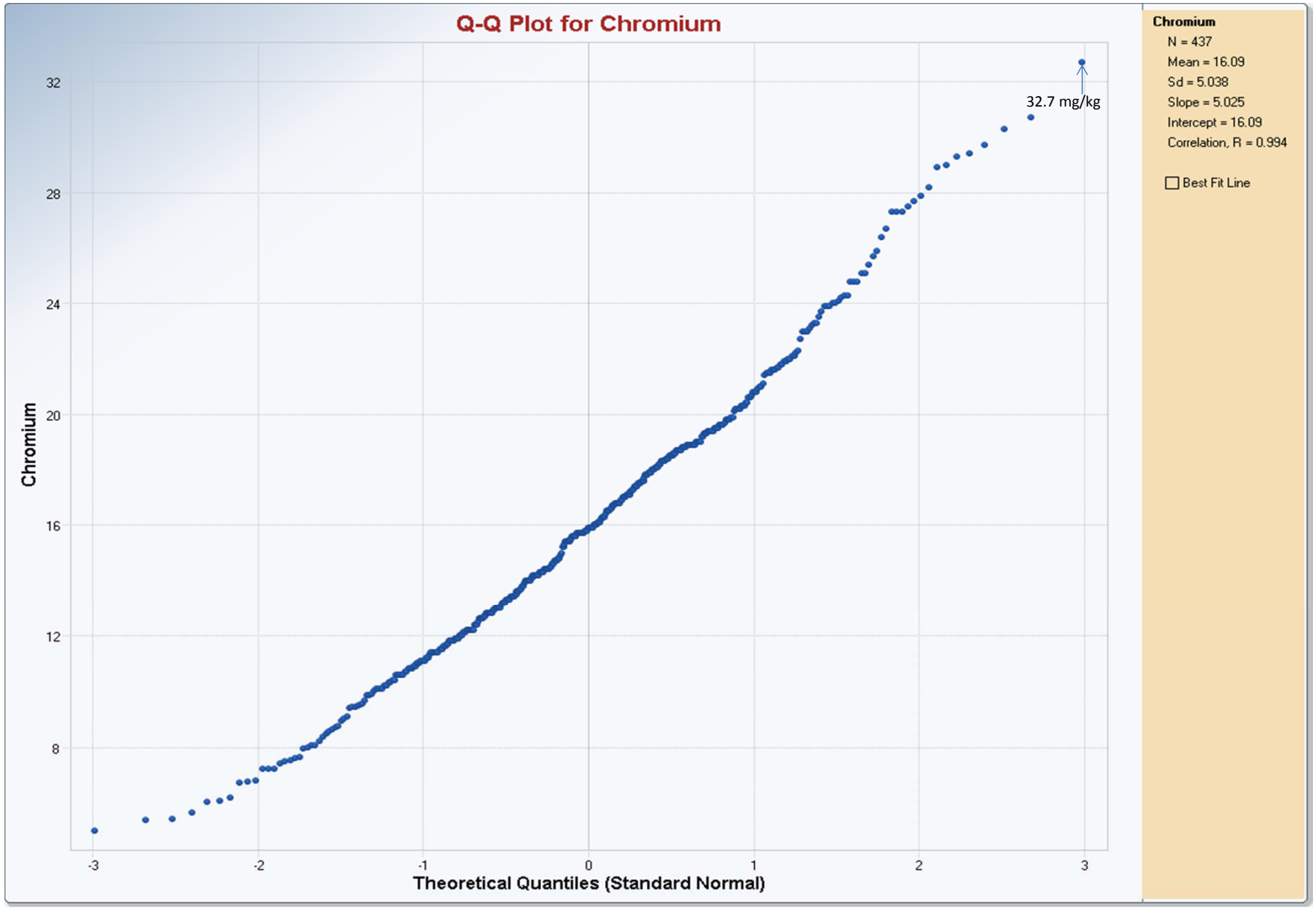

Q-Q Plot for Barium Log
Barium Log
N = 438
Mean = 2.084
Sd = 0.131
Slope = 0.128
Intercept = 2.084
Correlation, R = 0.97
Best Fit Line
387 mg/kg
Barium Log
Theoretical Quantiles (Standard Normal)
2.6
2.4
2.2
2.0
1.8
1.6
1.4
1.2
-3
-2
-1
0
1
2
3

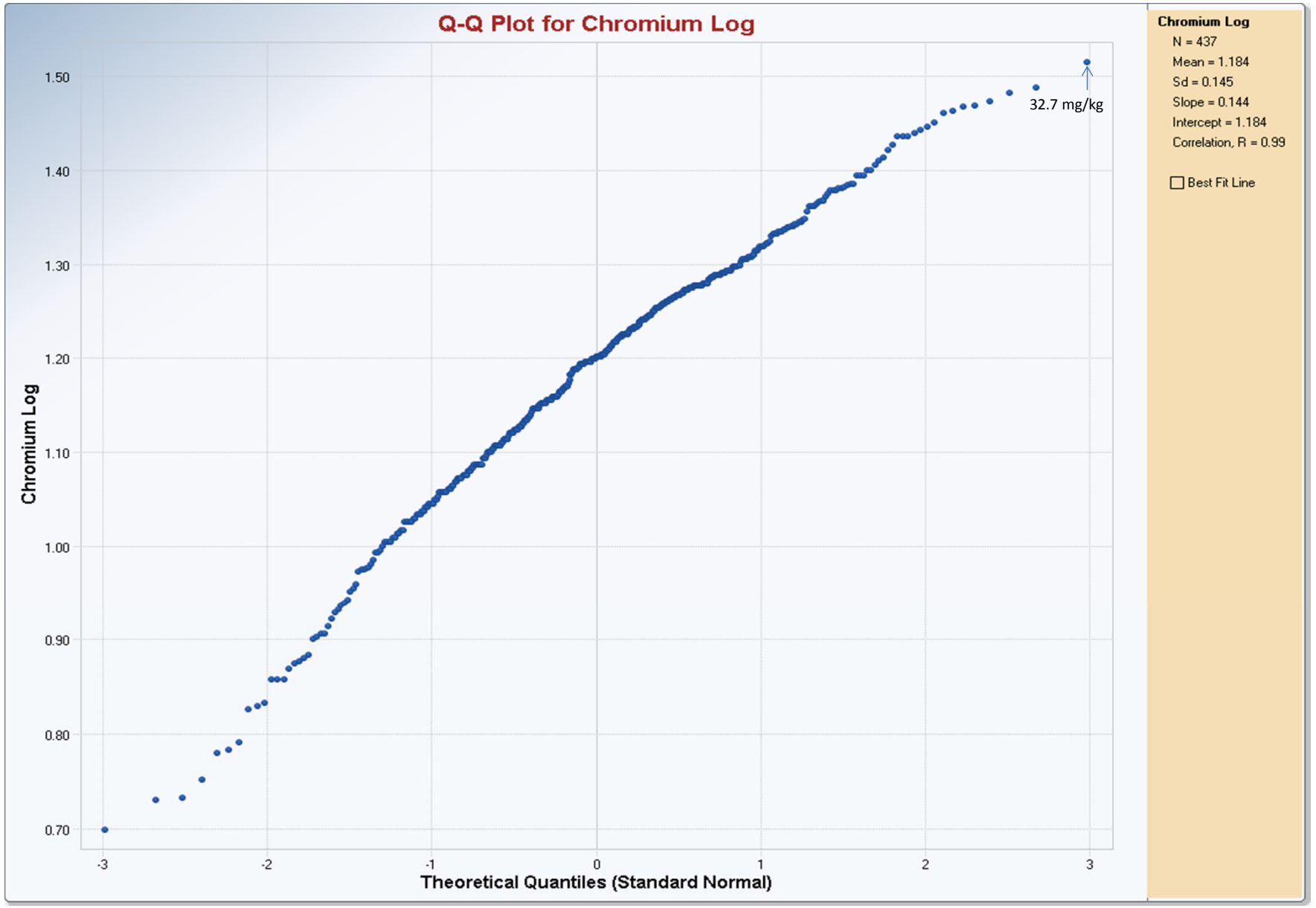

Q-Q Plot for Beryllium
Beryllium
0.700
0.650
0.600
0.550
0.500
0.450
0.400
0.350
0.300
0.702 mg/kg
-2
-1
0
1
2
Theoretical Quantiles (Standard Normal)
Beryllium
N = 139
Mean = 0.442
Sd = 0.104
Slope = 0.104
Intercept = 0.442
Correlation, R = 0.988
Best Fit Line

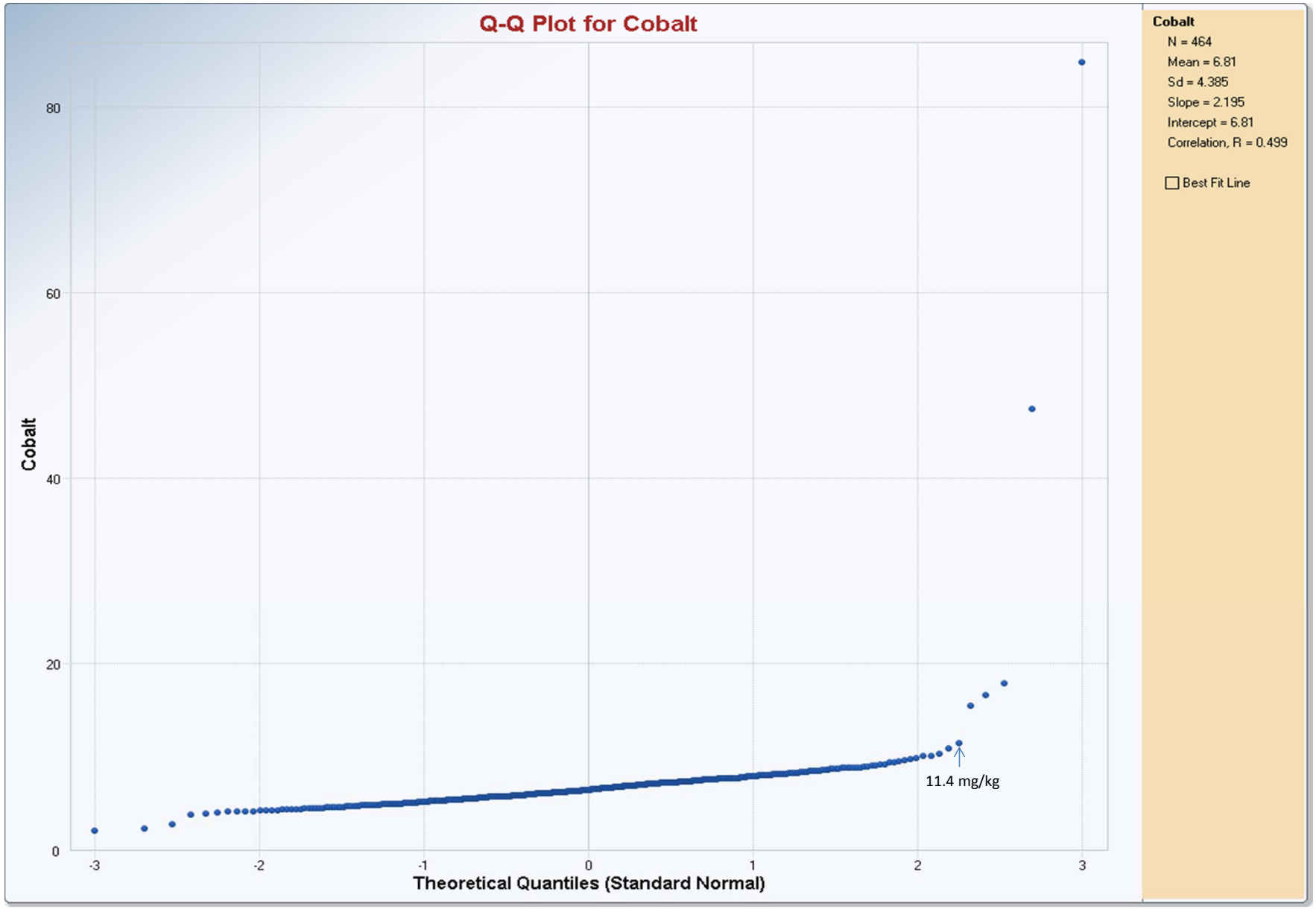

Q-Q Plot for Beryllium Log
Beryllium Log
N = 139
Mean = -0.367
Sd = 0.104
Slope = 0.104
Intercept = -0.367
Correlation, R = 0.99
Best Fit Line
0.702 mg/kg
-0.150
-0.200
-0.250
-0.300
-0.350
-0.400
-0.450
-0.500
-0.550
Beryllium Log
-2
-1
0
1
2
Theoretical Quantiles (Standard Normal)


Q-Q Plot for Cadmium
Cadmium
N = 139
Mean = 1.212
Sd = 0.459
Slope = 0.378
Intercept = 1.212
Correlation, R = 0.816
Best Fit Line
Cadmium
4.8
4.2
3.6
3.0
2.4
1.8
1.2
0.6
-2
-1
0
1
2
Theoretical Quantiles (Standard Normal)
2.2 mg/kg

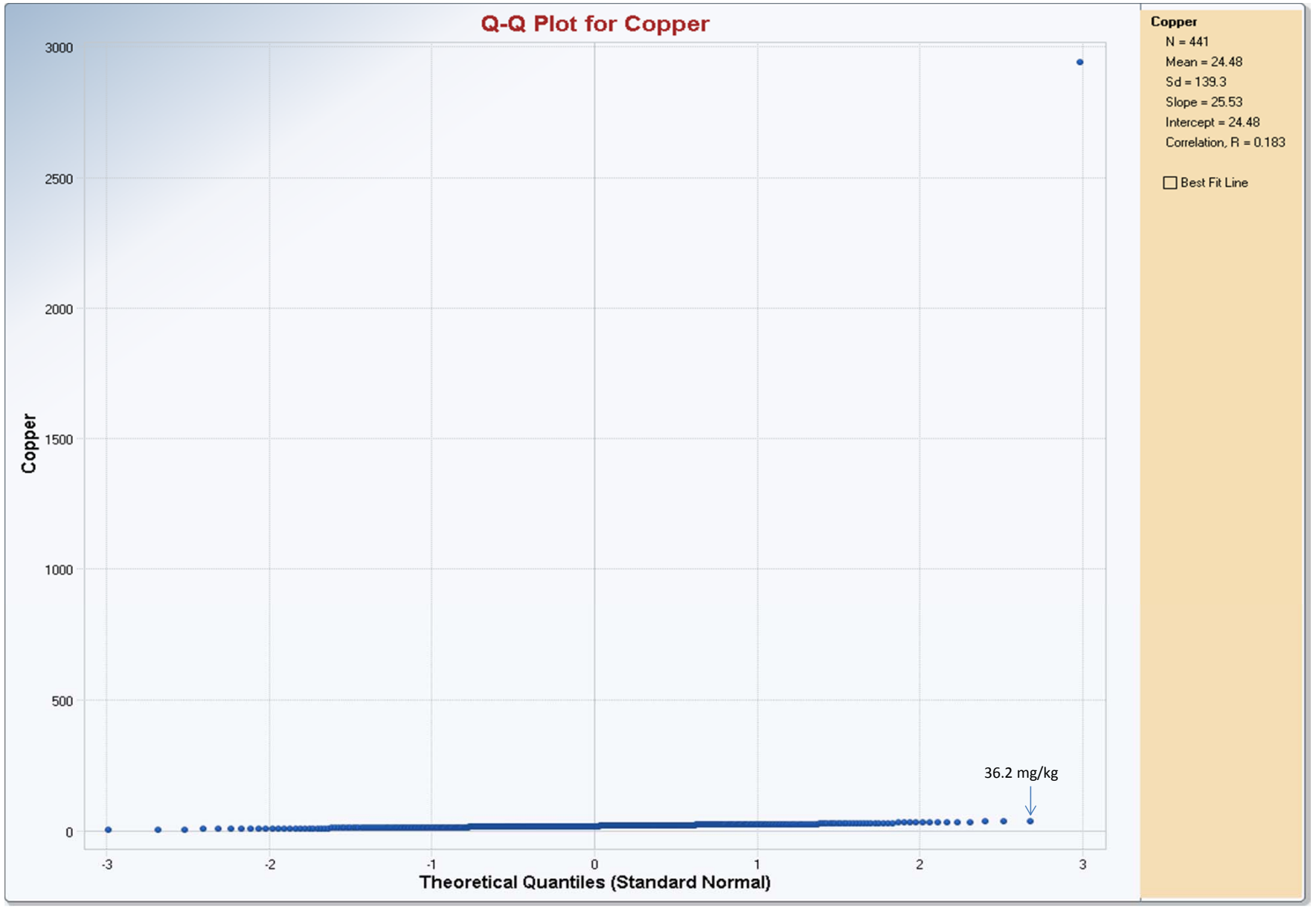

Q-Q Plot for Cadmium Log
Cadmium Log
N = 139
Mean = 0.0629
Sd = 0.128
Slope = 0.125
Intercept = 0.0629
Correlation, R = 0.972
Best Fit Line
0.6
0.4
0.2
0.0
-0.2
Cadmium Log
-2
-1
0
1
2
Theoretical Quantiles (Standard Normal)
2.2 mg/kg

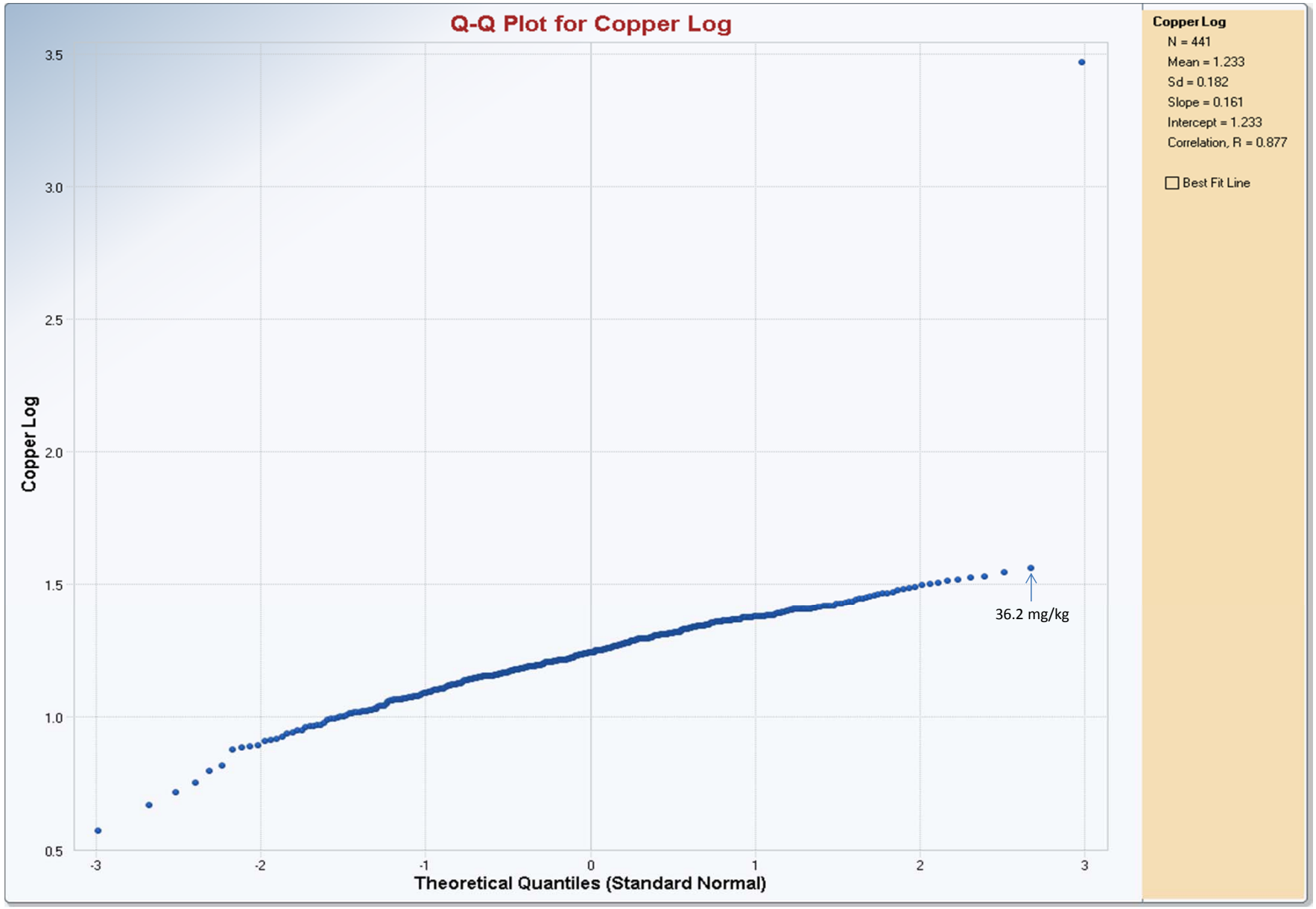

Q-Q Plot for Chromium
Chromium
N = 437
Mean = 16.09
Sd = 5.038
Slope = 5.025
Intercept = 16.09
Correlation, R = 0.994
Best Fit Line
32.7 mg/kg
Chromium
32
28
24
20
16
12
8
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)

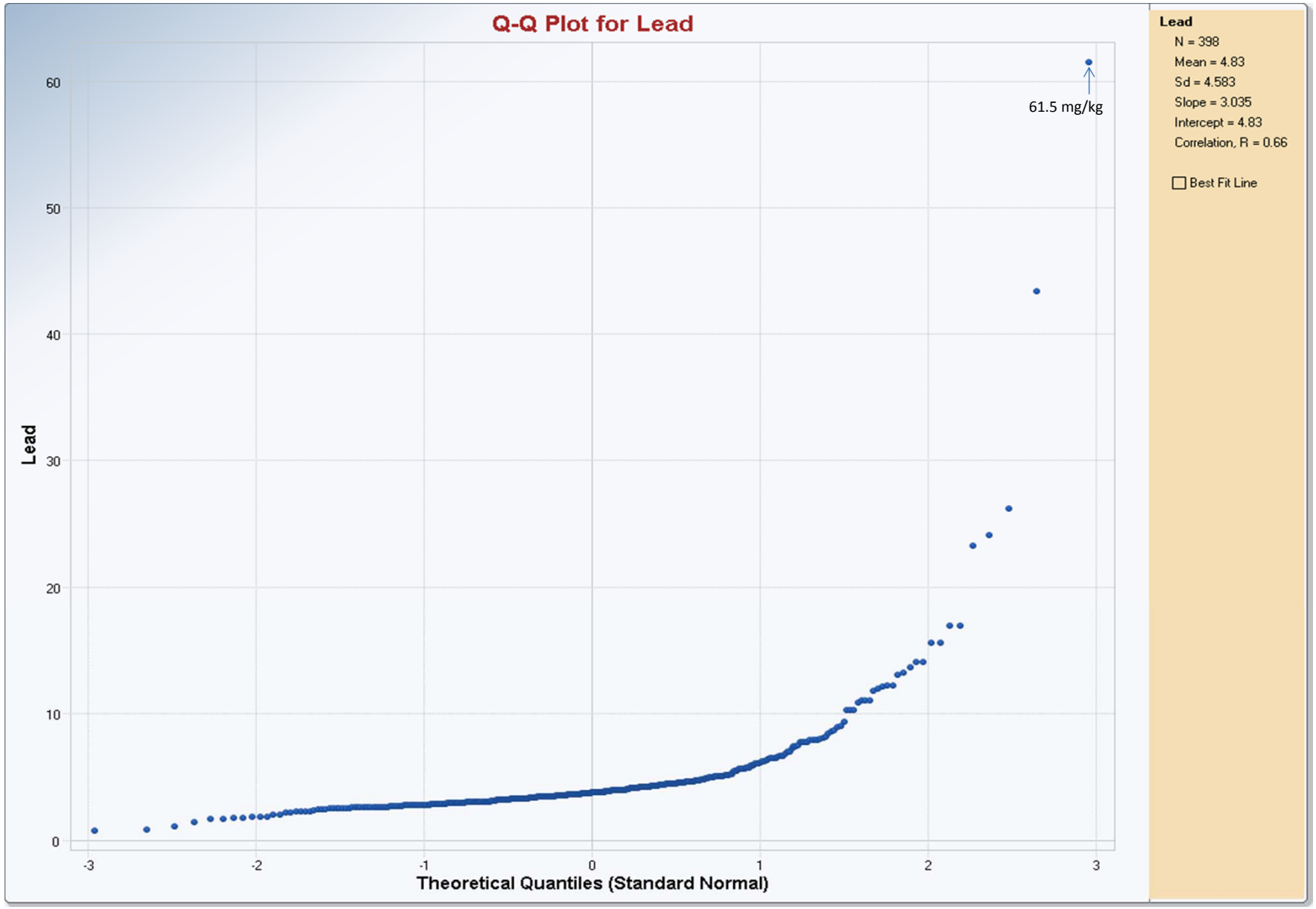

Q-Q Plot for Chromium Log
Chromium Log
N = 437
Mean = 1.184
Sd = 0.145
Slope = 0.144
Intercept = 1.184
Correlation, R = 0.99
Best Fit Line
32.7 mg/kg
Chromium Log
1.50
1.40
1.30
1.20
1.10
1.00
0.90
0.80
0.70
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)

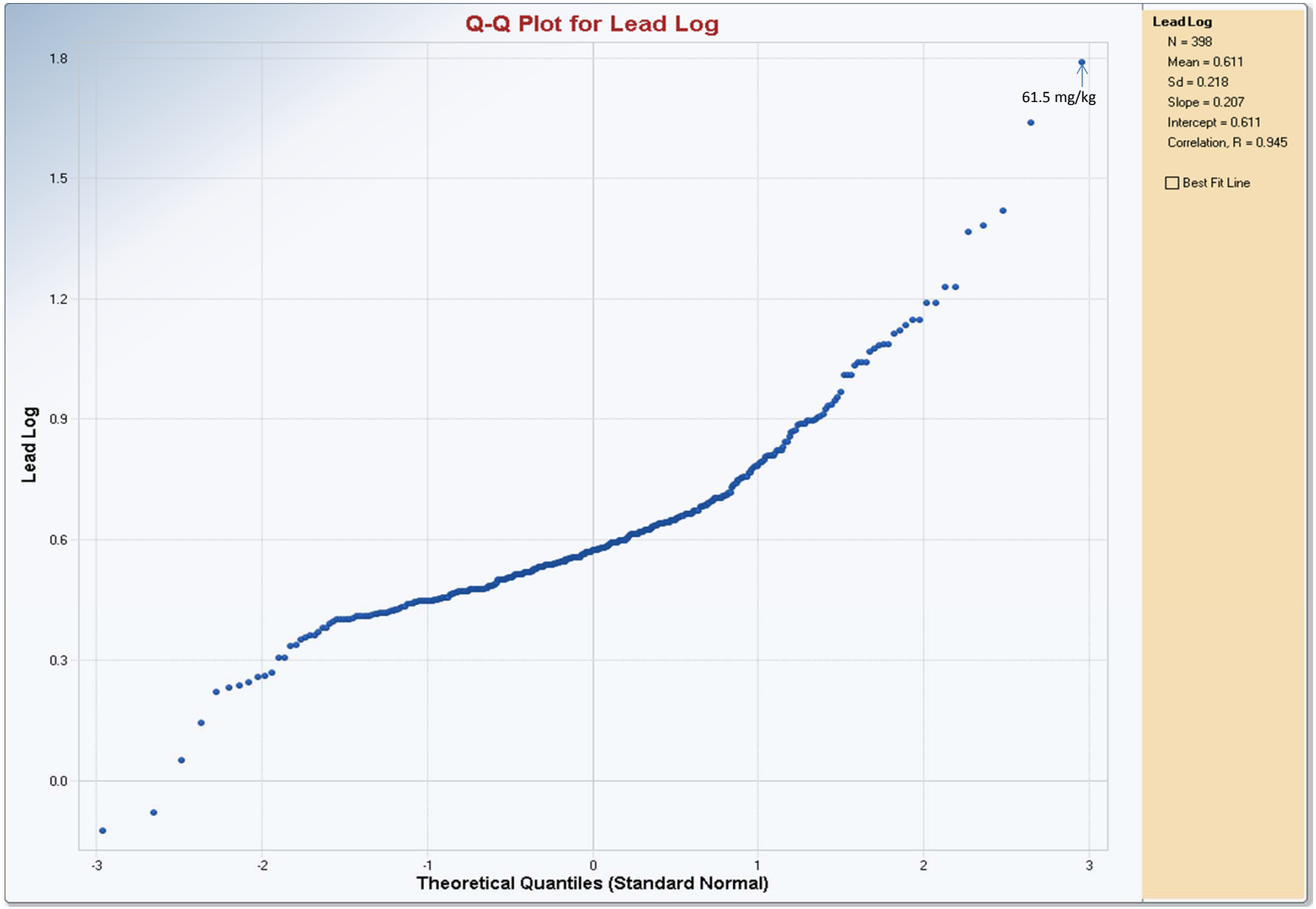

Q-Q Plot for Cobalt
Cobalt
N = 464
Mean = 6.81
Sd = 4.385
Slope = 2.195
Intercept = 6.81
Correlation, R = 0.499
Best Fit Line
Cobalt
0
20
40
60
80
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)
11.4 mg/kg

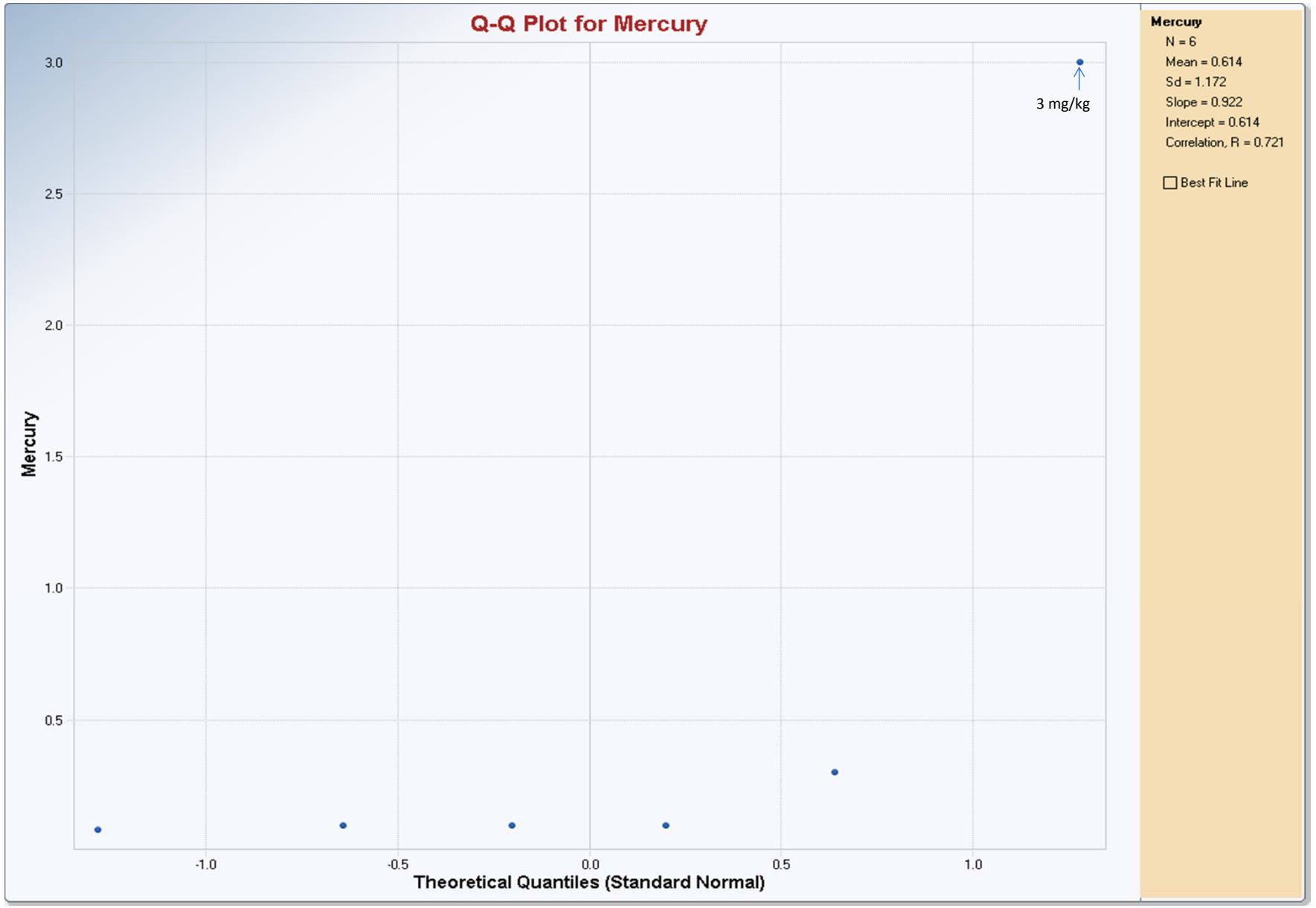
Q-Q Plot for Cobalt Log
Cobalt Log
N = 464
Mean = 0.809
Sd = 0.119
Slope = 0.108
Intercept = 0.809
Correlation, R = 0.905
Best Fit Line
Cobalt Log
1.8
1.5
1.2
0.9
0.6
0.3
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)
11.4 mg/kg


Q-Q Plot for Copper
Copper
N = 441
Mean = 24.48
Sd = 139.3
Slope = 25.53
Intercept = 24.48
Correlation, R = 0.183
Best Fit Line
3000
2500
2000
1500
1000
500
0
Copper
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)
36.2 mg/kg

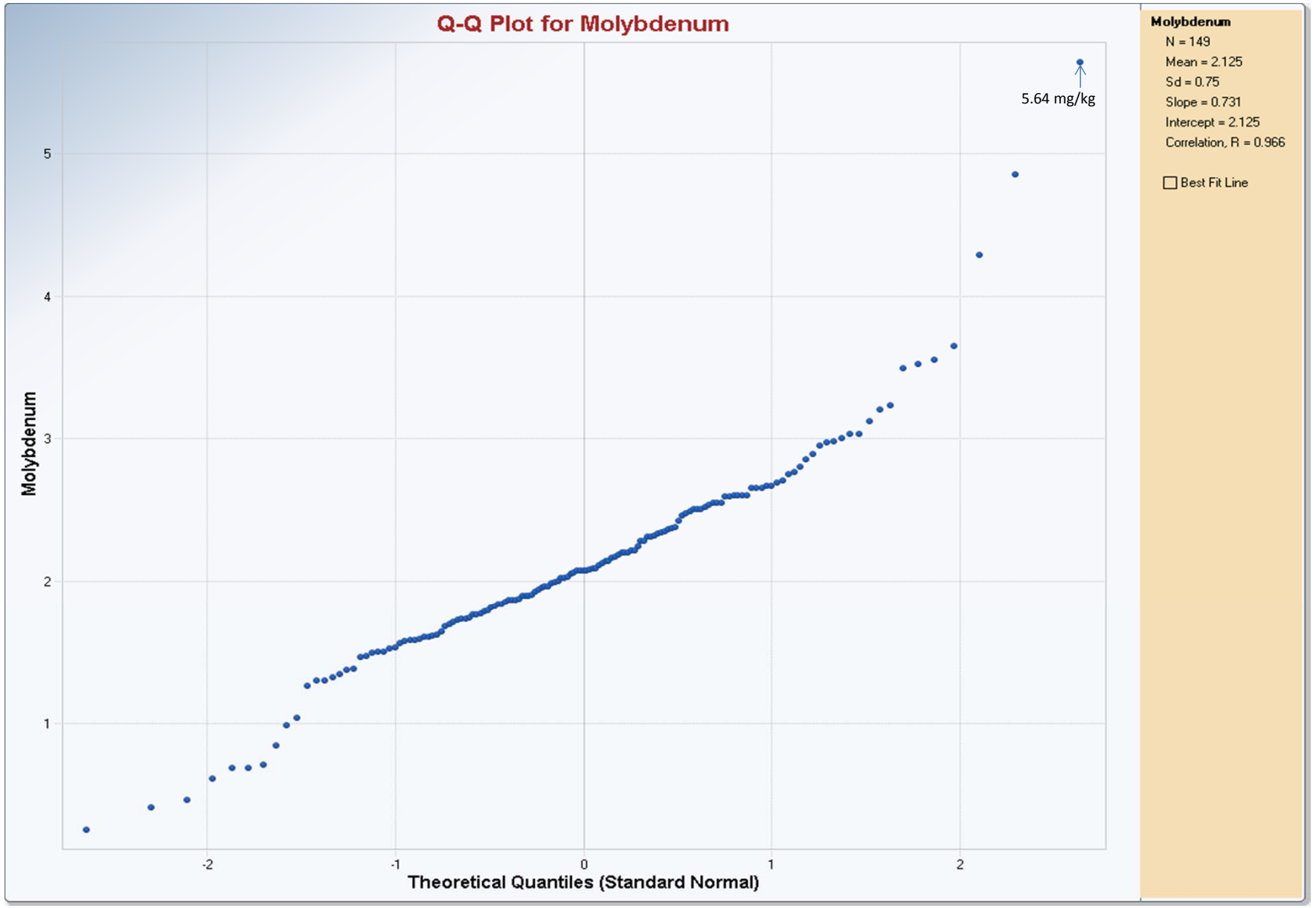

Q-Q Plot for Copper Log
Copper Log
N = 441
Mean = 1.233
Sd = 0.182
Slope = 0.161
Intercept = 1.233
Correlation, R = 0.877
Best Fit Line
Copper Log
3.5
3.0
2.5
2.0
1.5
1.0
0.5
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)
36.2 mg/kg

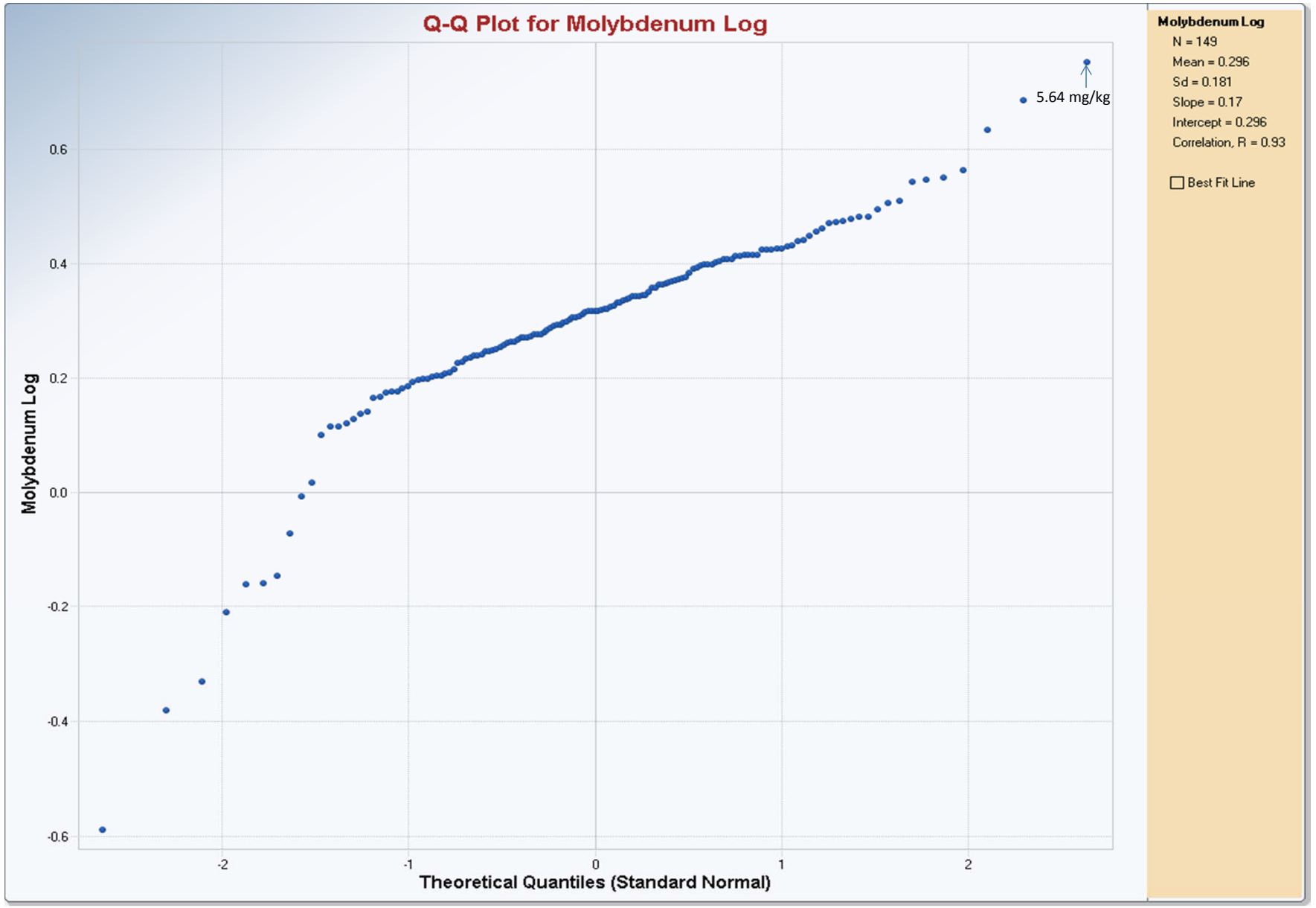

Q-Q Plot for Lead
Lead
N = 398
Mean = 4.83
Sd = 4.583
Slope = 3.035
Intercept = 4.83
Correlation, R = 0.66
Best Fit Line
61.5 mg/kg
Lead
Theoretical Quantiles (Standard Normal)
0
10
20
30
40
50
60
-3
-2
-1
0
1
2
3

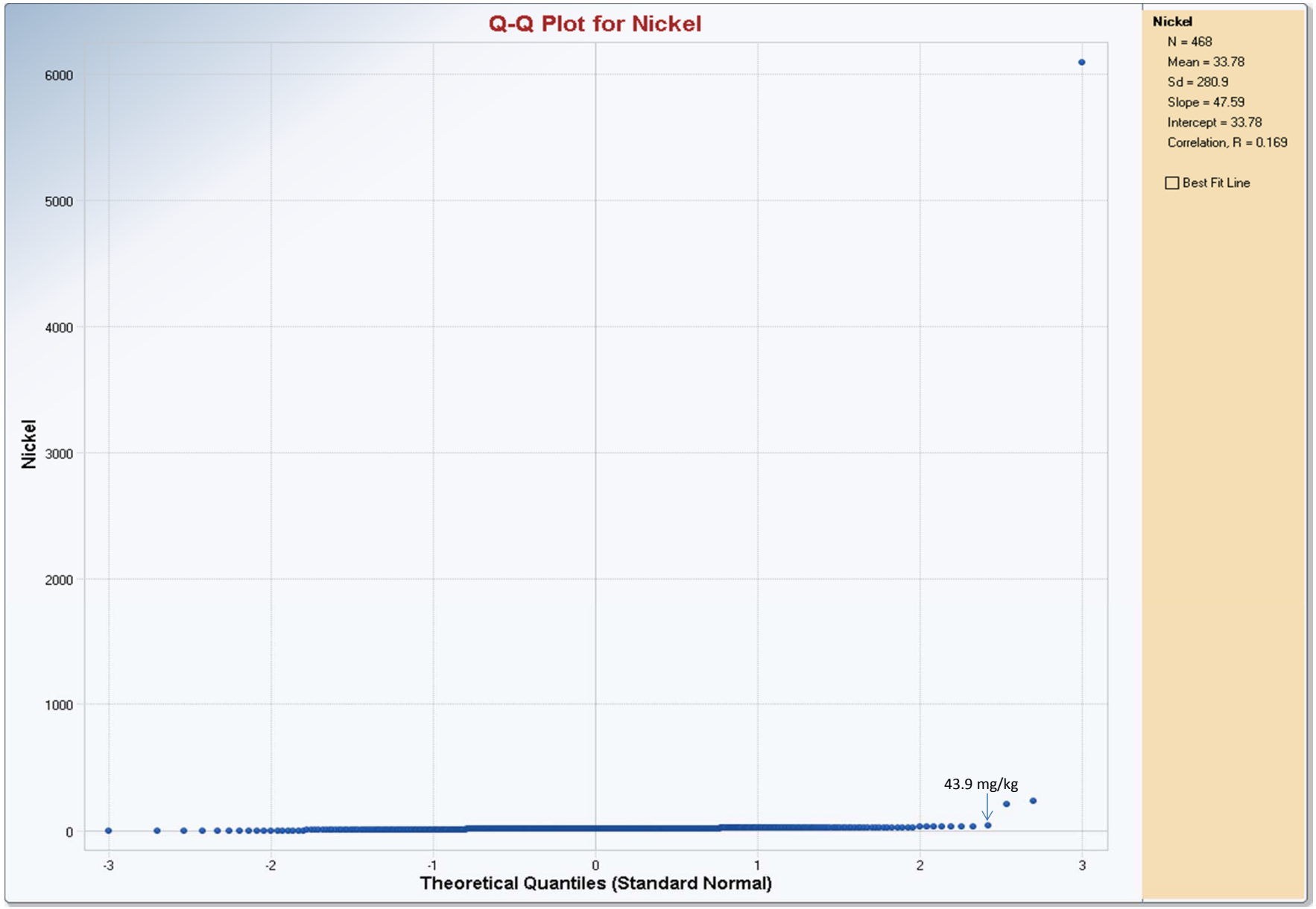

Q-Q Plot for Lead Log
Lead Log
N = 398
Mean = 0.611
Sd = 0.218
Slope = 0.207
Intercept = 0.611
Correlation, R = 0.945
Best Fit Line
61.5 mg/kg
Lead Log
Theoretical Quantiles (Standard Normal)
1.8
1.5
1.2
0.9
0.6
0.3
0.0
-3
-2
-1
0
1
2
3

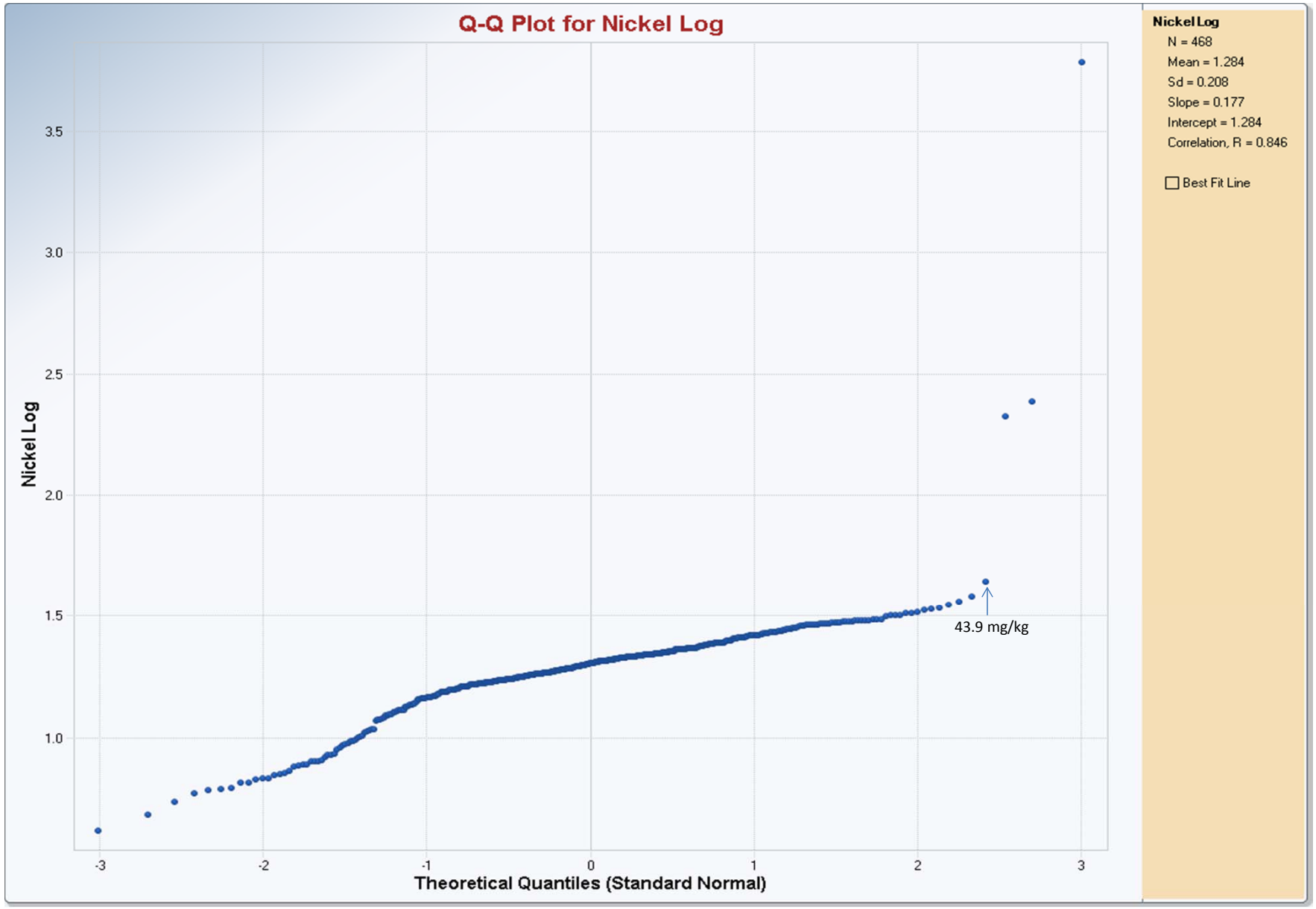

Q-Q Plot for Mercury
Mercury
N = 6
Mean = 0.614
Sd = 1.172
Slope = 0.922
Intercept = 0.614
Correlation, R = 0.721
Best Fit Line
3 mg/kg
Mercury
3.0
2.5
2.0
1.5
1.0
0.5
-1.0
-0.5
0.0
0.5
1.0
Theoretical Quantiles (Standard Normal)

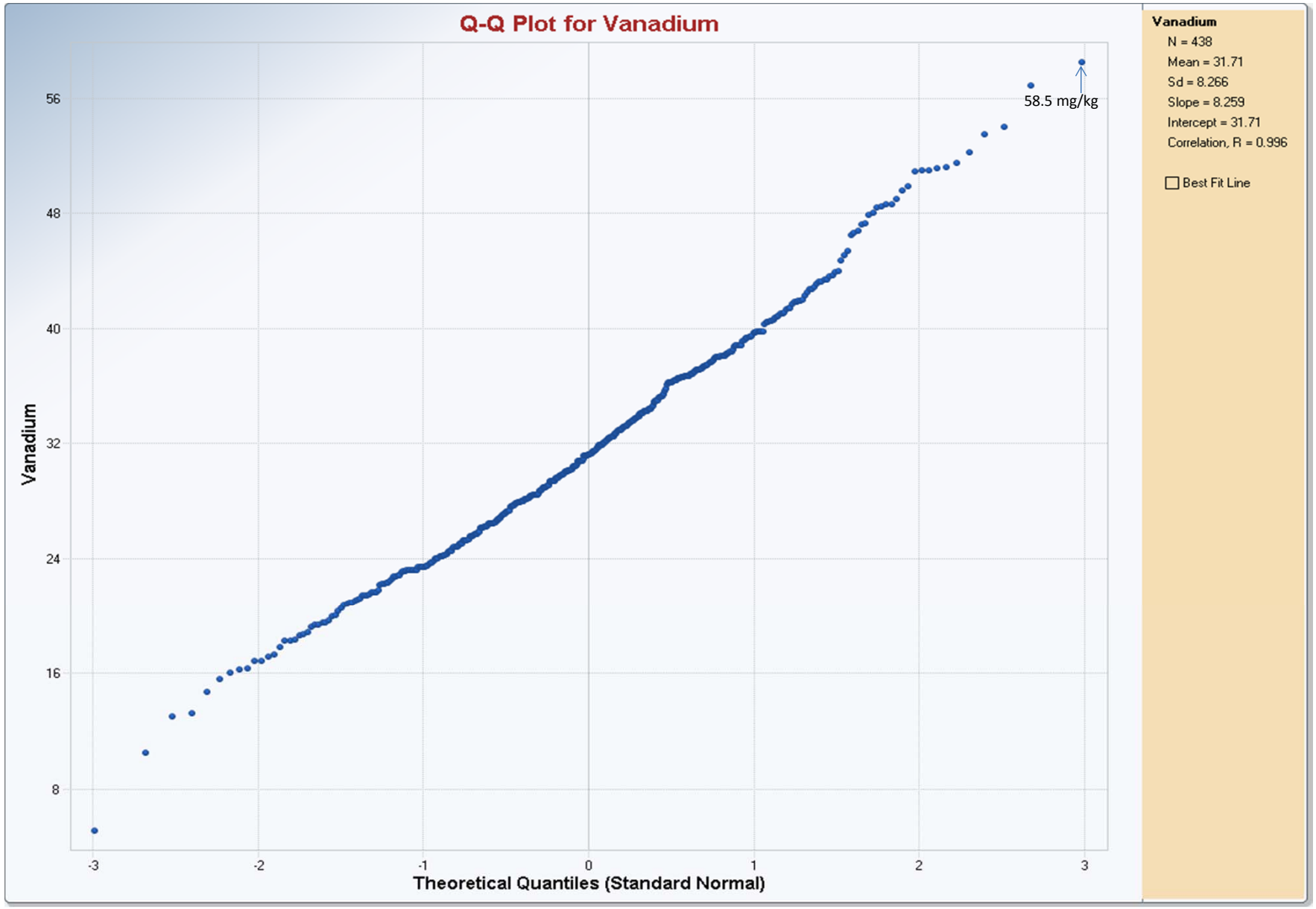
Q-Q Plot for Mercury Log
3 mg/kg
0.3
0.0
-0.3
-0.6
-0.9
Mercury Log
-1.0
-0.5
0.0
0.5
1.0
Theoretical Quantiles (Standard Normal)
Mercury Log
N = 6
Mean = -0.689
Sd = 0.606
Slope = 0.549
Intercept = -0.689
Correlation, R = 0.831
Best Fit Line

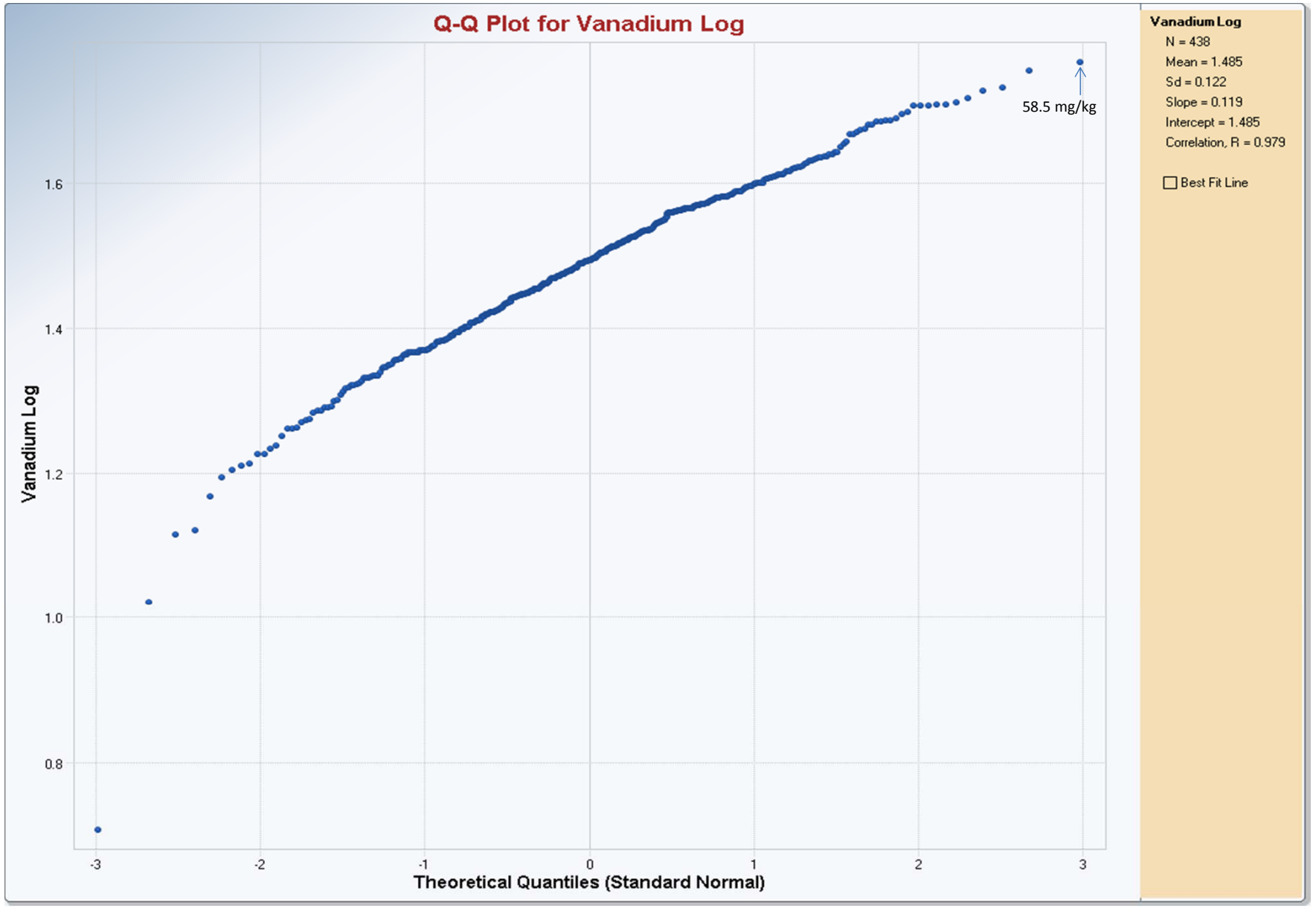

Q-Q Plot for Molybdenum
5.64 mg/kg
Molybdenum
N = 149
Mean = 2.125
Sd = 0.75
Slope = 0.731
Intercept = 2.125
Correlation, R = 0.966
Best Fit Line
Molybdenum
Theoretical Quantiles (Standard Normal)
1
2
3
4
5
-2
-1
0
1
2

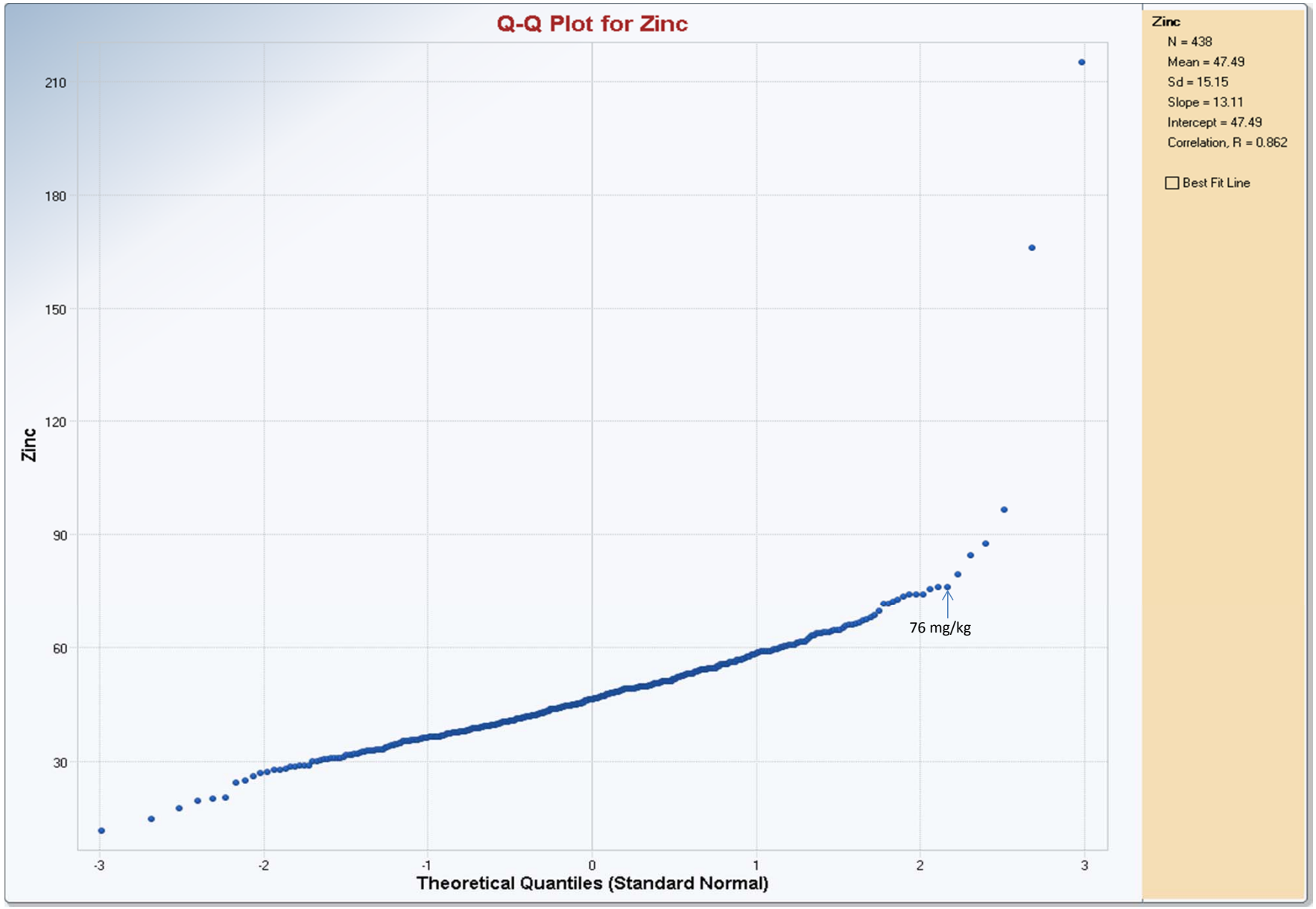

Q-Q Plot for Molybdenum Log
Molybdenum Log
N = 149
Mean = 0.296
Sd = 0.181
Slope = 0.17
Intercept = 0.296
Correlation, R = 0.93
Best Fit Line
5.64 mg/kg
Molybdenum Log
0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6
-2
-1
0
1
2
Theoretical Quantiles (Standard Normal)

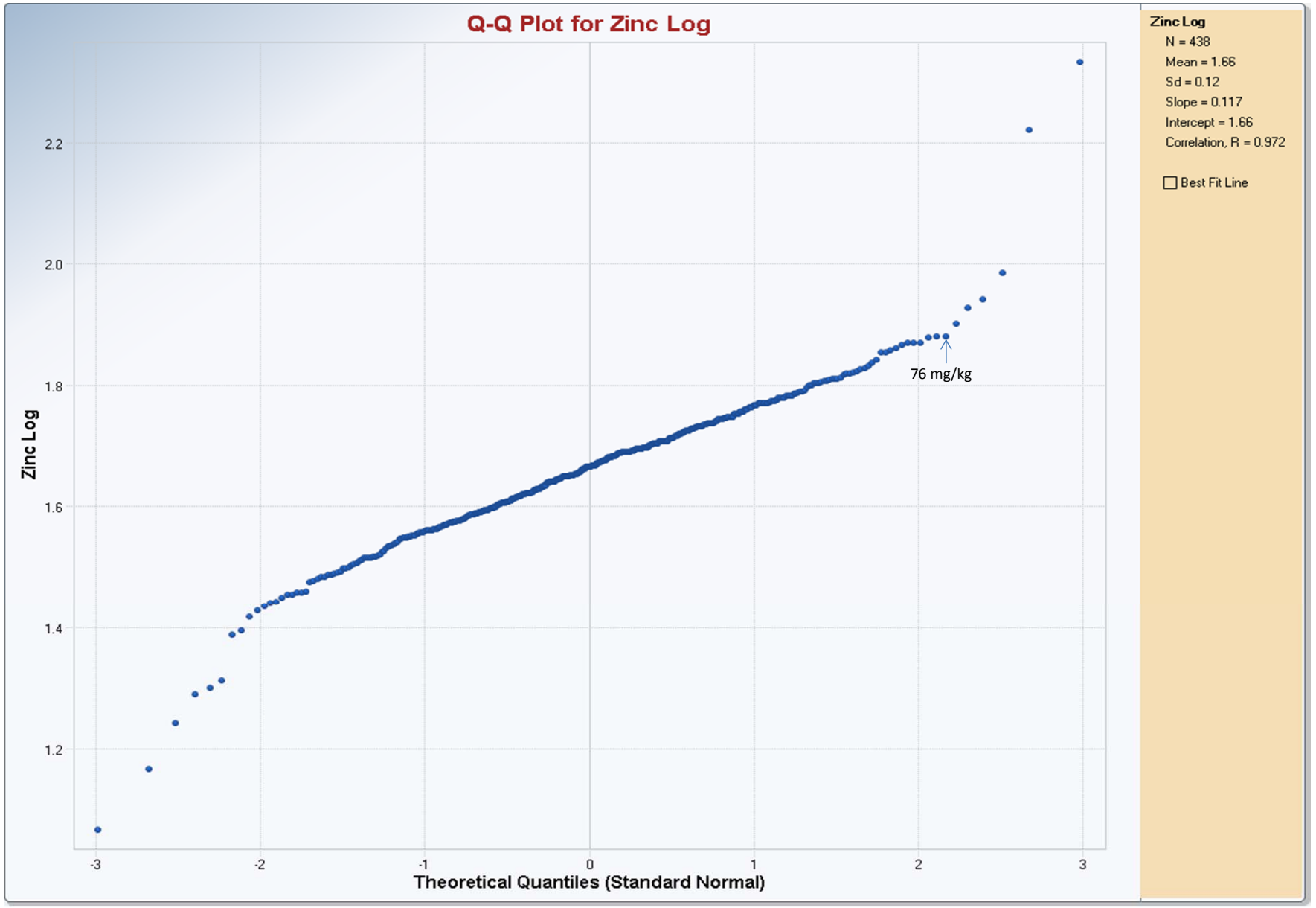

Q-Q Plot for Nickel
Nickel
N = 468
Mean = 33.78
Sd = 280.9
Slope = 47.59
Intercept = 33.78
Correlation, R = 0.169
Best Fit Line
6000
5000
4000
3000
2000
1000
0
Nickel
43.9 mg/kg
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)


Q-Q Plot for Nickel Log
Nickel Log
N = 468
Mean = 1.284
Sd = 0.208
Slope = 0.177
Intercept = 1.284
Correlation, R = 0.846
Best Fit Line
Nickel Log
3.5
3.0
2.5
2.0
1.5
1.0
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)
43.9 mg/kg


Q-Q Plot for Vanadium
Vanadium
N = 438
Mean = 31.71
Sd = 8.266
Slope = 8.259
Intercept = 31.71
Correlation, R = 0.996
Best Fit Line
58.5 mg/kg
Vanadium
56
48
40
32
24
16
8
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)


Q-Q Plot for Vanadium Log
Vanadium Log
N = 438
Mean = 1.485
Sd = 0.122
Slope = 0.119
Intercept = 1.485
Correlation, R = 0.979
Best Fit Line
58.5 mg/kg
Vanadium Log
1.6
1.4
1.2
1.0
0.8
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)


Q-Q Plot for Zinc
Zinc
N = 438
Mean = 47.49
Sd = 15.15
Slope = 13.11
Intercept = 47.49
Correlation, R = 0.862
Best Fit Line
210
180
150
120
90
60
30
Zinc
-3
-2
-1
0
1
2
3
Theoretical Quantiles (Standard Normal)
76 mg/kg


Q-Q Plot for Zinc Log
Zinc Log
N = 438
Mean = 1.66
Sd = 0.12
Slope = 0.117
Intercept = 1.66
Correlation, R = 0.972
Best Fit Line
76 mg/kg
Zinc Log
Theoretical Quantiles (Standard Normal)
2.2
2.0
1.8
1.6
1.4
1.2
-3
-2
-1
0
1
2
3

APPENDIX C

Location of Soil Gas Samples collected in 1989/1993, 2005-2009, and 2014

U:\32594\CANOGA\CAD\451\32594-451-SOIL_RISK_ASSESSMENT_R2.DWG

VANOWEN STREET

OWENSMOUTH AVENUE

CANOGA AVENUE

VICTORY BOULEVARD

FORMER BUILDING 038

SURPLUS SALES

001 FACTORY

BEST BUY CO. INC. COMMERCIAL PROPERTY

HELIPORT

004 043 003 005 016 028 039 002 030 066 029 042 031 027

DP0051 DP0194 DP0193 DP0192 DP0191 DP0190 DP0189 DP0188 DP0187 DP0083 DP0186 DP0082 DP0350 DP0080 DP0349 DP0195 DP0185 DP0084 DP0184 DP0075 DP0183 DP0074 DP0351 DP0179 DP0182 DP0073 DP0352 DP0181 DP0180 DP0198 DP0197 DP0196 DP0271 DP0053 DP0081 DP0085 DP0077 DP0069 DP0065 DP0050 DP0046 DP0048 DP0043 DP0039 DP0036 DP0044 DP0038 DP0064 DP0068 DP0054 DP0078 DP0348 DP0210 DP0079 DP0056 DP0063 DP0062 DP0061 DP0060 DP0035 DP0094 DP0028 DP0027 DP0238 DP0034 DP0237 DP0026 DP0013 DP0066 DP0025 DP0024 DP0067 DP0012 DP0023 DP0022 DP0021 DP0359 DP0114 DP0115 DP0009 DP0010 DP0087 DP0113 DP0011 DP0088 DP0005A DP0007A DP0089 DP0112 DP0358 DP0086 DP0360 DP0230 DP0090 DP0357 DP0004A DP0116 DP0001A DP0118 DP0004 DP0006A DP0091 DP0117 DP0119 DP0003 DP0002 DP0111 DP0356 DP0097 DP0020 DP0355 DP0008 DP0029 DP0030 DP0120 DP0122 DP0016 DP0121 DP0123 DP0124 DP0126 DP0136 DP0227 DP0354 DP0133 DP0135 DP0234 DP0235 DP0211 DP0127 DP0261 DP0233 DP0070 DP0353A DP0236 DP0128 DP0214 DP0212 DP0071 DP0213 DP0260 DP0262 DP0259 DP0253 DP0254 DP0255 DP0256 DP0257 DP0258 DP0263 DP0287 DP0293 DP0266 DP0286 DP0269 DP0268 DP0291 DP0267 DP0265 DP0288 DP0216 DP0290 DP0289 DP0270 DP0217 DP0246 DP0245 DP0244 DP0141 DP0199 DP0146 DP0147 DP0144 DP0145 DP0143 DP0142 DP0162 DP0163 DP0164 DP0177 DP0176 DP0240 DP0239 DP0241 DP0242 035-11 035-10 DP0209 DP0243 035-3 035-2 035-1 035-9 DP0148 DP0275 DP0151 DP0155 DP0362 035-8 DP0149 DP0276 DP0274 035-7 DP0364 DP0363 035-5 DP0215 035-4 DP0154 035-6 DP0273 DP0363 DP0156 DP0161 DP0159 DP0157 DP0166 DP0247 DP0249 SW-5 DP0248 SW-2 SW-1 DP0370 DP0173 DP0178 DP0172 DP0171 DP0175 001-6 DP0367 001-5 001-4 001-3 001-2 001-1 DP0369 002-5 002-4 002-6 002-2 002-1 DP0138 002-7 002-3 SV-1 SV-2 SV-3 SV-4 SV-10 SV-11 SV-11A SV-11B SV-11C

LEGEND:

- APPROXIMATE PROPERTY LINE
- SOIL GAS SAMPLE LOCATION (1989 / 1993)
- SOIL GAS SAMPLE LOCATION (2005 TO 2009)
- SOIL GAS SAMPLE LOCATION (2014)

N W E S

0 120 240

SCALE IN FEET

HALEY & ALDRICH

UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

LOCATION OF SOIL GAS SAMPLES COLLECTED IN 1989/1993, 2005-2009, AND 2014

SCALE: SCALE: AS SHOWN
OCTOBER 2014

FIGURE 1

APPENDIX D

Soil Physical Property Data

8100 Secura Way • Santa Fe Springs, CA 90670
Telephone (562) 347-2500 • Fax (562) 907-3610

July 13, 2015

Tom Tatnall
Haley & Aldrich, Inc.
3187 Red Hill Avenue, Suite 155
Costa Mesa, CA 92626-3410

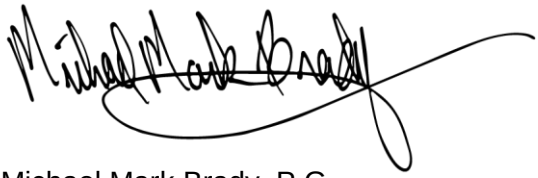
Re: PTS File No: 45385
Physical Properties Data
UTC Canoga Park; 32594-455

Dear Mr. Tatnall:

Please find enclosed report for Physical Properties analyses conducted upon samples received from your UTC Canoga Park; 32594-455 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. The samples are currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the samples will be disposed of at that time. You may contact me regarding storage, disposal, or return of the samples.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please give me a call at (562) 347-2502.

Sincerely,
PTS Laboratories, Inc.



Michael Mark Brady, P.G.
Laboratory Director

Encl.

Project Name: UTC Canoga Park
Project Number: 32594-455

PTS File No: 45385
Client: Haley & Aldrich, Inc.

TEST PROGRAM - 20150626

CORE ID	Depth ft.	Core Recovery ft.	CAL-EPA DTSC Vapor Intrusion						Comments
		Plugs:	Various						
Date Received: 20150626									
DP0375-SS-005-006	**N/A**	**0.95**	**X**						
DP0375-SS-08.5-010	**N/A**	**1.25**	**X**						
DP0375-SS-010.5-012	**N/A**	**1.45**	**X**						
DP0387-SS-0.5-1.5	**N/A**	**0.90**	**X**						
DP0387-SS-1.5-2.5	**N/A**	**1.10**	**X**						
DP0387-SS-5-6	**N/A**	**0.85**	**X**						
DP0387-SS-14-15	**N/A**	**1.00**	**X**						
DP0383-SS-0.5-1.2	**N/A**	**0.70**	**X**						
DP0383-SS-1.5-2.5	**N/A**	**1.20**	**X**						
DP0383-SS-10.5-12-01	**N/A**	**1.45**	**X**						
DP0383-SS-005-006-01	**N/A**	**1.20**	**X**						
DP0379-SS-1-2-01	**N/A**	**0.75**	**X**						
DP0379-SS-2-3-01	**N/A**	**1.05**	**X**						
DP0379-SS-7-8	**N/A**	**1.05**	**X**						
DP0379-SS-11.5-13	**N/A**	**1.10**	**X**						
DP0379-SS-13.5-15	**N/A**	**1.30**							HOLD
DP0391-SS-0.5-1.5	**N/A**	**1.15**	**X**						
DP0391-SS-1.5-3	**N/A**	**1.30**	**X**						
DP0391-SS-6.25-7.5	**N/A**	**1.20**	**X**						
TOTALS:	**19 Cores**	**20.95**	**18**						**19**

Laboratory Test Program Notes
Contaminant identification:
Standard TAT for basic analysis is 10 business days.
CAL-EPA DTSC Vapor Intrusion: Bulk & grain density, total porosity, moisture content, volumetric air & moisture, TOC/foc, and grain size distribution.

PTS Laboratories

PTS File No: 45385
Client: Haley & Aldrich, Inc.
Report Date: 07/13/15

PHYSICAL PROPERTIES DATA - CAL-EPA DTSC Vapor Intrusion Package

Project Name: UTC Canoga Park
Project No: 32594-455

			METHODS:	API RP40/ASTM D2216		API RP 40		API RP 40		
				MOISTURE CONTENT,		DENSITY		POROSITY, (2)		
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	ANALYSIS DATE	% weight	cm^3/cm^3	DRY BULK, g/cm^3	GRAIN, g/cm^3	TOTAL, cm^3/cm^3	AIR-FILLED, cm^3/cm^3	WATER-FILLED, cm^3/cm^3
DP0375-SS-005-006	5.1	V	20150709	20.2	0.308	1.52	2.69	0.435	0.127	0.308
DP0375-SS-08.5-010	8.6	V	20150709	20.6	0.323	1.57	2.63	0.405	0.082	0.323
DP0375-SS-010.5-012	10.6	V	20150709	20.2	0.307	1.52	2.63	0.422	0.116	0.307
DP0387-SS-0.5-1.5	0.9	V	20150709	6.1	0.087	1.41	2.58	0.454	0.368	0.087
DP0387-SS-1.5-2.5	1.6	V	20150709	17.1	0.275	1.60	2.57	0.378	0.103	0.275
DP0387-SS-5-6	5.35	V	20150709	14.1	0.219	1.55	2.58	0.398	0.179	0.219
DP0387-SS-14-15	14.1	V	20150709	20.2	0.311	1.53	2.59	0.407	0.096	0.311
DP0383-SS-0.5-1.2	0.7	V	20150709	11.0	0.139	1.26	2.62	0.518	0.379	0.139
DP0383-SS-1.5-2.5	1.6	V	20150709	23.9	0.362	1.51	2.58	0.413	0.051	0.362
DP0383-SS-10.5-12-01	10.6	V	20150709	20.3	0.323	1.59	2.60	0.388	0.065	0.323
DP0383-SS-005-006-01	5.1	V	20150709	15.8	0.218	1.38	2.60	0.470	0.251	0.218
DP0379-SS-1-2-01	1.5	V	20150709	16.7	0.278	1.66	2.61	0.363	0.086	0.278
DP0379-SS-2-3-01	2.1	V	20150709	14.3	0.234	1.64	2.61	0.371	0.137	0.234
DP0379-SS-7-8	7.1	V	20150709	13.9	0.211	1.52	2.60	0.415	0.205	0.211
DP0379-SS-11.5-13	11.6	V	20150709	22.8	0.339	1.49	2.59	0.425	0.085	0.339
DP0391-SS-0.5-1.5	0.6	V	20150709	23.0	0.333	1.44	2.58	0.442	0.109	0.333
DP0391-SS-1.5-3	1.6	V	20150709	22.5	0.340	1.51	2.57	0.412	0.073	0.340
DP0391-SS-6.25-7.5	6.35	V	20150709	14.0	0.202	1.45	2.59	0.442	0.240	0.202

(1) Sample Orientation: H = horizontal; V = vertical; R = remold

(2) Total Porosity = all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids.

Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: UTC Canoga Park
PROJECT NO: 32594-455

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
DP0375-SS-005-006	5.25	Silt	0.031	0.00	0.00	3.46	27.37	49.62	19.56	69.17
DP0375-SS-08.5-010	8.7	Silt	0.025	0.00	0.00	2.69	25.91	49.21	22.19	71.40
DP0375-SS-010.5-012	10.75	Silt	0.028	0.00	0.00	4.21	26.10	48.15	21.54	69.69
DP0387-SS-1.5-2.5	1.85	Silt	0.016	0.00	0.00	0.00	21.31	50.66	28.03	78.68
DP0387-SS-5-6	5.2	Silt	0.034	0.00	0.00	7.49	29.35	43.34	19.83	63.17
DP0387-SS-14-15	14.4	Silt	0.019	0.00	0.00	1.76	21.95	51.71	24.58	76.29
DP0383-SS-0.5-1.2	0.9	Fine sand	0.098	0.00	0.00	22.81	32.15	32.64	12.40	45.04
DP0383-SS-1.5-2.5	1.85	Silt	0.006	0.00	0.00	0.00	4.93	51.33	43.74	95.07
DP0383-SS-10.5-12-01	10.85	Silt	0.011	0.00	0.00	0.00	12.97	56.27	30.76	87.03
DP0383-SS-005-006-01	5.35	Silt	0.026	0.00	0.00	3.47	23.60	53.90	19.02	72.92
DP0379-SS-2-3-01	2.35	Fine sand	0.038	0.00	0.00	11.07	27.07	42.94	18.92	61.86
DP0379-SS-7-8	7.4	Silt	0.019	0.00	0.00	0.88	27.01	50.68	21.43	72.11
DP0379-SS-11.5-13	11.9	Silt	0.016	0.00	0.00	0.00	19.76	53.07	27.18	80.24
DP0391-SS-0.5-1.5	0.9	Silt	0.021	0.00	0.00	3.41	23.64	48.71	24.24	72.95

(1) Based on Mean from Trask

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: UTC Canoga Park
PROJECT NO: 32594-455

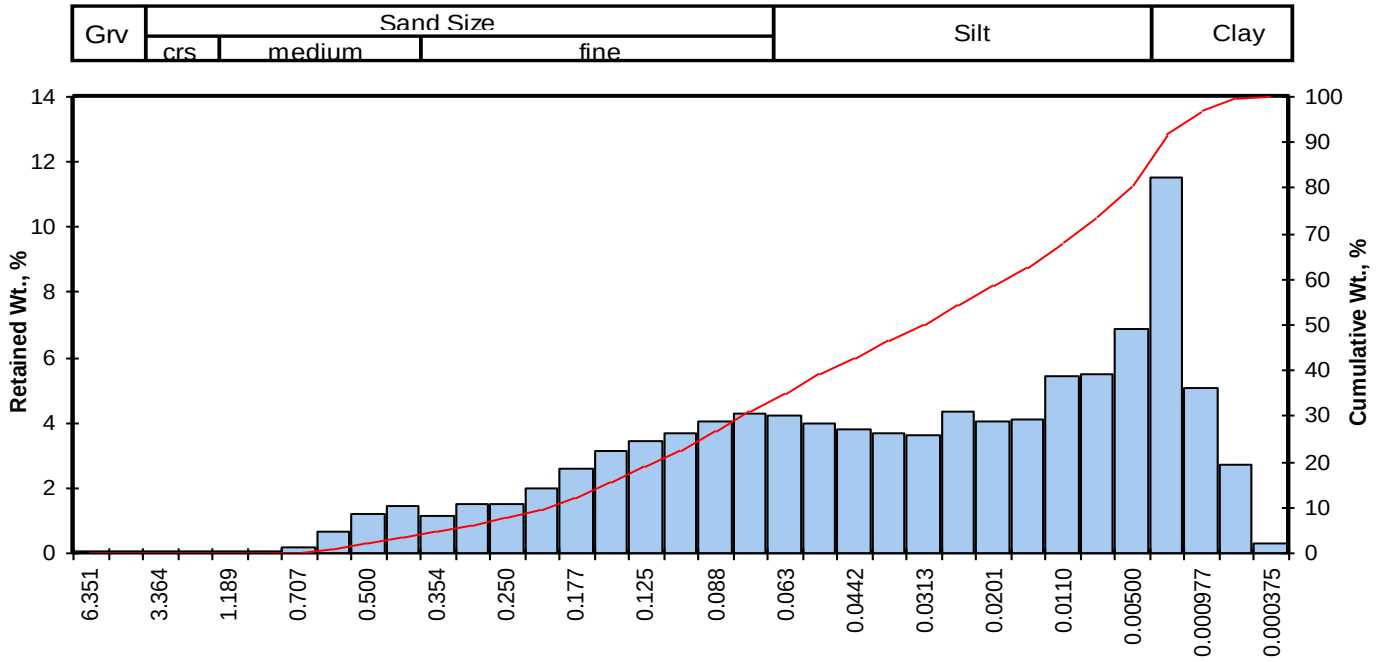
Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
DP0391-SS-1.5-3	1.9	Silt	0.008	0.00	0.00	0.00	7.57	53.37	39.06	92.43
DP0391-SS-6.25-7.5	6.65	Silt	0.025	0.00	0.00	7.32	23.17	49.02	20.50	69.51

(1) Based on Mean from Trask

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0375-SS-005-006
Project No:	32594-455	**Depth, ft:**	5.25



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.01	0.01	0.01
0.0278	0.707	0.50	25	0.16	0.16	0.17
0.0234	0.595	0.75	30	0.64	0.64	0.81
0.0197	0.500	1.00	35	1.20	1.20	2.01
0.0166	0.420	1.25	40	1.45	1.45	3.46
0.0139	0.354	1.50	45	1.16	1.16	4.62
0.0117	0.297	1.75	50	1.50	1.50	6.12
0.0098	0.250	2.00	60	1.48	1.48	7.60
0.0083	0.210	2.25	70	1.98	1.98	9.58
0.0070	0.177	2.50	80	2.62	2.62	12.20
0.0059	0.149	2.75	100	3.16	3.16	15.36
0.0049	0.125	3.00	120	3.46	3.46	18.82
0.0041	0.105	3.25	140	3.71	3.71	22.53
0.0035	0.088	3.50	170	4.04	4.04	26.57
0.0029	0.074	3.75	200	4.26	4.26	30.83
0.0025	0.063	4.00	230	4.22	4.22	35.05
0.0021	0.053	4.25	270	3.98	3.98	39.02
0.00174	0.0442	4.50	325	3.80	3.80	42.82
0.00146	0.0372	4.75	400	3.70	3.70	46.52
0.00123	0.0313	5.00	450	3.60	3.60	50.12
0.000986	0.0250	5.32	500	4.37	4.37	54.49
0.000790	0.0201	5.64	635	4.04	4.04	58.53
0.000615	0.0156	6.00		4.11	4.11	62.64
0.000435	0.0110	6.50		5.45	5.45	68.09
0.000308	0.00781	7.00		5.48	5.48	73.57
0.000197	0.00500	7.65		6.87	6.87	80.44
0.000077	0.00195	9.00		11.50	11.50	91.94
0.000038	0.000977	10.00		5.04	5.04	96.98
0.000019	0.000488	11.00		2.73	2.73	99.71
0.000015	0.000375	11.38		0.29	0.29	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	1.56	0.0133	0.338
10	2.29	0.0080	0.204
16	2.80	0.0057	0.144
25	3.40	0.0037	0.095
40	4.31	0.0020	0.050
50	4.99	0.0012	0.031
60	5.77	0.0007	0.018
75	7.13	0.0003	0.007
84	8.06	0.0001	0.004
90	8.77	0.0001	0.002
95	9.61	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	4.99	4.99	4.99
Median, in.	0.0012	0.0012	0.0012
Median, mm	0.031	0.031	0.031
Mean, phi	4.30	5.43	5.28
Mean, in.	0.0020	0.0009	0.0010
Mean, mm	0.051	0.023	0.026
Sorting	3.644	2.634	2.536
Skewness	0.825	0.167	0.157
Kurtosis	0.216	0.527	0.884

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	3.46
Fine Sand	200	27.37
Silt	>0.005 mm	49.62
Clay	<0.005 mm	19.56
	Total	**100**

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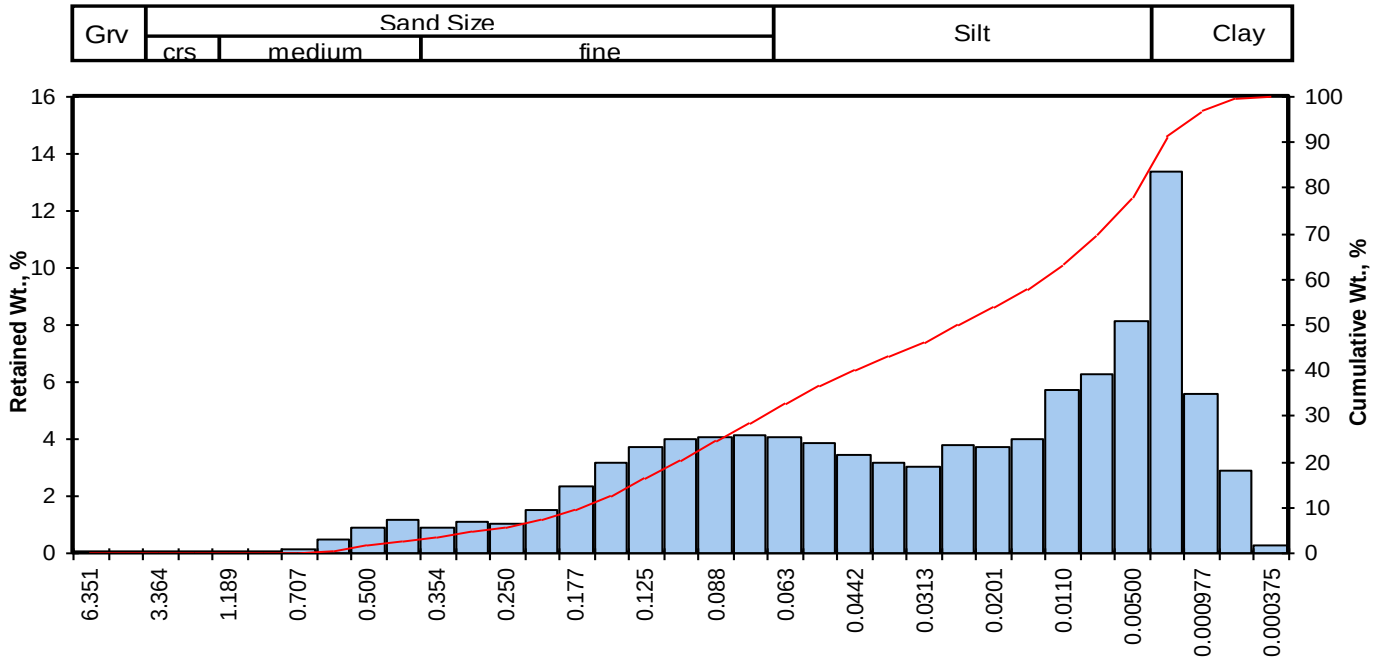
PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0375-SS-08.5-010
Project No:	32594-455	**Depth, ft:**	8.7



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.01	0.01	0.01
0.0278	0.707	0.50	25	0.12	0.12	0.13
0.0234	0.595	0.75	30	0.49	0.49	0.62
0.0197	0.500	1.00	35	0.93	0.93	1.55
0.0166	0.420	1.25	40	1.14	1.14	2.69
0.0139	0.354	1.50	45	0.90	0.90	3.59
0.0117	0.297	1.75	50	1.07	1.07	4.66
0.0098	0.250	2.00	60	1.02	1.02	5.68
0.0083	0.210	2.25	70	1.53	1.53	7.21
0.0070	0.177	2.50	80	2.32	2.32	9.53
0.0059	0.149	2.75	100	3.17	3.17	12.70
0.0049	0.125	3.00	120	3.71	3.71	16.42
0.0041	0.105	3.25	140	3.97	3.97	20.39
0.0035	0.088	3.50	170	4.07	4.07	24.46
0.0029	0.074	3.75	200	4.14	4.14	28.60
0.0025	0.063	4.00	230	4.09	4.09	32.69
0.0021	0.053	4.25	270	3.84	3.84	36.54
0.00174	0.0442	4.50	325	3.48	3.48	40.02
0.00146	0.0372	4.75	400	3.17	3.17	43.19
0.00123	0.0313	5.00	450	3.02	3.02	46.21
0.000986	0.0250	5.32	500	3.81	3.81	50.02
0.000790	0.0201	5.64	635	3.74	3.74	53.77
0.000615	0.0156	6.00		3.97	3.97	57.74
0.000435	0.0110	6.50		5.70	5.70	63.44
0.000308	0.00781	7.00		6.24	6.24	69.68
0.000197	0.00500	7.65		8.12	8.12	77.81
0.000077	0.00195	9.00		13.40	13.41	91.22
0.000038	0.000977	10.00		5.56	5.56	96.78
0.000019	0.000488	11.00		2.91	2.91	99.69
0.000015	0.000375	11.38		0.31	0.31	100.00
TOTALS				**99.90**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	1.83	0.0110	0.281
10	2.54	0.0068	0.172
16	2.97	0.0050	0.127
25	3.53	0.0034	0.086
40	4.50	0.0017	0.044
50	5.32	0.0010	0.025
60	6.20	0.0005	0.014
75	7.42	0.0002	0.006
84	8.27	0.0001	0.003
90	8.88	0.0001	0.002
95	9.68	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.32	5.32	5.32
Median, in.	0.0010	0.0010	0.0010
Median, mm	0.025	0.025	0.025
Mean, phi	4.44	5.62	5.52
Mean, in.	0.0018	0.0008	0.0009
Mean, mm	0.046	0.020	0.022
Sorting	3.850	2.649	2.514
Skewness	0.895	0.115	0.113
Kurtosis	0.237	0.481	0.827

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	2.69
Fine Sand	200	25.91
Silt	>0.005 mm	49.21
Clay	<0.005 mm	22.19
	Total	**100**

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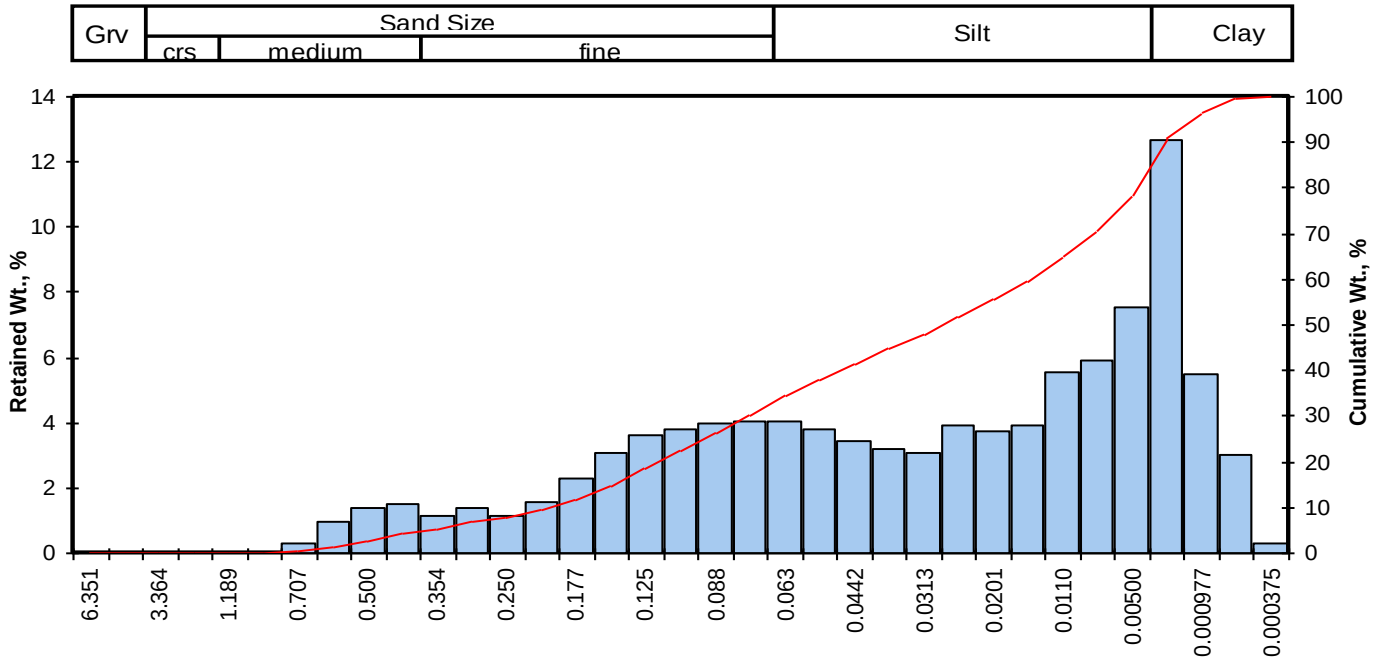
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0375-SS-010.5-012
Project No:	32594-455	**Depth, ft:**	10.75



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.02	0.02	0.02
0.0278	0.707	0.50	25	0.30	0.30	0.32
0.0234	0.595	0.75	30	0.99	0.99	1.31
0.0197	0.500	1.00	35	1.41	1.41	2.72
0.0166	0.420	1.25	40	1.49	1.49	4.21
0.0139	0.354	1.50	45	1.15	1.15	5.36
0.0117	0.297	1.75	50	1.38	1.38	6.74
0.0098	0.250	2.00	60	1.17	1.17	7.90
0.0083	0.210	2.25	70	1.56	1.56	9.46
0.0070	0.177	2.50	80	2.28	2.28	11.74
0.0059	0.149	2.75	100	3.10	3.10	14.84
0.0049	0.125	3.00	120	3.61	3.61	18.45
0.0041	0.105	3.25	140	3.83	3.83	22.28
0.0035	0.088	3.50	170	3.96	3.96	26.24
0.0029	0.074	3.75	200	4.07	4.07	30.31
0.0025	0.063	4.00	230	4.05	4.05	34.35
0.0021	0.053	4.25	270	3.79	3.79	38.14
0.00174	0.0442	4.50	325	3.43	3.43	41.57
0.00146	0.0372	4.75	400	3.17	3.17	44.74
0.00123	0.0313	5.00	450	3.10	3.10	47.84
0.000986	0.0250	5.32	500	3.92	3.92	51.76
0.000790	0.0201	5.64	635	3.77	3.77	55.53
0.000615	0.0156	6.00		3.94	3.94	59.47
0.000435	0.0110	6.50		5.54	5.54	65.00
0.000308	0.00781	7.00		5.89	5.89	70.89
0.000197	0.00500	7.65		7.57	7.57	78.46
0.000077	0.00195	9.00		12.70	12.70	91.15
0.000038	0.000977	10.00		5.51	5.51	96.66
0.000019	0.000488	11.00		3.02	3.02	99.68
0.000015	0.000375	11.38		0.32	0.32	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	1.42	0.0147	0.373
10	2.31	0.0079	0.202
16	2.83	0.0055	0.141
25	3.42	0.0037	0.093
40	4.39	0.0019	0.048
50	5.18	0.0011	0.028
60	6.05	0.0006	0.015
75	7.35	0.0002	0.006
84	8.24	0.0001	0.003
90	8.88	0.0001	0.002
95	9.70	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.18	5.18	5.18
Median, in.	0.0011	0.0011	0.0011
Median, mm	0.028	0.028	0.028
Mean, phi	4.33	5.53	5.41
Mean, in.	0.0020	0.0009	0.0009
Mean, mm	0.050	0.022	0.023
Sorting	3.902	2.703	2.605
Skewness	0.865	0.132	0.112
Kurtosis	0.218	0.531	0.863

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	4.21
Fine Sand	200	26.10
Silt	>0.005 mm	48.15
Clay	<0.005 mm	21.54
	Total	**100**

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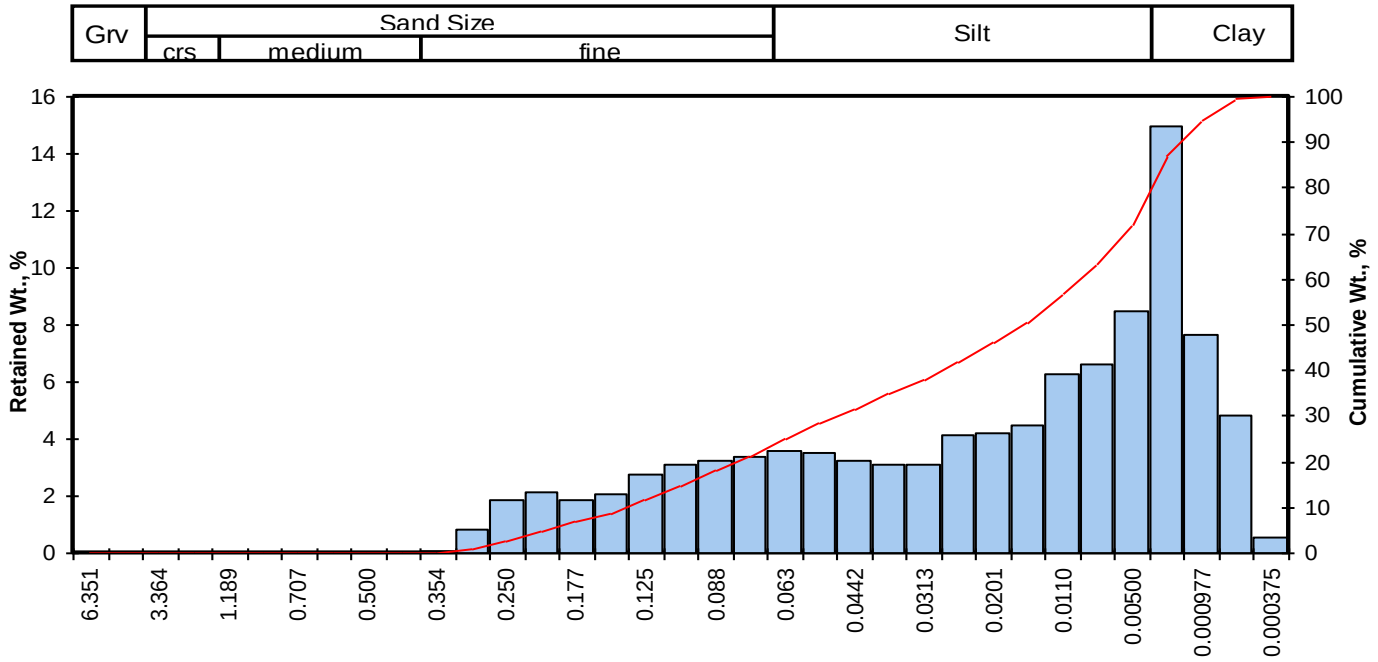
PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0387-SS-1.5-2.5
Project No:	32594-455	**Depth, ft:**	1.85



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.06	0.06	0.06
0.0117	0.297	1.75	50	0.82	0.82	0.88
0.0098	0.250	2.00	60	1.86	1.86	2.74
0.0083	0.210	2.25	70	2.13	2.13	4.87
0.0070	0.177	2.50	80	1.84	1.84	6.71
0.0059	0.149	2.75	100	2.08	2.08	8.79
0.0049	0.125	3.00	120	2.76	2.76	11.55
0.0041	0.105	3.25	140	3.13	3.13	14.68
0.0035	0.088	3.50	170	3.23	3.23	17.91
0.0029	0.074	3.75	200	3.41	3.41	21.32
0.0025	0.063	4.00	230	3.58	3.58	24.90
0.0021	0.053	4.25	270	3.50	3.50	28.39
0.00174	0.0442	4.50	325	3.24	3.24	31.63
0.00146	0.0372	4.75	400	3.08	3.08	34.71
0.00123	0.0313	5.00	450	3.13	3.13	37.84
0.000986	0.0250	5.32	500	4.17	4.17	42.01
0.000790	0.0201	5.64	635	4.18	4.18	46.19
0.000615	0.0156	6.00		4.45	4.45	50.64
0.000435	0.0110	6.50		6.25	6.25	56.89
0.000308	0.00781	7.00		6.60	6.60	63.49
0.000197	0.00500	7.65		8.48	8.48	71.97
0.000077	0.00195	9.00		15.00	15.00	86.97
0.000038	0.000977	10.00		7.68	7.68	94.65
0.000019	0.000488	11.00		4.82	4.82	99.47
0.000015	0.000375	11.38		0.53	0.53	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	2.27	0.0082	0.208
10	2.86	0.0054	0.138
16	3.35	0.0039	0.098
25	4.01	0.0024	0.062
40	5.17	0.0011	0.028
50	5.95	0.0006	0.016
60	6.74	0.0004	0.009
75	7.92	0.0002	0.004
84	8.73	0.0001	0.002
90	9.39	0.0001	0.001
95	10.07	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.95	5.95	5.95
Median, in.	0.0006	0.0006	0.0006
Median, mm	0.016	0.016	0.016
Mean, phi	4.91	6.04	6.01
Mean, in.	0.0013	0.0006	0.0006
Mean, mm	0.033	0.015	0.016
Sorting	3.879	2.690	2.527
Skewness	0.990	0.035	0.046
Kurtosis	0.213	0.451	0.818
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	21.31
Silt	>0.005 mm	50.66
Clay	<0.005 mm	28.03
	Total	**100**

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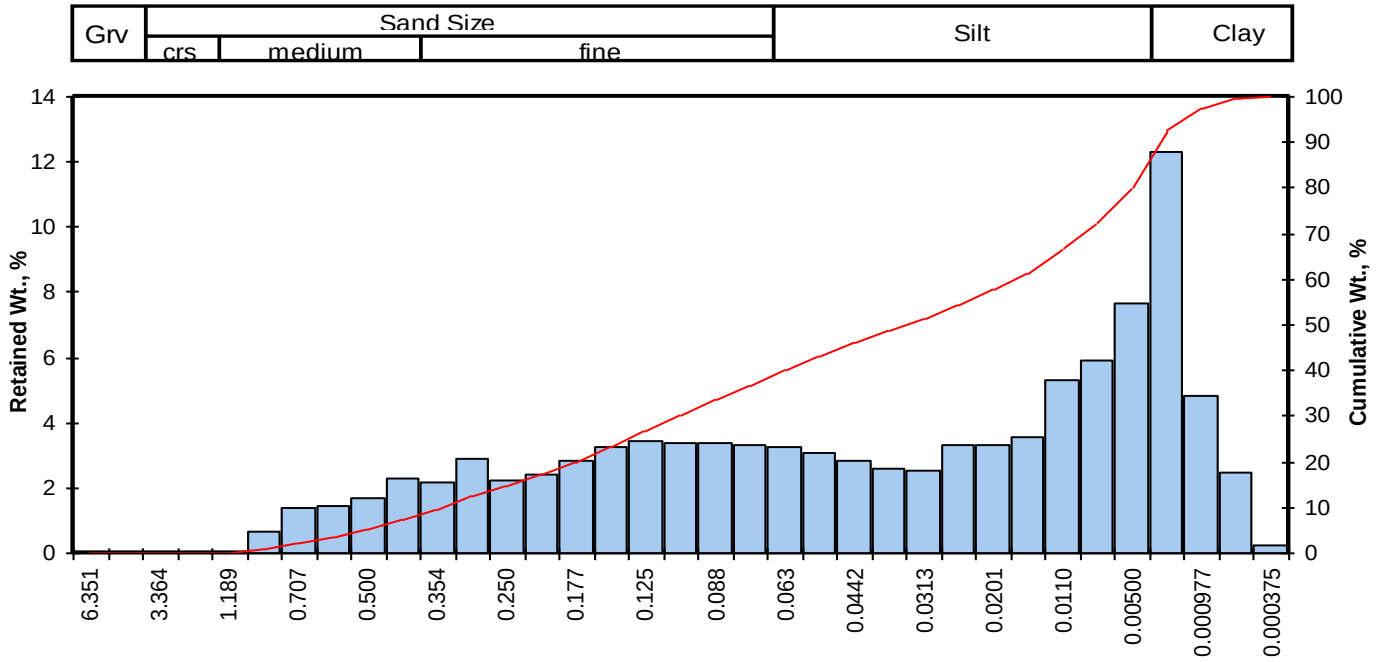
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0387-SS-5-6
Project No:	32594-455	**Depth, ft:**	5.2



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.67	0.67	0.67
0.0278	0.707	0.50	25	1.37	1.37	2.04
0.0234	0.595	0.75	30	1.42	1.42	3.46
0.0197	0.500	1.00	35	1.71	1.71	5.17
0.0166	0.420	1.25	40	2.32	2.32	7.49
0.0139	0.354	1.50	45	2.20	2.20	9.69
0.0117	0.297	1.75	50	2.89	2.89	12.57
0.0098	0.250	2.00	60	2.26	2.26	14.83
0.0083	0.210	2.25	70	2.39	2.39	17.22
0.0070	0.177	2.50	80	2.82	2.82	20.04
0.0059	0.149	2.75	100	3.26	3.26	23.30
0.0049	0.125	3.00	120	3.43	3.43	26.73
0.0041	0.105	3.25	140	3.41	3.41	30.13
0.0035	0.088	3.50	170	3.36	3.36	33.49
0.0029	0.074	3.75	200	3.34	3.34	36.83
0.0025	0.063	4.00	230	3.26	3.26	40.09
0.0021	0.053	4.25	270	3.07	3.07	43.16
0.00174	0.0442	4.50	325	2.82	2.82	45.98
0.00146	0.0372	4.75	400	2.62	2.62	48.60
0.00123	0.0313	5.00	450	2.56	2.56	51.15
0.000986	0.0250	5.32	500	3.31	3.31	54.46
0.000790	0.0201	5.64	635	3.30	3.30	57.76
0.000615	0.0156	6.00		3.57	3.57	61.33
0.000435	0.0110	6.50		5.29	5.29	66.62
0.000308	0.00781	7.00		5.90	5.90	72.51
0.000197	0.00500	7.65		7.66	7.66	80.17
0.000077	0.00195	9.00		12.30	12.29	92.46
0.000038	0.000977	10.00		4.80	4.80	97.26
0.000019	0.000488	11.00		2.48	2.48	99.74
0.000015	0.000375	11.38		0.26	0.26	100.00
TOTALS				**100.10**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	0.98	0.0200	0.509
10	1.53	0.0137	0.347
16	2.12	0.0090	0.230
25	2.87	0.0054	0.136
40	3.99	0.0025	0.063
50	4.89	0.0013	0.034
60	5.87	0.0007	0.017
75	7.21	0.0003	0.007
84	8.07	0.0001	0.004
90	8.73	0.0001	0.002
95	9.53	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	4.89	4.89	4.89
Median, in.	0.0013	0.0013	0.0013
Median, mm	0.034	0.034	0.034
Mean, phi	3.80	5.09	5.03
Mean, in.	0.0028	0.0012	0.0012
Mean, mm	0.072	0.029	0.031
Sorting	4.493	2.972	2.782
Skewness	0.898	0.070	0.078
Kurtosis	0.188	0.439	0.809

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	7.49
Fine Sand	200	29.35
Silt	>0.005 mm	43.34
Clay	<0.005 mm	19.83
	Total	**100**

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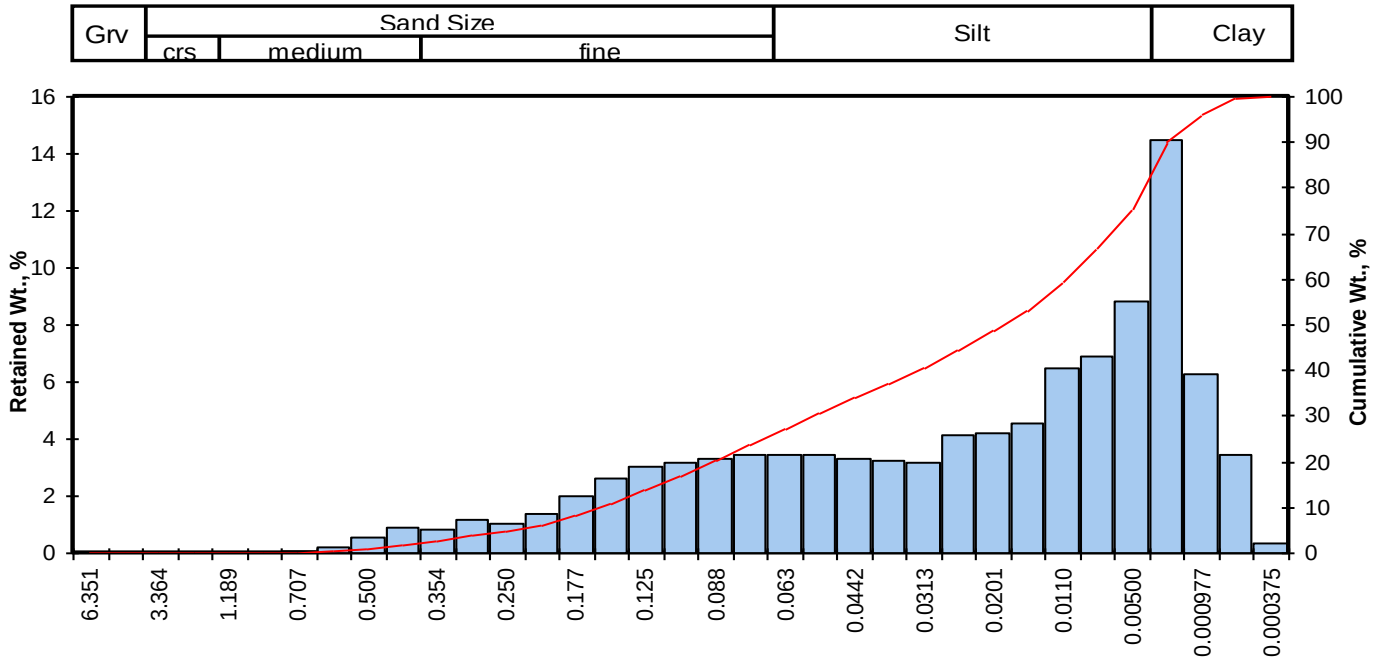
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0387-SS-14-15
Project No:	32594-455	**Depth, ft:**	14.4



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.04	0.04	0.05
0.0234	0.595	0.75	30	0.23	0.23	0.28
0.0197	0.500	1.00	35	0.58	0.58	0.86
0.0166	0.420	1.25	40	0.90	0.90	1.76
0.0139	0.354	1.50	45	0.85	0.85	2.61
0.0117	0.297	1.75	50	1.15	1.15	3.76
0.0098	0.250	2.00	60	1.03	1.03	4.79
0.0083	0.210	2.25	70	1.37	1.37	6.16
0.0070	0.177	2.50	80	1.99	1.99	8.15
0.0059	0.149	2.75	100	2.65	2.65	10.80
0.0049	0.125	3.00	120	3.02	3.02	13.82
0.0041	0.105	3.25	140	3.18	3.18	17.00
0.0035	0.088	3.50	170	3.29	3.29	20.29
0.0029	0.074	3.75	200	3.42	3.42	23.71
0.0025	0.063	4.00	230	3.48	3.48	27.19
0.0021	0.053	4.25	270	3.42	3.42	30.61
0.00174	0.0442	4.50	325	3.31	3.31	33.92
0.00146	0.0372	4.75	400	3.21	3.21	37.13
0.00123	0.0313	5.00	450	3.19	3.19	40.32
0.000986	0.0250	5.32	500	4.15	4.15	44.47
0.000790	0.0201	5.64	635	4.20	4.20	48.67
0.000615	0.0156	6.00		4.55	4.55	53.22
0.000435	0.0110	6.50		6.47	6.47	59.69
0.000308	0.00781	7.00		6.90	6.90	66.60
0.000197	0.00500	7.65		8.82	8.82	75.42
0.000077	0.00195	9.00		14.50	14.50	89.92
0.000038	0.000977	10.00		6.26	6.26	96.18
0.000019	0.000488	11.00		3.45	3.45	99.63
0.000015	0.000375	11.38		0.37	0.37	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than

Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	2.04	0.0096	0.243
10	2.67	0.0062	0.157
16	3.17	0.0044	0.111
25	3.84	0.0027	0.070
40	4.97	0.0013	0.032
50	5.74	0.0007	0.019
60	6.52	0.0004	0.011
75	7.61	0.0002	0.005
84	8.45	0.0001	0.003
90	9.01	0.0001	0.002
95	9.81	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.74	5.74	5.74
Median, in.	0.0007	0.0007	0.0007
Median, mm	0.019	0.019	0.019
Mean, phi	4.74	5.81	5.79
Mean, in.	0.0015	0.0007	0.0007
Mean, mm	0.037	0.018	0.018
Sorting	3.696	2.638	2.497
Skewness	1.011	0.024	0.035
Kurtosis	0.209	0.473	0.845
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	1.76
Fine Sand	200	21.95
Silt	>0.005 mm	51.71
Clay	<0.005 mm	24.58
	Total	**100**

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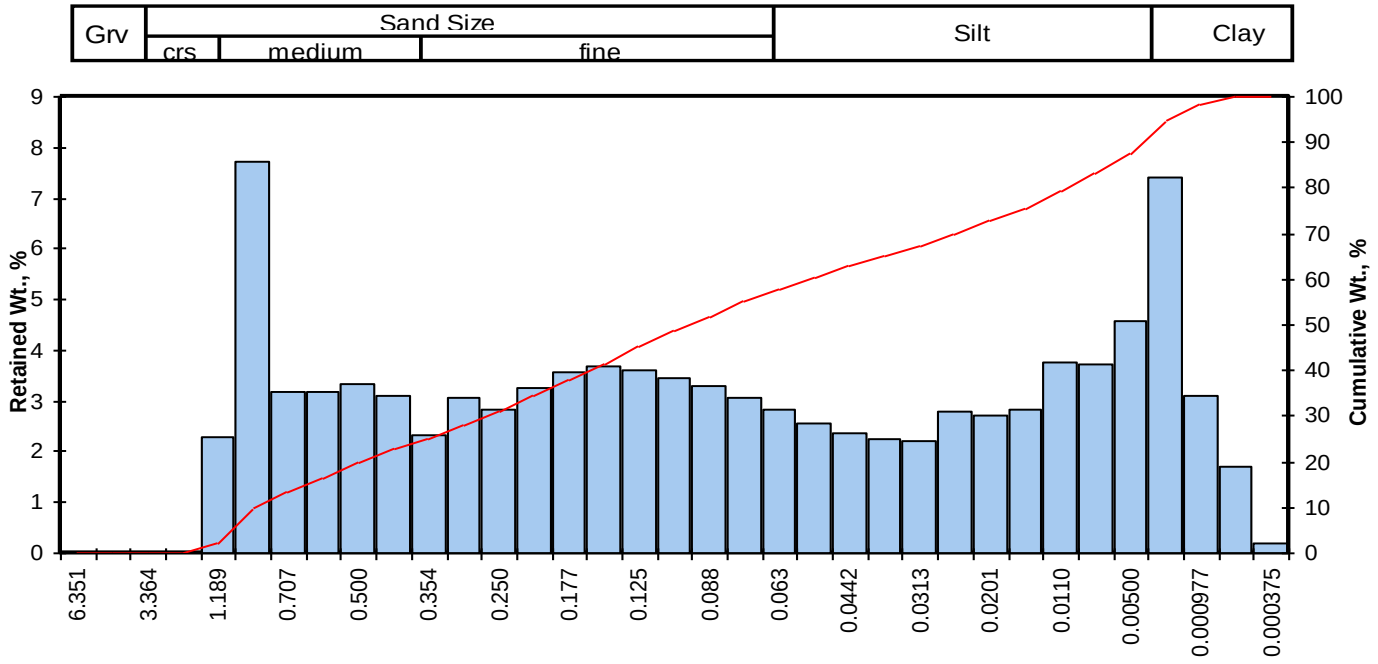
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0383-SS-0.5-1.2
Project No:	32594-455	**Depth, ft:**	0.9



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	2.29	2.29	2.29
0.0331	0.841	0.25	20	7.73	7.73	10.02
0.0278	0.707	0.50	25	3.17	3.17	13.19
0.0234	0.595	0.75	30	3.19	3.19	16.38
0.0197	0.500	1.00	35	3.33	3.33	19.71
0.0166	0.420	1.25	40	3.10	3.10	22.81
0.0139	0.354	1.50	45	2.32	2.32	25.13
0.0117	0.297	1.75	50	3.07	3.07	28.20
0.0098	0.250	2.00	60	2.85	2.85	31.05
0.0083	0.210	2.25	70	3.24	3.24	34.29
0.0070	0.177	2.50	80	3.55	3.55	37.84
0.0059	0.149	2.75	100	3.69	3.69	41.53
0.0049	0.125	3.00	120	3.61	3.61	45.14
0.0041	0.105	3.25	140	3.45	3.45	48.59
0.0035	0.088	3.50	170	3.29	3.29	51.88
0.0029	0.074	3.75	200	3.08	3.08	54.96
0.0025	0.063	4.00	230	2.82	2.82	57.78
0.0021	0.053	4.25	270	2.57	2.57	60.35
0.00174	0.0442	4.50	325	2.38	2.38	62.73
0.00146	0.0372	4.75	400	2.26	2.26	64.99
0.00123	0.0313	5.00	450	2.21	2.21	67.20
0.000986	0.0250	5.32	500	2.79	2.79	69.99
0.000790	0.0201	5.64	635	2.73	2.73	72.72
0.000615	0.0156	6.00		2.85	2.85	75.57
0.000435	0.0110	6.50		3.76	3.76	79.33
0.000308	0.00781	7.00		3.71	3.71	83.04
0.000197	0.00500	7.65		4.56	4.56	87.60
0.000077	0.00195	9.00		7.41	7.41	95.01
0.000038	0.000977	10.00		3.12	3.12	98.13
0.000019	0.000488	11.00		1.69	1.69	99.82
0.000015	0.000375	11.38		0.18	0.18	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-0.07	0.0415	1.053
10	0.25	0.0331	0.842
16	0.72	0.0239	0.607
25	1.49	0.0141	0.357
40	2.65	0.0063	0.160
50	3.36	0.0038	0.098
60	4.22	0.0021	0.054
75	5.93	0.0006	0.016
84	7.14	0.0003	0.007
90	8.08	0.0001	0.004
95	9.00	0.0001	0.002

Measure	Trask	Inman	Folk-Ward
Median, phi	3.36	3.36	3.36
Median, in.	0.0038	0.0038	0.0038
Median, mm	0.098	0.098	0.098
Mean, phi	2.42	3.93	3.74
Mean, in.	0.0074	0.0026	0.0030
Mean, mm	0.187	0.066	0.075
Sorting	4.662	3.208	2.979
Skewness	0.785	0.178	0.211
Kurtosis	0.203	0.414	0.837

Grain Size Description (ASTM-USCS Scale)	Fine sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	22.81
Fine Sand	200	32.15
Silt	>0.005 mm	32.64
Clay	<0.005 mm	12.40
	Total	**100**

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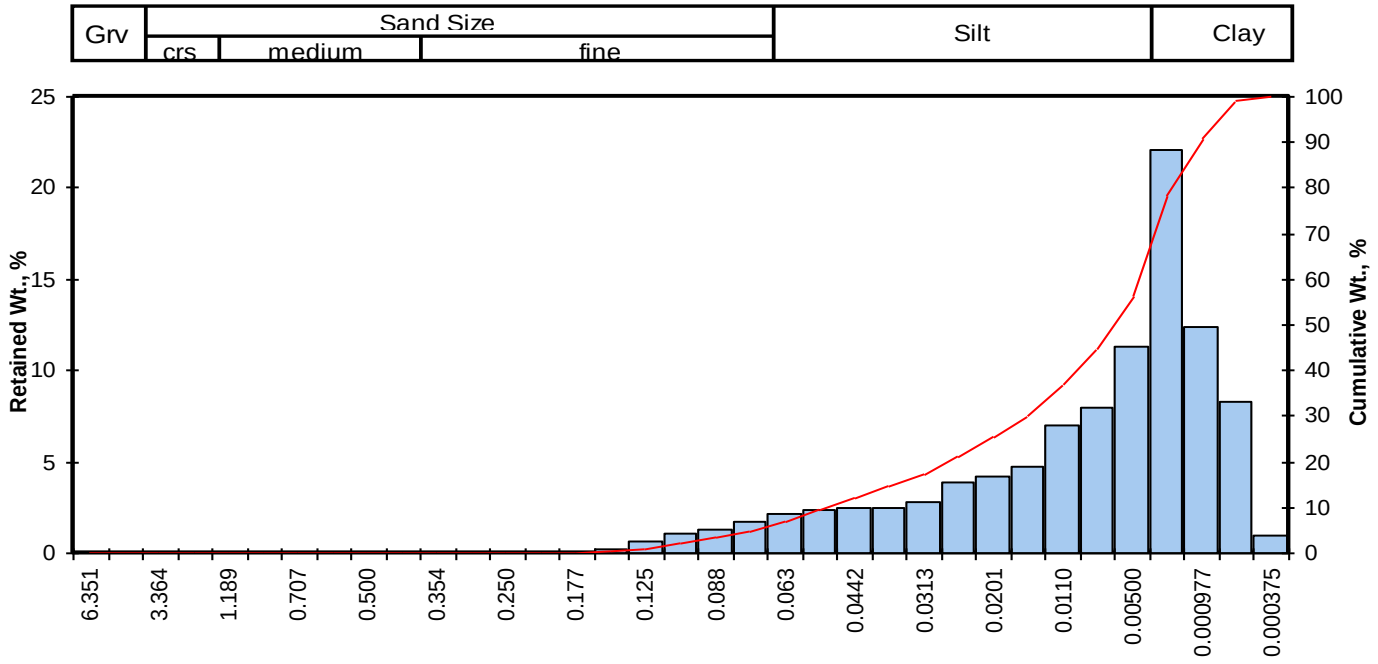
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0383-SS-1.5-2.5
Project No:	32594-455	**Depth, ft:**	1.85



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.00	0.00	0.00
0.0083	0.210	2.25	70	0.00	0.00	0.00
0.0070	0.177	2.50	80	0.01	0.01	0.01
0.0059	0.149	2.75	100	0.21	0.21	0.22
0.0049	0.125	3.00	120	0.70	0.70	0.92
0.0041	0.105	3.25	140	1.05	1.05	1.97
0.0035	0.088	3.50	170	1.28	1.28	3.25
0.0029	0.074	3.75	200	1.68	1.68	4.93
0.0025	0.063	4.00	230	2.15	2.15	7.08
0.0021	0.053	4.25	270	2.40	2.40	9.48
0.00174	0.0442	4.50	325	2.45	2.45	11.93
0.00146	0.0372	4.75	400	2.53	2.53	14.46
0.00123	0.0313	5.00	450	2.75	2.75	17.21
0.000986	0.0250	5.32	500	3.87	3.87	21.08
0.000790	0.0201	5.64	635	4.16	4.16	25.24
0.000615	0.0156	6.00		4.72	4.72	29.96
0.000435	0.0110	6.50		7.00	7.00	36.96
0.000308	0.00781	7.00		8.01	8.01	44.97
0.000197	0.00500	7.65		11.30	11.30	56.26
0.000077	0.00195	9.00		22.10	22.10	78.36
0.000038	0.000977	10.00		12.40	12.40	90.76
0.000019	0.000488	11.00		8.30	8.30	99.06
0.000015	0.000375	11.38		0.94	0.94	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	3.76	0.0029	0.074
10	4.30	0.0020	0.051
16	4.89	0.0013	0.034
25	5.62	0.0008	0.020
40	6.69	0.0004	0.010
50	7.29	0.0003	0.006
60	7.87	0.0002	0.004
75	8.79	0.0001	0.002
84	9.45	0.0001	0.001
90	9.94	0.0000	0.001
95	10.51	0.0000	0.001

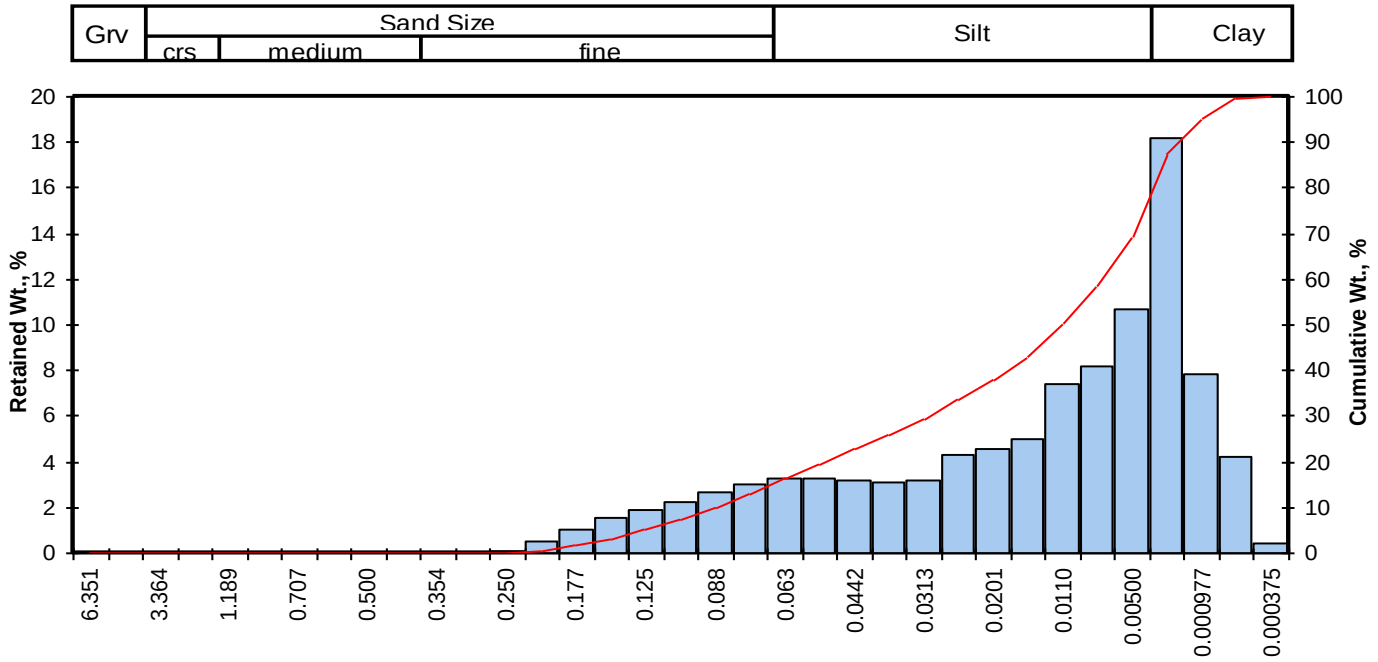
Measure	Trask	Inman	Folk-Ward
Median, phi	7.29	7.29	7.29
Median, in.	0.0003	0.0003	0.0003
Median, mm	0.006	0.006	0.006
Mean, phi	6.47	7.17	7.21
Mean, in.	0.0004	0.0003	0.0003
Mean, mm	0.011	0.007	0.007
Sorting	3.002	2.282	2.164
Skewness	1.057	-0.050	-0.048
Kurtosis	0.182	0.479	0.872
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	4.93
Silt	>0.005 mm	51.33
Clay	<0.005 mm	43.74
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0383-SS-10.5-12-01
Project No:	32594-455	**Depth, ft:**	10.85



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.10	0.10	0.10
0.0083	0.210	2.25	70	0.48	0.48	0.58
0.0070	0.177	2.50	80	1.04	1.04	1.62
0.0059	0.149	2.75	100	1.54	1.54	3.16
0.0049	0.125	3.00	120	1.88	1.88	5.04
0.0041	0.105	3.25	140	2.23	2.23	7.27
0.0035	0.088	3.50	170	2.65	2.65	9.92
0.0029	0.074	3.75	200	3.05	3.05	12.97
0.0025	0.063	4.00	230	3.29	3.29	16.26
0.0021	0.053	4.25	270	3.30	3.30	19.56
0.00174	0.0442	4.50	325	3.21	3.21	22.77
0.00146	0.0372	4.75	400	3.14	3.14	25.90
0.00123	0.0313	5.00	450	3.21	3.21	29.11
0.000986	0.0250	5.32	500	4.34	4.34	33.45
0.000790	0.0201	5.64	635	4.54	4.54	37.99
0.000615	0.0156	6.00		5.02	5.02	43.01
0.000435	0.0110	6.50		7.39	7.39	50.40
0.000308	0.00781	7.00		8.15	8.15	58.54
0.000197	0.00500	7.65		10.70	10.70	69.24
0.000077	0.00195	9.00		18.20	18.19	87.43
0.000038	0.000977	10.00		7.89	7.89	95.32
0.000019	0.000488	11.00		4.23	4.23	99.55
0.000015	0.000375	11.38		0.45	0.45	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	2.99	0.0049	0.125
10	3.51	0.0035	0.088
16	3.98	0.0025	0.063
25	4.68	0.0015	0.039
40	5.78	0.0007	0.018
50	6.47	0.0004	0.011
60	7.09	0.0003	0.007
75	8.07	0.0001	0.004
84	8.74	0.0001	0.002
90	9.33	0.0001	0.002
95	9.96	0.0000	0.001

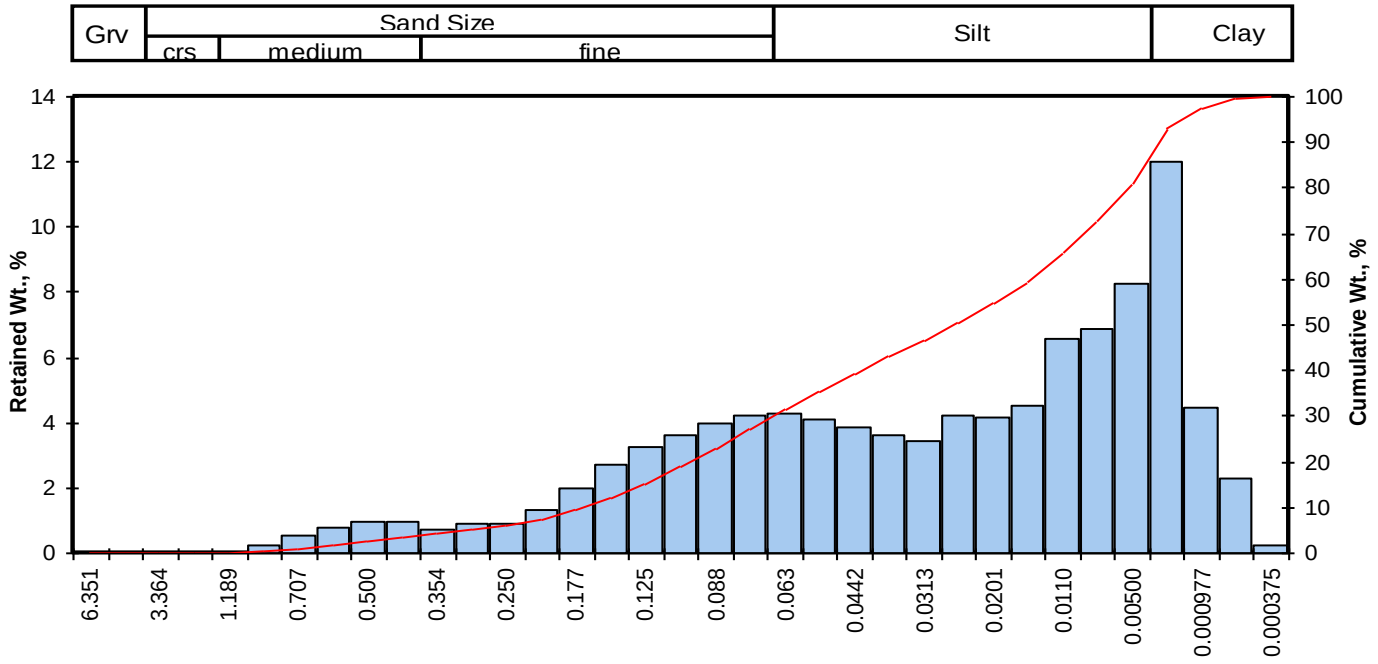
Measure	Trask	Inman	Folk-Ward
Median, phi	6.47	6.47	6.47
Median, in.	0.0004	0.0004	0.0004
Median, mm	0.011	0.011	0.011
Mean, phi	5.55	6.36	6.40
Mean, in.	0.0008	0.0005	0.0005
Mean, mm	0.021	0.012	0.012
Sorting	3.245	2.382	2.246
Skewness	1.070	-0.047	-0.023
Kurtosis	0.205	0.462	0.841
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	12.97
Silt	>0.005 mm	56.27
Clay	<0.005 mm	30.76
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0383-SS-005-006-01
Project No:	32594-455	**Depth, ft:**	5.35



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.22	0.22	0.22
0.0278	0.707	0.50	25	0.55	0.55	0.77
0.0234	0.595	0.75	30	0.77	0.77	1.54
0.0197	0.500	1.00	35	0.95	0.95	2.49
0.0166	0.420	1.25	40	0.98	0.98	3.47
0.0139	0.354	1.50	45	0.73	0.73	4.20
0.0117	0.297	1.75	50	0.90	0.90	5.10
0.0098	0.250	2.00	60	0.90	0.90	6.00
0.0083	0.210	2.25	70	1.33	1.33	7.33
0.0070	0.177	2.50	80	1.98	1.98	9.31
0.0059	0.149	2.75	100	2.71	2.71	12.02
0.0049	0.125	3.00	120	3.23	3.23	15.25
0.0041	0.105	3.25	140	3.61	3.61	18.86
0.0035	0.088	3.50	170	3.97	3.97	22.83
0.0029	0.074	3.75	200	4.24	4.24	27.08
0.0025	0.063	4.00	230	4.30	4.30	31.38
0.0021	0.053	4.25	270	4.12	4.12	35.50
0.00174	0.0442	4.50	325	3.85	3.85	39.35
0.00146	0.0372	4.75	400	3.60	3.60	42.95
0.00123	0.0313	5.00	450	3.43	3.43	46.38
0.000986	0.0250	5.32	500	4.24	4.24	50.62
0.000790	0.0201	5.64	635	4.14	4.14	54.76
0.000615	0.0156	6.00		4.53	4.53	59.29
0.000435	0.0110	6.50		6.56	6.56	65.85
0.000308	0.00781	7.00		6.85	6.85	72.70
0.000197	0.00500	7.65		8.27	8.27	80.98
0.000077	0.00195	9.00		12.00	12.00	92.98
0.000038	0.000977	10.00		4.47	4.47	97.45
0.000019	0.000488	11.00		2.31	2.31	99.76
0.000015	0.000375	11.38		0.24	0.24	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	1.72	0.0119	0.303
10	2.56	0.0067	0.169
16	3.05	0.0047	0.121
25	3.63	0.0032	0.081
40	4.55	0.0017	0.043
50	5.27	0.0010	0.026
60	6.05	0.0006	0.015
75	7.18	0.0003	0.007
84	7.99	0.0002	0.004
90	8.66	0.0001	0.002
95	9.45	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.27	5.27	5.27
Median, in.	0.0010	0.0010	0.0010
Median, mm	0.026	0.026	0.026
Mean, phi	4.51	5.52	5.44
Mean, in.	0.0017	0.0009	0.0009
Mean, mm	0.044	0.022	0.023
Sorting	3.424	2.467	2.405
Skewness	0.914	0.100	0.090
Kurtosis	0.222	0.567	0.892

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	3.47
Fine Sand	200	23.60
Silt	>0.005 mm	53.90
Clay	<0.005 mm	19.02
	Total	**100**

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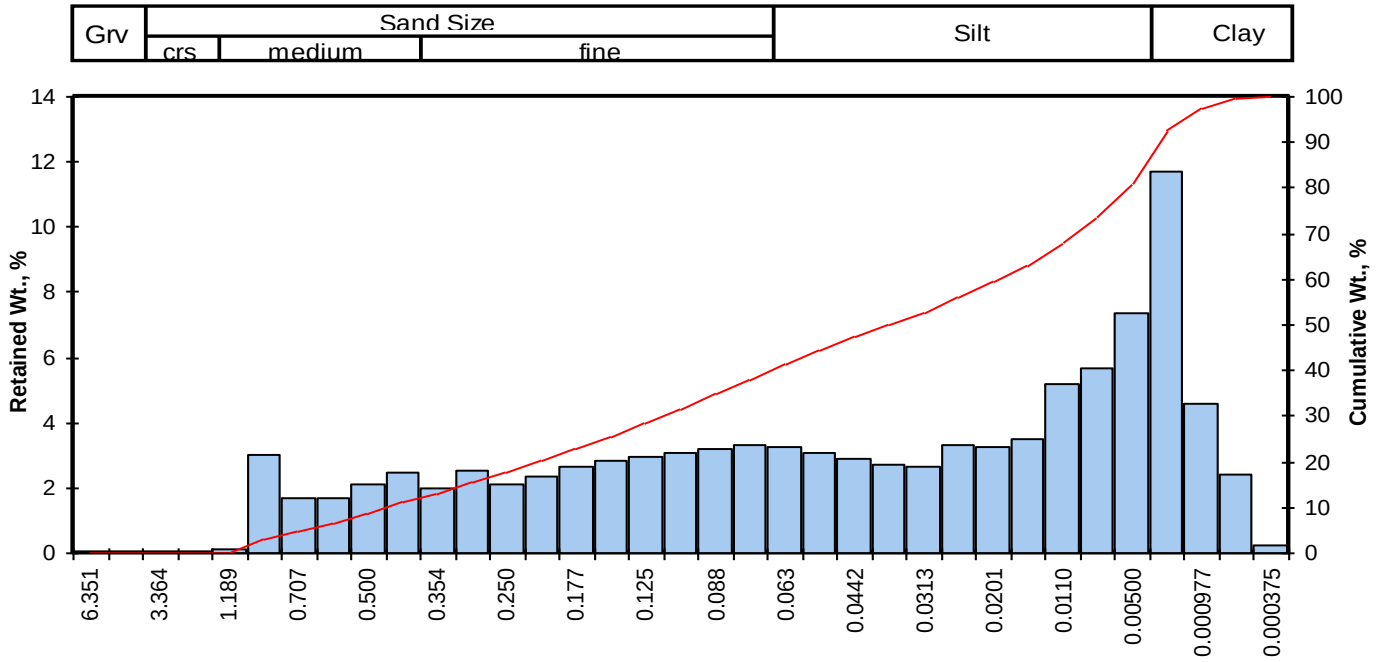
PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0379-SS-2-3-01
Project No:	32594-455	**Depth, ft:**	2.35



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.10	0.10	0.10
0.0331	0.841	0.25	20	3.00	3.00	3.10
0.0278	0.707	0.50	25	1.68	1.68	4.78
0.0234	0.595	0.75	30	1.68	1.68	6.46
0.0197	0.500	1.00	35	2.14	2.14	8.60
0.0166	0.420	1.25	40	2.47	2.47	11.07
0.0139	0.354	1.50	45	2.01	2.01	13.08
0.0117	0.297	1.75	50	2.53	2.53	15.61
0.0098	0.250	2.00	60	2.14	2.14	17.75
0.0083	0.210	2.25	70	2.37	2.37	20.12
0.0070	0.177	2.50	80	2.65	2.65	22.77
0.0059	0.149	2.75	100	2.85	2.85	25.63
0.0049	0.125	3.00	120	2.95	2.95	28.58
0.0041	0.105	3.25	140	3.06	3.06	31.64
0.0035	0.088	3.50	170	3.20	3.20	34.84
0.0029	0.074	3.75	200	3.30	3.30	38.14
0.0025	0.063	4.00	230	3.26	3.26	41.40
0.0021	0.053	4.25	270	3.10	3.10	44.50
0.00174	0.0442	4.50	325	2.91	2.91	47.41
0.00146	0.0372	4.75	400	2.74	2.74	50.15
0.00123	0.0313	5.00	450	2.64	2.64	52.79
0.000986	0.0250	5.32	500	3.29	3.29	56.08
0.000790	0.0201	5.64	635	3.23	3.23	59.31
0.000615	0.0156	6.00		3.51	3.51	62.82
0.000435	0.0110	6.50		5.18	5.18	68.00
0.000308	0.00781	7.00		5.70	5.70	73.70
0.000197	0.00500	7.65		7.37	7.37	81.08
0.000077	0.00195	9.00		11.70	11.70	92.78
0.000038	0.000977	10.00		4.57	4.57	97.35
0.000019	0.000488	11.00		2.40	2.40	99.75
0.000015	0.000375	11.38		0.25	0.25	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than

Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	0.53	0.0272	0.691
10	1.14	0.0178	0.453
16	1.80	0.0113	0.288
25	2.70	0.0061	0.154
40	3.89	0.0027	0.067
50	4.74	0.0015	0.038
60	5.71	0.0008	0.019
75	7.11	0.0003	0.007
84	7.98	0.0002	0.004
90	8.68	0.0001	0.002
95	9.49	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	4.74	4.74	4.74
Median, in.	0.0015	0.0015	0.0015
Median, mm	0.038	0.038	0.038
Mean, phi	3.63	4.89	4.84
Mean, in.	0.0032	0.0013	0.0014
Mean, mm	0.081	0.034	0.035
Sorting	4.624	3.094	2.904
Skewness	0.890	0.049	0.055
Kurtosis	0.163	0.447	0.831

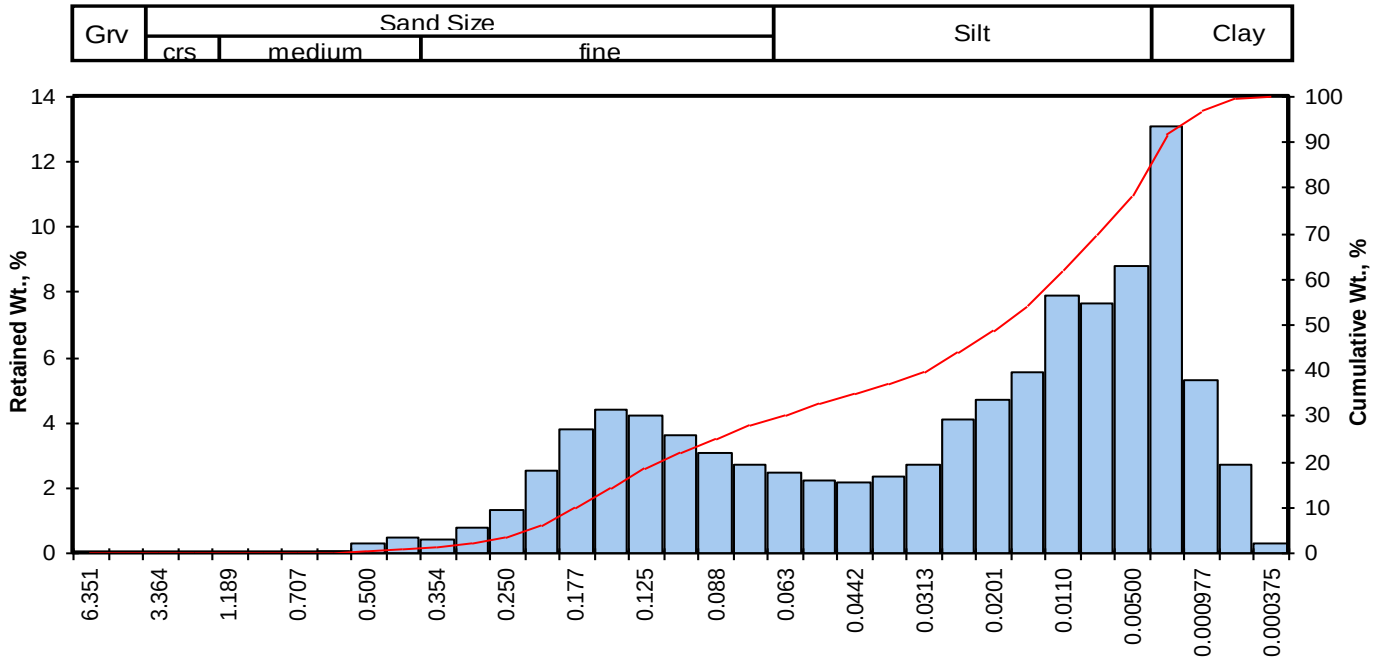
Grain Size Description (ASTM-USCS Scale)	Fine sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	11.07
Fine Sand	200	27.07
Silt	>0.005 mm	42.94
Clay	<0.005 mm	18.92
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0379-SS-7-8
Project No:	32594-455	**Depth, ft:**	7.4



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.06	0.06	0.06
0.0197	0.500	1.00	35	0.31	0.31	0.37
0.0166	0.420	1.25	40	0.51	0.51	0.88
0.0139	0.354	1.50	45	0.45	0.45	1.33
0.0117	0.297	1.75	50	0.77	0.77	2.10
0.0098	0.250	2.00	60	1.33	1.33	3.43
0.0083	0.210	2.25	70	2.55	2.55	5.98
0.0070	0.177	2.50	80	3.80	3.80	9.78
0.0059	0.149	2.75	100	4.43	4.43	14.21
0.0049	0.125	3.00	120	4.21	4.21	18.42
0.0041	0.105	3.25	140	3.63	3.63	22.05
0.0035	0.088	3.50	170	3.10	3.10	25.15
0.0029	0.074	3.75	200	2.74	2.74	27.89
0.0025	0.063	4.00	230	2.47	2.47	30.36
0.0021	0.053	4.25	270	2.25	2.25	32.61
0.00174	0.0442	4.50	325	2.18	2.18	34.79
0.00146	0.0372	4.75	400	2.33	2.33	37.12
0.00123	0.0313	5.00	450	2.70	2.70	39.82
0.000986	0.0250	5.32	500	4.08	4.08	43.90
0.000790	0.0201	5.64	635	4.71	4.71	48.61
0.000615	0.0156	6.00		5.53	5.53	54.14
0.000435	0.0110	6.50		7.91	7.91	62.05
0.000308	0.00781	7.00		7.69	7.69	69.74
0.000197	0.00500	7.65		8.83	8.83	78.57
0.000077	0.00195	9.00		13.10	13.10	91.67
0.000038	0.000977	10.00		5.31	5.31	96.98
0.000019	0.000488	11.00		2.74	2.74	99.72
0.000015	0.000375	11.38		0.28	0.28	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	2.15	0.0088	0.225
10	2.51	0.0069	0.175
16	2.86	0.0054	0.138
25	3.49	0.0035	0.089
40	5.01	0.0012	0.031
50	5.73	0.0007	0.019
60	6.37	0.0005	0.012
75	7.38	0.0002	0.006
84	8.21	0.0001	0.003
90	8.83	0.0001	0.002
95	9.63	0.0000	0.001

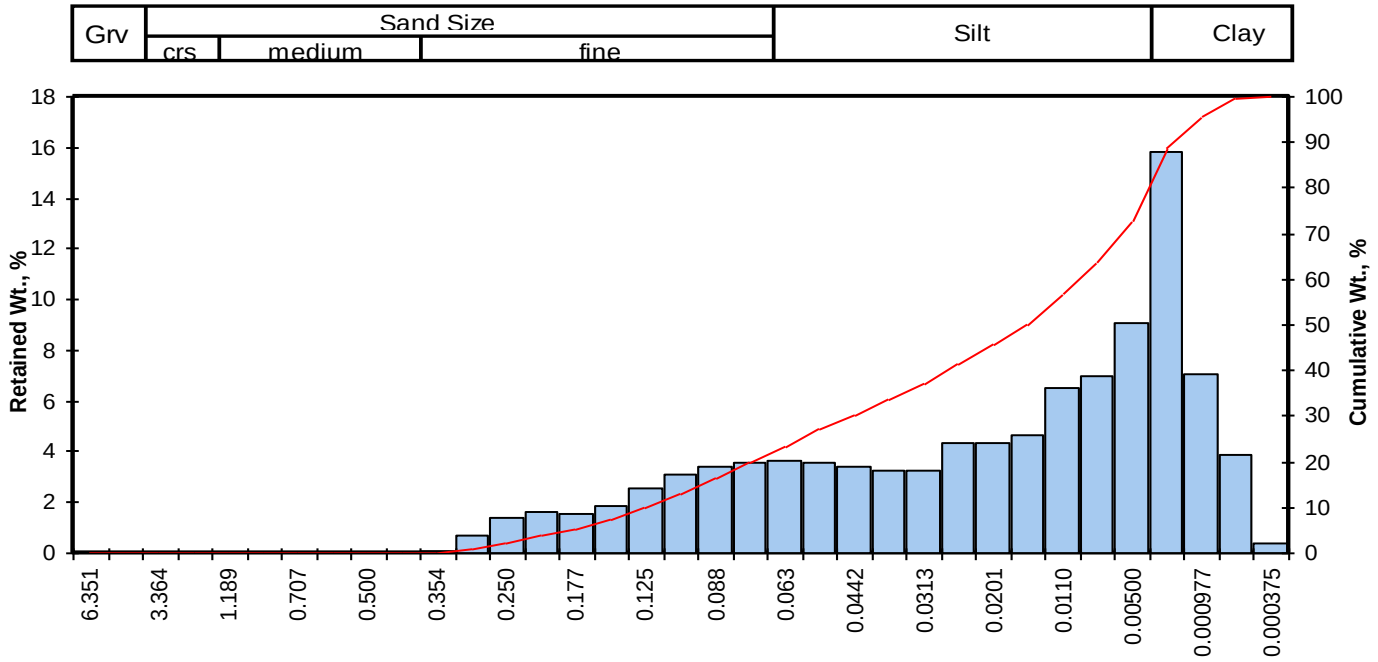
Measure	Trask	Inman	Folk-Ward
Median, phi	5.73	5.73	5.73
Median, in.	0.0007	0.0007	0.0007
Median, mm	0.019	0.019	0.019
Mean, phi	4.39	5.53	5.60
Mean, in.	0.0019	0.0009	0.0008
Mean, mm	0.048	0.022	0.021
Sorting	3.859	2.675	2.470
Skewness	1.226	-0.074	-0.016
Kurtosis	0.240	0.397	0.786
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.88
Fine Sand	200	27.01
Silt	>0.005 mm	50.68
Clay	<0.005 mm	21.43
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0379-SS-11.5-13
Project No:	32594-455	**Depth, ft:**	11.9



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.06	0.06	0.06
0.0117	0.297	1.75	50	0.68	0.68	0.74
0.0098	0.250	2.00	60	1.38	1.38	2.12
0.0083	0.210	2.25	70	1.60	1.60	3.72
0.0070	0.177	2.50	80	1.53	1.53	5.24
0.0059	0.149	2.75	100	1.90	1.90	7.14
0.0049	0.125	3.00	120	2.59	2.59	9.73
0.0041	0.105	3.25	140	3.10	3.10	12.83
0.0035	0.088	3.50	170	3.38	3.38	16.21
0.0029	0.074	3.75	200	3.55	3.55	19.76
0.0025	0.063	4.00	230	3.63	3.63	23.39
0.0021	0.053	4.25	270	3.57	3.57	26.95
0.00174	0.0442	4.50	325	3.41	3.41	30.36
0.00146	0.0372	4.75	400	3.27	3.27	33.63
0.00123	0.0313	5.00	450	3.27	3.27	36.90
0.000986	0.0250	5.32	500	4.31	4.31	41.21
0.000790	0.0201	5.64	635	4.35	4.35	45.56
0.000615	0.0156	6.00		4.65	4.65	50.20
0.000435	0.0110	6.50		6.55	6.55	56.75
0.000308	0.00781	7.00		6.99	6.99	63.74
0.000197	0.00500	7.65		9.09	9.09	72.82
0.000077	0.00195	9.00		15.80	15.79	88.62
0.000038	0.000977	10.00		7.10	7.10	95.71
0.000019	0.000488	11.00		3.88	3.88	99.59
0.000015	0.000375	11.38		0.41	0.41	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	2.46	0.0072	0.182
10	3.02	0.0048	0.123
16	3.48	0.0035	0.089
25	4.11	0.0023	0.058
40	5.23	0.0010	0.027
50	5.98	0.0006	0.016
60	6.73	0.0004	0.009
75	7.83	0.0002	0.004
84	8.60	0.0001	0.003
90	9.20	0.0001	0.002
95	9.90	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.98	5.98	5.98
Median, in.	0.0006	0.0006	0.0006
Median, mm	0.016	0.016	0.016
Mean, phi	5.01	6.04	6.02
Mean, in.	0.0012	0.0006	0.0006
Mean, mm	0.031	0.015	0.015
Sorting	3.628	2.560	2.407
Skewness	1.008	0.023	0.038
Kurtosis	0.220	0.453	0.820
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	19.76
Silt	>0.005 mm	53.07
Clay	<0.005 mm	27.18
	Total	**100**

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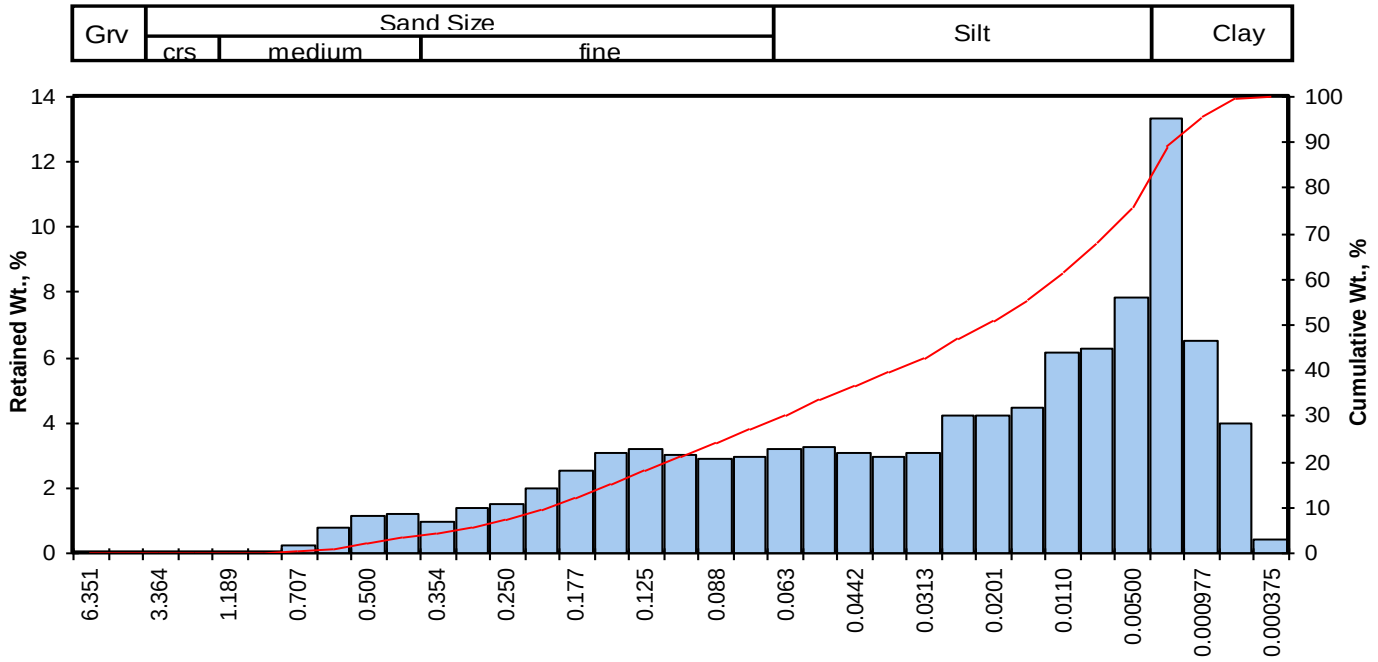
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0391-SS-0.5-1.5
Project No:	32594-455	**Depth, ft:**	0.9



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.01	0.01	0.01
0.0278	0.707	0.50	25	0.23	0.23	0.24
0.0234	0.595	0.75	30	0.78	0.78	1.02
0.0197	0.500	1.00	35	1.15	1.15	2.18
0.0166	0.420	1.25	40	1.23	1.23	3.41
0.0139	0.354	1.50	45	0.97	0.97	4.38
0.0117	0.297	1.75	50	1.40	1.40	5.78
0.0098	0.250	2.00	60	1.52	1.52	7.30
0.0083	0.210	2.25	70	2.01	2.01	9.31
0.0070	0.177	2.50	80	2.56	2.56	11.87
0.0059	0.149	2.75	100	3.06	3.06	14.93
0.0049	0.125	3.00	120	3.22	3.22	18.15
0.0041	0.105	3.25	140	3.04	3.04	21.20
0.0035	0.088	3.50	170	2.87	2.87	24.07
0.0029	0.074	3.75	200	2.98	2.98	27.05
0.0025	0.063	4.00	230	3.21	3.21	30.26
0.0021	0.053	4.25	270	3.24	3.24	33.50
0.00174	0.0442	4.50	325	3.05	3.05	36.55
0.00146	0.0372	4.75	400	2.94	2.94	39.50
0.00123	0.0313	5.00	450	3.07	3.07	42.57
0.000986	0.0250	5.32	500	4.20	4.20	46.77
0.000790	0.0201	5.64	635	4.25	4.25	51.02
0.000615	0.0156	6.00		4.48	4.48	55.51
0.000435	0.0110	6.50		6.13	6.13	61.64
0.000308	0.00781	7.00		6.26	6.26	67.90
0.000197	0.00500	7.65		7.85	7.85	75.76
0.000077	0.00195	9.00		13.30	13.31	89.06
0.000038	0.000977	10.00		6.49	6.49	95.56
0.000019	0.000488	11.00		4.00	4.00	99.56
0.000015	0.000375	11.38		0.44	0.44	100.00
TOTALS				**99.90**	**100.00**	**100.00**

Cumulative Weight Percent greater than

Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	1.61	0.0129	0.327
10	2.32	0.0079	0.201
16	2.83	0.0055	0.140
25	3.58	0.0033	0.084
40	4.79	0.0014	0.036
50	5.56	0.0008	0.021
60	6.37	0.0005	0.012
75	7.58	0.0002	0.005
84	8.48	0.0001	0.003
90	9.14	0.0001	0.002
95	9.91	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.56	5.56	5.56
Median, in.	0.0008	0.0008	0.0008
Median, mm	0.021	0.021	0.021
Mean, phi	4.49	5.66	5.63
Mean, in.	0.0018	0.0008	0.0008
Mean, mm	0.044	0.020	0.020
Sorting	4.007	2.826	2.671
Skewness	0.988	0.034	0.041
Kurtosis	0.197	0.469	0.850

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	3.41
Fine Sand	200	23.64
Silt	>0.005 mm	48.71
Clay	<0.005 mm	24.24
	Total	**100**

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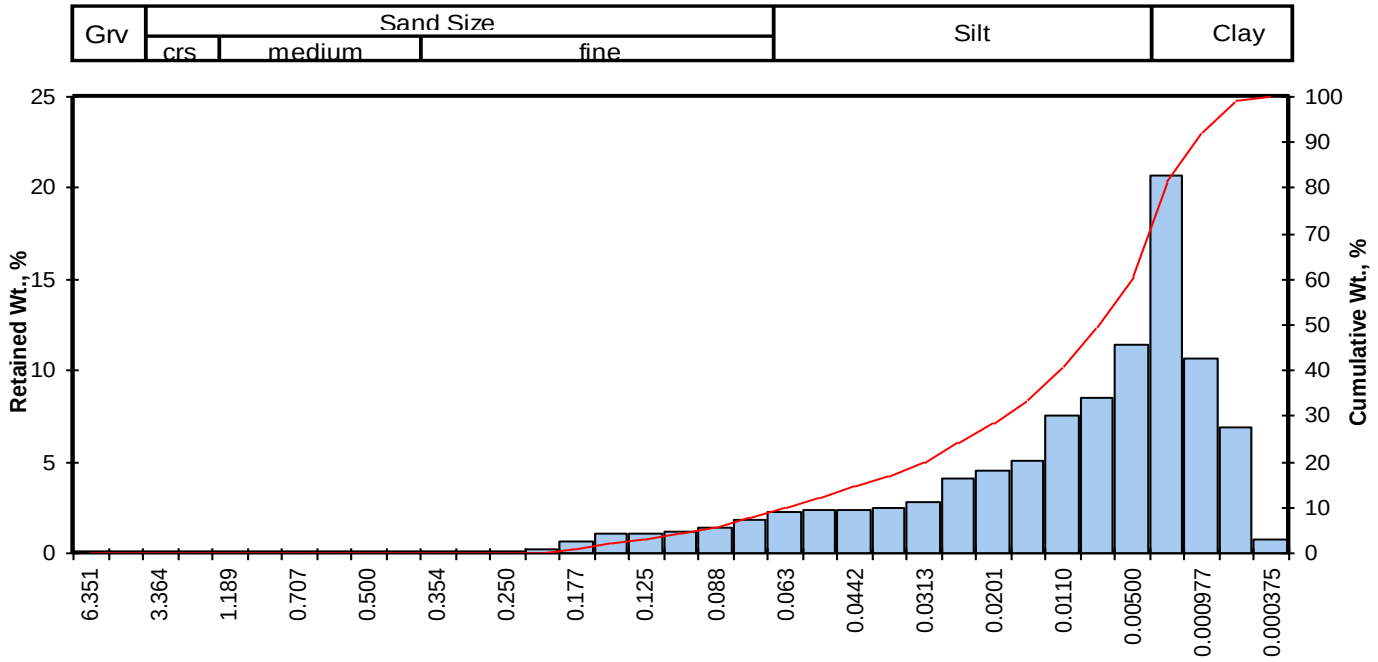
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0391-SS-1.5-3
Project No:	32594-455	**Depth, ft:**	1.9



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.01	0.01	0.01
0.0083	0.210	2.25	70	0.17	0.17	0.18
0.0070	0.177	2.50	80	0.70	0.70	0.88
0.0059	0.149	2.75	100	1.12	1.12	2.00
0.0049	0.125	3.00	120	1.13	1.13	3.13
0.0041	0.105	3.25	140	1.14	1.14	4.27
0.0035	0.088	3.50	170	1.42	1.42	5.69
0.0029	0.074	3.75	200	1.88	1.88	7.57
0.0025	0.063	4.00	230	2.25	2.25	9.82
0.0021	0.053	4.25	270	2.36	2.36	12.18
0.00174	0.0442	4.50	325	2.36	2.36	14.54
0.00146	0.0372	4.75	400	2.48	2.48	17.02
0.00123	0.0313	5.00	450	2.81	2.81	19.83
0.000986	0.0250	5.32	500	4.14	4.14	23.97
0.000790	0.0201	5.64	635	4.48	4.48	28.45
0.000615	0.0156	6.00		5.01	5.01	33.47
0.000435	0.0110	6.50		7.57	7.57	41.04
0.000308	0.00781	7.00		8.50	8.50	49.54
0.000197	0.00500	7.65		11.40	11.40	60.94
0.000077	0.00195	9.00		20.70	20.70	81.65
0.000038	0.000977	10.00		10.70	10.70	92.35
0.000019	0.000488	11.00		6.88	6.88	99.23
0.000015	0.000375	11.38		0.77	0.77	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	3.38	0.0038	0.096
10	4.02	0.0024	0.062
16	4.65	0.0016	0.040
25	5.39	0.0009	0.024
40	6.43	0.0005	0.012
50	7.03	0.0003	0.008
60	7.59	0.0002	0.005
75	8.57	0.0001	0.003
84	9.22	0.0001	0.002
90	9.78	0.0000	0.001
95	10.39	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	7.03	7.03	7.03
Median, in.	0.0003	0.0003	0.0003
Median, mm	0.008	0.008	0.008
Mean, phi	6.24	6.93	6.96
Mean, in.	0.0005	0.0003	0.0003
Mean, mm	0.013	0.008	0.008
Sorting	3.002	2.286	2.205
Skewness	1.033	-0.041	-0.041
Kurtosis	0.175	0.532	0.905
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	7.57
Silt	>0.005 mm	53.37
Clay	<0.005 mm	39.06
	Total	**100**

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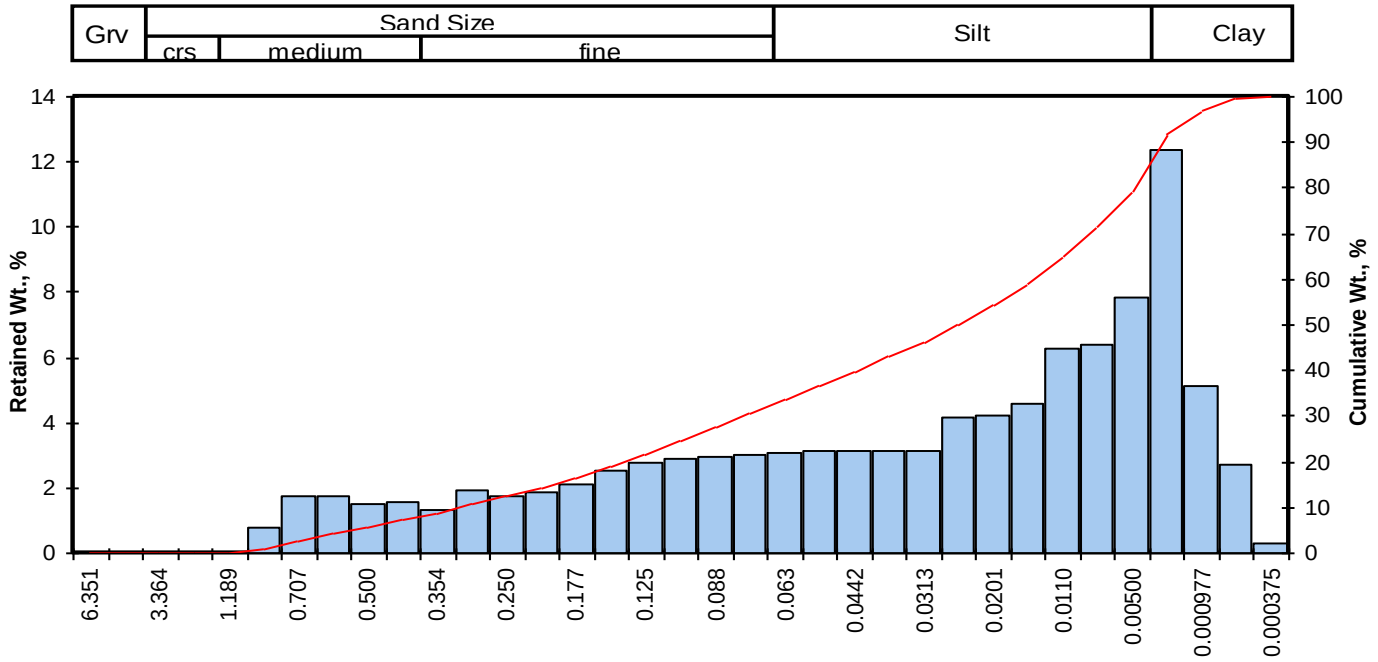
Particle Size Analysis - ASTM D4464M

Client:	Haley & Aldrich, Inc.	**PTS File No:**	45385
Project:	UTC Canoga Park	**Sample ID:**	DP0391-SS-6.25-7.5
Project No:	32594-455	**Depth, ft:**	6.65



Opening		Phi of	U.S.	Sample Weight,	Increment Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.79	0.79	0.79
0.0278	0.707	0.50	25	1.72	1.72	2.51
0.0234	0.595	0.75	30	1.74	1.74	4.25
0.0197	0.500	1.00	35	1.53	1.53	5.78
0.0166	0.420	1.25	40	1.54	1.54	7.32
0.0139	0.354	1.50	45	1.35	1.35	8.67
0.0117	0.297	1.75	50	1.96	1.96	10.63
0.0098	0.250	2.00	60	1.75	1.75	12.38
0.0083	0.210	2.25	70	1.88	1.88	14.26
0.0070	0.177	2.50	80	2.14	2.14	16.40
0.0059	0.149	2.75	100	2.51	2.51	18.91
0.0049	0.125	3.00	120	2.77	2.77	21.68
0.0041	0.105	3.25	140	2.87	2.87	24.55
0.0035	0.088	3.50	170	2.93	2.93	27.48
0.0029	0.074	3.75	200	3.01	3.01	30.49
0.0025	0.063	4.00	230	3.08	3.08	33.57
0.0021	0.053	4.25	270	3.11	3.11	36.68
0.00174	0.0442	4.50	325	3.12	3.12	39.80
0.00146	0.0372	4.75	400	3.11	3.11	42.91
0.00123	0.0313	5.00	450	3.15	3.15	46.06
0.000986	0.0250	5.32	500	4.15	4.15	50.20
0.000790	0.0201	5.64	635	4.24	4.24	54.44
0.000615	0.0156	6.00		4.57	4.57	59.01
0.000435	0.0110	6.50		6.28	6.28	65.29
0.000308	0.00781	7.00		6.38	6.38	71.67
0.000197	0.00500	7.65		7.83	7.83	79.50
0.000077	0.00195	9.00		12.40	12.40	91.90
0.000038	0.000977	10.00		5.12	5.12	97.02
0.000019	0.000488	11.00		2.70	2.70	99.72
0.000015	0.000375	11.38		0.28	0.28	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	0.87	0.0215	0.546
10	1.67	0.0124	0.314
16	2.45	0.0072	0.183
25	3.29	0.0040	0.102
40	4.52	0.0017	0.044
50	5.30	0.0010	0.025
60	6.08	0.0006	0.015
75	7.27	0.0003	0.006
84	8.14	0.0001	0.004
90	8.79	0.0001	0.002
95	9.61	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.30	5.30	5.30
Median, in.	0.0010	0.0010	0.0010
Median, mm	0.025	0.025	0.025
Mean, phi	4.20	5.30	5.30
Mean, in.	0.0021	0.0010	0.0010
Mean, mm	0.054	0.025	0.025
Sorting	3.980	2.842	2.744
Skewness	1.016	-0.003	-0.009
Kurtosis	0.154	0.537	0.898
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	7.32
Fine Sand	200	23.17
Silt	>0.005 mm	49.02
Clay	<0.005 mm	20.50
	Total	**100**

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PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422M)

PROJECT NAME: UTC Canoga Park
PROJECT NO: 32594-455

Sample ID	Depth, ft.	Mean Grain Size Description USCS/ASTM (1)	Median Grain Size, mm	Particle Size Distribution, wt. percent				
				Gravel	Sand Size			Silt/Clay
					Coarse	Medium	Fine	
DP0387-SS-0.5-1.5	0.7	Fine sand	0.176	0.21	1.53	19.19	60.71	18.36
DP0379-SS-1-2-01	1.25	Coarse sand	1.266	32.67	8.64	27.08	22.65	8.96

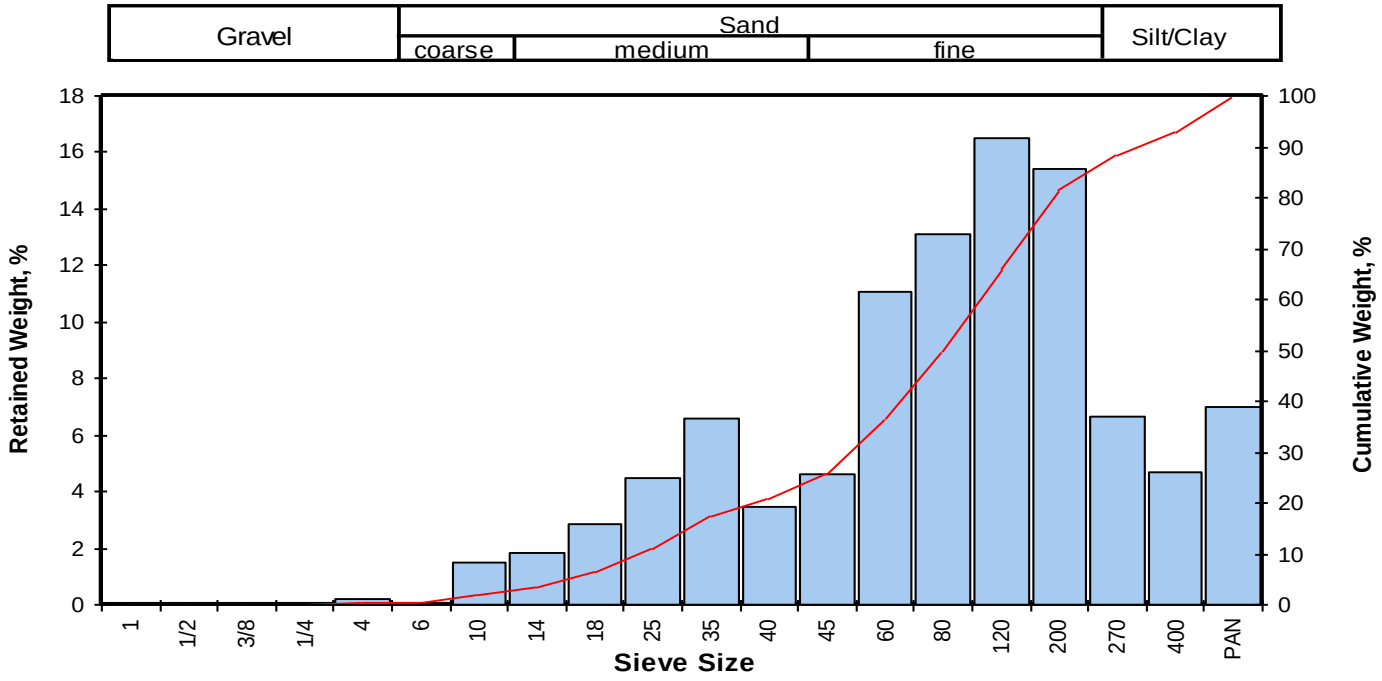
(1) Based on Mean fromTrask

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D422M

Client: Haley & Aldrich, Inc.
Project: UTC Canoga Park
Project No: 32594-455

PTS File No: 45385
Sample ID: DP0387-SS-0.5-1.5
Depth, ft: 0.7



Opening		Phi of	U.S. Sieve	Sample Weight	Incremental Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.9844	25.002	-4.64	1	0.00	0.00	0.00
0.4922	12.501	-3.64	1/2	0.00	0.00	0.00
0.3740	9.500	-3.25	3/8	0.00	0.00	0.00
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.17	0.21	0.21
0.1324	3.364	-1.75	6	0.00	0.00	0.21
0.0787	2.000	-1.00	10	1.22	1.53	1.74
0.0557	1.414	-0.50	14	1.47	1.84	3.58
0.0394	1.000	0.00	18	2.26	2.83	6.40
0.0278	0.707	0.50	25	3.57	4.46	10.86
0.0197	0.500	1.00	35	5.28	6.60	17.46
0.0166	0.420	1.25	40	2.77	3.46	20.93
0.0139	0.354	1.50	45	3.67	4.59	25.52
0.0098	0.250	2.00	60	8.86	11.08	36.59
0.0070	0.177	2.50	80	10.46	13.08	49.67
0.0049	0.125	3.00	120	13.22	16.53	66.20
0.0029	0.074	3.75	200	12.35	15.44	81.64
0.0021	0.053	4.25	270	5.34	6.68	88.31
0.0015	0.037	4.75	400	3.75	4.69	93.00
			PAN	5.60	7.00	100.00
TOTALS				79.99	100.00	100.00

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-0.25	0.0468	1.187
10	0.40	0.0298	0.756
16	0.89	0.0213	0.540
25	1.47	0.0142	0.361
40	2.13	0.0090	0.228
50	2.51	0.0069	0.176
60	2.81	0.0056	0.142
75	3.43	0.0037	0.093
84	3.93	0.0026	0.066
90	4.43	0.0018	0.046

Measure	Trask	Inman	Folk-Ward
Median, phi	2.51	2.51	2.51
Median, in.	0.0069	0.0069	0.0069
Median, mm	0.176	0.176	0.176
Mean, phi	2.14	2.41	2.44
Mean, in.	0.0089	0.0074	0.0072
Mean, mm	0.227	0.188	0.184
Sorting	1.970	1.519	
Skewness	1.043	-0.067	
Kurtosis	0.188		

Grain Size Description (ASTM-USCS Scale)	Fine sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.21
Coarse Sand	10	1.53
Medium Sand	40	19.19
Fine Sand	200	60.71
Silt/Clay	<200	18.36
	Total	100

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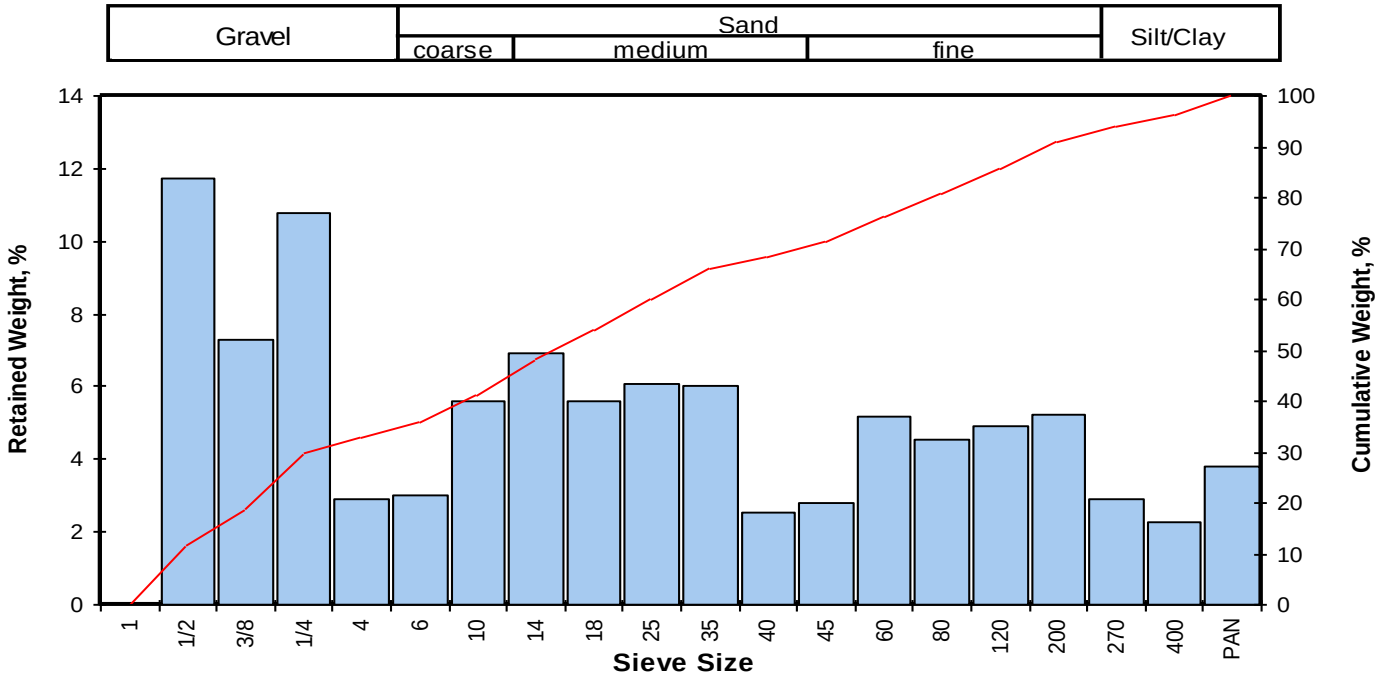
PTS Laboratories, Inc.

Particle Size Analysis - ASTM D422M

Client: Haley & Aldrich, Inc.
Project: UTC Canoga Park
Project No: 32594-455

PTS File No: 45385
Sample ID: DP0379-SS-1-2-01
Depth, ft: 1.25



Opening		Phi of	U.S. Sieve	Sample Weight	Incremental Weight,	Cumulative Weight,
Inches	Millimeters	Screen	No.	grams	percent	percent
0.9844	25.002	-4.64	1	0.00	0.00	0.00
0.4922	12.501	-3.64	1/2	16.23	11.72	11.72
0.3740	9.500	-3.25	3/8	10.08	7.28	19.01
0.2500	6.351	-2.67	1/4	14.93	10.79	29.79
0.1873	4.757	-2.25	4	3.99	2.88	32.67
0.1324	3.364	-1.75	6	4.18	3.02	35.69
0.0787	2.000	-1.00	10	7.78	5.62	41.31
0.0557	1.414	-0.50	14	9.56	6.91	48.22
0.0394	1.000	0.00	18	7.72	5.58	53.80
0.0278	0.707	0.50	25	8.40	6.07	59.86
0.0197	0.500	1.00	35	8.31	6.00	65.87
0.0166	0.420	1.25	40	3.49	2.52	68.39
0.0139	0.354	1.50	45	3.89	2.81	71.20
0.0098	0.250	2.00	60	7.15	5.17	76.36
0.0070	0.177	2.50	80	6.31	4.56	80.92
0.0049	0.125	3.00	120	6.78	4.90	85.82
0.0029	0.074	3.75	200	7.23	5.22	91.04
0.0021	0.053	4.25	270	3.99	2.88	93.92
0.0015	0.037	4.75	400	3.17	2.29	96.21
			PAN	5.24	3.79	100.00
TOTALS				138.43	100.00	100.00

Cumulative Weight Percent greater than			
Weight	Phi	Particle Size	
percent	Value	Inches	Millimeters
5	-4.22	0.7324	18.604
10	-3.79	0.5450	13.843
16	-3.41	0.4189	10.640
25	-2.93	0.2990	7.595
40	-1.18	0.0889	2.258
50	-0.34	0.0498	1.266
60	0.51	0.0276	0.702
75	1.87	0.0108	0.274
84	2.81	0.0056	0.142
90	3.60	0.0032	0.082
95	4.48	0.0018	0.045

Measure	Trask	Inman	Folk-Ward
Median, phi	-0.34	-0.34	-0.34
Median, in.	0.0498	0.0498	0.0498
Median, mm	1.266	1.266	1.266
Mean, phi	-1.98	-0.30	-0.31
Mean, in.	0.1549	0.0484	0.0489
Mean, mm	3.935	1.230	1.242
Sorting	5.265	3.113	2.875
Skewness	1.139	0.013	0.061
Kurtosis	0.266	0.398	0.744

Grain Size Description (ASTM-USCS Scale)	Coarse sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	32.67
Coarse Sand	10	8.64
Medium Sand	40	27.08
Fine Sand	200	22.65
Silt/Clay	<200	8.96
	Total	100

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PTS File No: 45385
Client: Haley & Aldrich, Inc.
Report Date: 07/13/15

PTS Laboratories

ORGANIC CARBON DATA - TOC (foc)

(Methodology: Walkley-Black)

Project Name: UTC Canoga Park
Project No: 32594-455

SAMPLE ID.	DEPTH, ft.	ANALYSIS DATE	ANALYSIS TIME	SAMPLE MATRIX	TOTAL ORGANIC CARBON, mg/kg	FRACTION ORGANIC CARBON, g/g
DP0375-SS-005-006	5.35	20150710	1315	SOIL	900	9.00E-04
DP0375-SS-08.5-010	8.8	20150710	1315	SOIL	680	6.80E-04
DP0375-SS-010.5-012	10.85	20150710	1315	SOIL	1250	1.25E-03
DP0387-SS-0.5-1.5	0.65	20150710	1315	SOIL	900	9.00E-04
DP0387-SS-1.5-2.5	1.75	20150710	1315	SOIL	4900	4.90E-03
DP0387-SS-5-6	5.1	20150710	1315	SOIL	1250	1.25E-03
DP0387-SS-14-15	14.25	20150710	1315	SOIL	1610	1.61E-03
DP0383-SS-0.5-1.2	0.8	20150710	1315	SOIL	2250	2.25E-03
DP0383-SS-1.5-2.5	1.75	20150710	1315	SOIL	8150	8.15E-03
DP0383-SS-10.5-12-01	10.75	20150710	1315	SOIL	2650	2.65E-03
DP0383-SS-005-006-01	5.25	20150710	1315	SOIL	1050	1.05E-03
DP0379-SS-1-2-01	1.3	20150710	1315	SOIL	2250	2.25E-03
DP0379-SS-2-3-01	2.25	20150710	1315	SOIL	1850	1.85E-03
DP0379-SS-7-8	7.25	20150710	1315	SOIL	310	3.10E-04
DP0379-SS-11.5-13	11.75	20150710	1315	SOIL	110	1.10E-04
DP0391-SS-0.5-1.5	0.75	20150710	1315	SOIL	1700	1.70E-03
DP0391-SS-1.5-3	1.75	20150710	1315	SOIL	7950	7.95E-03
DP0391-SS-6.25-7.5	6.5	20150710	1315	SOIL	1050	1.05E-03
Blank	N/A	20150710	1315	BLANK	ND	ND
SRM D088-542	N/A	20150710	1315	SRM	4540	4.54E-03
				Reporting Limit:	100	1.00E-04

QC DATA

SRM ID/Lot No.	REC (%)	Control Limits	Certified Concentration mg/kg	QC Performance Acceptance Limits, mg/kg Lower	Upper
SRM D088-542	105	75-125	4330	3248	5413

ND = Not Detected

CHAIN OF CUSTODY FORM

45385

HALEY & ALDRICH
3187 Red Hill Avenue
Suite 155
Costa Mesa, CA 92626-3410
(714) 371-1800 Fax (714) 641-2811

Project Name/Address: VTC Canoga Park, 6633 Canoga Ave, Canoga Park, CA	Project /PO Number: 32594-455
Project Manager: Tom Tatnall	Phone Number: above.
Sampled by (signature): K. Hoggan	Fax Number:

Analysis Required: CAL-EPA DTSC Vapor Intrusion package

Lab Name: PTS Labs

Lab Address: 8100 Secura Way, Santa Fe Springs CA 90670

Sample Identification	Lab ID No.	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Special Instructions
DP0375-SS-005-006		S	sleeve	1	6/24/15	12:10		
DP0375-SS-08.5-010						12:20		Email addresses: TTatnall@haley aldrich.com + KHoggan@haley aldrich.com
DP0375-SS-010.5-012						12:15		
DP0387-SS-0.5-1.5						16:15		
DP0387-SS-1.5-2.5						16:10		
DP0387-SS-5-6						16:25		
DP0387-SS-14-15					↓	16:30		
DP0383-SS-0.5-1.2					6/25/15	9:05		
DP0383-SS-1.5-2.5						9:07		
DP0383-SS-10.5-12-01						9:12		
DP0383-SS-005-006-01		↓	↓	↓	↓	9:10		

Relinquished By: Fulbert Chan	Date/Time: 6/26/15 · 1015	Received By: PTS LABS	Date/Time: 6/26/15 10:15
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:

Turnaround Time (Check)
24 Hours ___ 5 Days ___
48 Hours ___ 10 Days ✓
72 Hours ___ Other ___

Sample Integrity (Check): 74.2°F
On Ice ___ Intact ✓

CHAIN OF CUSTODY FORM

HALEY & ALDRICH
3187 Red Hill Avenue
Suite 155
Costa Mesa, CA 92626-3410
(714) 371-1800 Fax (714) 641-2811

45385

Project Name/Address: VTC Canoga Park, 6633 Canoga Ave, Canoga Park, CA	Project /PO Number: 32594-455
Project Manager: Tom Tatnall	Phone Number: above.
Sampled by (signature):	Fax Number:

Lab Name: PTS Labs

Lab Address: 8100 Secura Way, Santa Fe Springs, CA 90670

Sample Identification	Lab ID No.	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Analysis Required: CAL-EPA DTSC Vapors (TPH/BTEX/Naphthalene) packed	Analysis Required: Hold	Special Instructions
DP0379-SS-1-2	-01	SO	sleeve	1	6/25/15	1710	N	X		
DP0379-SS-2-3	-01			1		1715		X		
DP0379-SS-	7-8			1		1720		X		
DP0379-SS-	11.5-13			1		1730		X		
DP0379-SS-	13.5-15			1		1735			X	
DP0391-SS-	0.5-1.5			1		16:30		X		
DP0391-SS-	1.5-3			1		16:25		X		
DP0391-SS-	6.25-7.5			1		16:40		X		

Relinquished By: Fulbert Chan	Date/Time: 6/26/15 1015	Received By: PTS LABS	Date/Time: 6/26/15 10:15
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:

Turnaround Time (Check)
24 Hours ___ 5 Days ___
48 Hours ___ 10 Days ✓
72 Hours ___ Other ___

Sample Integrity (Check): 74.2°F
On Ice ___ Intact ✓

APPENDIX E

J&E Model Calculations – Future On-Site Resident

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
71556	1.00E+00			1,1,1-Trichloroethane

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of Ls (cell F24)					
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	7,732	1.65E-02	6.75E-01	1.80E-04	4.62E-03	4.13E-04	0.00E+00	5.94E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.62E-03	5.30E+03	6.19E+14	1.28E-04	1.28E-04	NA	1.0E+00

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
79005	1.00E+00			1,1,2-Trichloroethane

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	9,419	7.81E-04	3.20E-02	1.80E-04	4.77E-03	4.54E-04	0.00E+00	6.50E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.77E-03	5.30E+03	2.09E+14	1.40E-04	1.40E-04	1.6E-05	2.0E-04

END

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
76131	1.00E+00			1,1,2-Trichloro-1,2,2-trifluoroethane

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	6,787	5.06E-01	2.08E+01	1.80E-04	2.68E-03	2.39E-04	0.00E+00	3.43E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	2.68E-03	5.30E+03	3.33E+25	7.57E-05	7.57E-05	NA	3.0E+01

END

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
75343	1.00E+00			1,1-Dichloroethane

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	7,294	5.39E-03	2.21E-01	1.80E-04	5.96E-03	5.36E-04	0.00E+00	7.70E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	5.96E-03	5.30E+03	2.89E+11	1.64E-04	1.64E-04	1.6E-06	7.0E-01

END

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
75354	1.00E+00			1,1-Dichloroethylene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
Lookup Soil Parameters				Lookup Soil Parameters				Lookup Soil Parameters			
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	6,299	2.52E-02	1.03E+00	1.80E-04	6.15E-03	5.49E-04	0.00E+00	7.90E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	6.15E-03	5.30E+03	1.28E+11	1.68E-04	1.68E-04	NA	7.0E-02

END

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
95636	1.00E+00			1,2,4-Trimethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of Ls (cell F24)					
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	11,516	5.77E-03	2.37E-01	1.80E-04	4.32E-03	3.89E-04	0.00E+00	5.59E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.32E-03	5.30E+03	6.31E+15	1.21E-04	1.21E-04	NA	7.0E-03

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
107062	1.00E+00			1,2-Dichloroethane

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	8,368	1.13E-03	4.61E-02	1.80E-04	6.11E-03	5.66E-04	0.00E+00	8.13E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	6.11E-03	5.30E+03	1.51E+11	1.72E-04	1.72E-04	2.6E-05	7.0E-03

END

DATA ENTRY SHEET

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
108678	1.00E+00			1,3,5-Trimethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	11,495	8.22E-03	3.37E-01	1.80E-04	4.29E-03	3.85E-04	0.00E+00	5.53E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.29E-03	5.30E+03	8.29E+15	1.20E-04	1.20E-04	NA	3.5E-02

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
135988	1.00E+00			sec-Butylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	106,642	9.60E-03	3.94E-01	1.80E-04	3.76E-03	3.37E-04	0.00E+00	4.85E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	3.76E-03	5.30E+03	1.45E+18	1.06E-04	1.06E-04	NA	4.0E-01

END

DATA ENTRY SHEET

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
71432	1.00E+00			Benzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	7,977	5.30E-03	2.18E-01	1.80E-04	6.38E-03	5.73E-04	0.00E+00	8.24E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	6.38E-03	5.30E+03	5.09E+10	1.74E-04	1.74E-04	2.9E-05	3.0E-03

END

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
75274	1.00E+00			Bromodichloromethane

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	8,526	2.02E-03	8.28E-02	1.80E-04	4.01E-03	3.69E-04	0.00E+00	5.30E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.01E-03	5.30E+03	1.08E+17	1.15E-04	1.15E-04	3.7E-05	7.0E-02

END

DATA ENTRY SHEET

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
75252	1.00E+00			Bromoform

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	10,746	5.03E-04	2.06E-02	1.80E-04	2.55E-03	2.73E-04	0.00E+00	3.90E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	2.55E-03	5.30E+03	5.76E+26	8.56E-05	8.56E-05	1.1E-06	7.0E-02

END

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
75274	1.00E+00			Bromodichloromethane

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	8,526	2.02E-03	8.28E-02	1.80E-04	4.01E-03	3.69E-04	0.00E+00	5.30E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.01E-03	5.30E+03	1.08E+17	1.15E-04	1.15E-04	3.7E-05	7.0E-02

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
75003	1.00E+00			Chloroethane (ethyl chloride)

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	5,740	1.07E-02	4.41E-01	1.80E-04	7.39E-03	6.61E-04	0.00E+00	9.51E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	7.39E-03	5.30E+03	1.74E+09	1.99E-04	1.99E-04	1.3E-06	1.0E+01

END

DATA ENTRY SHEET

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
67663	1.00E+00			Chloroform

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of Ls (cell F24)					
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	7,407	3.52E-03	1.44E-01	1.80E-04	5.48E-03	4.96E-04	0.00E+00	7.12E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	5.48E-03	5.30E+03	2.90E+12	1.52E-04	1.52E-04	2.3E-05	9.8E-02

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
156592	1.00E+00			cis-1,2-Dichloroethylene

MORE

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	7,592	3.91E-03	1.60E-01	1.80E-04	6.30E-03	5.68E-04	0.00E+00	8.17E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	6.30E-03	5.30E+03	6.97E+10	1.73E-04	1.73E-04	NA	7.0E-03

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
124481	1.00E+00			Dibromochloromethane

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of Ls (cell F24)					
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	6,696	7.54E-04	3.09E-02	1.80E-04	2.61E-03	2.64E-04	0.00E+00	3.78E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	2.61E-03	5.30E+03	1.33E+26	8.31E-05	8.31E-05	2.7E-05	7.0E-02

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
75718	1.00E+00			Dichlorodifluoromethane

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	7,961	3.28E-01	1.34E+01	1.80E-04	5.41E-03	4.83E-04	0.00E+00	6.95E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	5.41E-03	5.30E+03	4.08E+12	1.49E-04	1.49E-04	NA	1.0E-01

END

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
108203	1.00E+00			Diisopropyl ether (DIPE)

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	7,651	2.45E-03	1.01E-01	1.80E-04	4.66E-03	4.23E-04	0.00E+00	6.07E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.66E-03	5.30E+03	4.49E+14	1.31E-04	1.31E-04	NA	7.0E-01

END

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
100414	1.00E+00			Ethylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	9,994	7.45E-03	3.05E-01	1.80E-04	4.88E-03	4.37E-04	0.00E+00	6.29E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.88E-03	5.30E+03	1.01E+14	1.35E-04	1.35E-04	2.5E-06	1.0E+00

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
98828	1.00E+00			Cumene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	12,447	1.07E-02	4.39E-01	1.80E-04	4.30E-03	3.85E-04	0.00E+00	5.53E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.30E-03	5.30E+03	7.91E+15	1.20E-04	1.20E-04	NA	4.0E-01

END

DATA ENTRY SHEET

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
91203	1.00E+00			Naphthalene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	12,768	4.09E-04	1.68E-02	1.80E-04	4.32E-03	4.30E-04	0.00E+00	6.16E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.32E-03	5.30E+03	6.65E+15	1.33E-04	1.33E-04	3.4E-05	3.0E-03

END

DATA ENTRY SHEET

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
104518	1.00E+00			n-Butylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	11,671	1.49E-02	6.10E-01	1.80E-04	3.76E-03	3.36E-04	0.00E+00	4.84E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	3.76E-03	5.30E+03	1.47E+18	1.05E-04	1.05E-04	NA	1.8E-01

END

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
103651	1.00E+00			n-Propylbenzene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of Ls (cell F24)					
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	11,186	9.85E-03	4.04E-01	1.80E-04	4.28E-03	3.84E-04	0.00E+00	5.52E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.28E-03	5.30E+03	8.65E+15	1.20E-04	1.20E-04	NA	1.0E+00

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
95476	1.00E+00			o-Xylene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
Lookup Soil Parameters				Lookup Soil Parameters				Lookup Soil Parameters			
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	10,245	4.89E-03	2.00E-01	1.80E-04	4.91E-03	4.42E-04	0.00E+00	6.35E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.91E-03	5.30E+03	8.12E+13	1.37E-04	1.37E-04	NA	1.0E-01

END

DATA ENTRY SHEET

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
127184	1.00E+00			Tetrachloroethylene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of Ls (cell F24)					
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	9,410	1.68E-02	6.88E-01	1.80E-04	3.59E-03	3.22E-04	0.00E+00	4.63E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	3.59E-03	5.30E+03	9.94E+18	1.01E-04	1.01E-04	5.9E-06	3.5E-02

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
108883	1.00E+00			Toluene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	9,001	6.31E-03	2.59E-01	1.80E-04	5.54E-03	4.98E-04	0.00E+00	7.15E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	5.54E-03	5.30E+03	2.10E+12	1.53E-04	1.53E-04	NA	3.0E-01

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
156605	1.00E+00			trans-1,2-Dichloroethylene

MORE

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
			Totals must add up to value of Ls (cell F24)					
15	152.4	24	60.96	91.44	0	S		

MORE

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	6,986	3.92E-03	1.61E-01	1.80E-04	6.24E-03	5.63E-04	0.00E+00	8.09E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	6.24E-03	5.30E+03	8.74E+10	1.71E-04	1.71E-04	NA	6.0E-02

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
79016	1.00E+00			Trichloroethylene

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	8,382	9.39E-03	3.85E-01	1.80E-04	4.89E-03	4.39E-04	0.00E+00	6.31E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.89E-03	5.30E+03	9.18E+13	1.36E-04	1.36E-04	4.1E-06	2.0E-03

END

DATA ENTRY SHEET

SG-ADV
Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
75694	1.00E+00			Trichlorofluoromethane

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (^oC)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	5,993	9.38E-02	3.84E+00	1.80E-04	4.65E-03	4.15E-04	0.00E+00	5.97E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF ($\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	4.65E-03	5.30E+03	4.68E+14	1.29E-04	1.29E-04	NA	7.0E-01

END

DATA ENTRY SHEET

SG-ADV Version 3.1; 02/04

Reset to Defaults

Soil Gas Concentration Data

ENTER Chemical CAS No. (numbers only, no dashes)	ENTER Soil gas conc., C_g ($\mu g/m^3$)	OR	ENTER Soil gas conc., C_g (ppmv)	Chemical
75014	1.00E+00			Vinyl chloride (chloroethene)

MORE ↓

ENTER Depth below grade to bottom of enclosed space floor, L_F (cm)	ENTER Soil gas sampling depth below grade, L_s (cm)	ENTER Average soil temperature, T_S (°C)	ENTER Totals must add up to value of Ls (cell F24) Thickness of soil stratum A, h_A (cm)	ENTER Thickness of soil stratum B, (Enter value or 0) h_B (cm)	ENTER Thickness of soil stratum C, (Enter value or 0) h_C (cm)	ENTER Soil stratum A SCS soil type (used to estimate soil vapor permeability)	OR	ENTER User-defined stratum A soil vapor permeability, k_v (cm^2)
15	152.4	24	60.96	91.44	0	S		

MORE ↓

ENTER Stratum A SCS soil type (Lookup Soil Parameters)	ENTER Stratum A soil dry bulk density, ρ_b^A (g/cm^3)	ENTER Stratum A soil total porosity, n^A (unitless)	ENTER Stratum A soil water-filled porosity, θ_w^A (cm^3/cm^3)	ENTER Stratum B SCS soil type (Lookup Soil Parameters)	ENTER Stratum B soil dry bulk density, ρ_b^B (g/cm^3)	ENTER Stratum B soil total porosity, n^B (unitless)	ENTER Stratum B soil water-filled porosity, θ_w^B (cm^3/cm^3)	ENTER Stratum C SCS soil type (Lookup Soil Parameters)	ENTER Stratum C soil dry bulk density, ρ_b^C (g/cm^3)	ENTER Stratum C soil total porosity, n^C (unitless)	ENTER Stratum C soil water-filled porosity, θ_w^C (cm^3/cm^3)
S	1.44	0.45	0.17	C	1.52	0.42	0.29				

MORE ↓

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

ENTER Averaging time for carcinogens, AT_C (yrs)	ENTER Averaging time for noncarcinogens, AT_{NC} (yrs)	ENTER Exposure duration, ED (yrs)	ENTER Exposure frequency, EF (days/yr)
70	30	30	350

END

INTERMEDIATE CALCULATIONS SHEET

Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Floor-wall seam perimeter, X_{crack} (cm)	Soil gas conc. ($\mu g/m^3$)	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)
9.46E+08	137.4	0.280	0.130	ERROR	0.295	1.02E-07	0.653	6.63E-08	4,000	1.00E+00	3.39E+04

Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. soil temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. soil temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. soil temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
1.06E+06	5.00E-03	15	4,840	2.70E-02	1.11E+00	1.80E-04	7.63E-03	6.81E-04	0.00E+00	9.80E-04	137.4

Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
15	1.00E+00	1.33	8.33E+01	7.63E-03	5.30E+03	8.92E+08	2.05E-04	2.05E-04	7.8E-05	1.0E-01

END

APPENDIX F

Risk Calculations: Future On-Site Construction Worker

SITE SPECIFIC HAZARD INDEX (CONSTRUCTION) - MAXIMUM OR 95%UCL CONCENTRATIONS - HYPOTHETICAL FUTURE CONSTRUCTION WORKER
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

General Exposure Factors		Adult
Exposure Duration	(yrs)	1
Body Weight	(kg)	80
Averaging Time	(days)	365
Averaging Time	(hours)	8760
Hours per day	(hours)	8
Dermal exposure factors		
Skin Surface Area	(cm^2/day)	6032
Soil to Skin Adherence Factor	(mg/cm^2)	0.8
Dermal Absorption Factor	(unitless)	Chemical Specific
Exposure Frequency	(days/yr)	250
Ingestion Exposure Factors		
Soil Ingestion Rate	(mg/day)	330
Absorption Rate	(unitless)	1
Exposure Frequency	(days/yr)	250
Inhalation Exposure Factors		
Exposure Frequency	(days/yr)	250

Exposure Pathway: Dermal Contact and Soil Ingestion

Chemical	((Cs (mg/kg)	/	RfD) (mg/kg-day)	*	2.8E-06 (mg/kg-day) (Note #1)	+	((Cs	/	RfD) (mg/kg-day)	*	4.1E-05 (mg/kg-day) (Note #2)	*	ABS (unitless)	=	Hazard Quotient (Note #3)
Benzyl alcohol	0.89	/	1.0E-01	*	2.8E-06	+	0.89	/	1.0E-01	*	4.1E-05	*	0.1	=	6.2E-05
bis(2-Ethylhexyl)phthalate	3.92	/	2.0E-02	*	2.8E-06	+	3.92	/	2.0E-02	*	4.1E-05	*	0.1	=	1.4E-03
Butyl benzylphthalate	0.63	/	2.0E-01	*	2.8E-06	+	0.63	/	2.0E-01	*	4.1E-05	*	0.1	=	2.2E-05
Diethyl phthalate	0.268	/	8.0E-01	*	2.8E-06	+	0.268	/	8.0E-01	*	4.1E-05	*	0.1	=	2.3E-06
Antimony	10.7	/	4.0E-04	*	2.8E-06	+	10.7	/	4.0E-04	*	4.1E-05	*	0.01	=	8.7E-02
Cadmium	5.15	/	5.0E-04	*	2.8E-06	+	5.15	/	5.0E-04	*	4.1E-05	*	0.001	=	3.0E-02
Hexavalent Chromium	1.8	/	2.0E-02	*	2.8E-06	+	1.8	/	2.0E-02	*	4.1E-05	*	0	=	2.5E-04
Cobalt	*0*	/	3.0E-04	*	2.8E-06	+	0	/	3.0E-04	*	4.1E-05	*	0.01	=	0.0E+00
Copper	*0*	/	4.0E-02	*	2.8E-06	+	0	/	4.0E-02	*	4.1E-05	*	0.01	=	0.0E+00
Nickel	*60.4*	/	1.1E-02	*	2.8E-06	+	60.4	/	1.1E-02	*	4.1E-05	*	0.01	=	1.8E-02
Selenium	*0*	/	5.0E-03	*	2.8E-06	+	0	/	5.0E-03	*	4.1E-05	*	0.01	=	0.0E+00
Zinc	215	/	3.0E-01	*	2.8E-06	+	215	/	3.0E-01	*	4.1E-05	*	0.01	=	2.3E-03
Total PCBs	1	/	2.0E-05	*	2.8E-06	+	1	/	2.0E-05	*	4.1E-05	*	0.15	=	4.5E-01
1,1-Dichloroethane	2.6	/	2.0E-01	*	2.8E-06	+	2.6	/	2.0E-01	*	4.1E-05	*	0	=	3.7E-05
1,1-Dichloroethene	1.4	/	5.0E-02	*	2.8E-06	+	1.4	/	5.0E-02	*	4.1E-05	*	0	=	7.9E-05
1,1,1-Trichloroethane	21.9	/	2.0E+00	*	2.8E-06	+	21.9	/	2.0E+00	*	4.1E-05	*	0	=	3.1E-05
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.027	/	3.0E+01	*	2.8E-06	+	0.027	/	3.0E+01	*	4.1E-05	*	0	=	2.5E-09
1,2-Dichloroethane	0.041	/	6.0E-03	*	2.8E-06	+	0.041	/	6.0E-03	*	4.1E-05	*	0	=	1.9E-05
1,1,2-Trichloroethane	1.7	/	4.0E-03	*	2.8E-06	+	1.7	/	4.0E-03	*	4.1E-05	*	0	=	1.2E-03
1,2,3-Trichloropropane	1.63	/	4.0E-03	*	2.8E-06	+	1.63	/	4.0E-03	*	4.1E-05	*	0	=	1.2E-03
1,2,4-Trimethylbenzene	1.9	/	na	*	2.8E-06	+	1.9	/	na	*	4.1E-05	*	0	=	na
1,3,5-Trimethylbenzene	0.541	/	1.0E-02	*	2.8E-06	+	0.541	/	1.0E-02	*	4.1E-05	*	0	=	1.5E-04
2-Butanone	0.045	/	6.0E-01	*	2.8E-06	+	0.045	/	6.0E-01	*	4.1E-05	*	0	=	2.1E-07
Acetone	0.28	/	9.0E-01	*	2.8E-06	+	0.28	/	9.0E-01	*	4.1E-05	*	0	=	8.8E-07
Benzene	1.1	/	4.0E-03	*	2.8E-06	+	1.1	/	4.0E-03	*	4.1E-05	*	0	=	7.8E-04
Carbon disulfide	0.0029	/	1.0E-01	*	2.8E-06	+	0.0029	/	1.0E-01	*	4.1E-05	*	0	=	8.2E-08
Chloroform	0.0064	/	1.0E-02	*	2.8E-06	+	0.0064	/	1.0E-02	*	4.1E-05	*	0	=	1.8E-06
cis-1,2-Dichloroethene	13.2	/	2.0E-03	*	2.8E-06	+	13.2	/	2.0E-03	*	4.1E-05	*	0	=	1.9E-02
Dichlorodifluoromethane	0.0016	/	2.0E-01	*	2.8E-06	+	0.0016	/	2.0E-01	*	4.1E-05	*	0	=	2.3E-08
Ethylbenzene	5.4	/	1.0E-01	*	2.8E-06	+	5.4	/	1.0E-01	*	4.1E-05	*	0	=	1.5E-04
Isopropylbenzene	0.166	/	1.0E-01	*	2.8E-06	+	0.166	/	1.0E-01	*	4.1E-05	*	0	=	4.7E-06
Isopropyltoluene (surrogate=isopropylbenzene)	0.237	/	1.0E-01	*	2.8E-06	+	0.237	/	1.0E-01	*	4.1E-05	*	0	=	6.7E-06
Methylene chloride	0.0013	/	6.0E-03	*	2.8E-06	+	0.0013	/	6.0E-03	*	4.1E-05	*	0	=	6.1E-07
n-Propylbenzene	0.39	/	1.0E-01	*	2.8E-06	+	0.39	/	1.0E-01	*	4.1E-05	*	0	=	1.1E-05
Napthalene	1.13	/	2.0E-02	*	2.8E-06	+	1.13	/	2.0E-02	*	4.1E-05	*	0	=	1.6E-04
sec-Butylbenzene	0.15	/	5.0E-02	*	2.8E-06	+	0.15	/	5.0E-02	*	4.1E-05	*	0	=	8.5E-06
Styrene	0.0022	/	2.0E-01	*	2.8E-06	+	0.0022	/	2.0E-01	*	4.1E-05	*	0	=	3.1E-08
Tetrachloroethene	*4.1*	/	6.0E-03	*	2.8E-06	+	4.1	/	6.0E-03	*	4.1E-05	*	0	=	1.9E-03
Toluene	24.9	/	8.0E-02	*	2.8E-06	+	24.9	/	8.0E-02	*	4.1E-05	*	0	=	8.8E-04
trans-1,2-Dichloroethene	0.0871	/	2.0E-02	*	2.8E-06	+	0.0871	/	2.0E-02	*	4.1E-05	*	0	=	1.2E-05
Trichloroethene	*1.4*	/	5.0E-04	*	2.8E-06	+	1.4	/	5.0E-04	*	4.1E-05	*	0	=	7.9E-03
Xylenes	11.2	/	2.0E-01	*	2.8E-06	+	11.2	/	2.0E-01	*	4.1E-05	*	0	=	1.6E-04
													Total Soil Ingestion and Dermal Hazard Index:		**0.62**

Exposure Pathway: Inhalation of Particulates

Chemical	1.0E-06 (kg/m^3) (Note #4)	*	EC (ug/m3) (Note #5)	/	RfCi (ug/m^3)	=	Hazard Quotient (Note #6)
Benzyl alcohol	1.0E-06	*	2.0E-04	/	na	=	na
bis(2-Ethylhexyl)phthalate	1.0E-06	*	8.9E-04	/	na	=	na
Butyl benzylphthalate	1.0E-06	*	1.4E-04	/	na	=	na
Diethyl phthalate	1.0E-06	*	6.1E-05	/	na	=	na
Antimony	1.0E-06	*	2.4E-03	/	na	=	na
Cadmium	1.0E-06	*	1.2E-03	/	2.0E-02	=	5.9E-02
Hexavalent Chromium	1.0E-06	*	4.1E-04	/	2.0E-01	=	2.1E-03
Cobalt	1.0E-06	*	0.0E+00	/	6.0E-03	=	0.0E+00
Copper	1.0E-06	*	0.0E+00	/	na	=	na
Nickel	1.0E-06	*	1.4E-02	/	1.4E-02	=	9.8E-01
Selenium	1.0E-06	*	0.0E+00	/	2.0E+01	=	0.0E+00
Vanadium	1.0E-06	*	0.0E+00	/	1.0E-01	=	na
Zinc	1.0E-06	*	4.9E-02	/	na	=	na
Total PCBs	1.0E-06	*	2.3E-04	/	na	=	na
					Total Inhalation of Particulates Hazard Index:		**1.0**

Exposure Pathway: Inhalation of volatiles in ambient air (from soil concentrations)

Chemical	EC (ug/m3) (Note #7)	/	RfCi (ug/m^3)	=	Hazard Quotient (Note #8)
1,1-Dichloroethane	5.4E-01	/	7.00E+02	=	7.7E-04
1,1-Dichloroethene	5.9E-01	/	7.0E+01	=	8.5E-03
1,1,1-Trichloroethane	6.2E+00	/	1.0E+03	=	6.2E-03
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.4E-02	/	3.0E+04	=	4.5E-07
1,2-Dichloroethane	3.9E-03	/	4.0E+02	=	9.7E-06
1,1,2-Trichloroethane	1.1E-01	/	1.4E+01	=	7.7E-03
1,2,3-Trichloropropane	5.3E-02	/	3.0E-01	=	1.8E-01
1,2,4-Trimethylbenzene	1.1E-01	/	7.0E+00	=	1.6E-02
1,3,5-Trimethylbenzene	3.7E-02	/	6.0E+00	=	6.2E-03
2-Butanone	2.1E-03	/	5.0E+03	=	4.3E-07
Acetone	1.4E-02	/	3.1E+04	=	4.4E-07
Benzene	1.4E-01	/	3.0E+01	=	4.7E-03
Carbon disulfide	1.1E-03	/	8.0E+02	=	1.4E-06
Chloroform	1.0E-03	/	3.0E+02	=	3.5E-06
cis-1,2-Dichloroethene	2.3E+00	/	3.5E+01	=	6.5E-02
Dichlorodifluoromethane	1.3E-03	/	1.0E+02	=	1.3E-05
Diisopropyl ether	0.0E+00	/	7.0E+02	=	0.0E+00
Ethylbenzene	4.3E-01	/	2.0E+03	=	2.2E-04
Isopropylbenzene	1.2E-02	/	4.0E+02	=	3.1E-05
Isopropyltoluene (surrogate=isopropylbenzene)	1.7E-02	/	4.0E+02	=	4.4E-05
Methylene chloride	2.5E-04	/	4.0E+02	=	6.2E-07
n-Propylbenzene	2.5E-02	/	1.0E+03	=	2.5E-05
Napthalene	1.2E-02	/	9.0E+00	=	1.4E-03
sec-Butylbenzene	9.3E-03	/	na	=	na
Styrene	1.1E-04	/	9.0E+02	=	1.2E-07
Tetrachloroethene	8.1E-01	/	3.5E+01	=	2.3E-02
Toluene	2.6E+00	/	3.0E+02	=	8.8E-03
trans-1,2-Dichloroethene	1.5E-02	/	6.0E+01	=	2.5E-04
Trichloroethene	2.8E-01	/	2.0E+00	=	1.4E-01
Xylenes	8.7E-01	/	7.0E+02	=	1.2E-03
			Total Inhalations of Volatiles Hazard Index:		**0.47**

Total Harzard Index: **2.1**

ABS = Dermal Absorption Factor
na = not applicable
Italicized concentrations are 95% Upper Confidence Levels
#1: Ingestion Factor = ((Injestion Rate) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#2: Dermal Contact Factor = ((Skin Surface Area) x (Soil to Skin Adherence Factor) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#3: Hazard Quotient (oral + dermal) = [(Soil Concentration) / (Reference Dose for Soil Ingestion) x (Ingestion Factor)] + [(Soil Concentration) x (Reference Dose for Dermal Contact) x (Dermal Contact Factor) x (ABS)]
#4: Particulate Emission Factor = 1.0E-6 = 1/1000000 (the inverse of the default particulate emission factor for construction workers)
#5: Expsoure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#6: Hazard Quotient (Inhalation of Non-Volatile Particulates in Ambient Air) = (Concentration in Ambient Air)x (Particulate Emission Factor) / (Reference Concentration for Inhalation)
#7: Expsoure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#8: Hazard Quotient (Inhalation of Volatiles in Ambient Air) = (Exposure Concentration) / (Reference Concentration for Inhalation)

SITE-SPECIFIC CARCINOGENIC RISK ESTIMATE (CONSTRUCTION) - MAXIMUM OR 95%UCL CONCENTRATIONS - HYPOTHETICAL FUTURE CONSTRUCTION WORKER
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

General Exposure Factors		Adult
Exposure Duration	(yrs)	1
Body Weight	(kg)	80
Averaging Time	(days)	25550
Averaging Time	(hours)	613200
Hours per Day	(hours)	8
Dermal exposure factors		
Skin Surface Area	(cm^2/day)	6032
Soil to Skin Adherence Factor	(mg/cm^2)	0.8
Dermal Absorption Factor	(unitless)	Chemical Specific
Exposure Frequency	(days/yr)	250
Ingestion Exposure Factors		
Soil Ingestion Rate	(mg/day)	330
Absorption Rate	(unitless)	1
Exposure Frequency	(days/yr)	250
Inhalation Exposure Factors		
Exposure Frequency	(days/yr)	250

Exposure Pathway: Soil Ingestion + Dermal Contact

Chemical	**(Cs (mg/kg)**	*	**4.0E-08 (mg/kg-day) (Note #1)**	*	**SFo) ($(mg/kg\text{-}day)^{-1}$**	+	**(SFo ($(mg/kg\text{-}day)^{-1}$**	*	**Cs (mg/kg)**	*	**5.9E-07 (mg/kg-day) (Note #2)**	*	**ABS) (unitless)**	=	**Excess Cancer Risk (Note 3)**
Benzyl alcohol	0.89	*	4.0E-08	*	na	+	na	*	0.89	*	5.9E-07	*	0.1	=	na
bis(2-Ethylhexyl)phthalate	3.92	*	4.0E-08	*	1.40E-02	+	1.40E-02	*	3.92	*	5.9E-07	*	0.1	=	5.5E-09
Butyl benzylphthalate	0.63	*	4.0E-08	*	1.90E-03	+	1.90E-03	*	0.63	*	5.9E-07	*	0.1	=	1.2E-10
Diethyl phthalate	0.268	*	4.0E-08	*	na	+	na	*	0.268	*	5.9E-07	*	0.1	=	na
Antimony	10.7	*	4.0E-08	*	na	+	na	*	10.7	*	5.9E-07	*	0.01	=	na
Cadmium	5.15	*	4.0E-08	*	na	+	na	*	5.15	*	5.9E-07	*	0.001	=	na
Hexavalent Chromium	1.8	*	4.0E-08	*	na	+	na	*	1.8	*	5.9E-07	*	0	=	na
Cobalt	*0*	*	4.0E-08	*	na	+	na	*	0	*	5.9E-07	*	0.01	=	na
Copper	0	*	4.0E-08	*	na	+	na	*	0	*	5.9E-07	*	0.01	=	na
Nickel	*60.4*	*	4.0E-08	*	0.91	+	0.91	*	60.4	*	5.9E-07	*	0.01	=	2.5E-06
Selenium	0	*	4.0E-08	*	na	+	na	*	0	*	5.9E-07	*	0.01	=	na
Zinc	215	*	4.0E-08	*	na	+	na	*	215	*	5.9E-07	*	0.01	=	na
Total PCBs	1	*	4.0E-08	*	2.00E+00	+	2.00E+00	*	1	*	5.9E-07	*	0.15	=	2.6E-07
1,1-Dichloroethane	2.6	*	4.0E-08	*	5.70E-03	+	5.70E-03	*	2.6	*	5.9E-07	*	0	=	6.0E-10
1,1-Dichloroethene	1.4	*	4.0E-08	*	na	+	na	*	1.4	*	5.9E-07	*	0	=	na
1,1,1-Trichloroethane	21.9	*	4.0E-08	*	na	+	na	*	21.9	*	5.9E-07	*	0	=	na
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.027	*	4.0E-08	*	na	+	na	*	0.027	*	5.9E-07	*	0	=	na
1,2-Dichloroethane	0.041	*	4.0E-08	*	4.70E-02	+	4.70E-02	*	0.041	*	5.9E-07	*	0	=	7.8E-11
1,1,2-Trichloroethane	1.7	*	4.0E-08	*	7.20E-02	+	7.20E-02	*	1.7	*	5.9E-07	*	0	=	4.9E-09
1,2,3-Trichloropropane	1.63	*	4.0E-08	*	3.00E+01	+	3.00E+01	*	1.63	*	5.9E-07	*	0	=	2.0E-06
1,2,4-Trimethylbenzene	1.9	*	4.0E-08	*	na	+	na	*	1.9	*	5.9E-07	*	0	=	na
1,3,5-Trimethylbenzene	0.541	*	4.0E-08	*	na	+	na	*	0.541	*	5.9E-07	*	0	=	na
2-Butanone	0.045	*	4.0E-08	*	na	+	na	*	0.045	*	5.9E-07	*	0	=	na
Acetone	0.28	*	4.0E-08	*	na	+	na	*	0.28	*	5.9E-07	*	0	=	na
Benzene	1.1	*	4.0E-08	*	1.00E-01	+	1.00E-01	*	1.1	*	5.9E-07	*	0	=	4.4E-09
Carbon disulfide	0.0029	*	4.0E-08	*	na	+	na	*	0.0029	*	5.9E-07	*	0	=	na
Chloroform	0.0064	*	4.0E-08	*	3.10E-02	+	3.10E-02	*	0.0064	*	5.9E-07	*	0	=	8.0E-12
cis-1,2-Dichloroethene	13.2	*	4.0E-08	*	na	+	na	*	13.2	*	5.9E-07	*	0	=	na
Dichlorodifluoromethane	0.0016	*	4.0E-08	*	na	+	na	*	0.0016	*	5.9E-07	*	0	=	na
Ethylbenzene	5.4	*	4.0E-08	*	1.10E-02	+	1.10E-02	*	5.4	*	5.9E-07	*	0	=	2.4E-09
Isopropylbenzene	0.166	*	4.0E-08	*	na	+	na	*	0.166	*	5.9E-07	*	0	=	na
Isopropyltoluene (surrogate=isopropylbenzene)	0.237	*	4.0E-08	*	na	+	na	*	0.237	*	5.9E-07	*	0	=	na
Methylene chloride	0.0013	*	4.0E-08	*	1.40E-02	+	1.40E-02	*	0.0013	*	5.9E-07	*	0	=	7.3E-13
n-Propylbenzene	0.39	*	4.0E-08	*	na	+	na	*	0.39	*	5.9E-07	*	0	=	na
Napthalene	1.13	*	4.0E-08	*	na	+	na	*	1.13	*	5.9E-07	*	0	=	na
sec-Butylbenzene	0.15	*	4.0E-08	*	na	+	na	*	0.15	*	5.9E-07	*	0	=	na
Styrene	0.0022	*	4.0E-08	*	na	+	na	*	0.0022	*	5.9E-07	*	0	=	na
Tetrachloroethene	*4.1*	*	4.0E-08	*	5.40E-01	+	5.40E-01	*	4.1	*	5.9E-07	*	0	=	8.9E-08
Toluene	24.9	*	4.0E-08	*	na	+	na	*	24.9	*	5.9E-07	*	0	=	na
trans-1,2-Dichloroethene	0.0871	*	4.0E-08	*	na	+	na	*	0.0871	*	5.9E-07	*	0	=	na
Trichloroethene	*1.4*	*	4.0E-08	*	5.90E-03	+	5.90E-03	*	1.4	*	5.9E-07	*	0	=	3.3E-10
Xylenes	11.2	*	4.0E-08	*	na	+	na	*	11.2	*	5.9E-07	*	0	=	na
											Total Cancer Risk Dermal and Soil Ingestion:				**5E-06**

Exposure Pathway: Inhalation of Particulates (for non-volatiles)

Chemical	**1.0E-06 (kg/m^3) (Note #4)**		**EC (ug/kg) (Note #5)**	*	**IUR (µg/cubic meter)-1**	=	**Excess Cancer Risk (Note #6)**
Benzyl alcohol	1.0.E-06		2.9.E-06	*	na	=	na
bis(2-Ethylhexyl)phthalate	1.0.E-06		1.3.E-05	*	2.40E-06	=	3.1E-11
Butyl benzylphthalate	1.0.E-06		2.1.E-06	*	na	=	na
Diethyl phthalate	1.0.E-06		8.7.E-07	*	na	=	na
Antimony	1.0.E-06		3.5.E-05	*	na	=	na
Cadmium	1.0.E-06		1.7.E-05	*	4.2E-04	=	7.1E-09
Hexavalent Chromium	1.0.E-06		5.9.E-06	*	1.5E-01	=	8.8E-07
Cobalt	1.0.E-06		0.0.E+00	*	9.0E-03	=	0.0E+00
Copper	1.0.E-06		0.0.E+00	*	na	=	na
Nickel	1.0.E-06		2.0.E-04	*	2.6E-04	=	5.1E-08
Selenium	1.0.E-06		0.0.E+00	*	na	=	na
Zinc	1.0.E-06		7.0.E-04	*	na	=	na
Total PCBs	1.0.E-06		3.3.E-06	*	5.70E-04	=	1.9E-09
			Total Cancer Risk Inhalation of Nonvolatiles:				**9E-07**

Exposure Pathway: Inhalation of volatiles in ambient air (from soil concentrations)

Chemical	**EC (ug/m3) (Note #7)**	*	**IUR (µg/cubic meter)-1**	=	**Excess Cancer Risk (Note #8)**
1,1-Dichloroethane	7.7E-03	*	1.6E-06	=	1.2E-08
1,1-Dichloroethene	8.5E-03	*	na	=	na
1,1,1-Trichloroethane	8.8E-02	*	na	=	na
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.9E-04	*	na	=	na
1,2-Dichloroethane	5.6E-05	*	2.1E-05	=	1.2E-09
1,1,2-Trichloroethane	1.5E-03	*	1.6E-05	=	2.4E-08
1,2,3-Trichloropropane	7.6E-04	*	8.6E-03	=	6.5E-06
1,2,4-Trimethylbenzene	1.6E-03	*	na	=	na
1,3,5-Trimethylbenzene	5.3E-04	*	na	=	na
2-Butanone	3.1E-05	*	na	=	na
Acetone	1.9E-04	*	na	=	na
Benzene	2.0E-03	*	2.9E-05	=	5.8E-08
Carbon disulfide	1.6E-05	*	na	=	na
Chloroform	1.5E-05	*	5.3E-06	=	7.9E-11
cis-1,2-Dichloroethene	3.3E-02	*	na	=	na
Dichlorodifluoromethane	1.9E-05	*	na	=	na
Ethylbenzene	6.2E-03	*	2.5E-06	=	1.5E-08
Isopropylbenzene	1.7E-04	*	na	=	na
Isopropyltoluene (surrogate=isopropylbenzene)	2.5E-04	*	na	=	na
Methylene chloride	3.5E-06	*	1.0E-06	=	3.5E-12
n-Propylbenzene	3.6E-04	*	na	=	na
Napthalene	1.8E-04	*	3.4E-05	=	6.0E-09
sec-Butylbenzene	1.3E-04	*	na	=	na
Styrene	1.5E-06	*	na	=	na
Tetrachloroethene	1.2E-02	*	5.9E-06	=	6.8E-08
Toluene	3.8E-02	*	na	=	na
trans-1,2-Dichloroethene	2.1E-04	*	na	=	na
Trichloroethene	4.1E-03	*	4.1E-06	=	1.7E-08
Xylenes	1.2E-02	*	na	=	na
	Total Cancer Risk Inhalation of Volatiles				**7E-06**

Total Cancer Risk: **1E-05**

na = not applicable
ABS = Dermal Absorption Factor
Italicized concentrations are 95% Upper Confidence Levels
#1: Ingestion Factor = ((Ingestion Rate) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#2: Dermal Contact Factor = ((Skin Surface Area) x (Soil to Skin Adherence Factor) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#3: Cancer Risk (oral + dermal) = [(Soil Concentration) x (Ingestion Factor) x (Slope Factor for Soil Ingestion)] + [(Slope Factor for Dermal Contact) x (Soil Concentration) x (Dermal Contact Factor) x (ABS)]
#4: Particulate Emission Factor = 1.0E-6 = 1/1000000 (the inverse of the default particulate emission factor for construction workers)
#5: Exposure Concentration (EC) = ((concentration in air) * (Particulate Emission Factor) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#6: Cancer Risk (Inhalation of Particulates in Ambient Air) = (Expsosure Concentration) x (Inhalation Unit Risk Factor)
#7 Exposure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#8: Cancer Risk (Inhalation of Volatiles in Ambient Air) = (Expsosure Concentration) x (Inhalation Unit Risk Factor)

CHEMICAL	CONCENTRATION IN SOIL (MG/KG)	VOLATILZATION FACTOR M^3/KG	CONCENTRATION IN AMBIENT AIR (MG/M^3)
1,1-Dichloroethane	2.6E+00	1.10E+03	2.4E-03
1,1-Dichloroethene	1.4E+00	5.40E+02	2.6E-03
1,1,1-Trichloroethane	2.2E+01	8.10E+02	2.7E-02
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7E-02	4.55E+02	5.9E-05
1,2-Dichloroethane	4.1E-02	2.40E+03	1.7E-05
1,1,2-Trichloroethane	1.7E+00	3.62E+03	4.7E-04
1,2,3-Trichloropropane	1.6E+00	7.02E+03	2.3E-04
1,2,4-Trimethylbenzene	1.9E+00	3.96E+03	4.8E-04
1,3,5-Trimethylbenzene	5.4E-01	3.31E+03	1.6E-04
2-Butanone (MEK)	4.5E-02	4.80E+03	9.4E-06
Acetone	2.8E-01	4.72E+03	5.9E-05
Benzene	1.1E+00	1.80E+03	6.1E-04
Carbon disulfide	2.9E-03	5.81E+02	5.0E-06
Chloroform	6.4E-03	1.40E+03	4.6E-06
cis-1,2-Dichloroethene	1.3E+01	1.32E+03	1.0E-02
Dichlorodifluoromethane	1.6E-03	2.76E+02	5.8E-06
Ethylbenzene	5.4E+00	2.84E+03	1.9E-03
Isopropylbenzene (Cumene)	1.7E-01	3.10E+03	5.3E-05
Isopropyltoluene (Cymene)	2.4E-01	3.10E+03	7.6E-05
Methylene chloride	1.3E-03	1.20E+03	1.1E-06
n-Propylbenzene	3.9E-01	3.50E+03	1.1E-04
Naphthalene	1.1E+00	2.09E+04	5.4E-05
sec-Butylbenzene	1.5E-01	3.67E+03	4.1E-05
Styrene	2.2E-03	4.66E+03	4.7E-07
Tetrachloroethene	4.1E+00	1.16E+03	3.5E-03
Toluene	2.5E+01	2.16E+03	1.2E-02
trans-1,2-Dichloroethene	8.7E-02	1.33E+03	6.6E-05
Trichloroethene	1.4E+00	1.12E+03	1.2E-03
Xylenes (total)	1.1E+01	2.92E+03	3.8E-03

Volatilization Factor Calculations
Onsite Construction Worker

COLUMN	2	3	4	5	6	7	8	9	10	11	12	13
CAS_No	Chemical	MW	H	H'	Di	Dw	Koc	Kd	S	DA-SS	VF-SS	SAT-SS
		(g/mol)	(atm-m3/mol)	(dimensionless)	(cm^2/s)	(cm^2/s)	(cm^3/g)	(cm^3/g)	(mg/L-water)	(cm2/s)	(m^3/kg)	(mg/kg)
67-64-1	Acetone	5.8E+01	3.5E-05	1.4E-03	1.1E-01	1.2E-05	2.4E+00	1.4E-02	1.0E+06	5.35E-06	4.72E+03	1.87E+05
71-43-2	Benzene	7.8E+01	5.6E-03	2.3E-01	9.0E-02	1.0E-05	1.5E+02	8.7E-01	1.8E+03	3.69E-05	1.80E+03	1.90E+03
108-86-1	Bromobenzene	1.6E+02	2.5E-03	1.0E-01	5.4E-02	9.3E-06	2.3E+02	1.4E+00	4.5E+02	6.87E-06	4.17E+03	7.06E+02
74-97-5	Bromochloromethane	1.3E+02	1.5E-03	6.0E-02	7.9E-02	1.2E-05	2.2E+01	1.3E-01	1.7E+04	3.15E-05	1.95E+03	5.13E+03
75-27-4	Bromodichloromethane	1.6E+02	2.1E-03	8.7E-02	5.6E-02	1.1E-05	3.2E+01	1.9E-01	3.0E+03	2.69E-05	2.11E+03	1.12E+03
75-25-2	Bromoform	2.5E+02	5.4E-04	2.2E-02	3.6E-02	1.0E-05	3.2E+01	1.9E-01	3.1E+03	5.83E-06	4.52E+03	1.13E+03
74-83-9	Bromomethane	9.5E+01	7.3E-03	3.0E-01	1.0E-01	1.4E-05	1.3E+01	7.9E-02	1.5E+04	2.15E-04	7.45E+02	4.11E+03
106-99-0	Butadiene, 1,3-	5.4E+01	7.4E-02	3.0E+00	1.0E-01	1.0E-05	4.0E+01	2.4E-01	7.4E+02	9.66E-04	3.51E+02	4.36E+02
71-36-3	Butanol, N-	7.4E+01	8.8E-06	3.6E-04	9.0E-02	1.0E-05	3.5E+00	2.1E-02	6.3E+04	3.56E-06	5.79E+03	1.23E+04
78-92-2	Butyl alcohol, sec-	7.4E+01	9.1E-06	3.7E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	1.8E+05	3.63E-06	5.73E+03	3.45E+04
104-51-8	Butylbenzene, n-	1.3E+02	1.6E-02	6.5E-01	5.3E-02	7.3E-06	1.5E+03	8.9E+00	1.2E+01	7.20E-06	4.07E+03	1.07E+02
135-98-8	Butylbenzene, sec-	1.3E+02	1.8E-02	7.2E-01	5.3E-02	7.3E-06	1.3E+03	8.0E+00	1.8E+01	8.84E-06	3.67E+03	1.44E+02
98-06-6	Butylbenzene, tert-	1.3E+02	1.3E-02	5.4E-01	5.3E-02	7.4E-06	1.0E+03	6.0E+00	3.0E+01	8.80E-06	3.68E+03	1.83E+02
75-15-0	Carbon Disulfide	7.6E+01	1.4E-02	5.9E-01	1.1E-01	1.3E-05	2.2E+01	1.3E-01	2.2E+03	3.53E-04	5.81E+02	7.33E+02
56-23-5	Carbon Tetrachloride	1.5E+02	2.8E-02	1.1E+00	5.7E-02	9.8E-06	4.4E+01	2.6E-01	7.9E+02	2.43E-04	7.00E+02	4.00E+02
108-90-7	Chlorobenzene	1.1E+02	3.1E-03	1.3E-01	7.2E-02	9.5E-06	2.3E+02	1.4E+00	5.0E+02	1.14E-05	3.24E+03	7.89E+02
109-69-3	Chlorobutane, 1-	9.3E+01	1.7E-02	6.8E-01	7.8E-02	9.3E-06	7.2E+01	4.3E-01	1.1E+03	1.58E-04	8.69E+02	7.12E+02
75-45-6	Chlorodifluoromethane	8.6E+01	4.1E-02	1.7E+00	1.0E-01	1.3E-05	3.2E+01	1.9E-01	2.8E+03	7.02E-04	4.12E+02	1.29E+03
67-66-3	Chloroform	1.2E+02	3.7E-03	1.5E-01	7.7E-02	1.1E-05	3.2E+01	1.9E-01	8.0E+03	6.05E-05	1.40E+03	2.97E+03
74-87-3	Chloromethane	5.0E+01	8.8E-03	3.6E-01	1.2E-01	1.4E-05	1.3E+01	7.9E-02	5.3E+03	3.12E-04	6.18E+02	1.46E+03
88-73-3	Chloronitrobenzene, o-	1.6E+02	9.3E-06	3.8E-04	5.1E-02	8.8E-06	3.7E+02	2.2E+00	4.4E+02	2.44E-07	2.21E+04	1.06E+03
100-00-5	Chloronitrobenzene, p-	1.6E+02	4.9E-06	2.0E-04	5.0E-02	8.5E-06	3.6E+02	2.2E+00	2.3E+02	2.33E-07	2.26E+04	5.29E+02
95-57-8	Chlorophenol, 2-	1.3E+02	1.1E-05	4.6E-04	6.6E-02	9.5E-06	3.1E+02	1.8E+00	1.1E+04	3.21E-07	1.93E+04	2.27E+04
95-49-8	Chlorotoluene, o-	1.3E+02	3.6E-03	1.5E-01	6.3E-02	8.7E-06	3.8E+02	2.3E+00	3.7E+02	7.24E-06	4.06E+03	9.27E+02
106-43-4	Chlorotoluene, p-	1.3E+02	4.4E-03	1.8E-01	6.3E-02	8.7E-06	3.8E+02	2.3E+00	1.1E+02	8.95E-06	3.65E+03	2.58E+02
98-82-8	Cumene	1.2E+02	1.2E-02	4.7E-01	6.0E-02	7.9E-06	7.0E+02	4.2E+00	6.1E+01	1.24E-05	3.10E+03	2.69E+02
110-82-7	Cyclohexane	8.4E+01	1.5E-01	6.1E+00	8.0E-02	9.1E-06	1.5E+02	8.7E-01	5.5E+01	6.55E-04	4.26E+02	7.81E+01
96-12-8	Dibromo-3-chloropropane, 1,2-	2.4E+02	1.5E-04	6.0E-03	3.2E-02	8.9E-06	1.2E+02	6.9E-01	1.2E+03	1.06E-06	1.06E+04	1.07E+03
106-37-6	Dibromobenzene, 1,4-	2.4E+02	8.9E-04	3.7E-02	3.3E-02	9.3E-06	3.8E+02	2.3E+00	2.0E+01	1.19E-06	1.00E+04	4.85E+01
124-48-1	Dibromochloromethane	2.1E+02	7.8E-04	3.2E-02	3.7E-02	1.1E-05	3.2E+01	1.9E-01	2.7E+03	7.88E-06	3.89E+03	9.88E+02
106-93-4	Dibromoethane, 1,2-	1.9E+02	6.5E-04	2.7E-02	4.3E-02	1.0E-05	4.0E+01	2.4E-01	3.9E+03	6.83E-06	4.18E+03	1.61E+03
74-95-3	Dibromomethane (Methylene Bromide)	1.7E+02	8.2E-04	3.4E-02	5.5E-02	1.2E-05	2.2E+01	1.3E-01	1.2E+04	1.39E-05	2.93E+03	3.63E+03
95-50-1	Dichlorobenzene, 1,2-	1.5E+02	1.9E-03	7.8E-02	5.6E-02	8.9E-06	3.8E+02	2.3E+00	1.6E+02	3.60E-06	5.75E+03	3.86E+02
106-46-7	Dichlorobenzene, 1,4-	1.5E+02	2.4E-03	9.9E-02	5.5E-02	8.7E-06	3.8E+02	2.3E+00	8.1E+01	4.45E-06	5.17E+03	1.98E+02
75-71-8	Dichlorodifluoromethane	1.2E+02	3.4E-01	1.4E+01	7.6E-02	1.1E-05	4.4E+01	2.6E-01	2.8E+02	1.57E-03	2.76E+02	3.61E+02
75-34-3	Dichloroethane, 1,1-	9.9E+01	5.6E-03	2.3E-01	8.4E-02	1.1E-05	3.2E+01	1.9E-01	5.0E+03	9.82E-05	1.10E+03	1.90E+03
107-06-2	Dichloroethane, 1,2-	9.9E+01	1.2E-03	4.8E-02	8.6E-02	1.1E-05	4.0E+01	2.4E-01	8.6E+03	2.06E-05	2.40E+03	3.56E+03
75-35-4	Dichloroethylene, 1,1-	9.7E+01	2.6E-02	1.1E+00	8.6E-02	1.1E-05	3.2E+01	1.9E-01	2.4E+03	4.09E-04	5.40E+02	1.04E+03
156-59-2	Dichloroethylene, 1,2-cis-	9.7E+01	4.1E-03	1.7E-01	8.8E-02	1.1E-05	4.0E+01	2.4E-01	6.4E+03	6.82E-05	1.32E+03	2.70E+03
156-60-5	Dichloroethylene, 1,2-trans-	9.7E+01	4.1E-03	1.7E-01	8.8E-02	1.1E-05	4.0E+01	2.4E-01	4.5E+03	6.75E-05	1.33E+03	1.90E+03
78-87-5	Dichloropropane, 1,2-	1.1E+02	2.8E-03	1.2E-01	7.3E-02	9.7E-06	6.1E+01	3.6E-01	2.8E+03	3.06E-05	1.97E+03	1.52E+03
142-28-9	Dichloropropane, 1,3-	1.1E+02	9.8E-04	4.0E-02	7.4E-02	9.8E-06	7.2E+01	4.3E-01	2.8E+03	1.02E-05	3.42E+03	1.67E+03
616-23-9	Dichloropropanol, 2,3-	1.3E+02	3.6E-09	1.5E-07	6.8E-02	9.9E-06	5.6E+00	3.3E-02	6.1E+04	2.98E-06	6.33E+03	1.26E+04
542-75-6	Dichloropropene, 1,3-	1.1E+02	3.6E-03	1.5E-01	7.6E-02	1.0E-05	7.2E+01	4.3E-01	2.8E+03	3.52E-05	1.84E+03	1.72E+03
108-20-3	Diisopropyl Ether	1.0E+02	2.6E-03	1.0E-01	6.5E-02	7.8E-06	2.3E+01	1.4E-01	8.8E+03	4.26E-05	1.67E+03	2.78E+03
123-91-1	Dioxane, 1,4-	8.8E+01	4.8E-06	2.0E-04	8.7E-02	1.1E-05	2.6E+00	1.6E-02	1.0E+06	3.63E-06	5.73E+03	1.89E+05
75-00-3	Ethyl Chloride (Chloroethane	6.5E+01	1.1E-02	4.5E-01	1.0E-01	1.2E-05	2.2E+01	1.3E-01	6.7E+03	2.72E-04	6.62E+02	2.22E+03
637-92-3	Ethyl Tertbutyl Ether	8.8E+01	5.9E-04	2.4E-02	7.5E-02	8.6E-06	1.2E+01	6.9E-02	5.1E+04	1.62E-05	2.71E+03	1.24E+04
100-41-4	Ethylbenzene	1.1E+02	7.9E-03	3.2E-01	6.8E-02	8.5E-06	4.5E+02	2.7E+00	1.7E+02	1.48E-05	2.84E+03	4.85E+02
118-74-1	Hexachlorobenzene	2.8E+02	1.7E-03	7.0E-02	2.9E-02	7.8E-06	6.2E+03	3.7E+01	6.2E-03	1.15E-07	3.21E+04	2.32E-01
87-68-3	Hexachlorobutadiene	2.6E+02	1.0E-02	4.2E-01	2.7E-02	7.0E-06	8.5E+02	5.1E+00	3.2E+00	4.14E-06	5.37E+03	1.69E+01
110-54-3	Hexane, N-	8.6E+01	1.8E+00	7.4E+01	7.3E-02	8.2E-06	1.3E+02	7.9E-01	9.5E+00	1.88E-03	2.52E+02	5.16E+01
591-78-6	Hexanone, 2-	1.0E+02	9.3E-05	3.8E-03	7.0E-02	8.4E-06	1.5E+01	9.0E-02	1.7E+04	3.93E-06	5.51E+03	4.53E+03
78-83-1	Isobutyl Alcoho	7.4E+01	9.8E-06	4.0E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	8.5E+04	3.62E-06	5.74E+03	1.62E+04
78-59-1	Isophorone	1.4E+02	6.6E-06	2.7E-04	5.3E-02	7.5E-06	6.5E+01	3.9E-01	1.2E+04	8.78E-07	1.17E+04	6.77E+03
67-63-0	Isopropanol	6.0E+01	8.1E-06	3.3E-04	1.0E-01	1.1E-05	1.5E+00	9.2E-03	1.0E+06	4.18E-06	5.34E+03	1.82E+05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	7.2E+01	5.7E-05	2.3E-03	9.1E-02	1.0E-05	4.5E+00	2.7E-02	2.2E+05	5.18E-06	4.80E+03	4.46E+04
1634-04-4	Methyl tert-Butyl Ether (MTBE	8.8E+01	5.9E-04	2.4E-02	7.5E-02	8.6E-06	1.2E+01	6.9E-02	5.1E+04	1.62E-05	2.71E+03	1.24E+04
75-09-2	Methylene Chloride	8.5E+01	3.3E-03	1.3E-01	1.0E-01	1.3E-05	2.2E+01	1.3E-01	1.3E+04	8.34E-05	1.20E+03	4.05E+03
91-20-3	~Naphthalene	1.3E+02	4.4E-04	1.8E-02	6.0E-02	8.4E-06	1.5E+03	9.3E+00	3.1E+01	2.74E-07	2.09E+04	2.93E+02
103-65-1	Propyl benzene	1.2E+02	1.1E-02	4.3E-01	6.0E-02	7.8E-06	8.1E+02	4.9E+00	5.2E+01	9.74E-06	3.50E+03	2.65E+02
115-07-1	Propylene	4.2E+01	2.0E-01	8.0E+00	1.1E-01	1.1E-05	2.2E+01	1.3E-01	2.0E+02	2.11E-03	2.38E+02	1.58E+02
100-42-5	Styrene	1.0E+02	2.8E-03	1.1E-01	7.1E-02	8.8E-06	4.5E+02	2.7E+00	3.1E+02	5.50E-06	4.66E+03	8.85E+02
75-65-0	Tert-Butyl Alcoho	7.4E+01	9.8E-06	4.0E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	8.5E+04	3.62E-06	5.74E+03	1.62E+04
630-20-6	Tetrachloroethane, 1,1,1,2-	1.7E+02	2.5E-03	1.0E-01	4.8E-02	9.1E-06	8.6E+01	5.2E-01	1.1E+03	1.42E-05	2.89E+03	7.44E+02
79-34-5	Tetrachloroethane, 1,1,2,2-	1.7E+02	3.7E-04	1.5E-02	4.9E-02	9.3E-06	9.5E+01	5.7E-01	2.8E+03	2.65E-06	6.71E+03	2.10E+03
127-18-4	Tetrachloroethylene	1.7E+02	1.8E-02	7.2E-01	5.0E-02	9.5E-06	9.5E+01	5.7E-01	2.1E+02	8.88E-05	1.16E+03	1.62E+02
108-88-3	Toluene	9.2E+01	6.6E-03	2.7E-01	7.8E-02	9.2E-06	2.3E+02	1.4E+00	5.3E+02	2.55E-05	2.16E+03	8.38E+02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.9E+02	5.3E-01	2.2E+01	3.8E-02	8.6E-06	2.0E+02	1.2E+00	1.7E+02	5.76E-04	4.55E+02	4.52E+02
87-61-6	Trichlorobenzene, 1,2,3-	1.8E+02	1.3E-03	5.1E-02	4.0E-02	8.4E-06	1.4E+03	8.3E+00	1.8E+01	5.14E-07	1.52E+04	1.53E+02
120-82-1	Trichlorobenzene, 1,2,4-	1.81E+02	1.42E-03	5.81E-02	3.96E-02	8.40E-06	1.36E+03	8.1E+00	4.90E+01	5.87E-07	1.42E+04	4.07E+02
71-55-6	Trichloroethane, 1,1,1-	1.3E+02	1.7E-02	7.0E-01	6.5E-02	9.6E-06	4.4E+01	2.6E-01	1.3E+03	1.82E-04	8.10E+02	6.18E+02
79-00-5	Trichloroethane, 1,1,2-	1.3E+02	8.2E-04	3.4E-02	6.7E-02	1.0E-05	6.1E+01	3.6E-01	4.6E+03	9.08E-06	3.62E+03	2.48E+03
79-01-6	Trichloroethylene	1.3E+02	9.9E-03	4.0E-01	6.9E-02	1.0E-05	6.1E+01	3.6E-01	1.3E+03	9.45E-05	1.12E+03	7.19E+02
75-69-4	Trichlorofluoromethane	1.4E+02	9.7E-02	4.0E+00	6.5E-02	1.0E-05	4.4E+01	2.6E-01	1.1E+03	7.27E-04	4.05E+02	7.45E+02
598-77-6	Trichloropropane, 1,1,2-	1.5E+02	3.2E-04	1.3E-02	5.7E-02	9.2E-06	9.5E+01	5.7E-01	1.9E+03	2.66E-06	6.70E+03	1.41E+03
96-18-4	Trichloropropane, 1,2,3-	1.5E+02	3.4E-04	1.4E-02	5.7E-02	9.2E-06	1.2E+02	6.9E-01	1.8E+03	2.42E-06	7.02E+03	1.52E+03
96-19-5	Trichloropropene, 1,2,3-	1.5E+02	1.8E-02	7.2E-01	5.9E-02	9.4E-06	1.2E+02	6.9E-01	4.8E+02	8.91E-05	1.16E+03	4.41E+02
95-63-6	Trimethylbenzene, 1,2,4-	1.2E+02	6.2E-03	2.5E-01	6.1E-02	7.9E-06	6.1E+02	3.7E+00	5.7E+01	7.61E-06	3.96E+03	2.21E+02
108-67-8	Trimethylbenzene, 1,3,5-	1.2E+02	8.8E-03	3.6E-01	6.0E-02	7.8E-06	6.0E+02	3.6E+00	4.8E+01	1.09E-05	3.31E+03	1.84E+02
108-05-4	Vinyl Acetate	8.6E+01	5.1E-04	2.1E-02	8.5E-02	1.0E-05	5.6E+00	3.3E-02	2.0E+04	1.92E-05	2.49E+03	4.16E+03
593-60-2	Vinyl Bromide	1.1E+02	1.2E-02	5.0E-01	8.6E-02	1.2E-05	2.2E+01	1.3E-01	1.0E+04	2.48E-04	6.93E+02	3.46E+03
75-01-4	Vinyl Chloride	6.3E+01	2.8E-02	1.1E+00	1.1E-01	1.2E-05	2.2E+01	1.3E-01	8.8E+03	6.22E-04	4.38E+02	3.28E+03
106-42-3	Xylene, P-	1.1E+02	6.9E-03	2.8E-01	6.8E-02	8.4E-06	3.8E+02	2.3E+00	1.6E+02	1.52E-05	2.80E+03	3.96E+02
108-38-3	Xylene, m-	1.1E+02	7.2E-03	2.9E-01	6.8E-02	8.4E-06	3.8E+02	2.3E+00	1.6E+02	1.58E-05	2.75E+03	3.93E+02
95-47-6	Xylene, o-	1.1E+02	5.2E-03	2.1E-01	6.9E-02	8.5E-06	3.8E+02	2.3E+00	1.8E+02	1.14E-05	3.24E+03	4.42E+02
1330-20-7	Xylenes	1.1E+02	5.2E-03	2.1E-01	8.5E-02	9.9E-06	3.8E+02	2.3E+00	1.1E+02	1.40E-05	2.92E+03	2.63E+02

Q/C	6.62
Exp. Interval (s)	31536000
Bulk Density	1.63
Air filled	0.099
Water Filled	0.282
Total Porosity	0.381
org carbon	0.006

where:
VF (m^3/kg) = $Q/C \times (3.14 \times D_A \times T)^{1/2} \times 10^{-4} (m^2/cm^2) / (2 \times P_b \times D_A)$
and:
$DA = [(O_a^{10/3} D_i H' + O_w^{10/3} D_w)/n^2] / P_b K_d + O_w + O_a H'$

Sources: EPA, 1996. Soil Screening Guidance: Technical Background Document. May.
EPA, 2001. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Peer Review Draft. March.

Assumptions: The soil surface has an unlimited erosion potential.
The surface soil is comprised of fine sand.
Highly erodible soils do not retain moisture.
The ground surface is comprised only of soil containing 50 percent vegetative cover.
No portion of the property is paved or contains structures (e.g., surfaces with limited erosion potential.)

$PEF = Q/C \times [3{,}600\ s/hr / (0.036 \times (1-V) \times (U_m/U_t)^3 \times F(x))]$

$Q/C = A \times \exp [(\ln A_{site} - B)^2 / C]$

Where:

PEF = Particluate emission factor of annual average PM_{10} impacted fugitive dust emissions (m^3/kg);
PM_{10} = Respirable fraction, particles less than 10 um in diameter;
Q/C = Inverse of mean concentration at center of source (g/m^2-s per kg/m^2);
A, B, C = Constants based on air dispersion modeling for Los Angeles, CA, from EPA 2001;
A_{site} = Areal extent of site or contamination (acres);
0.036 = Respirable fraction (g/m^2-hr);
V = Fraction of impacted surface with vegetative cover (unitless);
U_m = Mean annual wind speed (m/s), from EPA 1996, 2001;
U_t = Equivalent threshold value of windspeed at 7 m (m/s), from EPA 1996, 2001;
F(x) = Function dependent on U_m/U_t derived using Cowherd et al. 1985 (unitless), from EPA 1996, 2001.

A	B	C	A_{site}	Q/C	V	U_m	U_t	F(x)	PEF
2.4538	17.566	189.0426	48	6.62	0.5	4.69	11.32	0.194	9.59E+07

SITE SPECIFIC HAZARD INDEX (CONSTRUCTION) - TARGET REMEDIATION GOAL CONCENTRATIONS - HYPOTHETICAL FUTURE CONSTRUCTION WORKER
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

General Exposure Factors		Adult
Exposure Duration	(yrs)	1
Body Weight	(kg)	80
Averaging Time	(days)	365
Averaging Time	(hours)	8760
Hours per day	(hours)	8
Dermal exposure factors		
Skin Surface Area	(cm^2/day)	6032
Soil to Skin Adherence Factor	(mg/cm^2)	0.8
Dermal Absorption Factor	(unitless)	Chemical Specific
Exposure Frequency	(days/yr)	250
Ingestion Exposure Factors		
Soil Ingestion Rate	(mg/day)	330
Absorption Rate	(unitless)	1
Exposure Frequency	(days/yr)	250
Inhalation Exposure Factors		
Exposure Frequency	(days/yr)	250

Exposure Pathway: Dermal Contact and Soil Ingestion

Chemical	((Cs (mg/kg)	/	RfD) (mg/kg-day)	*	2.8E-06 (mg/kg-day) (Note #1)	+	((Cs	/	RfD) (mg/kg-day)	*	4.1E-05 (mg/kg-day) (Note #2)	*	ABS (unitless)	=	Hazard Quotient (Note #3)
Benzyl alcohol	0.89	/	1.0E-01	*	2.8E-06	+	0.89	/	1.0E-01	*	4.1E-05	*	0.1	=	6.2E-05
bis(2-Ethylhexyl)phthalate	3.92	/	2.0E-02	*	2.8E-06	+	3.92	/	2.0E-02	*	4.1E-05	*	0.1	=	1.4E-03
Butyl benzylphthalate	0.63	/	2.0E-01	*	2.8E-06	+	0.63	/	2.0E-01	*	4.1E-05	*	0.1	=	2.2E-05
Diethyl phthalate	0.268	/	8.0E-01	*	2.8E-06	+	0.268	/	8.0E-01	*	4.1E-05	*	0.1	=	2.3E-06
Antimony	10.7	/	4.0E-04	*	2.8E-06	+	10.7	/	4.0E-04	*	4.1E-05	*	0.01	=	8.7E-02
Cadmium	5.15	/	5.0E-04	*	2.8E-06	+	5.15	/	5.0E-04	*	4.1E-05	*	0.001	=	3.0E-02
Hexavalent Chromium	1.8	/	2.0E-02	*	2.8E-06	+	1.8	/	2.0E-02	*	4.1E-05	*	0	=	2.5E-04
Cobalt	*0*	/	3.0E-04	*	2.8E-06	+	0	/	3.0E-04	*	4.1E-05	*	0.01	=	0.0E+00
Copper	*0*	/	4.0E-02	*	2.8E-06	+	0	/	4.0E-02	*	4.1E-05	*	0.01	=	0.0E+00
Nickel	**0**	/	1.1E-02	*	2.8E-06	+	0	/	1.1E-02	*	4.1E-05	*	0.01	=	0.0E+00
Selenium	*0*	/	5.0E-03	*	2.8E-06	+	0	/	5.0E-03	*	4.1E-05	*	0.01	=	0.0E+00
Zinc	215	/	3.0E-01	*	2.8E-06	+	215	/	3.0E-01	*	4.1E-05	*	0.01	=	2.3E-03
Total PCBs	1	/	2.0E-05	*	2.8E-06	+	1	/	2.0E-05	*	4.1E-05	*	0.15	=	4.5E-01
1,1-Dichloroethane	2.6	/	2.0E-01	*	2.8E-06	+	2.6	/	2.0E-01	*	4.1E-05	*	0	=	3.7E-05
1,1-Dichloroethene	1.4	/	5.0E-02	*	2.8E-06	+	1.4	/	5.0E-02	*	4.1E-05	*	0	=	7.9E-05
1,1,1-Trichloroethane	21.9	/	2.0E+00	*	2.8E-06	+	21.9	/	2.0E+00	*	4.1E-05	*	0	=	3.1E-05
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.027	/	3.0E+01	*	2.8E-06	+	0.027	/	3.0E+01	*	4.1E-05	*	0	=	2.5E-09
1,2-Dichloroethane	0.041	/	6.0E-03	*	2.8E-06	+	0.041	/	6.0E-03	*	4.1E-05	*	0	=	1.9E-05
1,1,2-Trichloroethane	1.7	/	4.0E-03	*	2.8E-06	+	1.7	/	4.0E-03	*	4.1E-05	*	0	=	1.2E-03
1,2,3-Trichloropropane	0	/	4.0E-03	*	2.8E-06	+	0	/	4.0E-03	*	4.1E-05	*	0	=	0.0E+00
1,2,4-Trimethylbenzene	1.9	/	na	*	2.8E-06	+	1.9	/	na	*	4.1E-05	*	0	=	na
1,3,5-Trimethylbenzene	0.541	/	1.0E-02	*	2.8E-06	+	0.541	/	1.0E-02	*	4.1E-05	*	0	=	1.5E-04
2-Butanone	0.045	/	6.0E-01	*	2.8E-06	+	0.045	/	6.0E-01	*	4.1E-05	*	0	=	2.1E-07
Acetone	0.28	/	9.0E-01	*	2.8E-06	+	0.28	/	9.0E-01	*	4.1E-05	*	0	=	8.8E-07
Benzene	1.1	/	4.0E-03	*	2.8E-06	+	1.1	/	4.0E-03	*	4.1E-05	*	0	=	7.8E-04
Carbon disulfide	0.0029	/	1.0E-01	*	2.8E-06	+	0.0029	/	1.0E-01	*	4.1E-05	*	0	=	8.2E-08
Chloroform	0.0064	/	1.0E-02	*	2.8E-06	+	0.0064	/	1.0E-02	*	4.1E-05	*	0	=	1.8E-06
cis-1,2-Dichloroethene	13.2	/	2.0E-03	*	2.8E-06	+	13.2	/	2.0E-03	*	4.1E-05	*	0	=	1.9E-02
Dichlorodifluoromethane	0.0016	/	2.0E-01	*	2.8E-06	+	0.0016	/	2.0E-01	*	4.1E-05	*	0	=	2.3E-08
Ethylbenzene	5.4	/	1.0E-01	*	2.8E-06	+	5.4	/	1.0E-01	*	4.1E-05	*	0	=	1.5E-04
Isopropylbenzene	0.166	/	1.0E-01	*	2.8E-06	+	0.166	/	1.0E-01	*	4.1E-05	*	0	=	4.7E-06
Isopropyltoluene (surrogate=isopropylbenzene)	0.237	/	1.0E-01	*	2.8E-06	+	0.237	/	1.0E-01	*	4.1E-05	*	0	=	6.7E-06
Methylene chloride	0.0013	/	6.0E-03	*	2.8E-06	+	0.0013	/	6.0E-03	*	4.1E-05	*	0	=	6.1E-07
n-Propylbenzene	0.39	/	1.0E-01	*	2.8E-06	+	0.39	/	1.0E-01	*	4.1E-05	*	0	=	1.1E-05
Napthalene	1.13	/	2.0E-02	*	2.8E-06	+	1.13	/	2.0E-02	*	4.1E-05	*	0	=	1.6E-04
sec-Butylbenzene	0.15	/	5.0E-02	*	2.8E-06	+	0.15	/	5.0E-02	*	4.1E-05	*	0	=	8.5E-06
Styrene	0.0022	/	2.0E-01	*	2.8E-06	+	0.0022	/	2.0E-01	*	4.1E-05	*	0	=	3.1E-08
Tetrachloroethene	*4.1*	/	6.0E-03	*	2.8E-06	+	4.1	/	6.0E-03	*	4.1E-05	*	0	=	1.9E-03
Toluene	24.9	/	8.0E-02	*	2.8E-06	+	24.9	/	8.0E-02	*	4.1E-05	*	0	=	8.8E-04
trans-1,2-Dichloroethene	0.0871	/	2.0E-02	*	2.8E-06	+	0.0871	/	2.0E-02	*	4.1E-05	*	0	=	1.2E-05
Trichloroethene	*1.4*	/	5.0E-04	*	2.8E-06	+	1.4	/	5.0E-04	*	4.1E-05	*	0	=	7.9E-03
Xylenes	11.2	/	2.0E-01	*	2.8E-06	+	11.2	/	2.0E-01	*	4.1E-05	*	0	=	1.6E-04

Total Soil Ingestion and Dermal Hazard Index: 0.60

Exposure Pathway: Inhalation of Particulates

Chemical	1.0E-06 (kg/m^3) (Note #4)	*	EC (ug/m3) (Note #5)	/	RfCi (ug/m^3)	=	Hazard Quotient (Note #6)
Benzyl alcohol	1.0E-06	*	2.0E-04	/	na	=	na
bis(2-Ethylhexyl)phthalate	1.0E-06	*	8.9E-04	/	na	=	na
Butyl benzylphthalate	1.0E-06	*	1.4E-04	/	na	=	na
Diethyl phthalate	1.0E-06	*	6.1E-05	/	na	=	na
Antimony	1.0E-06	*	2.4E-03	/	na	=	na
Cadmium	1.0E-06	*	1.2E-03	/	2.0E-02	=	5.9E-02
Hexavalent Chromium	1.0E-06	*	4.1E-04	/	2.0E-01	=	2.1E-03
Cobalt	1.0E-06	*	0.0E+00	/	6.0E-03	=	0.0E+00
Copper	1.0E-06	*	0.0E+00	/	na	=	na
Nickel	1.0E-06	*	0.0E+00	/	1.4E-02	=	0.0E+00
Selenium	1.0E-06	*	0.0E+00	/	2.0E+01	=	0.0E+00
Vanadium	1.0E-06	*	0.0E+00	/	1.0E-01	=	na
Zinc	1.0E-06	*	4.9E-02	/	na	=	na
Total PCBs	1.0E-06	*	2.3E-04	/	na	=	na

Total Inhalation of Particulates Hazard Index: 0.061

Exposure Pathway: Inhalation of volatiles in ambient air (from soil concentrations)

Chemical	EC (ug/m3) (Note #7)	/	RfCi (ug/m^3)	=	Hazard Quotient (Note #8)
1,1-Dichloroethane	5.4E-01	/	7.00E+02	=	7.7E-04
1,1-Dichloroethene	5.9E-01	/	7.0E+01	=	8.5E-03
1,1,1-Trichloroethane	6.2E+00	/	1.0E+03	=	6.2E-03
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.4E-02	/	3.0E+04	=	4.5E-07
1,2-Dichloroethane	3.9E-03	/	4.0E+02	=	9.7E-06
1,1,2-Trichloroethane	1.1E-01	/	1.4E+01	=	7.7E-03
1,2,3-Trichloropropane	0.0E+00	/	3.0E-01	=	0.0E+00
1,2,4-Trimethylbenzene	1.1E-01	/	7.0E+00	=	1.6E-02
1,3,5-Trimethylbenzene	3.7E-02	/	6.0E+00	=	6.2E-03
2-Butanone	2.1E-03	/	5.0E+03	=	4.3E-07
Acetone	1.4E-02	/	3.1E+04	=	4.4E-07
Benzene	1.4E-01	/	3.0E+01	=	4.7E-03
Carbon disulfide	1.1E-03	/	8.0E+02	=	1.4E-06
Chloroform	1.0E-03	/	3.0E+02	=	3.5E-06
cis-1,2-Dichloroethene	2.3E+00	/	3.5E+01	=	6.5E-02
Dichlorodifluoromethane	1.3E-03	/	1.0E+02	=	1.3E-05
Diisopropyl ether	0.0E+00	/	7.0E+02	=	0.0E+00
Ethylbenzene	4.3E-01	/	2.0E+03	=	2.2E-04
Isopropylbenzene	1.2E-02	/	4.0E+02	=	3.1E-05
Isopropyltoluene (surrogate=isopropylbenzene)	1.7E-02	/	4.0E+02	=	4.4E-05
Methylene chloride	2.5E-04	/	4.0E+02	=	6.2E-07
n-Propylbenzene	2.5E-02	/	1.0E+03	=	2.5E-05
Napthalene	1.2E-02	/	9.0E+00	=	1.4E-03
sec-Butylbenzene	9.3E-03	/	na	=	na
Styrene	1.1E-04	/	9.0E+02	=	1.2E-07
Tetrachloroethene	8.1E-01	/	3.5E+01	=	2.3E-02
Toluene	2.6E+00	/	3.0E+02	=	8.8E-03
trans-1,2-Dichloroethene	1.5E-02	/	6.0E+01	=	2.5E-04
Trichloroethene	2.8E-01	/	2.0E+00	=	1.4E-01
Xylenes	8.7E-01	/	7.0E+02	=	1.2E-03

Total Inhalations of Volatiles Hazard Index: 0.29

Total Harzard Index: 1.0

Target Remediation Goal
ABS = Dermal Absorption Factor
na = not applicable
Italicized concentrations are 95% Upper Confidence Levels
#1: Ingestion Factor = ((Injestion Rate) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#2: Dermal Contact Factor = ((Skin Surface Area) x (Soil to Skin Adherence Factor) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#3: Hazard Quotient (oral + dermal) = [(Soil Concentration) / (Reference Dose for Soil Ingestion) x (Ingestion Factor)] + [(Soil Concentration) x (Reference Dose for Dermal Contact) x (Dermal Contact Factor) x (ABS)]
#4: Particulate Emission Factor = 1.0E-6 = 1/1000000 (the inverse of the default particulate emission factor for construction workers)
#5: Expsoure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#6: Hazard Quotient (Inhalation of Non-Volatile Particulates in Ambient Air) = (Concentration in Ambient Air)x (Particulate Emission Factor) / (Reference Concentration for Inhalation)
#7: Expsoure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#8: Hazard Quotient (Inhalation of Volatiles in Ambient Air) = (Exposure Concentration) / (Reference Concentration for Inhalation)

SITE-SPECIFIC CARCINOGENIC RISK ESTIMATE (CONSTRUCTION) - TARGET REMEDIATION GOAL CONCENTRATIONS - HYPOTHETICAL FUTURE CONSTRUCTION WORKER
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

General Exposure Factors		Adult
Exposure Duration	(yrs)	1
Body Weight	(kg)	80
Averaging Time	(days)	25550
Averaging Time	(hours)	613200
Hours per Day	(hours)	8
Dermal exposure factors		
Skin Surface Area	(cm^2/day)	6032
Soil to Skin Adherence Factor	(mg/cm^2)	0.8
Dermal Absorption Factor	(unitless)	Chemical Specific
Exposure Frequency	(days/yr)	250
Ingestion Exposure Factors		
Soil Ingestion Rate	(mg/day)	330
Absorption Rate	(unitless)	1
Exposure Frequency	(days/yr)	250
Inhalation Exposure Factors		
Exposure Frequency	(days/yr)	250

Exposure Pathway: Soil Ingestion + Dermal Contact

Chemical	**(Cs (mg/kg)**	*	**4.0E-08 (mg/kg-day) (Note #1)**	*	**SFo) ($(mg/kg\text{-}day)^{-1}$**	+	**(SFo ($(mg/kg\text{-}day)^{-1}$**	*	**Cs (mg/kg)**	*	**5.9E-07 (mg/kg-day) (Note #2)**	*	**ABS) (unitless)**	=	**Excess Cancer Risk (Note 3)**
Benzyl alcohol	0.89	*	4.0E-08	*	na	+	na	*	0.89	*	5.9E-07	*	0.1	=	na
bis(2-Ethylhexyl)phthalate	3.92	*	4.0E-08	*	1.40E-02	+	1.40E-02	*	3.92	*	5.9E-07	*	0.1	=	5.5E-09
Butyl benzylphthalate	0.63	*	4.0E-08	*	1.90E-03	+	1.90E-03	*	0.63	*	5.9E-07	*	0.1	=	1.2E-10
Diethyl phthalate	0.268	*	4.0E-08	*	na	+	na	*	0.268	*	5.9E-07	*	0.1	=	na
Antimony	10.7	*	4.0E-08	*	na	+	na	*	10.7	*	5.9E-07	*	0.01	=	na
Cadmium	5.15	*	4.0E-08	*	na	+	na	*	5.15	*	5.9E-07	*	0.001	=	na
Hexavalent Chromium	1.8	*	4.0E-08	*	na	+	na	*	1.8	*	5.9E-07	*	0	=	na
Cobalt	*0*	*	4.0E-08	*	na	+	na	*	0	*	5.9E-07	*	0.01	=	na
Copper	*0*	*	4.0E-08	*	na	+	na	*	0	*	5.9E-07	*	0.01	=	na
Nickel	**0**	*	4.0E-08	*	0.91	+	0.91	*	0	*	5.9E-07	*	0.01	=	0.0E+00
Selenium	*0*	*	4.0E-08	*	na	+	na	*	0	*	5.9E-07	*	0.01	=	na
Zinc	215	*	4.0E-08	*	na	+	na	*	215	*	5.9E-07	*	0.01	=	na
Total PCBs	1	*	4.0E-08	*	2.00E+00	+	2.00E+00	*	1	*	5.9E-07	*	0.15	=	2.6E-07
1,1-Dichloroethane	2.6	*	4.0E-08	*	5.70E-03	+	5.70E-03	*	2.6	*	5.9E-07	*	0	=	6.0E-10
1,1-Dichloroethene	1.4	*	4.0E-08	*	na	+	na	*	1.4	*	5.9E-07	*	0	=	na
1,1,1-Trichloroethane	21.9	*	4.0E-08	*	na	+	na	*	21.9	*	5.9E-07	*	0	=	na
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.027	*	4.0E-08	*	na	+	na	*	0.027	*	5.9E-07	*	0	=	na
1,2-Dichloroethane	0.041	*	4.0E-08	*	4.70E-02	+	4.70E-02	*	0.041	*	5.9E-07	*	0	=	7.8E-11
1,1,2-Trichloroethane	1.7	*	4.0E-08	*	7.20E-02	+	7.20E-02	*	1.7	*	5.9E-07	*	0	=	4.9E-09
1,2,3-Trichloropropane	0	*	4.0E-08	*	3.00E+01	+	3.00E+01	*	0	*	5.9E-07	*	0	=	0.0E+00
1,2,4-Trimethylbenzene	1.9	*	4.0E-08	*	na	+	na	*	1.9	*	5.9E-07	*	0	=	na
1,3,5-Trimethylbenzene	0.541	*	4.0E-08	*	na	+	na	*	0.541	*	5.9E-07	*	0	=	na
2-Butanone	0.045	*	4.0E-08	*	na	+	na	*	0.045	*	5.9E-07	*	0	=	na
Acetone	0.28	*	4.0E-08	*	na	+	na	*	0.28	*	5.9E-07	*	0	=	na
Benzene	1.1	*	4.0E-08	*	1.00E-01	+	1.00E-01	*	1.1	*	5.9E-07	*	0	=	4.4E-09
Carbon disulfide	0.0029	*	4.0E-08	*	na	+	na	*	0.0029	*	5.9E-07	*	0	=	na
Chloroform	0.0064	*	4.0E-08	*	3.10E-02	+	3.10E-02	*	0.0064	*	5.9E-07	*	0	=	8.0E-12
cis-1,2-Dichloroethene	13.2	*	4.0E-08	*	na	+	na	*	13.2	*	5.9E-07	*	0	=	na
Dichlorodifluoromethane	0.0016	*	4.0E-08	*	na	+	na	*	0.0016	*	5.9E-07	*	0	=	na
Ethylbenzene	5.4	*	4.0E-08	*	1.10E-02	+	1.10E-02	*	5.4	*	5.9E-07	*	0	=	2.4E-09
Isopropylbenzene	0.166	*	4.0E-08	*	na	+	na	*	0.166	*	5.9E-07	*	0	=	na
Isopropyltoluene (surrogate=isopropylbenzene)	0.237	*	4.0E-08	*	na	+	na	*	0.237	*	5.9E-07	*	0	=	na
Methylene chloride	0.0013	*	4.0E-08	*	1.40E-02	+	1.40E-02	*	0.0013	*	5.9E-07	*	0	=	7.3E-13
n-Propylbenzene	0.39	*	4.0E-08	*	na	+	na	*	0.39	*	5.9E-07	*	0	=	na
Napthalene	1.13	*	4.0E-08	*	na	+	na	*	1.13	*	5.9E-07	*	0	=	na
sec-Butylbenzene	0.15	*	4.0E-08	*	na	+	na	*	0.15	*	5.9E-07	*	0	=	na
Styrene	0.0022	*	4.0E-08	*	na	+	na	*	0.0022	*	5.9E-07	*	0	=	na
Tetrachloroethene	*4.1*	*	4.0E-08	*	5.40E-01	+	5.40E-01	*	4.1	*	5.9E-07	*	0	=	8.9E-08
Toluene	24.9	*	4.0E-08	*	na	+	na	*	24.9	*	5.9E-07	*	0	=	na
trans-1,2-Dichloroethene	0.0871	*	4.0E-08	*	na	+	na	*	0.0871	*	5.9E-07	*	0	=	na
Trichloroethene	*1.4*	*	4.0E-08	*	5.90E-03	+	5.90E-03	*	1.4	*	5.9E-07	*	0	=	3.3E-10
Xylenes	11.2	*	4.0E-08	*	na	+	na	*	11.2	*	5.9E-07	*	0	=	na
											Total Cancer Risk Dermal and Soil Ingestion:				**4E-07**

Exposure Pathway: Inhalation of Particulates (for non-volatiles)

Chemical	**1.0E-06 (kg/m^3) (Note #4)**		**EC (ug/kg) (Note #5)**	*	**IUR (µg/cubic meter)-1**	=	**Excess Cancer Risk (Note #6)**
Benzyl alcohol	1.0.E-06		2.9.E-06	*	na	=	na
bis(2-Ethylhexyl)phthalate	1.0.E-06		1.3.E-05	*	2.40E-06	=	3.1E-11
Butyl benzylphthalate	1.0.E-06		2.1.E-06	*	na	=	na
Diethyl phthalate	1.0.E-06		8.7.E-07	*	na	=	na
Antimony	1.0.E-06		3.5.E-05	*	na	=	na
Cadmium	1.0.E-06		1.7.E-05	*	4.2E-04	=	7.1E-09
Hexavalent Chromium	1.0.E-06		5.9.E-06	*	1.5E-01	=	8.8E-07
Cobalt	1.0.E-06		0.0.E+00	*	9.0E-03	=	0.0E+00
Copper	1.0.E-06		0.0.E+00	*	na	=	na
Nickel	1.0.E-06		0.0.E+00	*	2.6E-04	=	0.0E+00
Selenium	1.0.E-06		0.0.E+00	*	na	=	na
Zinc	1.0.E-06		7.0.E-04	*	na	=	na
Total PCBs	1.0.E-06		3.3.E-06	*	5.70E-04	=	1.9E-09
			Total Cancer Risk Inhalation of Nonvolatiles:				**9E-07**

Exposure Pathway: Inhalation of volatiles in ambient air (from soil concentrations)

Chemical	**EC (ug/m3) (Note #7)**	*	**IUR (µg/cubic meter)-1**	=	**Excess Cancer Risk (Note #8)**
1,1-Dichloroethane	7.7E-03	*	1.6E-06	=	1.2E-08
1,1-Dichloroethene	8.5E-03	*	na	=	na
1,1,1-Trichloroethane	8.8E-02	*	na	=	na
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.9E-04	*	na	=	na
1,2-Dichloroethane	5.6E-05	*	2.1E-05	=	1.2E-09
1,1,2-Trichloroethane	1.5E-03	*	1.6E-05	=	2.4E-08
1,2,3-Trichloropropane	0.0E+00	*	8.6E-03	=	0.0E+00
1,2,4-Trimethylbenzene	1.6E-03	*	na	=	na
1,3,5-Trimethylbenzene	5.3E-04	*	na	=	na
2-Butanone	3.1E-05	*	na	=	na
Acetone	1.9E-04	*	na	=	na
Benzene	2.0E-03	*	2.9E-05	=	5.8E-08
Carbon disulfide	1.6E-05	*	na	=	na
Chloroform	1.5E-05	*	5.3E-06	=	7.9E-11
cis-1,2-Dichloroethene	3.3E-02	*	na	=	na
Dichlorodifluoromethane	1.9E-05	*	na	=	na
Ethylbenzene	6.2E-03	*	2.5E-06	=	1.5E-08
Isopropylbenzene	1.7E-04	*	na	=	na
Isopropyltoluene (surrogate=isopropylbenzene)	2.5E-04	*	na	=	na
Methylene chloride	3.5E-06	*	1.0E-06	=	3.5E-12
n-Propylbenzene	3.6E-04	*	na	=	na
Napthalene	1.8E-04	*	3.4E-05	=	6.0E-09
sec-Butylbenzene	1.3E-04	*	na	=	na
Styrene	1.5E-06	*	na	=	na
Tetrachloroethene	1.2E-02	*	5.9E-06	=	6.8E-08
Toluene	3.8E-02	*	na	=	na
trans-1,2-Dichloroethene	2.1E-04	*	na	=	na
Trichloroethene	4.1E-03	*	4.1E-06	=	1.7E-08
Xylenes	1.2E-02	*	na	=	na
	Total Cancer Risk Inhalation of Volatiles				**2E-07**

Total Cancer Risk: **1E-06**

Target Remediation Goal
na = not applicable
ABS = Dermal Absorption Factor
Italicized concentrations are 95% Upper Confidence Levels
#1: Ingestion Factor = ((Ingestion Rate) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#2: Dermal Contact Factor = ((Skin Surface Area) x (Soil to Skin Adherence Factor) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#3: Cancer Risk (oral + dermal) = [(Soil Concentration) x (Ingestion Factor) x (Slope Factor for Soil Ingestion)] + [(Slope Factor for Dermal Contact) x (Soil Concentration) x (Dermal Contact Factor) x (ABS)]
#4: Particulate Emission Factor = 1.0E-6 = 1/1000000 (the inverse of the default particulate emission factor for construction workers)
#5: Exposure Concentration (EC) = ((concentration in air) * (Particulate Emission Factor) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#6: Cancer Risk (Inhalation of Particulates in Ambient Air) = (Expsosure Concentration) x (Inhalation Unit Risk Factor)
#7 Exposure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#8: Cancer Risk (Inhalation of Volatiles in Ambient Air) = (Expsosure Concentration) x (Inhalation Unit Risk Factor)

CHEMICAL	CONCENTRATION IN SOIL (MG/KG)	VOLATILZATION FACTOR M^3/KG	CONCENTRATION IN AMBIENT AIR (MG/M^3)
1,1-Dichloroethane	2.6E+00	1.10E+03	2.4E-03
1,1-Dichloroethene	1.4E+00	5.40E+02	2.6E-03
1,1,1-Trichloroethane	2.2E+01	8.10E+02	2.7E-02
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7E-02	4.55E+02	5.9E-05
1,2-Dichloroethane	4.1E-02	2.40E+03	1.7E-05
1,1,2-Trichloroethane	1.7E+00	3.62E+03	4.7E-04
1,2,4-Trimethylbenzene	1.9E+00	3.96E+03	4.8E-04
1,3,5-Trimethylbenzene	5.4E-01	3.31E+03	1.6E-04
2-Butanone (MEK)	4.5E-02	4.80E+03	9.4E-06
Acetone	2.8E-01	4.72E+03	5.9E-05
Benzene	1.1E+00	1.80E+03	6.1E-04
Carbon disulfide	2.9E-03	5.81E+02	5.0E-06
Chloroform	6.4E-03	1.40E+03	4.6E-06
cis-1,2-Dichloroethene	1.3E+01	1.32E+03	1.0E-02
Dichlorodifluoromethane	1.6E-03	2.76E+02	5.8E-06
Ethylbenzene	5.4E+00	2.84E+03	1.9E-03
Isopropylbenzene (Cumene)	1.7E-01	3.10E+03	5.3E-05
Isopropyltoluene (Cymene)	2.4E-01	3.10E+03	7.6E-05
Methylene chloride	1.3E-03	1.20E+03	1.1E-06
n-Propylbenzene	3.9E-01	3.50E+03	1.1E-04
Naphthalene	1.1E+00	2.09E+04	5.4E-05
sec-Butylbenzene	1.5E-01	3.67E+03	4.1E-05
Styrene	2.2E-03	4.66E+03	4.7E-07
Tetrachloroethene	4.1E+00	1.16E+03	3.5E-03
Toluene	2.5E+01	2.16E+03	1.2E-02
trans-1,2-Dichloroethene	8.7E-02	1.33E+03	6.6E-05
Trichloroethene	1.4E+00	1.12E+03	1.2E-03
Xylenes (total)	1.1E+01	2.92E+03	3.8E-03

Volatilization Factor Calculations
Onsite Construction Worker

COLUMN	2	3	4	5	6	7	8	9	10	11	12	13
CAS_No	Chemical	MW	H	H'	Di	Dw	Koc	Kd	S	DA-SS	VF-SS	SAT-SS
		(g/mol)	(atm-m3/mol)	(dimensionless)	(cm^2/s)	(cm^2/s)	(cm^3/g)	(cm^3/g)	(mg/L-water)	(cm2/s)	(m^3/kg)	(mg/kg)
67-64-1	Acetone	5.8E+01	3.5E-05	1.4E-03	1.1E-01	1.2E-05	2.4E+00	1.4E-02	1.0E+06	5.35E-06	4.72E+03	1.87E+05
71-43-2	Benzene	7.8E+01	5.6E-03	2.3E-01	9.0E-02	1.0E-05	1.5E+02	8.7E-01	1.8E+03	3.69E-05	1.80E+03	1.90E+03
108-86-1	Bromobenzene	1.6E+02	2.5E-03	1.0E-01	5.4E-02	9.3E-06	2.3E+02	1.4E+00	4.5E+02	6.87E-06	4.17E+03	7.06E+02
74-97-5	Bromochloromethane	1.3E+02	1.5E-03	6.0E-02	7.9E-02	1.2E-05	2.2E+01	1.3E-01	1.7E+04	3.15E-05	1.95E+03	5.13E+03
75-27-4	Bromodichloromethane	1.6E+02	2.1E-03	8.7E-02	5.6E-02	1.1E-05	3.2E+01	1.9E-01	3.0E+03	2.69E-05	2.11E+03	1.12E+03
75-25-2	Bromoform	2.5E+02	5.4E-04	2.2E-02	3.6E-02	1.0E-05	3.2E+01	1.9E-01	3.1E+03	5.83E-06	4.52E+03	1.13E+03
74-83-9	Bromomethane	9.5E+01	7.3E-03	3.0E-01	1.0E-01	1.4E-05	1.3E+01	7.9E-02	1.5E+04	2.15E-04	7.45E+02	4.11E+03
106-99-0	Butadiene, 1,3-	5.4E+01	7.4E-02	3.0E+00	1.0E-01	1.0E-05	4.0E+01	2.4E-01	7.4E+02	9.66E-04	3.51E+02	4.36E+02
71-36-3	Butanol, N-	7.4E+01	8.8E-06	3.6E-04	9.0E-02	1.0E-05	3.5E+00	2.1E-02	6.3E+04	3.56E-06	5.79E+03	1.23E+04
78-92-2	Butyl alcohol, sec-	7.4E+01	9.1E-06	3.7E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	1.8E+05	3.63E-06	5.73E+03	3.45E+04
104-51-8	Butylbenzene, n-	1.3E+02	1.6E-02	6.5E-01	5.3E-02	7.3E-06	1.5E+03	8.9E+00	1.2E+01	7.20E-06	4.07E+03	1.07E+02
135-98-8	Butylbenzene, sec-	1.3E+02	1.8E-02	7.2E-01	5.3E-02	7.3E-06	1.3E+03	8.0E+00	1.8E+01	8.84E-06	3.67E+03	1.44E+02
98-06-6	Butylbenzene, tert-	1.3E+02	1.3E-02	5.4E-01	5.3E-02	7.4E-06	1.0E+03	6.0E+00	3.0E+01	8.80E-06	3.68E+03	1.83E+02
75-15-0	Carbon Disulfide	7.6E+01	1.4E-02	5.9E-01	1.1E-01	1.3E-05	2.2E+01	1.3E-01	2.2E+03	3.53E-04	5.81E+02	7.33E+02
56-23-5	Carbon Tetrachloride	1.5E+02	2.8E-02	1.1E+00	5.7E-02	9.8E-06	4.4E+01	2.6E-01	7.9E+02	2.43E-04	7.00E+02	4.00E+02
108-90-7	Chlorobenzene	1.1E+02	3.1E-03	1.3E-01	7.2E-02	9.5E-06	2.3E+02	1.4E+00	5.0E+02	1.14E-05	3.24E+03	7.89E+02
109-69-3	Chlorobutane, 1-	9.3E+01	1.7E-02	6.8E-01	7.8E-02	9.3E-06	7.2E+01	4.3E-01	1.1E+03	1.58E-04	8.69E+02	7.12E+02
75-45-6	Chlorodifluoromethane	8.6E+01	4.1E-02	1.7E+00	1.0E-01	1.3E-05	3.2E+01	1.9E-01	2.8E+03	7.02E-04	4.12E+02	1.29E+03
67-66-3	Chloroform	1.2E+02	3.7E-03	1.5E-01	7.7E-02	1.1E-05	3.2E+01	1.9E-01	8.0E+03	6.05E-05	1.40E+03	2.97E+03
74-87-3	Chloromethane	5.0E+01	8.8E-03	3.6E-01	1.2E-01	1.4E-05	1.3E+01	7.9E-02	5.3E+03	3.12E-04	6.18E+02	1.46E+03
88-73-3	Chloronitrobenzene, o-	1.6E+02	9.3E-06	3.8E-04	5.1E-02	8.8E-06	3.7E+02	2.2E+00	4.4E+02	2.44E-07	2.21E+04	1.06E+03
100-00-5	Chloronitrobenzene, p-	1.6E+02	4.9E-06	2.0E-04	5.0E-02	8.5E-06	3.6E+02	2.2E+00	2.3E+02	2.33E-07	2.26E+04	5.29E+02
95-57-8	Chlorophenol, 2-	1.3E+02	1.1E-05	4.6E-04	6.6E-02	9.5E-06	3.1E+02	1.8E+00	1.1E+04	3.21E-07	1.93E+04	2.27E+04
95-49-8	Chlorotoluene, o-	1.3E+02	3.6E-03	1.5E-01	6.3E-02	8.7E-06	3.8E+02	2.3E+00	3.7E+02	7.24E-06	4.06E+03	9.27E+02
106-43-4	Chlorotoluene, p-	1.3E+02	4.4E-03	1.8E-01	6.3E-02	8.7E-06	3.8E+02	2.3E+00	1.1E+02	8.95E-06	3.65E+03	2.58E+02
98-82-8	Cumene	1.2E+02	1.2E-02	4.7E-01	6.0E-02	7.9E-06	7.0E+02	4.2E+00	6.1E+01	1.24E-05	3.10E+03	2.69E+02
110-82-7	Cyclohexane	8.4E+01	1.5E-01	6.1E+00	8.0E-02	9.1E-06	1.5E+02	8.7E-01	5.5E+01	6.55E-04	4.26E+02	7.81E+01
96-12-8	Dibromo-3-chloropropane, 1,2-	2.4E+02	1.5E-04	6.0E-03	3.2E-02	8.9E-06	1.2E+02	6.9E-01	1.2E+03	1.06E-06	1.06E+04	1.07E+03
106-37-6	Dibromobenzene, 1,4-	2.4E+02	8.9E-04	3.7E-02	3.3E-02	9.3E-06	3.8E+02	2.3E+00	2.0E+01	1.19E-06	1.00E+04	4.85E+01
124-48-1	Dibromochloromethane	2.1E+02	7.8E-04	3.2E-02	3.7E-02	1.1E-05	3.2E+01	1.9E-01	2.7E+03	7.88E-06	3.89E+03	9.88E+02
106-93-4	Dibromoethane, 1,2-	1.9E+02	6.5E-04	2.7E-02	4.3E-02	1.0E-05	4.0E+01	2.4E-01	3.9E+03	6.83E-06	4.18E+03	1.61E+03
74-95-3	Dibromomethane (Methylene Bromide)	1.7E+02	8.2E-04	3.4E-02	5.5E-02	1.2E-05	2.2E+01	1.3E-01	1.2E+04	1.39E-05	2.93E+03	3.63E+03
95-50-1	Dichlorobenzene, 1,2-	1.5E+02	1.9E-03	7.8E-02	5.6E-02	8.9E-06	3.8E+02	2.3E+00	1.6E+02	3.60E-06	5.75E+03	3.86E+02
106-46-7	Dichlorobenzene, 1,4-	1.5E+02	2.4E-03	9.9E-02	5.5E-02	8.7E-06	3.8E+02	2.3E+00	8.1E+01	4.45E-06	5.17E+03	1.98E+02
75-71-8	Dichlorodifluoromethane	1.2E+02	3.4E-01	1.4E+01	7.6E-02	1.1E-05	4.4E+01	2.6E-01	2.8E+02	1.57E-03	2.76E+02	3.61E+02
75-34-3	Dichloroethane, 1,1-	9.9E+01	5.6E-03	2.3E-01	8.4E-02	1.1E-05	3.2E+01	1.9E-01	5.0E+03	9.82E-05	1.10E+03	1.90E+03
107-06-2	Dichloroethane, 1,2-	9.9E+01	1.2E-03	4.8E-02	8.6E-02	1.1E-05	4.0E+01	2.4E-01	8.6E+03	2.06E-05	2.40E+03	3.56E+03
75-35-4	Dichloroethylene, 1,1-	9.7E+01	2.6E-02	1.1E+00	8.6E-02	1.1E-05	3.2E+01	1.9E-01	2.4E+03	4.09E-04	5.40E+02	1.04E+03
156-59-2	Dichloroethylene, 1,2-cis-	9.7E+01	4.1E-03	1.7E-01	8.8E-02	1.1E-05	4.0E+01	2.4E-01	6.4E+03	6.82E-05	1.32E+03	2.70E+03
156-60-5	Dichloroethylene, 1,2-trans-	9.7E+01	4.1E-03	1.7E-01	8.8E-02	1.1E-05	4.0E+01	2.4E-01	4.5E+03	6.75E-05	1.33E+03	1.90E+03
78-87-5	Dichloropropane, 1,2-	1.1E+02	2.8E-03	1.2E-01	7.3E-02	9.7E-06	6.1E+01	3.6E-01	2.8E+03	3.06E-05	1.97E+03	1.52E+03
142-28-9	Dichloropropane, 1,3-	1.1E+02	9.8E-04	4.0E-02	7.4E-02	9.8E-06	7.2E+01	4.3E-01	2.8E+03	1.02E-05	3.42E+03	1.67E+03
616-23-9	Dichloropropanol, 2,3-	1.3E+02	3.6E-09	1.5E-07	6.8E-02	9.9E-06	5.6E+00	3.3E-02	6.1E+04	2.98E-06	6.33E+03	1.26E+04
542-75-6	Dichloropropene, 1,3-	1.1E+02	3.6E-03	1.5E-01	7.6E-02	1.0E-05	7.2E+01	4.3E-01	2.8E+03	3.52E-05	1.84E+03	1.72E+03
108-20-3	Diisopropyl Ether	1.0E+02	2.6E-03	1.0E-01	6.5E-02	7.8E-06	2.3E+01	1.4E-01	8.8E+03	4.26E-05	1.67E+03	2.78E+03
123-91-1	Dioxane, 1,4-	8.8E+01	4.8E-06	2.0E-04	8.7E-02	1.1E-05	2.6E+00	1.6E-02	1.0E+06	3.63E-06	5.73E+03	1.89E+05
75-00-3	Ethyl Chloride (Chloroethane	6.5E+01	1.1E-02	4.5E-01	1.0E-01	1.2E-05	2.2E+01	1.3E-01	6.7E+03	2.72E-04	6.62E+02	2.22E+03
637-92-3	Ethyl Tertbutyl Ether	8.8E+01	5.9E-04	2.4E-02	7.5E-02	8.6E-06	1.2E+01	6.9E-02	5.1E+04	1.62E-05	2.71E+03	1.24E+04
100-41-4	Ethylbenzene	1.1E+02	7.9E-03	3.2E-01	6.8E-02	8.5E-06	4.5E+02	2.7E+00	1.7E+02	1.48E-05	2.84E+03	4.85E+02
118-74-1	Hexachlorobenzene	2.8E+02	1.7E-03	7.0E-02	2.9E-02	7.8E-06	6.2E+03	3.7E+01	6.2E-03	1.15E-07	3.21E+04	2.32E-01
87-68-3	Hexachlorobutadiene	2.6E+02	1.0E-02	4.2E-01	2.7E-02	7.0E-06	8.5E+02	5.1E+00	3.2E+00	4.14E-06	5.37E+03	1.69E+01
110-54-3	Hexane, N-	8.6E+01	1.8E+00	7.4E+01	7.3E-02	8.2E-06	1.3E+02	7.9E-01	9.5E+00	1.88E-03	2.52E+02	5.16E+01
591-78-6	Hexanone, 2-	1.0E+02	9.3E-05	3.8E-03	7.0E-02	8.4E-06	1.5E+01	9.0E-02	1.7E+04	3.93E-06	5.51E+03	4.53E+03
78-83-1	Isobutyl Alcoho	7.4E+01	9.8E-06	4.0E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	8.5E+04	3.62E-06	5.74E+03	1.62E+04
78-59-1	Isophorone	1.4E+02	6.6E-06	2.7E-04	5.3E-02	7.5E-06	6.5E+01	3.9E-01	1.2E+04	8.78E-07	1.17E+04	6.77E+03
67-63-0	Isopropanol	6.0E+01	8.1E-06	3.3E-04	1.0E-01	1.1E-05	1.5E+00	9.2E-03	1.0E+06	4.18E-06	5.34E+03	1.82E+05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	7.2E+01	5.7E-05	2.3E-03	9.1E-02	1.0E-05	4.5E+00	2.7E-02	2.2E+05	5.18E-06	4.80E+03	4.46E+04
1634-04-4	Methyl tert-Butyl Ether (MTBE	8.8E+01	5.9E-04	2.4E-02	7.5E-02	8.6E-06	1.2E+01	6.9E-02	5.1E+04	1.62E-05	2.71E+03	1.24E+04
75-09-2	Methylene Chloride	8.5E+01	3.3E-03	1.3E-01	1.0E-01	1.3E-05	2.2E+01	1.3E-01	1.3E+04	8.34E-05	1.20E+03	4.05E+03
91-20-3	~Naphthalene	1.3E+02	4.4E-04	1.8E-02	6.0E-02	8.4E-06	1.5E+03	9.3E+00	3.1E+01	2.74E-07	2.09E+04	2.93E+02
103-65-1	Propyl benzene	1.2E+02	1.1E-02	4.3E-01	6.0E-02	7.8E-06	8.1E+02	4.9E+00	5.2E+01	9.74E-06	3.50E+03	2.65E+02
115-07-1	Propylene	4.2E+01	2.0E-01	8.0E+00	1.1E-01	1.1E-05	2.2E+01	1.3E-01	2.0E+02	2.11E-03	2.38E+02	1.58E+02
100-42-5	Styrene	1.0E+02	2.8E-03	1.1E-01	7.1E-02	8.8E-06	4.5E+02	2.7E+00	3.1E+02	5.50E-06	4.66E+03	8.85E+02
75-65-0	Tert-Butyl Alcoho	7.4E+01	9.8E-06	4.0E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	8.5E+04	3.62E-06	5.74E+03	1.62E+04
630-20-6	Tetrachloroethane, 1,1,1,2-	1.7E+02	2.5E-03	1.0E-01	4.8E-02	9.1E-06	8.6E+01	5.2E-01	1.1E+03	1.42E-05	2.89E+03	7.44E+02
79-34-5	Tetrachloroethane, 1,1,2,2-	1.7E+02	3.7E-04	1.5E-02	4.9E-02	9.3E-06	9.5E+01	5.7E-01	2.8E+03	2.65E-06	6.71E+03	2.10E+03
127-18-4	Tetrachloroethylene	1.7E+02	1.8E-02	7.2E-01	5.0E-02	9.5E-06	9.5E+01	5.7E-01	2.1E+02	8.88E-05	1.16E+03	1.62E+02
108-88-3	Toluene	9.2E+01	6.6E-03	2.7E-01	7.8E-02	9.2E-06	2.3E+02	1.4E+00	5.3E+02	2.55E-05	2.16E+03	8.38E+02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.9E+02	5.3E-01	2.2E+01	3.8E-02	8.6E-06	2.0E+02	1.2E+00	1.7E+02	5.76E-04	4.55E+02	4.52E+02
87-61-6	Trichlorobenzene, 1,2,3-	1.8E+02	1.3E-03	5.1E-02	4.0E-02	8.4E-06	1.4E+03	8.3E+00	1.8E+01	5.14E-07	1.52E+04	1.53E+02
120-82-1	Trichlorobenzene, 1,2,4-	1.81E+02	1.42E-03	5.81E-02	3.96E-02	8.40E-06	1.36E+03	8.1E+00	4.90E+01	5.87E-07	1.42E+04	4.07E+02
71-55-6	Trichloroethane, 1,1,1-	1.3E+02	1.7E-02	7.0E-01	6.5E-02	9.6E-06	4.4E+01	2.6E-01	1.3E+03	1.82E-04	8.10E+02	6.18E+02
79-00-5	Trichloroethane, 1,1,2-	1.3E+02	8.2E-04	3.4E-02	6.7E-02	1.0E-05	6.1E+01	3.6E-01	4.6E+03	9.08E-06	3.62E+03	2.48E+03
79-01-6	Trichloroethylene	1.3E+02	9.9E-03	4.0E-01	6.9E-02	1.0E-05	6.1E+01	3.6E-01	1.3E+03	9.45E-05	1.12E+03	7.19E+02
75-69-4	Trichlorofluoromethane	1.4E+02	9.7E-02	4.0E+00	6.5E-02	1.0E-05	4.4E+01	2.6E-01	1.1E+03	7.27E-04	4.05E+02	7.45E+02
598-77-6	Trichloropropane, 1,1,2-	1.5E+02	3.2E-04	1.3E-02	5.7E-02	9.2E-06	9.5E+01	5.7E-01	1.9E+03	2.66E-06	6.70E+03	1.41E+03
96-18-4	Trichloropropane, 1,2,3-	1.5E+02	3.4E-04	1.4E-02	5.7E-02	9.2E-06	1.2E+02	6.9E-01	1.8E+03	2.42E-06	7.02E+03	1.52E+03
96-19-5	Trichloropropene, 1,2,3-	1.5E+02	1.8E-02	7.2E-01	5.9E-02	9.4E-06	1.2E+02	6.9E-01	4.8E+02	8.91E-05	1.16E+03	4.41E+02
95-63-6	Trimethylbenzene, 1,2,4-	1.2E+02	6.2E-03	2.5E-01	6.1E-02	7.9E-06	6.1E+02	3.7E+00	5.7E+01	7.61E-06	3.96E+03	2.21E+02
108-67-8	Trimethylbenzene, 1,3,5-	1.2E+02	8.8E-03	3.6E-01	6.0E-02	7.8E-06	6.0E+02	3.6E+00	4.8E+01	1.09E-05	3.31E+03	1.84E+02
108-05-4	Vinyl Acetate	8.6E+01	5.1E-04	2.1E-02	8.5E-02	1.0E-05	5.6E+00	3.3E-02	2.0E+04	1.92E-05	2.49E+03	4.16E+03
593-60-2	Vinyl Bromide	1.1E+02	1.2E-02	5.0E-01	8.6E-02	1.2E-05	2.2E+01	1.3E-01	1.0E+04	2.48E-04	6.93E+02	3.46E+03
75-01-4	Vinyl Chloride	6.3E+01	2.8E-02	1.1E+00	1.1E-01	1.2E-05	2.2E+01	1.3E-01	8.8E+03	6.22E-04	4.38E+02	3.28E+03
106-42-3	Xylene, P-	1.1E+02	6.9E-03	2.8E-01	6.8E-02	8.4E-06	3.8E+02	2.3E+00	1.6E+02	1.52E-05	2.80E+03	3.96E+02
108-38-3	Xylene, m-	1.1E+02	7.2E-03	2.9E-01	6.8E-02	8.4E-06	3.8E+02	2.3E+00	1.6E+02	1.58E-05	2.75E+03	3.93E+02
95-47-6	Xylene, o-	1.1E+02	5.2E-03	2.1E-01	6.9E-02	8.5E-06	3.8E+02	2.3E+00	1.8E+02	1.14E-05	3.24E+03	4.42E+02
1330-20-7	Xylenes	1.1E+02	5.2E-03	2.1E-01	8.5E-02	9.9E-06	3.8E+02	2.3E+00	1.1E+02	1.40E-05	2.92E+03	2.63E+02

Q/C	6.62
Exp. Interval (s)	31536000
Bulk Density	1.63
Air filled	0.099
Water Filled	0.282
Total Porosity	0.381
org carbon	0.006

where:

$VF\ (m^3/kg) = Q/C \times (3.14 \times D_A \times T)^{1/2} \times 10^{-4} (m^2/cm^2) / (2 \times P_b \times D_A)$

and:

$DA = [(O_a^{10/3} D_i H' + O_w^{10/3} D_w)/n^2] / P_b K_d + O_w + O_a H'$

Sources: EPA, 1996. Soil Screening Guidance: Technical Background Document. May.
EPA, 2001. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Peer Review Draft. March.

Assumptions: The soil surface has an unlimited erosion potential.
The surface soil is comprised of fine sand.
Highly erodible soils do not retain moisture.
The ground surface is comprised only of soil containing 50 percent vegetative cover.
No portion of the property is paved or contains structures (e.g., surfaces with limited erosion potential.)

$PEF = Q/C \times [3{,}600 \text{ s/hr} / (0.036 \times (1\text{-}V) \times (U_m/U_t)^3 \times F(x))]$

$Q/C = A \times \exp [(\ln A_{site} - B)^2 / C]$

Where:

PEF = Particluate emission factor of annual average PM_{10} impacted fugitive dust emissions (m^3/kg);
PM_{10} = Respirable fraction, particles less than 10 um in diameter;
Q/C = Inverse of mean concentration at center of source (g/m^2-s per kg/m^2);
A, B, C = Constants based on air dispersion modeling for Los Angeles, CA, from EPA 2001;
A_{site} = Areal extent of site or contamination (acres);
0.036 = Respirable fraction (g/m^2-hr);
V = Fraction of impacted surface with vegetative cover (unitless);
U_m = Mean annual wind speed (m/s), from EPA 1996, 2001;
U_t = Equivalent threshold value of windspeed at 7 m (m/s), from EPA 1996, 2001;
F(x) = Function dependent on U_m/U_t derived using Cowherd et al. 1985 (unitless), from EPA 1996, 2001.

A	B	C	A_{site}	Q/C
2.4538	17.566	189.0426	48	6.6176

APPENDIX G

Risk Calculations: Future On-Site Resident

SITE SPECIFIC HAZARD INDEX (RESIDENTIAL) - MAXIMUM CONCENTRATIONS - HYPOTHETICAL FUTURE RESIDENT
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

General Exposure Factors		Child	Child/Adult
Exposure Duration	(yrs)	6	26
Body Weight	(kg)	15	80
Averaging Time	(days)	2190	9490
Averaging Time	(hours)	52560	227760
Hours per day	(hours)	24	24
Dermal exposure factors			
Skin Surface Area	(cm^2/day)	2900	
Soil to Skin Adherence Factor	(mg/cm^2)	0.2	
Dermal Absorption Factor	(unitless)	Chemical Specific	
Exposure Frequency	(days/yr)	350	
Ingestion Exposure Factors			
Soil Ingestion Rate	(mg/day)	200	
Absorption Rate	(unitless)	1	
Exposure Frequency	(days/yr)	350	
Inhalation Exposure Factors			
Exposure Frequency	(days/yr)	350	

Exposure Pathway: Dermal Contact and Soil Ingestion

Chemical	((Cs (mg/kg)	/	RfD) (mg/kg-day)	*	1.3E-05 (mg/kg-day) (Note #1)	+	((Cs	/	RfD) (mg/kg-day)	*	3.7E-05 (mg/kg-day) (Note #2)	*	ABS (unitless)	=	Hazard Quotient (Note #3)
Benzyl alcohol	0.89	/	1.0E-01	*	1.3E-05	+	0.9	/	1.0E-01	*	3.7E-05	*	0.1	=	1.5E-04
bis(2-Ethylhexyl)phthalate	3.92	/	2.0E-02	*	1.3E-05	+	3.92	/	2.0E-02	*	3.7E-05	*	0.1	=	3.2E-03
Butyl benzylphthalate	0.63	/	2.0E-01	*	1.3E-05	+	0.63	/	2.0E-01	*	3.7E-05	*	0.1	=	5.2E-05
Diethyl phthalate	0.268	/	8.0E-01	*	1.3E-05	+	0.268	/	8.0E-01	*	3.7E-05	*	0.1	=	5.5E-06
Antimony	10.7	/	4.0E-04	*	1.3E-05	+	10.7	/	4.0E-04	*	3.7E-05	*	0.01	=	3.5E-01
Cadmium	5.15	/	5.0E-04	*	1.3E-05	+	5.15	/	5.0E-04	*	3.7E-05	*	0.001	=	1.3E-01
Hexavalent Chromium	1.8	/	2.0E-02	*	1.3E-05	+	1.8	/	2.0E-02	*	3.7E-05	*	0	=	1.2E-03
Cobalt	84.8	/	3.0E-04	*	1.3E-05	+	84.8	/	3.0E-04	*	3.7E-05	*	0.01	=	3.7E+00
Copper	2940	/	4.0E-02	*	1.3E-05	+	2940	/	4.0E-02	*	3.7E-05	*	0.01	=	9.7E-01
Nickel	6090	/	1.1E-02	*	1.3E-05	+	6090	/	1.1E-02	*	3.7E-05	*	0.01	=	7.3E+00
Selenium	*0*	/	5.0E-03	*	1.3E-05	+	0	/	5.0E-03	*	3.7E-05	*	0.01	=	0.0E+00
Zinc	215	/	3.0E-01	*	1.3E-05	+	215	/	3.0E-01	*	3.7E-05	*	0.01	=	9.4E-03
Total PCBs	1	/	2.0E-05	*	1.3E-05	+	1	/	2.0E-05	*	3.7E-05	*	0.15	=	9.2E-01
1,1-Dichloroethane	2.6	/	2.0E-01	*	1.3E-05	+	2.6	/	2.0E-01	*	3.7E-05	*	0	=	1.7E-04
1,1-Dichloroethene	1.4	/	5.0E-02	*	1.3E-05	+	1.4	/	5.0E-02	*	3.7E-05	*	0	=	3.6E-04
1,1,1-Trichloroethane	21.9	/	2.0E+00	*	1.3E-05	+	21.9	/	2.0E+00	*	3.7E-05	*	0	=	1.4E-04
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.027	/	3.0E+01	*	1.3E-05	+	0.027	/	3.0E+01	*	3.7E-05	*	0	=	1.2E-08
1,2-Dichloroethane	0.041	/	6.0E-03	*	1.3E-05	+	0.041	/	6.0E-03	*	3.7E-05	*	0	=	8.7E-05
1,1,2-Trichloroethane	1.7	/	4.0E-03	*	1.3E-05	+	1.7	/	4.0E-03	*	3.7E-05	*	0	=	5.4E-03
1,2,3-Trichloropropane	1.63	/	4.0E-03	*	1.3E-05	+	1.63	/	4.0E-03	*	3.7E-05	*	0	=	5.2E-03
1,2,4-Trimethylbenzene	1.9	/	na	*	1.3E-05	+	1.9	/	na	*	3.7E-05	*	0	=	na
1,3,5-Trimethylbenzene	0.541	/	1.0E-02	*	1.3E-05	+	0.541	/	1.0E-02	*	3.7E-05	*	0	=	6.9E-04
2-Butanone	0.045	/	6.0E-01	*	1.3E-05	+	0.045	/	6.0E-01	*	3.7E-05	*	0	=	9.6E-07
Acetone	0.28	/	9.0E-01	*	1.3E-05	+	0.28	/	9.0E-01	*	3.7E-05	*	0	=	4.0E-06
Benzene	1.1	/	4.0E-03	*	1.3E-05	+	1.1	/	4.0E-03	*	3.7E-05	*	0	=	3.5E-03
Carbon disulfide	0.0029	/	1.0E-01	*	1.3E-05	+	0.0029	/	1.0E-01	*	3.7E-05	*	0	=	3.7E-07
Chloroform	0.0064	/	1.0E-02	*	1.3E-05	+	0.0064	/	1.0E-02	*	3.7E-05	*	0	=	8.2E-06
cis-1,2-Dichloroethene	13.2	/	2.0E-03	*	1.3E-05	+	13.2	/	2.0E-03	*	3.7E-05	*	0	=	8.4E-02
Dichlorodifluoromethane	0.0016	/	2.0E-01	*	1.3E-05	+	0.0016	/	2.0E-01	*	3.7E-05	*	0	=	1.0E-07
Ethylbenzene	5.4	/	1.0E-01	*	1.3E-05	+	5.4	/	1.0E-01	*	3.7E-05	*	0	=	6.9E-04
Isopropylbenzene	0.166	/	1.0E-01	*	1.3E-05	+	0.166	/	1.0E-01	*	3.7E-05	*	0	=	2.1E-05
Isopropyltoluene (surrogate=Isopropylbenzene)	0.237	/	1.0E-01	*	1.3E-05	+	0.237	/	1.0E-01	*	3.7E-05	*	0	=	3.0E-05
Methylene chloride	0.0013	/	6.0E-03	*	1.3E-05	+	0.0013	/	6.0E-03	*	3.7E-05	*	0	=	2.8E-06
n-Propylbenzene	0.39	/	1.0E-01	*	1.3E-05	+	0.39	/	1.0E-01	*	3.7E-05	*	0	=	5.0E-05
Napthalene	1.13	/	2.0E-02	*	1.3E-05	+	1.13	/	2.0E-02	*	3.7E-05	*	0	=	7.2E-04
sec-Butylbenzene	0.15	/	5.0E-02	*	1.3E-05	+	0.15	/	5.0E-02	*	3.7E-05	*	0	=	3.8E-05
Styrene	0.0022	/	2.0E-01	*	1.3E-05	+	0.0022	/	2.0E-01	*	3.7E-05	*	0	=	1.4E-07
Tetrachloroethene	940	/	6.0E-03	*	1.3E-05	+	940	/	6.0E-03	*	3.7E-05	*	0	=	2.0E+00
Toluene	24.9	/	8.0E-02	*	1.3E-05	+	24.9	/	8.0E-02	*	3.7E-05	*	0	=	4.0E-03
trans-1,2-Dichloroethene	0.0871	/	2.0E-02	*	1.3E-05	+	0.0871	/	2.0E-02	*	3.7E-05	*	0	=	5.6E-05
Trichloroethene	166	/	5.0E-04	*	1.3E-05	+	166	/	5.0E-04	*	3.7E-05	*	0	=	4.2E+00
Xylenes	11.2	/	2.0E-01	*	1.3E-05	+	11.2	/	2.0E-01	*	3.7E-05	*	0	=	7.2E-04
											Total Soil Ingestion and Dermal Hazard Index:				**20**

Exposure Pathway: Inhalation of Particulates

Chemical	7.6E-10 (kg/m³) (Note #4)	*	EC (ug/m3) (Note #5)	/	RfCi (ug/m³)	=	Hazard Quotient (Note #6)
Benzyl alcohol	7.6E-10	*	6.5E-07	/	na	=	na
bis(2-Ethylhexyl)phthalate	7.6E-10	*	2.9E-06	/	na	=	na
Butyl benzylphthalate	7.6E-10	*	4.6E-07	/	na	=	na
Antimony	7.6E-10	*	7.8E-06	/	na	=	na
Barium	7.6E-10	*	0.0E+00	/	5.0E-01	=	0.0E+00
Cadmium	7.6E-10	*	3.8E-06	/	2.0E-02	=	1.9E-04
Hexavalent Chromium	7.6E-10	*	1.3E-06	/	2.0E-01	=	6.6E-06
Cobalt	7.6E-10	*	6.2E-05	/	6.0E-03	=	1.0E-02
Copper	7.6E-10	*	2.1E-03	/	na	=	na
Nickel	7.6E-10	*	4.4E-03	/	1.4E-02	=	3.2E-01
Selenium	7.6E-10	*	0.0E+00	/	2.0E+01	=	0.0E+00
Zinc	7.6E-10	*	1.6E-04	/	na	=	na
Total PCBs	7.6E-10	*	7.3E-07	/	na	=	na
					Total Inhalation of Particulates Hazard Index:		**0.33**

Exposure Pathway: Inhalation of volatiles in ambient air (from soil concentrations)

Chemical	EC (ug/m3) (Note #7)	/	RfCi (ug/m³)	=	Hazard Quotient (Note #8)
1,1-Dichloroethane	4.5E-01	/	7.00E+02	=	6.4E-04
1,1-Dichloroethene	5.0E-01	/	7.0E+01	=	7.1E-03
1,1,1,-Trichloroethane	5.2E+00	/	1.0E+03	=	5.2E-03
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.1E-02	/	3.0E+04	=	3.8E-07
1,2-Dichloroethane	3.3E-03	/	4.0E+02	=	8.2E-06
1,1,2-Trichloroethane	9.0E-02	/	1.4E+01	=	6.4E-03
1,2,3-Trichloropropane	4.4E-02	/	3.0E-01	=	1.5E-01
1,2,4-Trimethylbenzene	9.2E-02	/	7.0E+00	=	1.3E-02
1,3,5-Trimethylbenzene	3.1E-02	/	6.0E+00	=	5.2E-03
2-Butanone	1.8E-03	/	5.0E+03	=	3.6E-07
Acetone	1.1E-02	/	3.1E+04	=	3.7E-07
Benzene	1.2E-01	/	3.0E+01	=	3.9E-03
Carbon disulfide	9.5E-04	/	8.0E+02	=	1.2E-06
Chloroform	8.7E-04	/	3.0E+02	=	2.9E-06
cis-1,2-Dichloroethene	1.9E+00	/	3.5E+01	=	5.5E-02
Dichlorodifluoromethane	1.1E-03	/	1.0E+02	=	1.1E-05
Ethylbenzene	3.6E-01	/	2.0E+03	=	1.8E-04
Isopropylbenzene	1.0E-02	/	4.0E+02	=	2.6E-05
Isopropyltoluene (surrogate=Isopropylbenzene)	1.5E-02	/	4.0E+02	=	3.6E-05
Methylene chloride	2.1E-04	/	4.0E+02	=	5.2E-07
n-Propylbenzene	2.1E-02	/	1.0E+03	=	2.1E-05
Napthalene	1.0E-02	/	9.0E+00	=	1.2E-03
sec-Butylbenzene	7.8E-03	/	na	=	na
Styrene	9.0E-05	/	9.0E+02	=	1.0E-07
Tetrachloroethene	1.6E+02	/	3.5E+01	=	4.4E+00
Toluene	2.2E+00	/	3.0E+02	=	7.3E-03
trans-1,2-Dichloroethene	1.3E-02	/	6.0E+01	=	2.1E-04
Trichloroethene	2.8E+01	/	2.0E+00	=	1.4E+01
Xylenes	7.3E-01	/	7.0E+02	=	1.0E-03
			Total Inhalations of Volatiles Hazard Index:		**19**

Exposure Pathway: Inhalation of volatiles in indoor air (from soil gas concentrations collected at 5 feet below ground surface)

Chemical	EC (ug/m3) (Note #7)	/	RfCi (ug/m³)	=	Hazard Quotient (Note #8)	Soil Gas Concentration (ug/m³)	Attenuation Factor (unitless)	Estimated Indoor Air Concentration (ug/m³)
1,1-Dichloroethane	2.4E+00	/	7.0E+02	=	3.4E-03	15100	1.6E-04	2.5E+00
1,1-Dichloroethene	3.5E+01	/	7.0E+01	=	5.0E-01	220000	1.7E-04	3.7E+01
1,1,1-Trichloroethane	1.5E+02	/	1.0E+03	=	1.5E-01	1200000	1.3E-04	1.5E+02
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5E+01	/	3.0E+04	=	5.1E-04	209,000	7.6E-05	1.6E+01
1,2-Dichloroethane	4.3E-02	/	4.0E+02	=	1.1E-04	259	1.7E-04	4.5E-02
1,1,2-Trichloroethane	3.5E-01	/	1.4E+01	=	2.5E-02	2,600	1.4E-04	3.6E-01
1,2,4-Trimethylbenzene	1.4E+00	/	7.0E+00	=	2.0E-01	11,800	1.2E-04	1.4E+00
1,3,5-Trimethylbenzene	1.6E-01	/	6.0E+00	=	2.7E-02	1,390	1.2E-04	1.7E-01
Benzene	1.8E-01	/	3.0E+01	=	6.0E-03	1,070	1.7E-04	1.9E-01
Bromodichloromethane	7.7E-03	/	7.0E+01	=	1.1E-04	70	1.2E-04	8.1E-03
Bromoform	1.6E-02	/	7.0E+01	=	2.3E-04	195	8.6E-05	1.7E-02
Chlorobromomethane	6.4E-03	/	4.0E+01	=	1.6E-04	58	1.2E-04	6.7E-03
Chloroethane	7.2E-01	/	3.0E+04	=	2.4E-05	3,760	2.0E-04	7.5E-01
Chloroform	2.2E-01	/	3.0E+02	=	7.4E-04	1,530	1.5E-04	2.3E-01
cis-1,2-dichloroethene	4.5E+00	/	3.5E+01	=	1.3E-01	27,100	1.7E-04	4.7E+00
Dibromochloromethane	1.3E-02	/	na	=	na	167	8.3E-05	1.4E-02
Dichlorodifluoromethane	1.2E-01	/	1.0E+02	=	1.2E-03	810	1.5E-04	1.2E-01
Diisopropyl ether	2.2E-02	/	7.0E+02	=	3.2E-05	176	1.3E-04	2.3E-02
Ethylbenzene	5.7E-01	/	2.0E+03	=	2.8E-04	4,380	1.4E-04	5.9E-01
Isopropyltoluene (surr=Isopropylbenzene)	2.6E-02	/	4.0E+02	=	6.6E-05	230	1.2E-04	2.8E-02
n-Butylbenzene	1.3E-01	/	na	=	na	1,240	1.1E-04	1.3E-01
n-Propylbenzene	3.8E-01	/	1.0E+03	=	3.8E-04	3,340	1.2E-04	4.0E-01
Napthalene	8.8E-02	/	9.0E+00	=	9.7E-03	690	1.3E-04	9.1E-02
sec-Butylbenzene	1.7E+00	/	na	=	na	17,000	1.1E-04	1.8E+00
Tetrachloroethene	4.5E+01	/	3.5E+01	=	1.3E+00	460,000	1.0E-04	4.6E+01
Toluene	9.7E-01	/	3.0E+02	=	3.2E-03	6,620	1.5E-04	1.0E+00
trans-1,2-Dichloroethene	5.8E-02	/	6.0E+01	=	9.6E-04	350	1.7E-04	6.0E-02
Trichloroethene	9.2E+00	/	2.0E+00	=	4.6E+00	70,400	1.4E-04	9.5E+00
Trichlorofluoromethane	9.6E+00	/	7.0E+02	=	1.4E-02	77,900	1.3E-04	1.0E+01
Vinyl Chloride	7.8E-03	/	1.0E+02	=	7.8E-05	40	2.0E-04	8.2E-03
Xylenes	9.4E+01	/	7.0E+02	=	1.3E-01	720,000	1.4E-04	9.8E+01
			Total Inhalations of Volatiles Hazard Index:		**7.1**			
			Total Inhalations of Volatiles Hazard Index using Soil Gas at 5 feet bgs:		**46**			

ABS = Dermal Absorption Factor
na = not applicable
#1: Ingestion Factor = ((Injestion Rate) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#2: Dermal Contact Factor = ((Skin Surface Area) x (Soil to Skin Adherence Factor) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#3: Hazard Quotient (oral + dermal) = [(Soil Concentration) / (Reference Dose for Soil Ingestion) x (Ingestion Factor)] + [(Soil Concentration) x (Reference Dose for Dermal Contact) x (Dermal Contact Factor) x (ABS)]
#4: Post-Development Particulate Emission Factor = 7.6E-10 = 1/1316000000 (the inverse of the default particulate emission factor for post development receptors)
#5: Expsoure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#6: Hazard Quotient (Inhalation of Non-Volatile Particulates in Ambient Air) = (Concentration in Ambient Air)x (Particulate Emission Factor) / (Reference Concentration for Inhalation)
#7: Expsoure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#8: Hazard Quotient (Inhalation of Volatiles in Ambient Air) = (Exposure Concentration) / (Reference Concentration for Inhalation)

SITE-SPECIFIC CARCINOGENIC RISK ESTIMATE (RESIDENTIAL) - MAXIMUM CONCENTRATIONS - HYPOTHETICAL FUTURE RESIDENT
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

General Exposure Factors		Child (0-2)	Child (2-6)	Adult (6-16)	Adult (16-26)
Exposure Duration	(yrs)	2	4	10	10
Body Weight	(kg)	15	15	80	80
Averaging Time	(days)	25500	25500	25500	25500
Averaging Time	(hours)	612000	612000	612000	612000
Hours per Day	(hours)	24	24	24	24
Dermal exposure factors					
Skin Surface Area	(cm^2/day)	2900	2900	6032	6032
Soil to Skin Adherence Factor	(mg/cm^2)	0.2	0.2	0.07	0.07
Dermal Absorption Factor	(unitless)	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific
Exposure Frequency	(days/yr)	350	350	350	350
Ingestion Exposure Factors					
Soil Ingestion Rate	(mg/day)	200	200	100	100
Absorption Rate	(unitless)	1	1	1	1
Exposure Frequency	(days/yr)	350	350	350	350
Inhalation Exposure Factors					
Exposure Frequency	(days/yr)	350	350	350	350

Exposure Pathway: Soil Ingestion + Dermal Contact

Chemical	(Cs (mg/kg)	*	1.4E-06 (mg/kg-day) (Note #1)	*	SFo) $(mg/kg\text{-}day)^{-1}$	+	(SFo $(mg/kg\text{-}day)^{-1}$	*	Cs (mg/kg)	*	4.6E-06 (mg/kg-day) (Note #2)	*	ABS) (unitless)	=	Excess Cancer Risk (Note 3)
Benzyl alcohol	0.89	*	1.4E-06	*	na	+	na	*	0.89	*	4.6E-06	*	0.1	=	na
bis(2-Ethylhexyl)phthalate	3.92	*	1.4E-06	*	1.40E-02	+	1.40E-02	*	3.92	*	4.6E-06	*	0.1	=	1.0E-07
Butyl benzylphthalate	0.63	*	1.4E-06	*	1.90E-03	+	1.90E-03	*	0.63	*	4.6E-06	*	0.1	=	2.3E-09
Diethyl phthalate	0.268	*	1.4E-06	*	na	+	na	*	0.268	*	4.6E-06	*	0.1	=	na
Antimony	10.7	*	1.4E-06	*	na	+	na	*	10.7	*	4.6E-06	*	0.01	=	na
Cadmium	5.15	*	1.4E-06	*	na	+	na	*	5.15	*	4.6E-06	*	0.001	=	na
Hexavalent Chromium	1.8	*	6.5E-06	*	na	+	na	*	1.8	*	2.0E-05	*	0	=	na
Cobalt	84.8	*	1.4E-06	*	na	+	na	*	84.8	*	4.6E-06	*	0.01	=	na
Copper	2940	*	1.4E-06	*	na	+	na	*	2940	*	4.6E-06	*	0.01	=	na
Nickel	6090	*	1.4E-06	*	0.91	+	0.91	*	6090	*	4.6E-06	*	0.01	=	8.2E-03
Selenium	0	*	1.4E-06	*	na	+	na	*	0	*	4.6E-06	*	0.01	=	na
Zinc	215	*	1.4E-06	*	na	+	na	*	215	*	4.6E-06	*	0.01	=	na
Total PCBs	1	*	1.4E-06	*	2.00E+00	+	2.00E+00	*	1	*	4.6E-06	*	0.15	=	4.3E-06
1,1-Dichloroethane	2.6	*	1.4E-06	*	5.70E-03	+	5.70E-03	*	2.6	*	4.6E-06	*	0	=	2.1E-08
1,1-Dichloroethene	1.4	*	1.4E-06	*	na	+	na	*	1.4	*	4.6E-06	*	0	=	na
1,1,1-Trichloroethane	21.9	*	1.4E-06	*	na	+	na	*	21.9	*	4.6E-06	*	0	=	na
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.027	*	1.4E-06	*	na	+	na	*	0.027	*	4.6E-06	*	0	=	na
1,2-Dichloroethane	0.041	*	1.4E-06	*	4.70E-02	+	4.70E-02	*	0.041	*	4.6E-06	*	0	=	2.8E-09
1,1,2-Trichloroethane	1.7	*	1.4E-06	*	7.20E-02	+	7.20E-02	*	1.7	*	4.6E-06	*	0	=	1.8E-07
1,2,3-Trichloropropane *	1.63	*	6.5E-06	*	3.00E+01	+	3.00E+01	*	1.63	*	2.0E-05	*	0	=	3.2E-04
1,2,4-Trimethylbenzene	1.9	*	1.4E-06	*	na	+	na	*	1.9	*	4.6E-06	*	0	=	na
1,3,5-Trimethylbenzene	0.541	*	1.4E-06	*	na	+	na	*	0.541	*	4.6E-06	*	0	=	na
2-Butanone	0.045	*	1.4E-06	*	na	+	na	*	0.045	*	4.6E-06	*	0	=	na
Acetone	0.28	*	1.4E-06	*	na	+	na	*	0.28	*	4.6E-06	*	0	=	na
Benzene	1.1	*	1.4E-06	*	1.00E-01	+	1.00E-01	*	1.1	*	4.6E-06	*	0	=	1.6E-07
Carbon disulfide	0.0029	*	1.4E-06	*	na	+	na	*	0.0029	*	4.6E-06	*	0	=	na
Chloroform	0.0064	*	1.4E-06	*	3.10E-02	+	3.10E-02	*	0.0064	*	4.6E-06	*	0	=	2.9E-10
cis-1,2-Dichloroethene	13.2	*	1.4E-06	*	na	+	na	*	13.2	*	4.6E-06	*	0	=	na
Dichlorodifluoromethane	0.0016	*	1.4E-06	*	na	+	na	*	0.0016	*	4.6E-06	*	0	=	na
Ethylbenzene	5.4	*	1.4E-06	*	1.10E-02	+	1.10E-02	*	5.4	*	4.6E-06	*	0	=	8.6E-08
Isopropylbenzene	0.166	*	1.4E-06	*	na	+	na	*	0.166	*	4.6E-06	*	0	=	na
Isopropyltoluene (surrogate=Isopropylbenzene)	0.237	*	1.4E-06	*	na	+	na	*	0.237	*	4.6E-06	*	0	=	na
Methylene chloride *	0.0013	*	6.5E-06	*	1.40E-02	+	1.40E-02	*	0.0013	*	2.0E-05	*	0	=	1.2E-10
n-Propylbenzene	0.39	*	1.4E-06	*	na	+	na	*	0.39	*	4.6E-06	*	0	=	na
Napthalene	1.13	*	1.4E-06	*	na	+	na	*	1.13	*	4.6E-06	*	0	=	na
sec-Butylbenzene	0.15	*	1.4E-06	*	na	+	na	*	0.15	*	4.6E-06	*	0	=	na
Styrene	0.0022	*	1.4E-06	*	na	+	na	*	0.0022	*	4.6E-06	*	0	=	na
Tetrachloroethene	940	*	1.4E-06	*	5.40E-01	+	5.40E-01	*	940	*	4.6E-06	*	0	=	7.3E-04
Toluene	24.9	*	1.4E-06	*	na	+	na	*	24.9	*	4.6E-06	*	0	=	na
trans-1,2-Dichloroethene	0.0871	*	1.4E-06	*	na	+	na	*	0.0871	*	4.6E-06	*	0	=	na
Trichloroethene *	166	*	2.5E-06	*	4.60E-02	+	4.60E-02	*	166	*	7.7E-06	*	0	=	1.9E-05
Xylenes	11.2	*	1.4E-06	*	na	+	na	*	11.2	*	4.6E-06	*	0	=	na
											Total Cancer Risk Dermal and Soil Ingestion:				**9E-03**

Exposure Pathway: Inhalation of Particulates (for non-volatiles)

Chemical	7.6E-10 (kg/m^3) (Note #4)		EC (ug/kg) (Note #5)	*	IUR (µg/cubic meter)$^{-1}$	=	Excess Cancer Risk (Note #6)
Benzyl alcohol	7.6.E-10		2.4.E-07	*	na	=	na
bis(2-Ethylhexyl)phthalate	7.6.E-10		1.1.E-06	*	2.40E-06	=	2.6E-12
Butyl benzylphthalate	7.6.E-10		1.7.E-07	*	na	=	na
Antimony	7.6.E-10		2.9.E-06	*	na	=	na
Cadmium	7.6.E-10		1.4.E-06	*	4.2E-04	=	5.9E-10
Hexavalent Chromium *	7.6.E-10		1.4.E-06	*	1.5E-01	=	2.0E-07
Cobalt	7.6.E-10		2.3.E-05	*	9.0E-03	=	2.1E-07
Copper	7.6.E-10		8.0.E-04	*	na	=	na
Nickel	7.6.E-10		1.7.E-03	*	2.6E-04	=	4.3E-07
Selenium	7.6.E-10		0.0.E+00	*	na	=	na
Zinc	7.6.E-10		5.8.E-05	*	na	=	na
Total PCBs	7.6.E-10		2.7.E-07	*	5.70E-04	=	1.5E-10
					Total Cancer Risk Inhalation of Nonvolatiles:		**8E-07**

Exposure Pathway: Inhalation of volatiles in ambient air (from soil concentrations)

Chemical	EC (ug/m3) (Note #7)	*	IUR (µg/cubic meter)-1	=	Excess Cancer Risk (Note #8)
1,1-Dichloroethane	1.7E-01	*	1.6E-06	=	2.7E-07
1,1-Dichloroethene	1.8E-01	*	na	=	na
1,1,1-Trichloroethane	1.9E+00	*	na	=	na
1,1,2-Trichloro-1,2,2-Trifluoroethane	4.2E-03	*	na	=	na
1,2-Dichloroethane	1.2E-03	*	2.1E-05	=	2.55E-08
1,1,2-Trichloroethane	3.3E-02	*	1.6E-05	=	5.34E-07
1,2,3-Trichloropropane *	4.6E-02	*	8.6E-03	=	3.94E-04
1,2,4-Trimethylbenzene	3.4E-02	*	na	=	na
1,3,5-Trimethylbenzene	1.2E-02	*	na	=	na
2-Butanone	6.7E-04	*	na	=	na
Acetone	4.2E-03	*	na	=	na
Benzene	4.4E-02	*	2.9E-05	=	1.26E-06
Carbon disulfide	3.6E-04	*	na	=	na
Chloroform	3.2E-04	*	5.3E-06	=	1.7E-09
cis-1,2-Dichloroethene	7.1E-01	*	na	=	na
Dichlorodifluoromethane	4.1E-04	*	na	=	na
Ethylbenzene	1.4E-01	*	2.5E-06	=	3.4E-07
Isopropylbenzene	3.8E-03	*	na	=	na
Isopropyltoluene (surrogate=Isopropylbenzene)	5.4E-03	*	na	=	na
Methylene chloride *	2.1E-04	*	1.0E-06	=	2.1E-10
n-Propylbenzene	7.9E-03	*	na	=	na
Napthalene	3.9E-03	*	3.4E-05	=	1.3E-07
sec-Butylbenzene	2.9E-03	*	na	=	na
Styrene	3.4E-05	*	na	=	na
Tetrachloroethene	5.8E+01	*	5.9E-06	=	3.4E-04
Toluene	8.2E-01	*	na	=	na
trans-1,2-Dichloroethene	4.7E-03	*	na	=	na
Trichloroethene *	1.5E+01	*	4.1E-06	=	6.2E-05
Xylenes	2.7E-01	*	na	=	na
			Total Cancer Risk Inhalation of Volatiles		**8E-04**

Exposure Pathway: Inhalation of volatiles in indoor air (from soil gas concentrations collected at 5 feet below ground surface)

Chemical	EC (ug/m3) (Note #7)	*	IUR (µg/cubic meter)-1	=	Excess Cancer Risk (Note #8)	Soil Gas Concentration (ug/m^3)	Attenuation Factor (unitless)	Estimated Indoor Air Concentration (ug/m^3)
1,1-Dichloroethane	8.8E-01	*	1.6E-06	=	1.4E-06	15100	1.6E-04	2.47E+00
1,1-Dichloroethene	1.3E+01	*	na	=	na	220000	1.7E-04	3.69E+01
1,1,1-Trichloroethane	5.5E+01	*	na	=	na	1200000	1.3E-04	1.54E+02
1,1,2-Trichloro-1,2,2-trifluoroethane	5.6E+00	*	na	=	na	209,000	7.6E-05	1.6E+01
1,2-Dichloroethane	1.6E-02	*	2.1E-05	=	3.3E-07	259	1.7E-04	4.5E-02
1,1,2-Trichloroethane	1.3E-01	*	1.6E-05	=	2.1E-06	2,600	1.4E-04	3.6E-01
1,2,4-Trimethylbenzene	5.1E-01	*	na	=	na	11,800	1.2E-04	1.4E+00
1,3,5-Trimethylbenzene	5.9E-02	*	na	=	na	1,390	1.2E-04	1.7E-01
Benzene	6.7E-02	*	2.9E-05	=	1.9E-06	1,070	1.7E-04	1.9E-01
Bromodichloromethane	2.9E-03	*	3.7E-05	=	1.1E-07	70	1.2E-04	8.1E-03
Bromoform	6.0E-03	*	1.1E-06	=	6.6E-09	195	8.6E-05	1.7E-02
Chlorobromomethane	2.4E-03	*	na	=	na	58	1.2E-04	6.7E-03
Chloroethane	2.7E-01	*	1.3E-06	=	3.5E-07	3,760	2.0E-04	7.5E-01
Chloroform	8.3E-02	*	5.3E-06	=	4.4E-07	1,530	1.5E-04	2.3E-01
cis-1,2-dichloroethene	1.7E+00	*	na	=	na	27,100	1.7E-04	4.7E+00
Dibromochloromethane	5.0E-03	*	2.7E-05	=	1.3E-07	167	8.3E-05	1.4E-02
Dichlorodifluoromethane	4.3E-02	*	na	=	na	810	1.5E-04	1.2E-01
Diisopropyl ether	8.2E-03	*	na	=	na	176	1.3E-04	2.3E-02
Ethylbenzene	2.1E-01	*	2.5E-06	=	5.3E-07	4,380	1.4E-04	5.9E-01
Isopropyltoluene (surr=Isopropylbenzene)	9.8E-03	*	na	=	na	230	1.2E-04	2.8E-02
n-Butylbenzene	4.7E-02	*	na	=	na	1,240	1.1E-04	1.3E-01
n-Propylbenzene	1.4E-01	*	na	=	na	3,340	1.2E-04	4.0E-01
Napthalene	3.3E-02	*	3.4E-05	=	1.1E-06	690	1.3E-04	9.1E-02
sec-Butylbenzene	6.4E-01	*	na	=	na	17,000	1.1E-04	1.8E+00
Tetrachloroethene	1.7E+01	*	5.9E-06	=	9.8E-05	460,000	1.0E-04	4.6E+01
Toluene	3.6E-01	*	na	=	na	6,620	1.5E-04	1.0E+00
trans-1,2-Dichloroethene	2.1E-02	*	na	=	na	350	1.7E-04	6.0E-02
Trichloroethene *	4.9E+00	*	4.1E-06	=	2.0E-05	70,400	1.4E-04	9.5E+00
Trichlorofluoromethane	3.6E+00	*	na	=	na	77,900	1.3E-04	1.0E+01
Vinyl Chloride *	1.1E-02	*	7.80E-05	=	8.7E-07	40	2.0E-04	8.2E-03
Xylenes	3.5E+01	*	na	=	na	720,000	1.4E-04	9.8E+01
			Total Cancer Risk Inhalation of Volatiles		**1E-04**			
			Total Cancer Risk Inhalation of Volatiles using Soil Gas at 5 feet bgs:		**1E-02**			

na = not applicable
ABS = Dermal Absorption Factor
#1: Ingestion Factor = ((Ingestion Rate) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#2: Dermal Contact Factor = ((Skin Surface Area) x (Soil to Skin Adherence Factor) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#3: Cancer Risk (oral + dermal) = [(Soil Concentration) x (Ingestion Factor) x (Slope Factor for Soil Ingestion)] + [(Slope Factor for Dermal Contact) x (Soil Concentration) x (Dermal Contact Factor) x (ABS)]
#4: Post-Development Particulate Emission Factor = 7.6E-10 = 1/1316000000 (the inverse of the default particulate emission factor for post development receptors)
#5: Exposure Concentration (EC) = ((concentration in air) * (Particulate Emission Factor) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#6: Cancer Risk (Inhalation of Particulates in Ambient Air) = (Expsosure Concentration) x (Inhalation Unit Risk Factor)
#7 Exposure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#8: Cancer Risk (Inhalation of Volatiles in Ambient Air) = (Expsosure Concentration) x (Inhalation Unit Risk Factor)
* Equations used to estimate the carcinogenic risk for 1,2,3-trichloropropane, hexavalent chromium, methylene chloride, trichloroethene, and vinyl chloride are provided in Section 1.4.3 of the Humaan Health Risk Assessment.

CHEMICAL	CONCENTRATION IN SOIL (MG/KG)	VOLATILZATION FACTOR M^3/KG	CONCENTRATION IN AMBIENT AIR (MG/M^3)
1,1-Dichloroethane	2.6E+00	5.53E+03	4.7E-04
1,1-Dichloroethene	1.4E+00	2.71E+03	5.2E-04
1,1,1-Trichloroethane	2.2E+01	4.06E+03	5.4E-03
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7E-02	2.28E+03	1.2E-05
1,2-Dichloroethane	4.1E-02	1.21E+04	3.4E-06
1,1,2-Trichloroethane	1.7E+00	1.82E+04	9.4E-05
1,2,3-Trichloropropane	1.6E+00	3.52E+04	4.6E-05
1,2,4-Trimethylbenzene	1.9E+00	1.99E+04	9.6E-05
1,3,5-Trimethylbenzene	5.4E-01	1.66E+04	3.3E-05
2-Butanone (MEK)	4.5E-02	2.41E+04	1.9E-06
Acetone	2.8E-01	2.37E+04	1.2E-05
Benzene	1.1E+00	9.01E+03	1.2E-04
Carbon disulfide	2.9E-03	2.91E+03	9.9E-07
Chloroform	6.4E-03	7.04E+03	9.1E-07
cis-1,2-Dichloroethene	1.3E+01	6.63E+03	2.0E-03
Dichlorodifluoromethane	1.6E-03	1.38E+03	1.2E-06
Ethylbenzene	5.4E+00	1.43E+04	3.8E-04
Isopropylbenzene (Cumene)	1.7E-01	1.56E+04	1.1E-05
Isopropyltoluene (Cymene)	2.4E-01	1.56E+04	1.5E-05
Methylene chloride	1.3E-03	6.00E+03	2.2E-07
n-Propylbenzene	3.9E-01	1.75E+04	2.2E-05
Naphthalene	1.1E+00	1.05E+05	1.1E-05
sec-Butylbenzene	1.5E-01	1.84E+04	8.1E-06
Styrene	2.2E-03	2.33E+04	9.4E-08
Tetrachloroethene	9.4E+02	5.81E+03	1.6E-01
Toluene	2.5E+01	1.08E+04	2.3E-03
trans-1,2-Dichloroethene	8.7E-02	6.66E+03	1.3E-05
Trichloroethene	1.7E+02	5.63E+03	2.9E-02
Xylenes (total)	1.1E+01	1.47E+04	7.6E-04

COLUMN	2	3	4	5	6	7	8	9	10	11	12	13
CAS_No	Chemical	MW	H	H'	Di	Dw	Koc	Kd	S	DA-SS	VF-SS	SAT-SS
		(g/mol)	(atm-m3/mol)	(dimensionless)	(cm^2/s)	(cm^2/s)	(cm^3/g)	(cm^3/g)	(mg/L-water)	(cm2/s)	(m^3/kg)	(mg/kg)
67-64-1	Acetone	5.8E+01	3.5E-05	1.4E-03	1.1E-01	1.2E-05	2.4E+00	1.4E-02	1.0E+06	5.35E-06	2.37E+04	1.87E+05
71-43-2	Benzene	7.8E+01	5.6E-03	2.3E-01	9.0E-02	1.0E-05	1.5E+02	8.7E-01	1.8E+03	3.69E-05	9.01E+03	1.90E+03
108-86-1	Bromobenzene	1.6E+02	2.5E-03	1.0E-01	5.4E-02	9.3E-06	2.3E+02	1.4E+00	4.5E+02	6.87E-06	2.09E+04	7.06E+02
74-97-5	Bromochloromethane	1.3E+02	1.5E-03	6.0E-02	7.9E-02	1.2E-05	2.2E+01	1.3E-01	1.7E+04	3.15E-05	9.76E+03	5.13E+03
75-27-4	Bromodichloromethane	1.6E+02	2.1E-03	8.7E-02	5.6E-02	1.1E-05	3.2E+01	1.9E-01	3.0E+03	2.69E-05	1.06E+04	1.12E+03
75-25-2	Bromoform	2.5E+02	5.4E-04	2.2E-02	3.6E-02	1.0E-05	3.2E+01	1.9E-01	3.1E+03	5.83E-06	2.27E+04	1.13E+03
74-83-9	Bromomethane	9.5E+01	7.3E-03	3.0E-01	1.0E-01	1.4E-05	1.3E+01	7.9E-02	1.5E+04	2.15E-04	3.74E+03	4.11E+03
106-99-0	Butadiene, 1,3-	5.4E+01	7.4E-02	3.0E+00	1.0E-01	1.0E-05	4.0E+01	2.4E-01	7.4E+02	9.66E-04	1.76E+03	4.36E+02
71-36-3	Butanol, N-	7.4E+01	8.8E-06	3.6E-04	9.0E-02	1.0E-05	3.5E+00	2.1E-02	6.3E+04	3.56E-06	2.90E+04	1.23E+04
78-92-2	Butyl alcohol, sec-	7.4E+01	9.1E-06	3.7E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	1.8E+05	3.63E-06	2.88E+04	3.45E+04
104-51-8	Butylbenzene, n-	1.3E+02	1.6E-02	6.5E-01	5.3E-02	7.3E-06	1.5E+03	8.9E+00	1.2E+01	7.20E-06	2.04E+04	1.07E+02
135-98-8	Butylbenzene, sec-	1.3E+02	1.8E-02	7.2E-01	5.3E-02	7.3E-06	1.3E+03	8.0E+00	1.8E+01	8.84E-06	1.84E+04	1.44E+02
98-06-6	Butylbenzene, tert-	1.3E+02	1.3E-02	5.4E-01	5.3E-02	7.4E-06	1.0E+03	6.0E+00	3.0E+01	8.80E-06	1.85E+04	1.83E+02
75-15-0	Carbon Disulfide	7.6E+01	1.4E-02	5.9E-01	1.1E-01	1.3E-05	2.2E+01	1.3E-01	2.2E+03	3.53E-04	2.91E+03	7.33E+02
56-23-5	Carbon Tetrachloride	1.5E+02	2.8E-02	1.1E+00	5.7E-02	9.8E-06	4.4E+01	2.6E-01	7.9E+02	2.43E-04	3.51E+03	4.00E+02
108-90-7	Chlorobenzene	1.1E+02	3.1E-03	1.3E-01	7.2E-02	9.5E-06	2.3E+02	1.4E+00	5.0E+02	1.14E-05	1.63E+04	7.89E+02
109-69-3	Chlorobutane, 1-	9.3E+01	1.7E-02	6.8E-01	7.8E-02	9.3E-06	7.2E+01	4.3E-01	1.1E+03	1.58E-04	4.36E+03	7.12E+02
75-45-6	Chlorodifluoromethane	8.6E+01	4.1E-02	1.7E+00	1.0E-01	1.3E-05	3.2E+01	1.9E-01	2.8E+03	7.02E-04	2.07E+03	1.29E+03
67-66-3	Chloroform	1.2E+02	3.7E-03	1.5E-01	7.7E-02	1.1E-05	3.2E+01	1.9E-01	8.0E+03	6.05E-05	7.04E+03	2.97E+03
74-87-3	Chloromethane	5.0E+01	8.8E-03	3.6E-01	1.2E-01	1.4E-05	1.3E+01	7.9E-02	5.3E+03	3.12E-04	3.10E+03	1.46E+03
88-73-3	Chloronitrobenzene, o-	1.6E+02	9.3E-06	3.8E-04	5.1E-02	8.8E-06	3.7E+02	2.2E+00	4.4E+02	2.44E-07	1.11E+05	1.06E+03
100-00-5	Chloronitrobenzene, p-	1.6E+02	4.9E-06	2.0E-04	5.0E-02	8.5E-06	3.6E+02	2.2E+00	2.3E+02	2.33E-07	1.13E+05	5.29E+02
95-57-8	Chlorophenol, 2-	1.3E+02	1.1E-05	4.6E-04	6.6E-02	9.5E-06	3.1E+02	1.8E+00	1.1E+04	3.21E-07	9.66E+04	2.27E+04
95-49-8	Chlorotoluene, o-	1.3E+02	3.6E-03	1.5E-01	6.3E-02	8.7E-06	3.8E+02	2.3E+00	3.7E+02	7.24E-06	2.03E+04	9.27E+02
106-43-4	Chlorotoluene, p-	1.3E+02	4.4E-03	1.8E-01	6.3E-02	8.7E-06	3.8E+02	2.3E+00	1.1E+02	8.95E-06	1.83E+04	2.58E+02
98-82-8	Cumene	1.2E+02	1.2E-02	4.7E-01	6.0E-02	7.9E-06	7.0E+02	4.2E+00	6.1E+01	1.24E-05	1.56E+04	2.69E+02
110-82-7	Cyclohexane	8.4E+01	1.5E-01	6.1E+00	8.0E-02	9.1E-06	1.5E+02	8.7E-01	5.5E+01	6.55E-04	2.14E+03	7.81E+01
96-12-8	Dibromo-3-chloropropane, 1,2-	2.4E+02	1.5E-04	6.0E-03	3.2E-02	8.9E-06	1.2E+02	6.9E-01	1.2E+03	1.06E-06	5.32E+04	1.07E+03
106-37-6	Dibromobenzene, 1,4-	2.4E+02	8.9E-04	3.7E-02	3.3E-02	9.3E-06	3.8E+02	2.3E+00	2.0E+01	1.19E-06	5.02E+04	4.85E+01
124-48-1	Dibromochloromethane	2.1E+02	7.8E-04	3.2E-02	3.7E-02	1.1E-05	3.2E+01	1.9E-01	2.7E+03	7.88E-06	1.95E+04	9.88E+02
106-93-4	Dibromoethane, 1,2-	1.9E+02	6.5E-04	2.7E-02	4.3E-02	1.0E-05	4.0E+01	2.4E-01	3.9E+03	6.83E-06	2.10E+04	1.61E+03
74-95-3	Dibromomethane (Methylene Bromide)	1.7E+02	8.2E-04	3.4E-02	5.5E-02	1.2E-05	2.2E+01	1.3E-01	1.2E+04	1.39E-05	1.47E+04	3.63E+03
95-50-1	Dichlorobenzene, 1,2-	1.5E+02	1.9E-03	7.8E-02	5.6E-02	8.9E-06	3.8E+02	2.3E+00	1.6E+02	3.60E-06	2.88E+04	3.86E+02
106-46-7	Dichlorobenzene, 1,4-	1.5E+02	2.4E-03	9.9E-02	5.5E-02	8.7E-06	3.8E+02	2.3E+00	8.1E+01	4.45E-06	2.59E+04	1.98E+02
75-71-8	Dichlorodifluoromethane	1.2E+02	3.4E-01	1.4E+01	7.6E-02	1.1E-05	4.4E+01	2.6E-01	2.8E+02	1.57E-03	1.38E+03	3.61E+02
75-34-3	Dichloroethane, 1,1-	9.9E+01	5.6E-03	2.3E-01	8.4E-02	1.1E-05	3.2E+01	1.9E-01	5.0E+03	9.82E-05	5.53E+03	1.90E+03
107-06-2	Dichloroethane, 1,2-	9.9E+01	1.2E-03	4.8E-02	8.6E-02	1.1E-05	4.0E+01	2.4E-01	8.6E+03	2.06E-05	1.21E+04	3.56E+03
75-35-4	Dichloroethylene, 1,1-	9.7E+01	2.6E-02	1.1E+00	8.6E-02	1.1E-05	3.2E+01	1.9E-01	2.4E+03	4.09E-04	2.71E+03	1.04E+03
156-59-2	Dichloroethylene, 1,2-cis-	9.7E+01	4.1E-03	1.7E-01	8.8E-02	1.1E-05	4.0E+01	2.4E-01	6.4E+03	6.82E-05	6.63E+03	2.70E+03
156-60-5	Dichloroethylene, 1,2-trans-	9.7E+01	4.1E-03	1.7E-01	8.8E-02	1.1E-05	4.0E+01	2.4E-01	4.5E+03	6.75E-05	6.66E+03	1.90E+03
78-87-5	Dichloropropane, 1,2-	1.1E+02	2.8E-03	1.2E-01	7.3E-02	9.7E-06	6.1E+01	3.6E-01	2.8E+03	3.06E-05	9.90E+03	1.52E+03
142-28-9	Dichloropropane, 1,3-	1.1E+02	9.8E-04	4.0E-02	7.4E-02	9.8E-06	7.2E+01	4.3E-01	2.8E+03	1.02E-05	1.72E+04	1.67E+03
616-23-9	Dichloropropanol, 2,3-	1.3E+02	3.6E-09	1.5E-07	6.8E-02	9.9E-06	5.6E+00	3.3E-02	6.1E+04	2.98E-06	3.17E+04	1.26E+04
542-75-6	Dichloropropene, 1,3-	1.1E+02	3.6E-03	1.5E-01	7.6E-02	1.0E-05	7.2E+01	4.3E-01	2.8E+03	3.52E-05	9.23E+03	1.72E+03
108-20-3	Diisopropyl Ether	1.0E+02	2.6E-03	1.0E-01	6.5E-02	7.8E-06	2.3E+01	1.4E-01	8.8E+03	4.26E-05	8.39E+03	2.78E+03
123-91-1	Dioxane, 1,4-	8.8E+01	4.8E-06	2.0E-04	8.7E-02	1.1E-05	2.6E+00	1.6E-02	1.0E+06	3.63E-06	2.87E+04	1.89E+05
75-00-3	Ethyl Chloride (Chloroethane	6.5E+01	1.1E-02	4.5E-01	1.0E-01	1.2E-05	2.2E+01	1.3E-01	6.7E+03	2.72E-04	3.32E+03	2.22E+03
637-92-3	Ethyl Tertbutyl Ether	8.8E+01	5.9E-04	2.4E-02	7.5E-02	8.6E-06	1.2E+01	6.9E-02	5.1E+04	1.62E-05	1.36E+04	1.24E+04
100-41-4	Ethylbenzene	1.1E+02	7.9E-03	3.2E-01	6.8E-02	8.5E-06	4.5E+02	2.7E+00	1.7E+02	1.48E-05	1.43E+04	4.85E+02
118-74-1	Hexachlorobenzene	2.8E+02	1.7E-03	7.0E-02	2.9E-02	7.8E-06	6.2E+03	3.7E+01	6.2E-03	1.15E-07	1.61E+05	2.32E-01
87-68-3	Hexachlorobutadiene	2.6E+02	1.0E-02	4.2E-01	2.7E-02	7.0E-06	8.5E+02	5.1E+00	3.2E+00	4.14E-06	2.69E+04	1.69E+01
110-54-3	Hexane, N-	8.6E+01	1.8E+00	7.4E+01	7.3E-02	8.2E-06	1.3E+02	7.9E-01	9.5E+00	1.88E-03	1.26E+03	5.16E+01
591-78-6	Hexanone, 2-	1.0E+02	9.3E-05	3.8E-03	7.0E-02	8.4E-06	1.5E+01	9.0E-02	1.7E+04	3.93E-06	2.76E+04	4.53E+03
78-83-1	Isobutyl Alcoho	7.4E+01	9.8E-06	4.0E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	8.5E+04	3.62E-06	2.88E+04	1.62E+04
78-59-1	Isophorone	1.4E+02	6.6E-06	2.7E-04	5.3E-02	7.5E-06	6.5E+01	3.9E-01	1.2E+04	8.78E-07	5.84E+04	6.77E+03
67-63-0	Isopropanol	6.0E+01	8.1E-06	3.3E-04	1.0E-01	1.1E-05	1.5E+00	9.2E-03	1.0E+06	4.18E-06	2.68E+04	1.82E+05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	7.2E+01	5.7E-05	2.3E-03	9.1E-02	1.0E-05	4.5E+00	2.7E-02	2.2E+05	5.18E-06	2.41E+04	4.46E+04
1634-04-4	Methyl tert-Butyl Ether (MTBE	8.8E+01	5.9E-04	2.4E-02	7.5E-02	8.6E-06	1.2E+01	6.9E-02	5.1E+04	1.62E-05	1.36E+04	1.24E+04
75-09-2	Methylene Chloride	8.5E+01	3.3E-03	1.3E-01	1.0E-01	1.3E-05	2.2E+01	1.3E-01	1.3E+04	8.34E-05	6.00E+03	4.05E+03
91-20-3	~Naphthalene	1.3E+02	4.4E-04	1.8E-02	6.0E-02	8.4E-06	1.5E+03	9.3E+00	3.1E+01	2.74E-07	1.05E+05	2.93E+02
103-65-1	Propyl benzene	1.2E+02	1.1E-02	4.3E-01	6.0E-02	7.8E-06	8.1E+02	4.9E+00	5.2E+01	9.74E-06	1.75E+04	2.65E+02
115-07-1	Propylene	4.2E+01	2.0E-01	8.0E+00	1.1E-01	1.1E-05	2.2E+01	1.3E-01	2.0E+02	2.11E-03	1.19E+03	1.58E+02
100-42-5	Styrene	1.0E+02	2.8E-03	1.1E-01	7.1E-02	8.8E-06	4.5E+02	2.7E+00	3.1E+02	5.50E-06	2.33E+04	8.85E+02
75-65-0	Tert-Butyl Alcoho	7.4E+01	9.8E-06	4.0E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	8.5E+04	3.62E-06	2.88E+04	1.62E+04
630-20-6	Tetrachloroethane, 1,1,1,2-	1.7E+02	2.5E-03	1.0E-01	4.8E-02	9.1E-06	8.6E+01	5.2E-01	1.1E+03	1.42E-05	1.45E+04	7.44E+02
79-34-5	Tetrachloroethane, 1,1,2,2-	1.7E+02	3.7E-04	1.5E-02	4.9E-02	9.3E-06	9.5E+01	5.7E-01	2.8E+03	2.65E-06	3.36E+04	2.10E+03
127-18-4	Tetrachloroethylene	1.7E+02	1.8E-02	7.2E-01	5.0E-02	9.5E-06	9.5E+01	5.7E-01	2.1E+02	8.88E-05	5.81E+03	1.62E+02
108-88-3	Toluene	9.2E+01	6.6E-03	2.7E-01	7.8E-02	9.2E-06	2.3E+02	1.4E+00	5.3E+02	2.55E-05	1.08E+04	8.38E+02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.9E+02	5.3E-01	2.2E+01	3.8E-02	8.6E-06	2.0E+02	1.2E+00	1.7E+02	5.76E-04	2.28E+03	4.52E+02
87-61-6	Trichlorobenzene, 1,2,3-	1.8E+02	1.3E-03	5.1E-02	4.0E-02	8.4E-06	1.4E+03	8.3E+00	1.8E+01	5.14E-07	7.64E+04	1.53E+02
120-82-1	Trichlorobenzene, 1,2,4-	1.81E+02	1.42E-03	5.81E-02	3.96E-02	8.40E-06	1.36E+03	8.1E+00	4.90E+01	5.87E-07	7.14E+04	4.07E+02
71-55-6	Trichloroethane, 1,1,1-	1.3E+02	1.7E-02	7.0E-01	6.5E-02	9.6E-06	4.4E+01	2.6E-01	1.3E+03	1.82E-04	4.06E+03	6.18E+02
79-00-5	Trichloroethane, 1,1,2-	1.3E+02	8.2E-04	3.4E-02	6.7E-02	1.0E-05	6.1E+01	3.6E-01	4.6E+03	9.08E-06	1.82E+04	2.48E+03
79-01-6	Trichloroethylene	1.3E+02	9.9E-03	4.0E-01	6.9E-02	1.0E-05	6.1E+01	3.6E-01	1.3E+03	9.45E-05	5.63E+03	7.19E+02
75-69-4	Trichlorofluoromethane	1.4E+02	9.7E-02	4.0E+00	6.5E-02	1.0E-05	4.4E+01	2.6E-01	1.1E+03	7.27E-04	2.03E+03	7.45E+02
598-77-6	Trichloropropane, 1,1,2-	1.5E+02	3.2E-04	1.3E-02	5.7E-02	9.2E-06	9.5E+01	5.7E-01	1.9E+03	2.66E-06	3.36E+04	1.41E+03
96-18-4	Trichloropropane, 1,2,3-	1.5E+02	3.4E-04	1.4E-02	5.7E-02	9.2E-06	1.2E+02	6.9E-01	1.8E+03	2.42E-06	3.52E+04	1.52E+03
96-19-5	Trichloropropene, 1,2,3-	1.5E+02	1.8E-02	7.2E-01	5.9E-02	9.4E-06	1.2E+02	6.9E-01	4.8E+02	8.91E-05	5.80E+03	4.41E+02
95-63-6	Trimethylbenzene, 1,2,4-	1.2E+02	6.2E-03	2.5E-01	6.1E-02	7.9E-06	6.1E+02	3.7E+00	5.7E+01	7.61E-06	1.99E+04	2.21E+02
108-67-8	Trimethylbenzene, 1,3,5-	1.2E+02	8.8E-03	3.6E-01	6.0E-02	7.8E-06	6.0E+02	3.6E+00	4.8E+01	1.09E-05	1.66E+04	1.84E+02
108-05-4	Vinyl Acetate	8.6E+01	5.1E-04	2.1E-02	8.5E-02	1.0E-05	5.6E+00	3.3E-02	2.0E+04	1.92E-05	1.25E+04	4.16E+03
593-60-2	Vinyl Bromide	1.1E+02	1.2E-02	5.0E-01	8.6E-02	1.2E-05	2.2E+01	1.3E-01	1.0E+04	2.48E-04	3.47E+03	3.46E+03
75-01-4	Vinyl Chloride	6.3E+01	2.8E-02	1.1E+00	1.1E-01	1.2E-05	2.2E+01	1.3E-01	8.8E+03	6.22E-04	2.20E+03	3.28E+03
106-42-3	Xylene, P-	1.1E+02	6.9E-03	2.8E-01	6.8E-02	8.4E-06	3.8E+02	2.3E+00	1.6E+02	1.52E-05	1.41E+04	3.96E+02
108-38-3	Xylene, m-	1.1E+02	7.2E-03	2.9E-01	6.8E-02	8.4E-06	3.8E+02	2.3E+00	1.6E+02	1.58E-05	1.38E+04	3.93E+02
95-47-6	Xylene, o-	1.1E+02	5.2E-03	2.1E-01	6.9E-02	8.5E-06	3.8E+02	2.3E+00	1.8E+02	1.14E-05	1.62E+04	4.42E+02
1330-20-7	Xylenes	1.1E+02	5.2E-03	2.1E-01	8.5E-02	9.9E-06	3.8E+02	2.3E+00	1.1E+02	1.40E-05	1.47E+04	2.63E+02

Q/C	32.75
Exp. Interval (s)	946080000
Bulk Density	1.63
Air filled	0.099
Water Filled	0.282
Total Porosity	0.381
org carbon	0.006

where:

VF (m^3/kg) = Q/C x (3.14 x D_A x T)$^{1/2}$ x 10^{-4}(m^2/cm^2) / (2 x P_b x D_A)

and:

DA = [($O_a^{10/3}$ D_iH' + $O_w^{10/3}$ D_w)/n^2] / $P_b K_d$ + O_w + O_a H'

Sources: EPA, 1996. Soil Screening Guidance: Technical Background Document. May.
EPA, 2001. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Peer Review Draft. March.

Assumptions: The soil surface has an unlimited erosion potential.
The surface soil is comprised of fine sand.
Highly erodible soils do not retain moisture.
The ground surface is comprised only of soil containing 50 percent vegetative cover.
No portion of the property is paved or contains structures (e.g., surfaces with limited erosion potential.)

$PEF = Q/C \times [3{,}600\ s/hr / (0.036 \times (1-V) \times (U_m/U_t)^3 \times F(x))]$

$Q/C = A \times \exp[(\ln A_{site} - B)^2 / C]$

Where:

PEF = Particluate emission factor of annual average PM_{10} impacted fugitive dust emissions (m^3/kg);
PM_{10} = Respirable fraction, particles less than 10 um in diameter;
Q/C = Inverse of mean concentration at center of source (g/m^2-s per kg/m^2);
A, B, C = Constants based on air dispersion modeling for Los Angeles, CA, from EPA 2001;
A_{site} = Areal extent of site or contamination (acres);
0.036 = Respirable fraction (g/m^2-hr);
V = Fraction of impacted surface with vegetative cover (unitless);
U_m = Mean annual wind speed (m/s), from EPA 1996, 2001;
U_t = Equivalent threshold value of windspeed at 7 m (m/s), from EPA 1996, 2001;
F(x) = Function dependent on U_m/U_t derived using Cowherd et al. 1985 (unitless), from EPA 1996, 2001.

A	B	C	A_{site}	Q/C	V	U_m	U_t	F(x)	PEF
11.911	18.4385	209.7845	48	32.7534	0.5	4.69	11.32	0.194	4.75E+08

SITE SPECIFIC HAZARD INDEX (RESIDENTIAL) - TARGET REMEDIATION GOAL CONCENTRATIONS - HYPOTHETICAL FUTURE RESIDENT
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

General Exposure Factors		Child	Child/Adult
Exposure Duration	(yrs)	6	26
Body Weight	(kg)	15	80
Averaging Time	(days)	2190	9490
Averaging Time	(hours)	52560	227760
Hours per day	(hours)	24	24
Dermal exposure factors			
Skin Surface Area	(cm^2/day)	2900	
Soil to Skin Adherence Factor	(mg/cm^2)	0.2	
Dermal Absorption Factor	(unitless)	Chemical Specific	
Exposure Frequency	(days/yr)	350	
Ingestion Exposure Factors			
Soil Ingestion Rate	(mg/day)	200	
Absorption Rate	(unitless)	1	
Exposure Frequency	(days/yr)	350	
Inhalation Exposure Factors			
Exposure Frequency	(days/yr)	350	

Exposure Pathway: Dermal Contact and Soil Ingestion

Chemical	((Cs (mg/kg)	/	RfD) (mg/kg-day)	*	1.3E-05 (mg/kg-day) (Note #1)	+	((Cs	/	RfD) (mg/kg-day)	*	3.7E-05 (mg/kg-day) (Note #2)	*	ABS (unitless)	=	Hazard Quotient (Note #3)
Benzyl alcohol	0.89	/	1.0E-01	*	1.3E-05	+	0.9	/	1.0E-01	*	3.7E-05	*	0.1	=	1.5E-04
bis(2-Ethylhexyl)phthalate	2	/	2.0E-02	*	1.3E-05	+	2	/	2.0E-02	*	3.7E-05	*	0.1	=	1.6E-03
Butyl benzylphthalate	0.63	/	2.0E-01	*	1.3E-05	+	0.63	/	2.0E-01	*	3.7E-05	*	0.1	=	5.2E-05
Diethyl phthalate	0.268	/	8.0E-01	*	1.3E-05	+	0.268	/	8.0E-01	*	3.7E-05	*	0.1	=	5.5E-06
Antimony	0	/	4.0E-04	*	1.3E-05	+	0	/	4.0E-04	*	3.7E-05	*	0.01	=	0.0E+00
Cadmium	5.15	/	5.0E-04	*	1.3E-05	+	5.15	/	5.0E-04	*	3.7E-05	*	0.001	=	1.3E-01
Hexavalent Chromium	1.8	/	2.0E-02	*	1.3E-05	+	1.8	/	2.0E-02	*	3.7E-05	*	0	=	1.2E-03
Cobalt	0	/	3.0E-04	*	1.3E-05	+	0	/	3.0E-04	*	3.7E-05	*	0.01	=	0.0E+00
Copper	58	/	4.0E-02	*	1.3E-05	+	58	/	4.0E-02	*	3.7E-05	*	0.01	=	1.9E-02
Nickel	0	/	1.1E-02	*	1.3E-05	+	0	/	1.1E-02	*	3.7E-05	*	0.01	=	0.0E+00
Selenium	*0*	/	5.0E-03	*	1.3E-05	+	0	/	5.0E-03	*	3.7E-05	*	0.01	=	0.0E+00
Zinc	215	/	3.0E-01	*	1.3E-05	+	215	/	3.0E-01	*	3.7E-05	*	0.01	=	9.4E-03
Total PCBs	0.12	/	2.0E-05	*	1.3E-05	+	0.12	/	2.0E-05	*	3.7E-05	*	0.15	=	1.1E-01
1,1-Dichloroethane	0.25	/	2.0E-01	*	1.3E-05	+	0.25	/	2.0E-01	*	3.7E-05	*	0	=	1.6E-05
1,1-Dichloroethene	1.4	/	5.0E-02	*	1.3E-05	+	1.4	/	5.0E-02	*	3.7E-05	*	0	=	3.6E-04
1,1,1-Trichloroethane	8.6	/	2.0E+00	*	1.3E-05	+	8.6	/	2.0E+00	*	3.7E-05	*	0	=	5.5E-05
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.027	/	3.0E+01	*	1.3E-05	+	0.027	/	3.0E+01	*	3.7E-05	*	0	=	1.2E-08
1,2-Dichloroethane	0.041	/	6.0E-03	*	1.3E-05	+	0.041	/	6.0E-03	*	3.7E-05	*	0	=	8.7E-05
1,1,2-Trichloroethane	0.1	/	4.0E-03	*	1.3E-05	+	0.1	/	4.0E-03	*	3.7E-05	*	0	=	3.2E-04
1,2,3-Trichloropropane	0	/	4.0E-03	*	1.3E-05	+	0	/	4.0E-03	*	3.7E-05	*	0	=	0.0E+00
1,2,4-Trimethylbenzene	0.0022	/	na	*	1.3E-05	+	0.0022	/	na	*	3.7E-05	*	0	=	na
1,3,5-Trimethylbenzene	0.053	/	1.0E-02	*	1.3E-05	+	0.053	/	1.0E-02	*	3.7E-05	*	0	=	6.8E-05
2-Butanone	0.045	/	6.0E-01	*	1.3E-05	+	0.045	/	6.0E-01	*	3.7E-05	*	0	=	9.6E-07
Acetone	0.28	/	9.0E-01	*	1.3E-05	+	0.28	/	9.0E-01	*	3.7E-05	*	0	=	4.0E-06
Benzene	0.011	/	4.0E-03	*	1.3E-05	+	0.011	/	4.0E-03	*	3.7E-05	*	0	=	3.5E-05
Carbon disulfide	0.0029	/	1.0E-01	*	1.3E-05	+	0.0029	/	1.0E-01	*	3.7E-05	*	0	=	3.7E-07
Chloroform	0.0064	/	1.0E-02	*	1.3E-05	+	0.0064	/	1.0E-02	*	3.7E-05	*	0	=	8.2E-06
cis-1,2-Dichloroethene	0.3	/	2.0E-03	*	1.3E-05	+	0.3	/	2.0E-03	*	3.7E-05	*	0	=	1.9E-03
Dichlorodifluoromethane	0.0016	/	2.0E-01	*	1.3E-05	+	0.0016	/	2.0E-01	*	3.7E-05	*	0	=	1.0E-07
Ethylbenzene	0.33	/	1.0E-01	*	1.3E-05	+	0.33	/	1.0E-01	*	3.7E-05	*	0	=	4.2E-05
Isopropylbenzene	0.166	/	1.0E-01	*	1.3E-05	+	0.166	/	1.0E-01	*	3.7E-05	*	0	=	2.1E-05
Isopropyltoluene (surrogate=Isopropylbenzene)	0.237	/	1.0E-01	*	1.3E-05	+	0.237	/	1.0E-01	*	3.7E-05	*	0	=	3.0E-05
Methylene chloride	0.0013	/	6.0E-03	*	1.3E-05	+	0.0013	/	6.0E-03	*	3.7E-05	*	0	=	2.8E-06
n-Propylbenzene	0.39	/	1.0E-01	*	1.3E-05	+	0.39	/	1.0E-01	*	3.7E-05	*	0	=	5.0E-05
Napthalene	0.2	/	2.0E-02	*	1.3E-05	+	0.2	/	2.0E-02	*	3.7E-05	*	0	=	1.3E-04
sec-Butylbenzene	0.15	/	5.0E-02	*	1.3E-05	+	0.15	/	5.0E-02	*	3.7E-05	*	0	=	3.8E-05
Styrene	0.0022	/	2.0E-01	*	1.3E-05	+	0.0022	/	2.0E-01	*	3.7E-05	*	0	=	1.4E-07
Tetrachloroethene	0.1	/	6.0E-03	*	1.3E-05	+	0.1	/	6.0E-03	*	3.7E-05	*	0	=	2.1E-04
Toluene	14	/	8.0E-02	*	1.3E-05	+	14	/	8.0E-02	*	3.7E-05	*	0	=	2.2E-03
trans-1,2-Dichloroethene	0.0871	/	2.0E-02	*	1.3E-05	+	0.0871	/	2.0E-02	*	3.7E-05	*	0	=	5.6E-05
Trichloroethene	0.1	/	5.0E-04	*	1.3E-05	+	0.1	/	5.0E-04	*	3.7E-05	*	0	=	2.6E-03
Xylenes	2.9	/	2.0E-01	*	1.3E-05	+	2.9	/	2.0E-01	*	3.7E-05	*	0	=	1.9E-04
											Total Soil Ingestion and Dermal Hazard Index:				**0.28**

Exposure Pathway: Inhalation of Particulates

Chemical	7.6E-10 (kg/m³) (Note #4)	*	EC (ug/m3) (Note #5)	/	RfCi (ug/m³)	=	Hazard Quotient (Note #6)
Benzyl alcohol	7.6E-10	*	6.5E-07	/	na	=	na
bis(2-Ethylhexyl)phthalate	7.6E-10	*	1.5E-06	/	na	=	na
Butyl benzylphthalate	7.6E-10	*	4.6E-07	/	na	=	na
Antimony	7.6E-10	*	0.0E+00	/	na	=	na
Barium	7.6E-10	*	0.0E+00	/	5.0E-01	=	0.0E+00
Cadmium	7.6E-10	*	3.8E-06	/	2.0E-02	=	1.9E-04
Hexavalent Chromium	7.6E-10	*	1.3E-06	/	2.0E-01	=	6.6E-06
Cobalt	7.6E-10	*	0.0E+00	/	6.0E-03	=	0.0E+00
Copper	7.6E-10	*	4.2E-05	/	na	=	na
Nickel	7.6E-10	*	0.0E+00	/	1.4E-02	=	0.0E+00
Selenium	7.6E-10	*	0.0E+00	/	2.0E+01	=	0.0E+00
Zinc	7.6E-10	*	1.6E-04	/	na	=	na
Total PCBs	7.6E-10	*	8.7E-08	/	na	=	na
			Total Inhalation of Particulates Hazard Index:				**0.00019**

Exposure Pathway: Inhalation of volatiles in ambient air (from soil concentrations)

Chemical	EC (ug/m3) (Note #7)	/	RfCi (ug/m³)	=	Hazard Quotient (Note #8)
1,1-Dichloroethane	4.3E-02	/	7.00E+02	=	6.2E-05
1,1-Dichloroethene	5.0E-01	/	7.0E+01	=	7.1E-03
1,1,1,-Trichloroethane	2.0E+00	/	1.0E+03	=	2.0E-03
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.1E-02	/	3.0E+04	=	3.8E-07
1,2-Dichloroethane	3.3E-03	/	4.0E+02	=	8.2E-06
1,1,2-Trichloroethane	5.3E-03	/	1.4E+01	=	3.8E-04
1,2,3-Trichloropropane	0.0E+00	/	3.0E-01	=	0.0E+00
1,2,4-Trimethylbenzene	1.1E-04	/	7.0E+00	=	1.5E-05
1,3,5-Trimethylbenzene	3.1E-03	/	6.0E+00	=	5.1E-04
2-Butanone	1.8E-03	/	5.0E+03	=	3.6E-07
Acetone	1.1E-02	/	3.1E+04	=	3.7E-07
Benzene	1.2E-03	/	3.0E+01	=	3.9E-05
Carbon disulfide	9.5E-04	/	8.0E+02	=	1.2E-06
Chloroform	8.7E-04	/	3.0E+02	=	2.9E-06
cis-1,2-Dichloroethene	4.3E-02	/	3.5E+01	=	1.2E-03
Dichlorodifluoromethane	1.1E-03	/	1.0E+02	=	1.1E-05
Ethylbenzene	2.2E-02	/	2.0E+03	=	1.1E-05
Isopropylbenzene	1.0E-02	/	4.0E+02	=	2.6E-05
Isopropyltoluene (surrogate=Isopropylbenzene)	1.5E-02	/	4.0E+02	=	3.6E-05
Methylene chloride	2.1E-04	/	4.0E+02	=	5.2E-07
n-Propylbenzene	2.1E-02	/	1.0E+03	=	2.1E-05
Napthalene	1.8E-03	/	9.0E+00	=	2.0E-04
sec-Butylbenzene	7.8E-03	/	na	=	na
Styrene	9.0E-05	/	9.0E+02	=	1.0E-07
Tetrachloroethene	1.7E-02	/	3.5E+01	=	4.7E-04
Toluene	1.2E+00	/	3.0E+02	=	4.1E-03
trans-1,2-Dichloroethene	1.3E-02	/	6.0E+01	=	2.1E-04
Trichloroethene	1.7E-02	/	2.0E+00	=	8.5E-03
Xylenes	1.9E-01	/	7.0E+02	=	2.7E-04
	Total Inhalations of Volatiles Hazard Index:				**0.025**

Exposure Pathway: Inhalation of volatiles in indoor air (from soil gas concentrations collected at 5 feet below ground surface)

Chemical	EC (ug/m3) (Note #7)	/	RfCi (ug/m³)	=	Hazard Quotient (Note #8)	Soil Gas Concentration (ug/m³)	Attenuation Factor (unitless)	Estimated Indoor Air Concentration (ug/m³)	Remediation Factor	Target Soil Gas Concentration (ug/m³)	Target Hazard Quotient
1,1-Dichloroethane	2.4E+00	/	7.0E+02	=	3.4E-03	15100	1.6E-04	2.5E+00	100	151	3.4E-05
1,1-Dichloroethene	3.5E+01	/	7.0E+01	=	5.0E-01	220000	1.7E-04	3.7E+01	4	55000	1.3E-01
1,1,1-Trichloroethane	1.5E+02	/	1.0E+03	=	1.5E-01	1200000	1.3E-04	1.5E+02	1	1200000	1.5E-01
1,1,2-Trichloro-1,2,2-trifluoroethane	1.5E+01	/	3.0E+04	=	5.1E-04	209,000	7.6E-05	1.6E+01	1	209000	5.1E-04
1,2-Dichloroethane	4.3E-02	/	4.0E+02	=	1.1E-04	259	1.7E-04	4.5E-02	20	13.0	5.3E-06
1,1,2-Trichloroethane	3.5E-01	/	1.4E+01	=	2.5E-02	2,600	1.4E-04	3.6E-01	120	22	2.1E-04
1,2,4-Trimethylbenzene	1.4E+00	/	7.0E+00	=	2.0E-01	11,800	1.2E-04	1.4E+00	1	11800	2.0E-01
1,3,5-Trimethylbenzene	1.6E-01	/	6.0E+00	=	2.7E-02	1,390	1.2E-04	1.7E-01	1	1390	2.7E-02
Benzene	1.8E-01	/	3.0E+01	=	6.0E-03	1,070	1.7E-04	1.9E-01	80	13.4	7.5E-05
Bromodichloromethane	7.7E-03	/	7.0E+01	=	1.1E-04	70	1.2E-04	8.1E-03	8	8.75	1.4E-05
Bromoform	1.6E-02	/	7.0E+01	=	2.3E-04	195	8.6E-05	1.7E-02	1	195	2.3E-04
Chlorobromomethane	6.4E-03	/	4.0E+01	=	1.6E-04	58	1.2E-04	6.7E-03	1	58	1.6E-04
Chloroethane	7.2E-01	/	3.0E+04	=	2.4E-05	3,760	2.0E-04	7.5E-01	20	188	1.2E-06
Chloroform	2.2E-01	/	3.0E+02	=	7.4E-04	1,530	1.5E-04	2.3E-01	20	76.5	3.7E-05
cis-1,2-dichloroethene	4.5E+00	/	3.5E+01	=	1.3E-01	27,100	1.7E-04	4.7E+00	1	27100	1.3E-01
Dibromochloromethane	1.3E-02	/	na	=	na	167	8.3E-05	1.4E-02	8	20.9	na
Dichlorodifluoromethane	1.2E-01	/	1.0E+02	=	1.2E-03	810	1.5E-04	1.2E-01	1	810	1.2E-03
Diisopropyl ether	2.2E-02	/	7.0E+02	=	3.2E-05	176	1.3E-04	2.3E-02	1	176	3.2E-05
Ethylbenzene	5.7E-01	/	2.0E+03	=	2.8E-04	4,380	1.4E-04	5.9E-01	40	110	7.1E-06
Isopropyltoluene (surr=Isopropylbenzene)	2.6E-02	/	4.0E+02	=	6.6E-05	230	1.2E-04	2.8E-02	1	230	6.6E-05
n-Butylbenzene	1.3E-01	/	na	=	na	1,240	1.1E-04	1.3E-01	1	1240	na
n-Propylbenzene	3.8E-01	/	1.0E+03	=	3.8E-04	3,340	1.2E-04	4.0E-01	1	3340	3.8E-04
Napthalene	8.8E-02	/	9.0E+00	=	9.7E-03	690	1.3E-04	9.1E-02	20	34.5	4.9E-04
sec-Butylbenzene	1.7E+00	/	na	=	na	17,000	1.1E-04	1.8E+00	1	17000	na
Tetrachloroethene	4.5E+01	/	3.5E+01	=	1.3E+00	460,000	1.0E-04	4.6E+01	3000	153	4.2E-04
Toluene	9.7E-01	/	3.0E+02	=	3.2E-03	6,620	1.5E-04	1.0E+00	1	6620	3.2E-03
trans-1,2-Dichloroethene	5.8E-02	/	6.0E+01	=	9.6E-04	350	1.7E-04	6.0E-02	1	350	9.6E-04
Trichloroethene	9.2E+00	/	2.0E+00	=	4.6E+00	70,400	1.4E-04	9.5E+00	600	117	7.6E-03
Trichlorofluoromethane	9.6E+00	/	7.0E+02	=	1.4E-02	77,900	1.3E-04	1.0E+01	1	77900	1.4E-02
Vinyl Chloride	7.8E-03	/	1.0E+02	=	7.8E-05	40	2.0E-04	8.2E-03	10	4.0	7.8E-06
Xylenes	9.4E+01	/	7.0E+02	=	1.3E-01	720,000	1.4E-04	9.8E+01	3	240000	4.5E-02
	Total Inhalations of Volatiles Hazard Index:				**7.1**						**0.6984**
	Total Inhalations of Volatiles Hazard Index using Soil Gas at 5 feet bgs:				**7.4**			**Total Inhalations of Volatiles Hazard Index using Soil Gas at 5 feet bgs:**			**1.0**

Target Remediation Goals
ABS = Dermal Absorption Factor
na = not applicable
#1: Ingestion Factor = ((Injestion Rate) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#2: Dermal Contact Factor = ((Skin Surface Area) x (Soil to Skin Adherence Factor) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#3: Hazard Quotient (oral + dermal) = [(Soil Concentration) / (Reference Dose for Soil Ingestion) x (Ingestion Factor)] + [(Soil Concentration) x (Reference Dose for Dermal Contact) x (Dermal Contact Factor) x (ABS)]
#4: Post-Development Particulate Emission Factor = 7.6E-10 = 1/1316000000 (the inverse of the default particulate emission factor for post development receptors)
#5: Expsoure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#6: Hazard Quotient (Inhalation of Non-Volatile Particulates in Ambient Air) = (Concentration in Ambient Air)x (Particulate Emission Factor) / (Reference Concentration for Inhalation)
#7: Expsoure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#8: Hazard Quotient (Inhalation of Volatiles in Ambient Air) = (Exposure Concentration) / (Reference Concentration for Inhalation)

SITE-SPECIFIC CARCINOGENIC RISK ESTIMATE (RESIDENTIAL) - TARGET REMEDIATION GOAL CONCENTRATIONS - HYPOTHETICAL FUTURE RESIDENT
CANOGA AVENUE FACILITY
6633 CANOGA AVENUE
CANOGA PARK, CALIFORNIA

General Exposure Factors		Child (0-2)	Child (2-6)	Adult (6-16)	Adult (16-26)
Exposure Duration	(yrs)	2	4	10	10
Body Weight	(kg)	15	15	80	80
Averaging Time	(days)	25500	25500	25500	25500
Averaging Time	(hours)	612000	612000	612000	612000
Hours per Day	(hours)	24	24	24	24
Dermal exposure factors					
Skin Surface Area	(cm^2/day)	2900	2900	6032	6032
Soil to Skin Adherence Factor	(mg/cm^2)	0.2	0.2	0.07	0.07
Dermal Absorption Factor	(unitless)	Chemical Specific	Chemical Specific	Chemical Specific	Chemical Specific
Exposure Frequency	(days/yr)	350	350	350	350
Ingestion Exposure Factors					
Soil Ingestion Rate	(mg/day)	200	200	100	100
Absorption Rate	(unitless)	1	1	1	1
Exposure Frequency	(days/yr)	350	350	350	350
Inhalation Exposure Factors					
Exposure Frequency	(days/yr)	350	350	350	350

Exposure Pathway: Soil Ingestion + Dermal Contact

Chemical	(Cs (mg/kg)	*	1.4E-06 (mg/kg-day) (Note #1)	*	SFo) $(mg/kg\text{-}day)^{-1}$	+	(SFo $(mg/kg\text{-}day)^{-1}$	*	Cs (mg/kg)	*	4.6E-06 (mg/kg-day) (Note #2)	*	ABS) (unitless)	=	Excess Cancer Risk (Note 3)
Benzyl alcohol	0.89	*	1.4E-06	*	na	+	na	*	0.89	*	4.6E-06	*	0.1	=	na
bis(2-Ethylhexyl)phthalate	2	*	1.4E-06	*	1.40E-02	+	1.40E-02	*	2	*	4.6E-06	*	0.1	=	5.3E-08
Butyl benzylphthalate	0.63	*	1.4E-06	*	1.90E-03	+	1.90E-03	*	0.63	*	4.6E-06	*	0.1	=	2.3E-09
Diethyl phthalate	0.268	*	1.4E-06	*	na	+	na	*	0.268	*	4.6E-06	*	0.1	=	na
Antimony	0	*	1.4E-06	*	na	+	na	*	0	*	4.6E-06	*	0.01	=	na
Cadmium	5.15	*	1.4E-06	*	na	+	na	*	5.15	*	4.6E-06	*	0.001	=	na
Hexavalent Chromium	1.8	*	6.5E-06	*	na	+	na	*	1.8	*	2.0E-05	*	0	=	na
Cobalt	0	*	1.4E-06	*	na	+	na	*	0	*	4.6E-06	*	0.01	=	na
Copper	58	*	1.4E-06	*	na	+	na	*	58	*	4.6E-06	*	0.01	=	na
Nickel	0	*	1.4E-06	*	0.91	+	0.91	*	0	*	4.6E-06	*	0.01	=	0.0E+00
Selenium	*0*	*	1.4E-06	*	na	+	na	*	0	*	4.6E-06	*	0.01	=	na
Zinc	215	*	1.4E-06	*	na	+	na	*	215	*	4.6E-06	*	0.01	=	na
Total PCBs	0.12	*	1.4E-06	*	2.00E+00	+	2.00E+00	*	0.12	*	4.6E-06	*	0.15	=	5.1E-07
1,1-Dichloroethane	0.25	*	1.4E-06	*	5.70E-03	+	5.70E-03	*	0.25	*	4.6E-06	*	0	=	2.1E-09
1,1-Dichloroethene	1.4	*	1.4E-06	*	na	+	na	*	1.4	*	4.6E-06	*	0	=	na
1,1,1-Trichloroethane	8.6	*	1.4E-06	*	na	+	na	*	8.6	*	4.6E-06	*	0	=	na
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.027	*	1.4E-06	*	na	+	na	*	0.027	*	4.6E-06	*	0	=	na
1,2-Dichloroethane	0.041	*	1.4E-06	*	4.70E-02	+	4.70E-02	*	0.041	*	4.6E-06	*	0	=	2.8E-09
1,1,2-Trichloroethane	0.1	*	1.4E-06	*	7.20E-02	+	7.20E-02	*	0.1	*	4.6E-06	*	0	=	1.0E-08
1,2,3-Trichloropropane *	0	*	6.5E-06	*	3.00E+01	+	3.00E+01	*	0	*	2.0E-05	*	0	=	0.0E+00
1,2,4-Trimethylbenzene	0.0022	*	1.4E-06	*	na	+	na	*	0.0022	*	4.6E-06	*	0	=	na
1,3,5-Trimethylbenzene	0.053	*	1.4E-06	*	na	+	na	*	0.053	*	4.6E-06	*	0	=	na
2-Butanone	0.045	*	1.4E-06	*	na	+	na	*	0.045	*	4.6E-06	*	0	=	na
Acetone	0.28	*	1.4E-06	*	na	+	na	*	0.28	*	4.6E-06	*	0	=	na
Benzene	0.011	*	1.4E-06	*	1.00E-01	+	1.00E-01	*	0.011	*	4.6E-06	*	0	=	1.6E-09
Carbon disulfide	0.0029	*	1.4E-06	*	na	+	na	*	0.0029	*	4.6E-06	*	0	=	na
Chloroform	0.0064	*	1.4E-06	*	3.10E-02	+	3.10E-02	*	0.0064	*	4.6E-06	*	0	=	2.9E-10
cis-1,2-Dichloroethene	0.3	*	1.4E-06	*	na	+	na	*	0.3	*	4.6E-06	*	0	=	na
Dichlorodifluoromethane	0.0016	*	1.4E-06	*	na	+	na	*	0.0016	*	4.6E-06	*	0	=	na
Ethylbenzene	0.33	*	1.4E-06	*	1.10E-02	+	1.10E-02	*	0.33	*	4.6E-06	*	0	=	5.2E-09
Isopropylbenzene	0.166	*	1.4E-06	*	na	+	na	*	0.166	*	4.6E-06	*	0	=	na
Isopropyltoluene (surrogate=Isopropylbenzene)	0.237	*	1.4E-06	*	na	+	na	*	0.237	*	4.6E-06	*	0	=	na
Methylene chloride *	0.0013	*	6.5E-06	*	1.40E-02	+	1.40E-02	*	0.0013	*	2.0E-05	*	0	=	1.2E-10
n-Propylbenzene	0.39	*	1.4E-06	*	na	+	na	*	0.39	*	4.6E-06	*	0	=	na
Napthalene	0.2	*	1.4E-06	*	na	+	na	*	0.2	*	4.6E-06	*	0	=	na
sec-Butylbenzene	0.15	*	1.4E-06	*	na	+	na	*	0.15	*	4.6E-06	*	0	=	na
Styrene	0.0022	*	1.4E-06	*	na	+	na	*	0.0022	*	4.6E-06	*	0	=	na
Tetrachloroethene	0.1	*	1.4E-06	*	5.40E-01	+	5.40E-01	*	0.1	*	4.6E-06	*	0	=	7.8E-08
Toluene	14	*	1.4E-06	*	na	+	na	*	14	*	4.6E-06	*	0	=	na
trans-1,2-Dichloroethene	0.0871	*	1.4E-06	*	na	+	na	*	0.0871	*	4.6E-06	*	0	=	na
Trichloroethene *	0.1	*	2.5E-06	*	4.60E-02	+	4.60E-02	*	0.1	*	7.7E-06	*	0	=	1.1E-08
Xylenes	2.9	*	1.4E-06	*	na	+	na	*	2.9	*	4.6E-06	*	0	=	na
											Total Cancer Risk Dermal and Soil Ingestion:				**7E-07**

Exposure Pathway: Inhalation of Particulates (for non-volatiles)

Chemical	7.6E-10 (kg/m^3) (Note #4)		EC (ug/kg) (Note #5)	*	IUR $(\mu g/cubic\ meter)^{-1}$	=	Excess Cancer Risk (Note #6)
Benzyl alcohol	7.6.E-10		2.4.E-07	*	na	=	na
bis(2-Ethylhexyl)phthalate	7.6.E-10		5.4.E-07	*	2.40E-06	=	1.3E-12
Butyl benzylphthalate	7.6.E-10		1.7.E-07	*	na	=	na
Antimony	7.6.E-10		0.0.E+00	*	na	=	na
Cadmium	7.6.E-10		1.4.E-06	*	4.2E-04	=	5.9E-10
Hexavalent Chromium *	7.6.E-10		1.4.E-06	*	1.5E-01	=	2.0E-07
Cobalt	7.6.E-10		0.0.E+00	*	9.0E-03	=	0.0E+00
Copper	7.6.E-10		1.6.E-05	*	na	=	na
Nickel	7.6.E-10		0.0.E+00	*	2.6E-04	=	0.0E+00
Selenium	7.6.E-10		0.0.E+00	*	na	=	na
Zinc	7.6.E-10		5.8.E-05	*	na	=	na
Total PCBs	7.6.E-10		3.3.E-08	*	5.70E-04	=	1.9E-11
			Total Cancer Risk Inhalation of Nonvolatiles:				**2E-07**

Exposure Pathway: Inhalation of volatiles in ambient air (from soil concentrations)

Chemical	EC (ug/m3) (Note #7)	*	IUR (µg/cubic meter)-1	=	Excess Cancer Risk (Note #8)
1,1-Dichloroethane	1.6E-02	*	1.6E-06	=	2.6E-08
1,1-Dichloroethene	1.8E-01	*	na	=	na
1,1,1-Trichloroethane	7.6E-01	*	na	=	na
1,1,2-Trichloro-1,2,2-Trifluoroethane	4.2E-03	*	na	=	na
1,2-Dichloroethane	1.2E-03	*	2.1E-05	=	2.55E-08
1,1,2-Trichloroethane	2.0E-03	*	1.6E-05	=	3.14E-08
1,2,3-Trichloropropane *	0.0E+00	*	8.6E-03	=	0.00E+00
1,2,4-Trimethylbenzene	4.0E-05	*	na	=	na
1,3,5-Trimethylbenzene	1.1E-03	*	na	=	na
2-Butanone	6.7E-04	*	na	=	na
Acetone	4.2E-03	*	na	=	na
Benzene	4.4E-04	*	2.9E-05	=	1.26E-08
Carbon disulfide	3.6E-04	*	na	=	na
Chloroform	3.2E-04	*	5.3E-06	=	1.7E-09
cis-1,2-Dichloroethene	1.6E-02	*	na	=	na
Dichlorodifluoromethane	4.1E-04	*	na	=	na
Ethylbenzene	8.3E-03	*	2.5E-06	=	2.1E-08
Isopropylbenzene	3.8E-03	*	na	=	na
Isopropyltoluene (surrogate=Isopropylbenzene)	5.4E-03	*	na	=	na
Methylene chloride *	2.1E-04	*	1.0E-06	=	2.1E-10
n-Propylbenzene	7.9E-03	*	na	=	na
Napthalene	6.8E-04	*	3.4E-05	=	2.3E-08
sec-Butylbenzene	2.9E-03	*	na	=	na
Styrene	3.4E-05	*	na	=	na
Tetrachloroethene	6.1E-03	*	5.9E-06	=	3.6E-08
Toluene	4.6E-01	*	na	=	na
trans-1,2-Dichloroethene	4.7E-03	*	na	=	na
Trichloroethene *	9.1E-03	*	4.1E-06	=	3.7E-08
Xylenes	7.1E-02	*	na	=	na
	Total Cancer Risk Inhalation of Volatiles				**2E-07**

Exposure Pathway: Inhalation of volatiles in indoor air (from soil gas concentrations collected at 5 feet below ground surface)

Chemical	EC (ug/m3) (Note #7)	*	IUR (µg/cubic meter)-1	=	Excess Cancer Risk (Note #8)	Soil Gas Concentration (ug/m^3)	Attenuation Factor (unitless)	Estimated Indoor Air Concentration (ug/m^3)	Remediation Factor	Target Soil Gas Concentration (ug/m^3)	Target Cancer Risk
1,1-Dichloroethane	8.8E-01	*	1.6E-06	=	1.4E-06	15100	1.6E-04	2.47E+00	100	151	1.4E-08
1,1-Dichloroethene	1.3E+01	*	na	=	na	220000	1.7E-04	3.69E+01	4	55000	na
1,1,1-Trichloroethane	5.5E+01	*	na	=	na	1200000	1.3E-04	1.54E+02	1	1200000	na
1,1,2-Trichloro-1,2,2-trifluoroethane	5.6E+00	*	na	=	na	209,000	7.6E-05	1.6E+01	1	209,000	na
1,2-Dichloroethane	1.6E-02	*	2.1E-05	=	3.3E-07	259	1.7E-04	4.5E-02	20	13	1.7E-08
1,1,2-Trichloroethane	1.3E-01	*	1.6E-05	=	2.1E-06	2,600	1.4E-04	3.6E-01	120	22	1.7E-08
1,2,4-Trimethylbenzene	5.1E-01	*	na	=	na	11,800	1.2E-04	1.4E+00	1	11,800	na
1,3,5-Trimethylbenzene	5.9E-02	*	na	=	na	1,390	1.2E-04	1.7E-01	1	1,390	na
Benzene	6.7E-02	*	2.9E-05	=	1.9E-06	1,070	1.7E-04	1.9E-01	80	13	2.4E-08
Bromodichloromethane	2.9E-03	*	3.7E-05	=	1.1E-07	70	1.2E-04	8.1E-03	8	9	1.3E-08
Bromoform	6.0E-03	*	1.1E-06	=	6.6E-09	195	8.6E-05	1.7E-02	1	195	6.6E-09
Chlorobromomethane	2.4E-03	*	na	=	na	58	1.2E-04	6.7E-03	1	58	na
Chloroethane	2.7E-01	*	1.3E-06	=	3.5E-07	3,760	2.0E-04	7.5E-01	20	188	1.7E-08
Chloroform	8.3E-02	*	5.3E-06	=	4.4E-07	1,530	1.5E-04	2.3E-01	20	77	2.2E-08
cis-1,2-dichloroethene	1.7E+00	*	na	=	na	27,100	1.7E-04	4.7E+00	1	27,100	na
Dibromochloromethane	5.0E-03	*	2.7E-05	=	1.3E-07	167	8.3E-05	1.4E-02	8	21	1.7E-08
Dichlorodifluoromethane	4.3E-02	*	na	=	na	810	1.5E-04	1.2E-01	1	810	na
Diisopropyl ether	8.2E-03	*	na	=	na	176	1.3E-04	2.3E-02	1	176	na
Ethylbenzene	2.1E-01	*	2.5E-06	=	5.3E-07	4,380	1.4E-04	5.9E-01	40	110	1.3E-08
Isopropyltoluene (surr=Isopropylbenzene)	9.8E-03	*	na	=	na	230	1.2E-04	2.8E-02	1	230	na
n-Butylbenzene	4.7E-02	*	na	=	na	1,240	1.1E-04	1.3E-01	1	1,240	na
n-Propylbenzene	1.4E-01	*	na	=	na	3,340	1.2E-04	4.0E-01	1	3,340	na
Napthalene	3.3E-02	*	3.4E-05	=	1.1E-06	690	1.3E-04	9.1E-02	20	35	5.5E-08
sec-Butylbenzene	6.4E-01	*	na	=	na	17,000	1.1E-04	1.8E+00	1	17,000	na
Tetrachloroethene	1.7E+01	*	5.9E-06	=	9.8E-05	460,000	1.0E-04	4.6E+01	3000	153	3.3E-08
Toluene	3.6E-01	*	na	=	na	6,620	1.5E-04	1.0E+00	1	6,620	na
trans-1,2-Dichloroethene	2.1E-02	*	na	=	na	350	1.7E-04	6.0E-02	1	350	na
Trichloroethene *	4.9E+00	*	4.1E-06	=	2.0E-05	70,400	1.4E-04	9.5E+00	600	117	3.3E-08
Trichlorofluoromethane	3.6E+00	*	na	=	na	77,900	1.3E-04	1.0E+01	1	77,900	na
Vinyl Chloride *	1.1E-02	*	7.80E-05	=	8.7E-07	40	2.0E-04	8.2E-03	10	4	8.7E-08
Xylenes	3.5E+01	*	na	=	na	720,000	1.4E-04	9.8E+01	3	240,000	na
	Total Cancer Risk Inhalation of Volatiles				**1E-04**						**4E-07**
					Total Cancer Risk Inhalation of Volatiles using Soil Gas at 5 feet bgs:	**1E-04**				**Total Cancer Risk Inhalation of Volatiles using Soil Gas at 5 feet bgs:**	**1E-06**

Target Remediation Goals
na = not applicable
ABS = Dermal Absorption Factor
#1: Ingestion Factor = ((Ingestion Rate) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#2: Dermal Contact Factor = ((Skin Surface Area) x (Soil to Skin Adherence Factor) x (Exposure Frequency) x (Exposure Duration) x (10^{-6})) / ((Body Weight) x (Averaging Time))
#3: Cancer Risk (oral + dermal) = [(Soil Concentration) x (Ingestion Factor) x (Slope Factor for Soil Ingestion)] + [(Slope Factor for Dermal Contact) x (Soil Concentration) x (Dermal Contact Factor) x (ABS)]
#4: Post-Development Particulate Emission Factor = 7.6E-10 = 1/1316000000 (the inverse of the default particulate emission factor for post development receptors)
#5: Exposure Concentration (EC) = ((concentration in air) * (Particulate Emission Factor) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#6: Cancer Risk (Inhalation of Particulates in Ambient Air) = (Expsosure Concentration) x (Inhalation Unit Risk Factor)
#7 Exposure Concentration (EC) = ((concentration in air) * (hours per day) * (exposure frequency) * (exposure duration)) / (averaging time)
#8: Cancer Risk (Inhalation of Volatiles in Ambient Air) = (Expsosure Concentration) x (Inhalation Unit Risk Factor)
* Equations used to estimate the carcinogenic risk for 1,2,3-trichloropropane, hexavalent chromium, methylene chloride, trichloroethene, and vinyl chloride are provided in Section 1.4.3 of the Humaan Health Risk Assessment.

CHEMICAL	CONCENTRATION IN SOIL (MG/KG)	VOLATILZATION FACTOR M^3/KG	CONCENTRATION IN AMBIENT AIR (MG/M^3)
1,1-Dichloroethane	2.5E-01	5.53E+03	4.5E-05
1,1-Dichloroethene	1.4E+00	2.71E+03	5.2E-04
1,1,1-Trichloroethane	8.6E+00	4.06E+03	2.1E-03
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7E-02	2.28E+03	1.2E-05
1,2-Dichloroethane	4.1E-02	1.21E+04	3.4E-06
1,1,2-Trichloroethane	1.0E-01	1.82E+04	5.5E-06
1,2,4-Trimethylbenzene	2.2E-03	1.99E+04	1.1E-07
1,3,5-Trimethylbenzene	5.3E-02	1.66E+04	3.2E-06
2-Butanone (MEK)	4.5E-02	2.41E+04	1.9E-06
Acetone	2.8E-01	2.37E+04	1.2E-05
Benzene	1.1E-02	9.01E+03	1.2E-06
Carbon disulfide	2.9E-03	2.91E+03	9.9E-07
Chloroform	6.4E-03	7.04E+03	9.1E-07
cis-1,2-Dichloroethene	3.0E-01	6.63E+03	4.5E-05
Dichlorodifluoromethane	1.6E-03	1.38E+03	1.2E-06
Ethylbenzene	3.3E-01	1.43E+04	2.3E-05
Isopropylbenzene (Cumene)	1.7E-01	1.56E+04	1.1E-05
Isopropyltoluene (Cymene)	2.4E-01	1.56E+04	1.5E-05
Methylene chloride	1.3E-03	6.00E+03	2.2E-07
n-Propylbenzene	3.9E-01	1.75E+04	2.2E-05
Naphthalene	2.0E-01	1.05E+05	1.9E-06
sec-Butylbenzene	1.5E-01	1.84E+04	8.1E-06
Styrene	2.2E-03	2.33E+04	9.4E-08
Tetrachloroethene	1.0E-01	5.81E+03	1.7E-05
Toluene	1.4E+01	1.08E+04	1.3E-03
trans-1,2-Dichloroethene	8.7E-02	6.66E+03	1.3E-05
Trichloroethene	1.0E-01	5.63E+03	1.8E-05
Xylenes (total)	2.9E+00	1.47E+04	2.0E-04

Volatilization Factor Calculations
Onsite Resident

COLUMN	2	3	4	5	6	7	8	9	10	11	12	13
CAS_No	Chemical	MW	H	H'	Di	Dw	Koc	Kd	S	DA-SS	VF-SS	SAT-SS
		(g/mol)	(atm-m3/mol)	(dimensionless)	(cm^2/s)	(cm^2/s)	(cm^3/g)	(cm^3/g)	(mg/L-water)	(cm2/s)	(m^3/kg)	(mg/kg)
67-64-1	Acetone	5.8E+01	3.5E-05	1.4E-03	1.1E-01	1.2E-05	2.4E+00	1.4E-02	1.0E+06	5.35E-06	2.37E+04	1.87E+05
71-43-2	Benzene	7.8E+01	5.6E-03	2.3E-01	9.0E-02	1.0E-05	1.5E+02	8.7E-01	1.8E+03	3.69E-05	9.01E+03	1.90E+03
108-86-1	Bromobenzene	1.6E+02	2.5E-03	1.0E-01	5.4E-02	9.3E-06	2.3E+02	1.4E+00	4.5E+02	6.87E-06	2.09E+04	7.06E+02
74-97-5	Bromochloromethane	1.3E+02	1.5E-03	6.0E-02	7.9E-02	1.2E-05	2.2E+01	1.3E-01	1.7E+04	3.15E-05	9.76E+03	5.13E+03
75-27-4	Bromodichloromethane	1.6E+02	2.1E-03	8.7E-02	5.6E-02	1.1E-05	3.2E+01	1.9E-01	3.0E+03	2.69E-05	1.06E+04	1.12E+03
75-25-2	Bromoform	2.5E+02	5.4E-04	2.2E-02	3.6E-02	1.0E-05	3.2E+01	1.9E-01	3.1E+03	5.83E-06	2.27E+04	1.13E+03
74-83-9	Bromomethane	9.5E+01	7.3E-03	3.0E-01	1.0E-01	1.4E-05	1.3E+01	7.9E-02	1.5E+04	2.15E-04	3.74E+03	4.11E+03
106-99-0	Butadiene, 1,3-	5.4E+01	7.4E-02	3.0E+00	1.0E-01	1.0E-05	4.0E+01	2.4E-01	7.4E+02	9.66E-04	1.76E+03	4.36E+02
71-36-3	Butanol, N-	7.4E+01	8.8E-06	3.6E-04	9.0E-02	1.0E-05	3.5E+00	2.1E-02	6.3E+04	3.56E-06	2.90E+04	1.23E+04
78-92-2	Butyl alcohol, sec-	7.4E+01	9.1E-06	3.7E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	1.8E+05	3.63E-06	2.88E+04	3.45E+04
104-51-8	Butylbenzene, n-	1.3E+02	1.6E-02	6.5E-01	5.3E-02	7.3E-06	1.5E+03	8.9E+00	1.2E+01	7.20E-06	2.04E+04	1.07E+02
135-98-8	Butylbenzene, sec-	1.3E+02	1.8E-02	7.2E-01	5.3E-02	7.3E-06	1.3E+03	8.0E+00	1.8E+01	8.84E-06	1.84E+04	1.44E+02
98-06-6	Butylbenzene, tert-	1.3E+02	1.3E-02	5.4E-01	5.3E-02	7.4E-06	1.0E+03	6.0E+00	3.0E+01	8.80E-06	1.85E+04	1.83E+02
75-15-0	Carbon Disulfide	7.6E+01	1.4E-02	5.9E-01	1.1E-01	1.3E-05	2.2E+01	1.3E-01	2.2E+03	3.53E-04	2.91E+03	7.33E+02
56-23-5	Carbon Tetrachloride	1.5E+02	2.8E-02	1.1E+00	5.7E-02	9.8E-06	4.4E+01	2.6E-01	7.9E+02	2.43E-04	3.51E+03	4.00E+02
108-90-7	Chlorobenzene	1.1E+02	3.1E-03	1.3E-01	7.2E-02	9.5E-06	2.3E+02	1.4E+00	5.0E+02	1.14E-05	1.63E+04	7.89E+02
109-69-3	Chlorobutane, 1-	9.3E+01	1.7E-02	6.8E-01	7.8E-02	9.3E-06	7.2E+01	4.3E-01	1.1E+03	1.58E-04	4.36E+03	7.12E+02
75-45-6	Chlorodifluoromethane	8.6E+01	4.1E-02	1.7E+00	1.0E-01	1.3E-05	3.2E+01	1.9E-01	2.8E+03	7.02E-04	2.07E+03	1.29E+03
67-66-3	Chloroform	1.2E+02	3.7E-03	1.5E-01	7.7E-02	1.1E-05	3.2E+01	1.9E-01	8.0E+03	6.05E-05	7.04E+03	2.97E+03
74-87-3	Chloromethane	5.0E+01	8.8E-03	3.6E-01	1.2E-01	1.4E-05	1.3E+01	7.9E-02	5.3E+03	3.12E-04	3.10E+03	1.46E+03
88-73-3	Chloronitrobenzene, o-	1.6E+02	9.3E-06	3.8E-04	5.1E-02	8.8E-06	3.7E+02	2.2E+00	4.4E+02	2.44E-07	1.11E+05	1.06E+03
100-00-5	Chloronitrobenzene, p-	1.6E+02	4.9E-06	2.0E-04	5.0E-02	8.5E-06	3.6E+02	2.2E+00	2.3E+02	2.33E-07	1.13E+05	5.29E+02
95-57-8	Chlorophenol, 2-	1.3E+02	1.1E-05	4.6E-04	6.6E-02	9.5E-06	3.1E+02	1.8E+00	1.1E+04	3.21E-07	9.66E+04	2.27E+04
95-49-8	Chlorotoluene, o-	1.3E+02	3.6E-03	1.5E-01	6.3E-02	8.7E-06	3.8E+02	2.3E+00	3.7E+02	7.24E-06	2.03E+04	9.27E+02
106-43-4	Chlorotoluene, p-	1.3E+02	4.4E-03	1.8E-01	6.3E-02	8.7E-06	3.8E+02	2.3E+00	1.1E+02	8.95E-06	1.83E+04	2.58E+02
98-82-8	Cumene	1.2E+02	1.2E-02	4.7E-01	6.0E-02	7.9E-06	7.0E+02	4.2E+00	6.1E+01	1.24E-05	1.56E+04	2.69E+02
110-82-7	Cyclohexane	8.4E+01	1.5E-01	6.1E+00	8.0E-02	9.1E-06	1.5E+02	8.7E-01	5.5E+01	6.55E-04	2.14E+03	7.81E+01
96-12-8	Dibromo-3-chloropropane, 1,2-	2.4E+02	1.5E-04	6.0E-03	3.2E-02	8.9E-06	1.2E+02	6.9E-01	1.2E+03	1.06E-06	5.32E+04	1.07E+03
106-37-6	Dibromobenzene, 1,4-	2.4E+02	8.9E-04	3.7E-02	3.3E-02	9.3E-06	3.8E+02	2.3E+00	2.0E+01	1.19E-06	5.02E+04	4.85E+01
124-48-1	Dibromochloromethane	2.1E+02	7.8E-04	3.2E-02	3.7E-02	1.1E-05	3.2E+01	1.9E-01	2.7E+03	7.88E-06	1.95E+04	9.88E+02
106-93-4	Dibromoethane, 1,2-	1.9E+02	6.5E-04	2.7E-02	4.3E-02	1.0E-05	4.0E+01	2.4E-01	3.9E+03	6.83E-06	2.10E+04	1.61E+03
74-95-3	Dibromomethane (Methylene Bromide)	1.7E+02	8.2E-04	3.4E-02	5.5E-02	1.2E-05	2.2E+01	1.3E-01	1.2E+04	1.39E-05	1.47E+04	3.63E+03
95-50-1	Dichlorobenzene, 1,2-	1.5E+02	1.9E-03	7.8E-02	5.6E-02	8.9E-06	3.8E+02	2.3E+00	1.6E+02	3.60E-06	2.88E+04	3.86E+02
106-46-7	Dichlorobenzene, 1,4-	1.5E+02	2.4E-03	9.9E-02	5.5E-02	8.7E-06	3.8E+02	2.3E+00	8.1E+01	4.45E-06	2.59E+04	1.98E+02
75-71-8	Dichlorodifluoromethane	1.2E+02	3.4E-01	1.4E+01	7.6E-02	1.1E-05	4.4E+01	2.6E-01	2.8E+02	1.57E-03	1.38E+03	3.61E+02
75-34-3	Dichloroethane, 1,1-	9.9E+01	5.6E-03	2.3E-01	8.4E-02	1.1E-05	3.2E+01	1.9E-01	5.0E+03	9.82E-05	5.53E+03	1.90E+03
107-06-2	Dichloroethane, 1,2-	9.9E+01	1.2E-03	4.8E-02	8.6E-02	1.1E-05	4.0E+01	2.4E-01	8.6E+03	2.06E-05	1.21E+04	3.56E+03
75-35-4	Dichloroethylene, 1,1-	9.7E+01	2.6E-02	1.1E+00	8.6E-02	1.1E-05	3.2E+01	1.9E-01	2.4E+03	4.09E-04	2.71E+03	1.04E+03
156-59-2	Dichloroethylene, 1,2-cis-	9.7E+01	4.1E-03	1.7E-01	8.8E-02	1.1E-05	4.0E+01	2.4E-01	6.4E+03	6.82E-05	6.63E+03	2.70E+03
156-60-5	Dichloroethylene, 1,2-trans-	9.7E+01	4.1E-03	1.7E-01	8.8E-02	1.1E-05	4.0E+01	2.4E-01	4.5E+03	6.75E-05	6.66E+03	1.90E+03
78-87-5	Dichloropropane, 1,2-	1.1E+02	2.8E-03	1.2E-01	7.3E-02	9.7E-06	6.1E+01	3.6E-01	2.8E+03	3.06E-05	9.90E+03	1.52E+03
142-28-9	Dichloropropane, 1,3-	1.1E+02	9.8E-04	4.0E-02	7.4E-02	9.8E-06	7.2E+01	4.3E-01	2.8E+03	1.02E-05	1.72E+04	1.67E+03
616-23-9	Dichloropropanol, 2,3-	1.3E+02	3.6E-09	1.5E-07	6.8E-02	9.9E-06	5.6E+00	3.3E-02	6.1E+04	2.98E-06	3.17E+04	1.26E+04
542-75-6	Dichloropropene, 1,3-	1.1E+02	3.6E-03	1.5E-01	7.6E-02	1.0E-05	7.2E+01	4.3E-01	2.8E+03	3.52E-05	9.23E+03	1.72E+03
108-20-3	Diisopropyl Ether	1.0E+02	2.6E-03	1.0E-01	6.5E-02	7.8E-06	2.3E+01	1.4E-01	8.8E+03	4.26E-05	8.39E+03	2.78E+03
123-91-1	Dioxane, 1,4-	8.8E+01	4.8E-06	2.0E-04	8.7E-02	1.1E-05	2.6E+00	1.6E-02	1.0E+06	3.63E-06	2.87E+04	1.89E+05
75-00-3	Ethyl Chloride (Chloroethane	6.5E+01	1.1E-02	4.5E-01	1.0E-01	1.2E-05	2.2E+01	1.3E-01	6.7E+03	2.72E-04	3.32E+03	2.22E+03
637-92-3	Ethyl Tertbutyl Ether	8.8E+01	5.9E-04	2.4E-02	7.5E-02	8.6E-06	1.2E+01	6.9E-02	5.1E+04	1.62E-05	1.36E+04	1.24E+04
100-41-4	Ethylbenzene	1.1E+02	7.9E-03	3.2E-01	6.8E-02	8.5E-06	4.5E+02	2.7E+00	1.7E+02	1.48E-05	1.43E+04	4.85E+02
118-74-1	Hexachlorobenzene	2.8E+02	1.7E-03	7.0E-02	2.9E-02	7.8E-06	6.2E+03	3.7E+01	6.2E-03	1.15E-07	1.61E+05	2.32E-01
87-68-3	Hexachlorobutadiene	2.6E+02	1.0E-02	4.2E-01	2.7E-02	7.0E-06	8.5E+02	5.1E+00	3.2E+00	4.14E-06	2.69E+04	1.69E+01
110-54-3	Hexane, N-	8.6E+01	1.8E+00	7.4E+01	7.3E-02	8.2E-06	1.3E+02	7.9E-01	9.5E+00	1.88E-03	1.26E+03	5.16E+01
591-78-6	Hexanone, 2-	1.0E+02	9.3E-05	3.8E-03	7.0E-02	8.4E-06	1.5E+01	9.0E-02	1.7E+04	3.93E-06	2.76E+04	4.53E+03
78-83-1	Isobutyl Alcoho	7.4E+01	9.8E-06	4.0E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	8.5E+04	3.62E-06	2.88E+04	1.62E+04
78-59-1	Isophorone	1.4E+02	6.6E-06	2.7E-04	5.3E-02	7.5E-06	6.5E+01	3.9E-01	1.2E+04	8.78E-07	5.84E+04	6.77E+03
67-63-0	Isopropanol	6.0E+01	8.1E-06	3.3E-04	1.0E-01	1.1E-05	1.5E+00	9.2E-03	1.0E+06	4.18E-06	2.68E+04	1.82E+05
78-93-3	Methyl Ethyl Ketone (2-Butanone)	7.2E+01	5.7E-05	2.3E-03	9.1E-02	1.0E-05	4.5E+00	2.7E-02	2.2E+05	5.18E-06	2.41E+04	4.46E+04
1634-04-4	Methyl tert-Butyl Ether (MTBE	8.8E+01	5.9E-04	2.4E-02	7.5E-02	8.6E-06	1.2E+01	6.9E-02	5.1E+04	1.62E-05	1.36E+04	1.24E+04
75-09-2	Methylene Chloride	8.5E+01	3.3E-03	1.3E-01	1.0E-01	1.3E-05	2.2E+01	1.3E-01	1.3E+04	8.34E-05	6.00E+03	4.05E+03
91-20-3	~Naphthalene	1.3E+02	4.4E-04	1.8E-02	6.0E-02	8.4E-06	1.5E+03	9.3E+00	3.1E+01	2.74E-07	1.05E+05	2.93E+02
103-65-1	Propyl benzene	1.2E+02	1.1E-02	4.3E-01	6.0E-02	7.8E-06	8.1E+02	4.9E+00	5.2E+01	9.74E-06	1.75E+04	2.65E+02
115-07-1	Propylene	4.2E+01	2.0E-01	8.0E+00	1.1E-01	1.1E-05	2.2E+01	1.3E-01	2.0E+02	2.11E-03	1.19E+03	1.58E+02
100-42-5	Styrene	1.0E+02	2.8E-03	1.1E-01	7.1E-02	8.8E-06	4.5E+02	2.7E+00	3.1E+02	5.50E-06	2.33E+04	8.85E+02
75-65-0	Tert-Butyl Alcoho	7.4E+01	9.8E-06	4.0E-04	9.0E-02	1.0E-05	2.9E+00	1.8E-02	8.5E+04	3.62E-06	2.88E+04	1.62E+04
630-20-6	Tetrachloroethane, 1,1,1,2-	1.7E+02	2.5E-03	1.0E-01	4.8E-02	9.1E-06	8.6E+01	5.2E-01	1.1E+03	1.42E-05	1.45E+04	7.44E+02
79-34-5	Tetrachloroethane, 1,1,2,2-	1.7E+02	3.7E-04	1.5E-02	4.9E-02	9.3E-06	9.5E+01	5.7E-01	2.8E+03	2.65E-06	3.36E+04	2.10E+03
127-18-4	Tetrachloroethylene	1.7E+02	1.8E-02	7.2E-01	5.0E-02	9.5E-06	9.5E+01	5.7E-01	2.1E+02	8.88E-05	5.81E+03	1.62E+02
108-88-3	Toluene	9.2E+01	6.6E-03	2.7E-01	7.8E-02	9.2E-06	2.3E+02	1.4E+00	5.3E+02	2.55E-05	1.08E+04	8.38E+02
76-13-1	Trichloro-1,2,2-trifluoroethane, 1,1,2-	1.9E+02	5.3E-01	2.2E+01	3.8E-02	8.6E-06	2.0E+02	1.2E+00	1.7E+02	5.76E-04	2.28E+03	4.52E+02
87-61-6	Trichlorobenzene, 1,2,3-	1.8E+02	1.3E-03	5.1E-02	4.0E-02	8.4E-06	1.4E+03	8.3E+00	1.8E+01	5.14E-07	7.64E+04	1.53E+02
120-82-1	Trichlorobenzene, 1,2,4-	1.81E+02	1.42E-03	5.81E-02	3.96E-02	8.40E-06	1.36E+03	8.1E+00	4.90E+01	5.87E-07	7.14E+04	4.07E+02
71-55-6	Trichloroethane, 1,1,1-	1.3E+02	1.7E-02	7.0E-01	6.5E-02	9.6E-06	4.4E+01	2.6E-01	1.3E+03	1.82E-04	4.06E+03	6.18E+02
79-00-5	Trichloroethane, 1,1,2-	1.3E+02	8.2E-04	3.4E-02	6.7E-02	1.0E-05	6.1E+01	3.6E-01	4.6E+03	9.08E-06	1.82E+04	2.48E+03
79-01-6	Trichloroethylene	1.3E+02	9.9E-03	4.0E-01	6.9E-02	1.0E-05	6.1E+01	3.6E-01	1.3E+03	9.45E-05	5.63E+03	7.19E+02
75-69-4	Trichlorofluoromethane	1.4E+02	9.7E-02	4.0E+00	6.5E-02	1.0E-05	4.4E+01	2.6E-01	1.1E+03	7.27E-04	2.03E+03	7.45E+02
598-77-6	Trichloropropane, 1,1,2-	1.5E+02	3.2E-04	1.3E-02	5.7E-02	9.2E-06	9.5E+01	5.7E-01	1.9E+03	2.66E-06	3.36E+04	1.41E+03
96-18-4	Trichloropropane, 1,2,3-	1.5E+02	3.4E-04	1.4E-02	5.7E-02	9.2E-06	1.2E+02	6.9E-01	1.8E+03	2.42E-06	3.52E+04	1.52E+03
96-19-5	Trichloropropene, 1,2,3-	1.5E+02	1.8E-02	7.2E-01	5.9E-02	9.4E-06	1.2E+02	6.9E-01	4.8E+02	8.91E-05	5.80E+03	4.41E+02
95-63-6	Trimethylbenzene, 1,2,4-	1.2E+02	6.2E-03	2.5E-01	6.1E-02	7.9E-06	6.1E+02	3.7E+00	5.7E+01	7.61E-06	1.99E+04	2.21E+02
108-67-8	Trimethylbenzene, 1,3,5-	1.2E+02	8.8E-03	3.6E-01	6.0E-02	7.8E-06	6.0E+02	3.6E+00	4.8E+01	1.09E-05	1.66E+04	1.84E+02
108-05-4	Vinyl Acetate	8.6E+01	5.1E-04	2.1E-02	8.5E-02	1.0E-05	5.6E+00	3.3E-02	2.0E+04	1.92E-05	1.25E+04	4.16E+03
593-60-2	Vinyl Bromide	1.1E+02	1.2E-02	5.0E-01	8.6E-02	1.2E-05	2.2E+01	1.3E-01	1.0E+04	2.48E-04	3.47E+03	3.46E+03
75-01-4	Vinyl Chloride	6.3E+01	2.8E-02	1.1E+00	1.1E-01	1.2E-05	2.2E+01	1.3E-01	8.8E+03	6.22E-04	2.20E+03	3.28E+03
106-42-3	Xylene, P-	1.1E+02	6.9E-03	2.8E-01	6.8E-02	8.4E-06	3.8E+02	2.3E+00	1.6E+02	1.52E-05	1.41E+04	3.96E+02
108-38-3	Xylene, m-	1.1E+02	7.2E-03	2.9E-01	6.8E-02	8.4E-06	3.8E+02	2.3E+00	1.6E+02	1.58E-05	1.38E+04	3.93E+02
95-47-6	Xylene, o-	1.1E+02	5.2E-03	2.1E-01	6.9E-02	8.5E-06	3.8E+02	2.3E+00	1.8E+02	1.14E-05	1.62E+04	4.42E+02
1330-20-7	Xylenes	1.1E+02	5.2E-03	2.1E-01	8.5E-02	9.9E-06	3.8E+02	2.3E+00	1.1E+02	1.40E-05	1.47E+04	2.63E+02

Q/C	32.75
Exp. Interval (s)	946080000
Bulk Density	1.63
Air filled	0.099
Water Filled	0.282
Total Porosity	0.381
org carbon	0.006

where:
VF (m^3/kg) = Q/C x (3.14 x D_A x T)$^{1/2}$ x 10^{-4}(m^2/cm^2) / (2 x P_b x D_A)
and:
DA = [($O_a^{10/3}$ D_iH' + $O_w^{10/3}$ D_w)/n^2] / $P_b K_d$ + O_w + O_a H'

Sources: EPA, 1996. Soil Screening Guidance: Technical Background Document. May.
EPA, 2001. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Peer Review Draft. March.

Assumptions: The soil surface has an unlimited erosion potential.
The surface soil is comprised of fine sand.
Highly erodible soils do not retain moisture.
The ground surface is comprised only of soil containing 50 percent vegetative cover.
No portion of the property is paved or contains structures (e.g., surfaces with limited erosion potential.)

$PEF = Q/C \times [3{,}600\ s/hr / (0.036 \times (1-V) \times (U_m/U_t)^3 \times F(x))]$

$Q/C = A \times \exp[(\ln A_{site} - B)^2 / C]$

Where:

PEF = Particluate emission factor of annual average PM_{10} impacted fugitive dust emissions (m^3/kg);
PM_{10} = Respirable fraction, particles less than 10 um in diameter;
Q/C = Inverse of mean concentration at center of source (g/m^2-s per kg/m^2);
A, B, C = Constants based on air dispersion modeling for Los Angeles, CA, from EPA 2001;
A_{site} = Areal extent of site or contamination (acres);
0.036 = Respirable fraction (g/m^2-hr);
V = Fraction of impacted surface with vegetative cover (unitless);
U_m = Mean annual wind speed (m/s), from EPA 1996, 2001;
U_t = Equivalent threshold value of windspeed at 7 m (m/s), from EPA 1996, 2001;
F(x) = Function dependent on U_m/U_t derived using Cowherd et al. 1985 (unitless), from EPA 1996, 2001.

A	B	C	A_{site}	Q/C	V	U_m	U_t	F(x)	PEF
11.911	18.4385	209.7845	48	32.7534	0.5	4.69	11.32	0.194	4.75E+08

APPENDIX D

Derivation of Site-specific Groundwater Protection Levels

APPENDIX D

Derivation of Site-specific Groundwater Protection Levels

Site-specific groundwater protection levels (GPLs) were derived for the United Technologies Corporation Canoga Avenue facility located in Canoga Park, California (Site) in response to the Los Angeles Regional Water Quality Control Board (LARWQCB) request presented in their 22 January 2015 and 2 June 2015 comments on the 2 October 2014 Draft Soil Management Plan. The methodology approved by the LARWQCB is described in the 25 March 2015 response to comments and 15 June 2015 letter titled "Scope of Work for Additional Soil Sampling, SPLP, and Physical Parameters Analysis for Development of Soil Remediation Goals". In general, a GPL was derived for each identified chemicals of potential concern (COPCs) and total petroleum hydrocarbon mixtures.

BACKGROUND

Water can potentially leach chemicals from chemically-impacted vadose zone soil as precipitation infiltrates and chemicals dissolve into the water. The generated chemical-containing water or leachate can then migrate through vadose zone soil to the underlying groundwater. Assuming that Site conditions may generate leachate from infiltrating precipitation, Site-specific GPLs were derived such that associated leachate concentrations after entering the water table do not adversely affect groundwater quality. Site-specific GPLs are considered acceptable threshold concentrations for vadose zone soil that are protective of groundwater quality.

Acceptable groundwater quality is groundwater with chemical concentrations protective for current and future beneficial uses. A GPL for a given chemical is the vadose zone soil concentration for that chemical where the associated concentration at the water table interface does not exceed the relevant water quality objective.

GPLs can also be derived for each distinct soil lithology at the Site. Soil samples were collected across the Site and at various depths in the vadose zone and tested for various physical properties including grain size distribution. The locations and target depths of these samples are outlined in the above-referenced 15 June 2015 Scope of Work letter. The results of the testing and the boring logs are presented in the 20 August 2015 report for the Site titled "Report on Additional Soil Sampling, SPLP, and Physical Parameters Analysis for Development of Soil Remediation Goals, United Technologies Corporation, Canoga Avenue Facility, 6633 Canoga Avenue, Canoga Park, California 91303, LARWQCB Case #0237A, Site ID No. 2040214" ". A summary of the soil parameters for the collected soil samples is presented in Table D-I. A review of the soil lithology at the Site and results of the soil parameter testing indicates that the vadose zone soils are comprised primarily of interbedded silty sands, silts, and clays. Since there are distinct separate lithological layers at the Site, one GPL considered to be representative for the entire vadose zone was derived for each chemical.

SELECTED CHEMICALS OF POTENTIAL CONCERN AND ASSOCIATED WATER QUALITY OBJECTIVES

GPLs were derived for select chemicals of potential concern (COPCs) at the Site, which included each chemical detected in soil samples at the Site at a frequency of equal or greater than 1 percent. The COPCs that met this criterion included twelve volatile organic compounds (VOCs), bis(2-ethylhexyl)phthalate, polychlorinated biphenyls (PCBs), and hexavalent chromium, in addition to total petroleum hydrocarbon (TPH) mixtures. The chemical-specific GPL was derived to be protective of a

APPENDIX D

Derivation of Site-specific Groundwater Protection Levels

chemical-specific water quality objective, identified as the California Maximum Contaminant Level (MCL) (i.e., the promulgated California Drinking Water Standard), or for COPCs with no MCL, the June 2015 United States Environmental Protection Agency (EPA) risk-based Regional Screening Levels for tapwater. The COPCs and the associated selected water quality objectives are listed in Table D-2.

GROUNDWATER PROTECTION LEVEL DERIVATION METHODOLOGY

Chemical-specific GPLs were derived using a multiple evaluation step approach that summarized below initially based on the methodology published on pages 5-65 through 5-67 of Section 5.IX of the County of San Diego Department of Environmental Health Site Assessment and Mitigation Manual. This method requires that soil samples be analyzed for their total COPC concentration and their soluble concentrations using the Synthetic Precipitation Leaching Procedure (SPLP), EPA Method 1312. The proposed collection and analysis of soil samples is presented in the 15 June 2015 Scope of Work letter and the results of the soil sampling and analysis to support the GPL evaluation is presented in the above-referenced 20 August 2015 report.

A GPL for each COPC, with the exception of TPH, was derived as follows:

- The initial evaluation step used to derive the chemical-specific GPLs was based on the relationship between the total and soluble concentrations of a chemical in soil. From this relationship, the chemical-specific GPL was identified as the total concentration associated with a soluble concentration that is equal to the Site-specific groundwater quality objective by using a linear graphical evaluation with a minimum of three samples with both total and soluble concentration detections. Tables of the reported total and soluble concentrations for each COPC and plots (if applicable) are provided as Attachment A.

- For chemicals where a relationship between the total and soluble data was not apparent (i.e., the coefficient of determination from the plotted data was less than 0.7) or where there was insufficient data (i.e., less than three samples with detected total and soluble results), the GPL was identified as the highest detected total concentration associated with a soluble concentration below the water quality objective.
- For chemicals without a detected total concentration associated with a detected soluble concentration below the water quality objective, the GPL was derived using a soil partition equation or the methodology presented in the Los Angeles Water Quality Control Board May 1996 guidance titled “Interim Site Assessment & Cleanup Guidebook.” (May 1996 Guidebook) The soil partitioning calculations are provided in Table D-3.

Total Petroleum Hydrocarbons

GPLs for TPH were derived using Table 4-1 of the referenced May Guidebook and assuming a distance above groundwater of less than 20 feet. The resulting groundwater protection levels are 100 mg/kg for C4-C12 range TPH (gasoline), 100 mg/kg for C13-C22 range TPH (diesel), and 1,000 mg/kg for C23-C32 range TPH (oil).

APPENDIX D

Derivation of Site-specific Groundwater Protection Levels

IDENTIFIED GPLS

Site-specific GPLs and the methodology used for derivation are summarized in Table D-4.

Attachments:

Table D-1 – Summary of Soil Physical Parameters
Table D-2 – Chemicals of Potential Concern and Water Quality Objectives
Table D-3 – Calculated Groundwater Protection Levels
Table D-4 – Site-specific Groundwater Protection Level Evaluation Summary
Attachment A – Total and Soluble Concentration Plots

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TABLES

TABLE D-1
SUMMARY OF SOIL PHYSICAL PARAMETERS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Approximately 0 to 1 Feet Below Ground Surface (Not Observed Throughout the Site)

Soil Type by on Boring Log	Soil Classification using PTS Data		Boring ID	Depth (feet bgs)	Bulk Density (g/cc)	Total porosity %Vb	Water-filled Porosity
	USCS	USDA					
Fine sand	Silty sand (SM)	Loamy sand	DP0387-SS-0.5-1.5	0.7	1.41	0.45	0.09
Fine sand	Silty sand (SM)	Sandy loam	DP0383-SS-0.5-1.2	0.9	1.26	0.52	0.14
Sand	Well-graded sand w/silt (SP)	Sand	DP0379-SS-1-2-01	1.25	1.66	0.36	0.28
				Averages:	1.44	0.45	0.17

Soil Type on Boring Log	Soil Classification using PTS Data		Boring ID	Depth (feet bgs)	Bulk Density (g/cc)	Total porosity %Vb	Water-filled Porosity
	USCS	USDA					
Clay w/sand	Elastic silt/lean clay w/ sand (MH/CL)	Silty loam	DP0391-SS-0.5-1.5	0.9	1.44	0.44	0.33
Clay	Elastic silt/elastic clay (MH/CH)	Silty clay	DP0383-SS-1.5-2.5	1.85	1.51	0.41	0.36
Clay	Elastic silt/fat clay w/sand (MH/CH)	Clay loam	DP0387-SS-1.5-2.5	1.85	1.6	0.38	0.28
Clay	Elastic silt/lean clay (MH/CL)	Silty clay loam	DP0391-SS-1.5-3	1.9	1.51	0.44	0.34
Clay/silt	Sandy elastic silt (MH)	Medium loam	DP0379-SS-2-3-01	2.35	1.64	0.37	0.23
Silty sand	Sandy silt (ML)	Medium loam	DP0387-SS-5-6	5.2	1.55	0.40	0.22
Clay w/silt	Sandy silt (ML)	Medium loam	DP0375-SS-005-006	5.25	1.52	0.44	0.31
Silt	Silt w/sand (ML)	Silty loam	DP0383-SS-005-006-01	5.35	1.38	0.47	0.22
Silty fine sand	Sandy silt (ML)	Silty loam	DP0391-SS-6.25-7.5	6.65	1.45	0.44	0.20
Clay w/silt	Silt w/sand (ML)	Silty loam	DP0379-SS-7-8	7.4	1.52	0.42	0.21
Clay w/silt	Silt w/sand (ML)	Medium loam	DP0375-SS-08.5-010	8.7	1.57	0.41	0.32
Clay w/silt	Sandy elastic silt (MH)	Medium loam	DP0375-SS-010.5-012	10.75	1.52	0.42	0.31
Clay	Elastic silt/lean clay (MH/CL)	Silty clay loam	DP0383-SS-10.5-12-01	10.85	1.59	0.39	0.32
Silt w/fine sand	Silt w/sand (ML)	Silty clay loam	DP0379-SS-11.5-13	11.9	1.49	0.43	0.34
Clay w/silt	Elastic silt/lean clay (MH/CL)	Silty loam	DP0387-SS-14-15	14.4	1.53	0.41	0.31
			> 1 foot		1.52	0.42	0.29

TABLE D-2
CHEMICALS OF POTENTIAL CONCERN AND WATER QUALITY OBJECTIVES
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Detected Organic Chemicals in Soil Samples[1]	Number of Soil Samples Tested	Number of Detections	Percentage of Detections	Water Quality Objective (µg/L)	
				California Maximum Contaminant Level (MCL)	EPA Tap Water RSL[2] (for chemicals with no MCL)
Volatile Organic Compounds					
1,1,1-Trichloroethane	924	23	2.5%	200	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	336	6	1.8%	1200	NA
1,2,4-Trimethylbenzene	912	12	1.3%	NA	1.5
1,3,5-Trimethylbenzene	906	9	1.0%	NA	12
Acetone	759	29	3.8%	NA	14000
Benzene	933	48	5.1%	1	NA
cis-1,2-Dichloroethene	912	9	1.0%	6	NA
Ethylbenzene	928	9	1.0%	300	NA
Tetrachloroethene	926	304	32.8%	5	NA
Toluene	927	39	4.2%	150	NA
Trichloroethene	912	60	6.6%	5	NA
Xylenes	203	7	3.4%	1750	NA
Semi-volatile Organic Compounds					
bis(2-Ethylhexyl)phthalate	276	5	1.8%	4	NA
PCBs (all aroclors)	227	8	3.5%	0.5	NA
Inorganic Compounds					
Hexavalent Chromium (Cr+6)	28	4	14.3%	10	NA

NOTES
1. Organic chemical is detected at the Site at a frequency of equal to and greater than 1% in the samples collected and analyzed
2. U.S. Environmental Protection Agency, Region 9, Regional Screening Level of Tap Wate
µg/L = micrograms per liter
NA = not applicable

TABLE D-3
CALCULATED GROUNDWATER PROTECTION LEVELS
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

$$C_t = C_w \left((K_{oc}\, f_{oc}) + \frac{\theta_w + \theta_a H'}{\rho_b} \right)$$

Chemical/Parameter Source	**Calculated GPL (µg/kg)**	Water Quality Objective (µg/L)	Koc = soil organic carbon/water partition coefficient (L/kg)	foc = fraction organic carbon	Kd = soil-water partition coefficient (L/kg) (Koc x foc)	0w = water-filled soil porosity)	0a = air filled soil porosity	Pb = dry soil bulk density (kg/L)	H' = dimensionless Henry's Law	Total porosity
	Ct = soil concentration (µg/kg)	Cw = aqueous concentration (µg/L)								
Volatile Organic Compounds										
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2,908	1,200	196.8	0.002	0.394	0.29	0.13	1.52	21.5045	0.42
1,2,4-Trimethylbenzene	2.2	1.5	614.3	0.002	1.229	0.29	0.13	1.52	0.2518	0.42
Acetone	2,739	14,000	2.364	0.002	0.005	0.29	0.13	1.52	0.0014	0.42
Ethylbenzene	333	300	446.1	0.002	0.892	0.29	0.13	1.52	0.3222	0.42

Table 4-1 of the May 1996 California Regional Water Quality Control Board, Los Angeles and Ventura Counties Region 4 guidance titled "Interim Site Assessment & Cleanup Guidebook"
Ct (ug/kg) = Cw (ug/L) x degradation factor (see Table 4-1, RWQCB, 1996)

Chemical/Parameter Source	**Calculated GPL (µg/kg)**	Water Quality Objective (µg/L)	Degradation Factor
Benzene	11	1	11

NOTES
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
L/kg = liters per kilogram
kg/L = kilograms per liter

REFERENCES
EPA, 2015. Regional Screening Levels (Formerly PRGs), Pacific Southwest, Region 9. June.
EPA, 1996. Soil Screening Guidance: User's Guide. July.
RWQCB, 1996. Interim Site Assessment & Mitigation Guidebook

TABLE D-4

SITE-SPECIFIC GROUNDWATER PROTECTION LEVEL EVALUATION SUMMARY
UNITED TECHNOLOGIES CORPORATION
CANOGA AVENUE FACILITY
CANOGA PARK, CALIFORNIA

Chemicals	Water Quality Objective (µg/L)	Sample Pairs with Detects[2]	Correlation of Determination (R^2)	GPL Based on Total vs. Soluble Correlation (µg/kg)	GPL Based on Highest Detected Total Concentration with Soluble Concentration Less than Water Quality Objective[3] (µg/kg)	GPL Based on Partition Calculation or RWQCB Guidebook[4] (µg/kg)	Selected GPL (µg/kg) *
Volatile Organic Compounds							
1,1,1-Trichloroethane	200	0	NA	NA	8,610	NA	8,600
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1,200	0	NA	NA	NA	2,900	2,900
1,2,4-Trimethylbenzene	1.5	2	NA	NA	NA	2.2	2.2
1,3,5-Trimethylbenzene	12	1	NA	NA	53.3	NA	53
Acetone	14,000	0	NA	NA	NA	2,700	2,700
Benzene	1.0	1	NA	NA	NA	11	11
cis-1,2-Dichloroethylene	6	1	NA	NA	304	NA	300
Ethylbenzene	300	0	NA	NA	NA	330	330
Tetrachloroethylene	5	13	0.060	NA	119	NA	120
Toluene	150	2	NA	NA	14,400	NA	14,000
Trichloroethylene	5	3	0.95	1,440	na	NA	1,400
Xylenes	1,750	1	NA	NA	2,910	NA	2,900
Semi-volatile Organic Compounds							
Bis(2-ethylhexyl)phthalate	4	0	NA	NA	3,920	NA	3,900
Polychlorinated Biphenyls	0.5	0	NA	NA	174	NA	170
Inorganic Compounds							
Hexavalent Chromium	10	0	NA	NA	1,800	NA	1,800
Total Petroleum Hydrocarbons [4]							**(mg/kg)**
C4-C12 (Gasoline Range - Low Aliphatic/Aromatic)							100
C13-C22 (Diesel Range - Medium Aliphatic/Aromatic)							100
C23-C32 (Oil Range)							1,000

NOTES

1. A plot was not used to derive a GPL when the plot included less than 3 sample pairs or the R-squared value is less than 0.7.
2. Sample pair with detects - Sample with a detected total and/or soluble concentration.
3. This GPL is selected as the highest total concentrations for which there are no sample with lower total concentration that has a reported soluble concentration greater than the water quality objective.
4. The May 1996 RWQCB Guidebook was used to derive the estimated GPL for benzene and total petroleum hydrocarbons.

GPL = groundwater protection level
µg/L = micrograms per liter
µg/kg = micrograms per kilogram
NA = not applicable
* = Presented as two significant figures.

ATTACHMENT A

Total and Soluble Concentration Plots

POLYCHLORINATED BIPHENYLS
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0377-SS-001-01	1	SP	**174**	<0.20	**174**	*0.084*
DP0378A-SS-001-01	1	SP	**98.2 J**	<0.20	**98.2**	*0.084*
DP0377-SS-002-01	2	MH/CL	**36.1**	<0.20	**36.1**	*0.084*
DP0376-SS-001-01	1	SP	**16.6 J**	<0.20	**16.6**	*0.084*
DP0376-SS-0066-01	6.6	SM	**11 J**	<0.20	**11**	*0.084*

Maximum Detected in Vadose Soil (µg/kg)	**1,740**
Water Quality Objective (µg/L)	**0.5**

NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit
No other soil samples were analyzed for soluble concentrations by SPLP; since, the total PCB concentration for those samples were reported as less than the method detection limit.

BIS(2-ETHYLHEXYL)PHTHALATE
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0390-SS-001-01	1	SP	**3,920 J**	<40	**3,920**	*1.6*
DP0389-SS-001-01	1	MH/CH	**1,710**	<40	**1,710**	*1.6*
DP0388-SS-001-01	1	MH/CH	<330	<40	*67*	*1.6*
DP0388-SS-0085-01	8.5	CL	<330	<40	*67*	*1.6*
DP0389-SS-0055-01	5.5	ML/CL	<330	<40	*67*	*1.6*
DP0389-SS-007-01	7	ML/SM	<330	<40	*67*	*1.6*
DP0390-SS-002-01	2	MH/CH	<330	<40	*67*	*1.6*
DP0388-SS-002-01	2	MH/CH	<330	<40	*66*	*1.6*
DP0388-SS-007-01	7	ML/SM	<330	<40	*66*	*1.6*
DP0389-SS-002-01	2	MH/CH	<330	<40	*66*	*1.6*
DP0389-SS-0085-01	8.5	CL	<330	<40	*66*	*1.6*
DP0390-SS-0055-01	5.5	ML	<330	<40	*66*	*1.6*
DP0390-SS-007-01	7	ML/SM	<330	<40	*66*	*1.6*
DP0390-SS-0085-01	8.5	CL	<330	<40	*66*	*1.6*

Maximum Detected in Vadose Soil (µg/kg)	**3,920**
Water Quality Objective (µg/L)	**4.0**

NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

1,1,1-TRICHLOROETHANE
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0389-SS-001-01	1	MH/CH	**8,610 J**	<1.0	**8,610**	*0.20*
DP0388-SS-001-01	1	MH/CH	<440	<1.0	*44*	*0.20*
DP0388-SS-002-01	2	MH/CH	<240	<1.0	*24*	*0.20*
DP0389-SS-002-01	2	MH/CH	<220	<1.0	*22*	*0.20*
DP0390-SS-002-01	2	MH/CH	**6.9**	<1.0	**6.9**	*0.20*
DP0390-SS-001-01	1	SP	**3.4 J**	<1.0	**3.4**	*0.20*
DP0390-SS-0085-01	8.5	CL	**2.3 J**	<1.0	**2.3**	*0.20*
DP0389-SS-0085-01	8.5	CL	**1.8 J**	<1.0	**1.8**	*0.20*
DP0388-SS-0085-01	8.5	CL	**1.5 J**	<1.0	**1.5**	*0.20*
DP0388-SS-007-01	7	ML	**0.72 J**	<1.0	**0.72**	*0.20*
DP0390-SS-0055-01	5.5	ML	<6.2	<1.0	*0.62*	*0.20*
DP0390-SS-007-01	7	ML/SM	<5.9	<1.0	*0.59*	*0.20*
DP0389-SS-007-01	7	ML/SM	<4.8	<1.0	*0.48*	*0.20*
DP0389-SS-0055-01	5.5	ML/CL	<4.6	<1.0	*0.46*	*0.20*

Maximum Detected in Vadose Soil (µg/kg)	**21,900**
Water Quality Objective (µg/L)	**200**

NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

1,1,2-Trichloro-1,2,2-Trifluoroethane
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0382-SS-0005-01	0.5	SP	<6.8	<200	*0.68*	*20*
DP0382-SS-009-01	9	SM/SC	<6.1	<200	*0.61*	*20*
DP0380-SS-0015-01	1.5	MH/CH	<5.1	<200	*0.51*	*20*
DP0382-SS-005-01	5	ML	<4.9	<200	*0.49*	*20*
DP0381-SS-009-01	9	SM/SC	<4.9	<200	*0.49*	*20*
DP0380-SS-005-01	5	ML	<4.7	<200	*0.47*	*20*
DP0381-SS-0005-01	0.5	SP	<4.6	<200	*0.46*	*20*
DP0381-SS-005-01	5	ML	<4.6	<200	*0.46*	*20*
DP0380-SS-0005-01	5	ML	<4.5	<200	*0.45*	*20*
DP0381-SS-0015-01	1.5	MH/CH	<4.4	<200	*0.44*	*20*
DP0382-SS-012-01	12	CL/MH	<4.4	<200	*0.44*	*20*
DP0380-SS-012-01	12	CL/MH	<4.3	<200	*0.43*	*20*
DP0382-SS-0015-01	1.5	MH/CH	<4.3	<200	*0.43*	*20*
DP0381-SS-012-01	12	CL/MH	<4.2	<200	*0.42*	*20*

Maximum Detected in Vadose Soil (µg/kg)	**27**
Water Quality Objective (µg/L)	**1,200**

NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

ETHYLBENZENE
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0389-SS-001-01	1	MH/CH	<29000	**1.2**	*2,900*	**1.2**
DP0388-SS-001-01	1	MH/CH	<440	**0.66 J**	*44*	**0.66**
DP0388-SS-002-01	2	MH/CH	<240	<1.0	*24*	*0.20*
DP0389-SS-002-01	2	MH/CH	<220	**9.6**	*22*	**9.6**
DP0388-SS-007-01	7	ML	<6.6	**0.54 J**	*0.66*	**0.54**
DP0390-SS-0085-01	8.5	CL	<6.4	**1.5**	*0.64*	**1.5**
DP0390-SS-0055-01	5.5	ML	<6.2	**0.42 J**	*0.62*	**0.42**
DP0390-SS-007-01	7	ML/SM	<5.9	<1.0	*0.59*	*0.20*
DP0389-SS-0085-01	8.5	CL	<5.8	**0.55 J**	*0.58*	**0.55**
DP0388-SS-0085-01	8.5	CL	<5.4	**0.27 J**	*0.54*	**0.27**
DP0389-SS-007-01	7	ML/SM	<4.8	**1.2**	*0.48*	**1.2**
DP0390-SS-001-01	1	SP	<4.8	**0.64 J**	*0.48*	**0.64**
DP0389-SS-0055-01	5.5	ML/CL	<4.6	**3.8**	*0.46*	**3.8**
DP0390-SS-002-01	2	MH/CH	<4.5	**0.26 J**	*0.45*	**0.26**

Maximum Detected in Vadose Soil (µg/kg)	**5,400**
Water Quality Objective (µg/L)	**300**

NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

1,3,5-TRIMETHYLBENZENE
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0389-SS-001-01	1	MH/CH	<29000	**0.89 J**	*5700*	**0.89**
DP0388-SS-001-01	1	MH/CH	<440	**1.4 J**	*88*	**1.4**
DP0388-SS-002-01	2	MH/CH	**53.3 J**	**0.53 J**	**53.3**	**0.53**
DP0389-SS-002-01	2	MH/CH	<220	**141 J**	*43*	**141**
DP0388-SS-007-01	7	ML	<6.6	<2.0	*1.3*	*0.20*
DP0390-SS-0085-01	8.5	CL	<6.4	**0.37 J**	*1.3*	**0.37**
DP0390-SS-0055-01	5.5	ML	<6.2	<2.0	*1.2*	*0.20*
DP0390-SS-007-01	7	ML/SM	<5.9	<2.0	*1.2*	*0.20*
DP0389-SS-0085-01	8.5	CL	<5.8	**2.3**	*1.2*	**2.3**
DP0388-SS-0085-01	8.5	CL	<5.4	<2.0	*1.1*	*0.20*
DP0389-SS-007-01	7	ML/SM	<4.8	**1.2 J**	*0.96*	**1.2**
DP0390-SS-001-01	1	SP	<4.8	<2.0	*0.96*	*0.20*
DP0389-SS-0055-01	5.5	ML/CL	<4.6	**5.6**	*0.91*	**5.6**
DP0390-SS-002-01	2	MH/CH	<4.5	<2.0	*0.9*	*0.20*

Maximum Detected in Vadose Soil (µg/kg)	**541**
Water Quality Objective (µg/L)	**12**

NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

1,2,4-TRIMETHYLEBENZENE
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0389-SS-001-01	1	MH/CH	<29000	**3.6**	*5700*	**3.6**
DP0388-SS-002-01	2	MH/CH	**170 J**	**0.24 J**	**170**	**0.24**
DP0388-SS-001-01	1	MH/CH	<440	**5.5**	*88*	**5.5**
DP0389-SS-002-01	2	MH/CH	<220	**624**	*43*	**624**
DP0390-SS-002-01	2	MH/CH	**1.5 J**	**0.64 J**	**1.5**	**0.64**
DP0388-SS-007-01	7	ML	<6.6	**0.39 J**	*1.3*	**0.39**
DP0390-SS-0085-01	8.5	CL	<6.4	**1.5 J**	*1.3*	**1.5**
DP0389-SS-0085-01	8.5	CL	<5.8	**4.8**	*1.2*	**4.8**
DP0390-SS-0055-01	5.5	ML	<6.2	**0.76 J**	*1.2*	**0.76**
DP0390-SS-007-01	7	ML/SM	<5.9	**0.46 J**	*1.2*	**0.46**
DP0388-SS-0085-01	8.5	CL	<5.4	<2.0	*1.1*	*0.20*
DP0390-SS-001-01	1	SP	<4.8	**0.54 J**	*0.96*	**0.54**
DP0389-SS-007-01	7	ML/SM	<4.8	**4.2**	*0.96*	**4.2**
DP0389-SS-0055-01	5.5	ML/CL	<4.6	**25**	*0.91*	**25**

Maximum Detected in Vadose Soil (µg/kg)	**1,900**
Water Quality Objective (µg/L)	**1.5**

NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

ACETONE
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0386-SS-0005-01	0.5	SM	<41,000	<25	*10,000*	*10*
DP0385-SS-0005-01	0.5	SM	<6,800	<25	*1,700*	*10*
DP0385-SS-0015-01	1.5	MH/CH	<1,700	<25	*430*	*10*
DP0384-SS-0015-01	1.5	MH/CH	<50	<25	*13*	*10*
DP0385-SS-005-01	5	ML	<48	<25	*12*	*10*
DP0384-SS-0005-01	0.5	SM	<44	<25	*11*	*10*
DP0384-SS-005-01	5	SM	<44	<25	*11*	*10*
DP0386-SS-010-01	10	ML	<43	<25	*11*	*10*
DP0386-SS-0015-01	1.5	MH/CH	<40	<25	*10*	*10*
DP0386-SS-005-01	5	SM	<38	<25	*9.6*	*10*
DP0384-SS-010-01	10	ML	<38	<25	*9.5*	*10*
DP0385-SS-010-01	10	ML/CL	<38	<25	*9.5*	*10*
DP0384-SS-014-01	14	MH/CL	<37	<25	*9.2*	*10*
DP0386-SS-014-01	14	MH/CL	<34	<25	*8.6*	*10*

Maximum Detected in Vadose Soil (µg/kg)	**280**
Water Quality Objective (µg/L)	**14,000**

NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

BENZENE

Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0389-SS-001-01	1	MH/CH	<29000	**2.3**	*2900*	**2.3**
DP0388-SS-001-01	1	MH/CH	<440	**2.5**	*44*	**2.5**
DP0388-SS-002-01	2	MH/CH	<240	**0.39 J**	*24*	**0.39**
DP0389-SS-002-01	2	MH/CH	<220	**0.74 J**	*22*	**0.74**
DP0390-SS-002-01	2	MH/CH	**0.75 J**	**1.8**	**0.75**	**1.8**
DP0388-SS-007-01	7	ML	<6.6	**4.4**	*0.66*	**4.4**
DP0390-SS-0085-01	8.5	CL	<6.4	**11.9**	*0.64*	**11.9**
DP0390-SS-0055-01	5.5	ML	<6.2	**2.9**	*0.62*	**2.9**
DP0390-SS-007-01	7	ML/SM	<5.9	<1.0	*0.59*	*0.20*
DP0389-SS-0085-01	8.5	CL	<5.8	**2.3**	*0.58*	**2.3**
DP0388-SS-0085-01	8.5	CL	<5.4	**1.6**	*0.54*	**1.6**
DP0390-SS-001-01	1	SP	<4.8	**4.8**	*0.48*	**4.8**
DP0389-SS-007-01	7	ML/SM	<4.8	**2.9**	*0.48*	**2.9**
DP0389-SS-0055-01	5.5	ML/CL	<4.6	**3.0**	*0.46*	**3.0**

Maximum Detected in Vadose Soil (µg/kg)	**1,100**
Water Quality Objective (µg/L)	**1**

NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.

µg/kg = micrograms per kilogram

µg/L = micrograms per liter

J = estimated value; result detected above method detection limit and below laboratory reporting limit

< = undetected at indicated laboratory reporting limit

CIS-1,2-DICHLOROETHENE
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0389-SS-001-01	1	MH/CH	<29000	<1.0	*6300*	*0.20*
DP0388-SS-001-01	1	MH/CH	**304 J**	<1.0	**304**	*0.20*
DP0390-SS-002-01	2	MH/CH	**111**	**0.52 J**	**111**	**0.52**
DP0388-SS-002-01	2	MH/CH	**91.2 J**	<1.0	**91.2**	*0.20*
DP0389-SS-002-01	2	MH/CH	**85.3 J**	<1.0	**85.3**	*0.20*
DP0390-SS-001-01	1	SP	**46.9**	<1.0	**46.9**	*0.20*
DP0390-SS-0085-01	8.5	CL	**7.8**	<1.0	**7.8**	*0.20*
DP0389-SS-0085-01	8.5	CL	**3.8 J**	<1.0	**3.8**	*0.20*
DP0388-SS-0085-01	8.5	CL	**3.1 J**	<1.0	**3.1**	*0.20*
DP0388-SS-007-01	7	ML	**1.9 J**	<1.0	**1.9**	*0.20*
DP0390-SS-0055-01	5.5	ML	<6.2	<1.0	*1.4*	*0.20*
DP0390-SS-007-01	7	ML/SM	<5.9	<1.0	*1.3*	*0.20*
DP0389-SS-007-01	7	ML/SM	<4.8	<1.0	*1.1*	*0.20*
DP0389-SS-0055-01	5.5	ML/CL	<4.6	<1.0	*1*	*0.20*

Maximum Detected in Vadose Soil (µg/kg)	**13,200**
Water Quality Objective (µg/L)	**6**

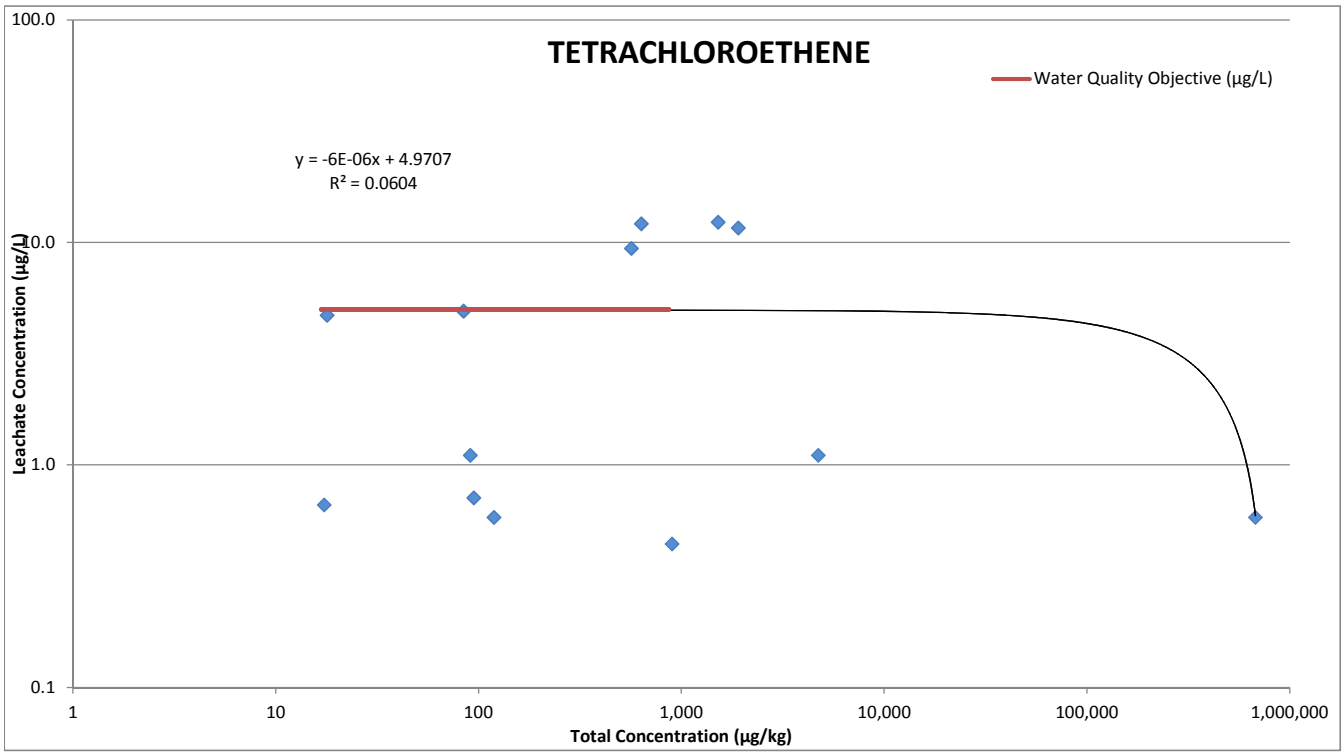
NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

TETRACHLOROETHENE
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0389-SS-001-01	1	MH/CH	**678,000**	**0.58 J**	**678,000**	**0.58**
DP0388-SS-001-01	1	MH/CH	**4,740**	**1.1**	**4,740**	**1.1**
DP0388-SS-002-01	2	MH/CH	**1,910**	**11.6**	**1,910**	**11.6**
DP0390-SS-002-01	2	MH/CH	**1,520**	**12.3**	**1,520**	**12.3**
DP0389-SS-002-01	2	MH/CH	**902**	**0.44 J**	**902**	**0.44**
DP0372-SS-009-01	9	CL/ML	**635**	**12.1**	**635**	**12.1**
DP0372-SS-005-01	5	CL/ML	**569**	**9.4**	**569**	**9.4**
DP0372-SS-012-01	12	CL/ML	**119**	**0.58 J**	**119**	**0.58**
DP0373-SS-009-01	9	CL/ML	**94.9**	**0.71 J**	**94.9**	**0.71**
DP0373-SS-014-01	14	ML/SM	**91.1**	**1.1**	**91.1**	**1.1**
DP0388-SS-0085-01	8.5	CL	**84.3**	**4.9**	**84.3**	**4.9**
DP0390-SS-007-01	7	ML/SM	**17.9**	**4.7**	**17.9**	**4.7**
DP0390-SS-0055-01	5.5	ML	**17.3**	**0.66 J**	**17.3**	**0.66**
DP0390-SS-001-01	1	SP	**869**	<1.0	**869**	0.3
DP0372-SS-014-01	14	SM	**274**	<1.0	**274**	0.33
DP0373-SS-012-01	12	ML	**122**	<1.0	**122**	0.33
DP0390-SS-0085-01	8.5	CL	**91.1**	<1.0	**91.1**	0.3
DP0374-SS-005-01	5	ML/CL	**81.4**	<1.0	**81.4**	0.33
DP0374-SS-009-01	9	CL	**66.7**	<1.0	**66.7**	0.33
DP0389-SS-0085-01	8.5	CL	**61.9**	<1.0	**61.9**	0.3
DP0388-SS-007-01	7	ML	**46.5**	<1.0	**46.5**	0.3
DP0374-SS-012-01	12	SM	**43.9**	<1.0	**43.9**	0.33
DP0373-SS-005-01	5	ML	**22.9**	<1.0	**22.9**	0.33
DP0389-SS-007-01	7	ML/SM	**19.6**	<1.0	**19.6**	0.3
DP0389-SS-0055-01	5.5	ML/CL	**16.8**	<1.0	**16.8**	0.3

Maximum Detected in Vadose Soil (µg/kg)	**940,000**
Water Quality Objective (µg/L)	**5**



NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

TOLUENE
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0389-SS-001-01	1	MH/CH	**14,400 J**	**5.8**	**14,400**	**5.8**
DP0388-SS-001-01	1	MH/CH	<440	**4.8**	*44*	**4.8**
DP0389-SS-002-01	2	MH/CH	**25.7 J**	**25.2**	**25.7**	**25.2**
DP0388-SS-002-01	2	MH/CH	<240	**0.53 J**	*24*	**0.53**
DP0388-SS-007-01	7	ML	<6.6	**7.0**	*0.66*	**7.0**
DP0390-SS-0085-01	8.5	CL	<6.4	**19.8**	*0.64*	**19.8**
DP0390-SS-0055-01	5.5	ML	<6.2	**9.7**	*0.62*	**9.7**
DP0390-SS-007-01	7	ML/SM	<5.9	**0.31 J**	*0.59*	**0.31**
DP0389-SS-0085-01	8.5	CL	<5.8	**4.2**	*0.58*	**4.2**
DP0388-SS-0085-01	8.5	CL	<5.4	**2.7**	*0.54*	**2.7**
DP0390-SS-001-01	1	SP	<4.8	**8.8**	*0.48*	**8.8**
DP0389-SS-007-01	7	ML/SM	<4.8	**6.8**	*0.48*	**6.8**
DP0389-SS-0055-01	5.5	ML/CL	<4.6	**8.2**	*0.46*	**8.2**
DP0390-SS-002-01	2	MH/CH	<4.5	**8.5**	*0.45*	**8.5**

Maximum Detected in Vadose Soil (µg/kg)	**24,900**
Water Quality Objective (µg/L)	**150**

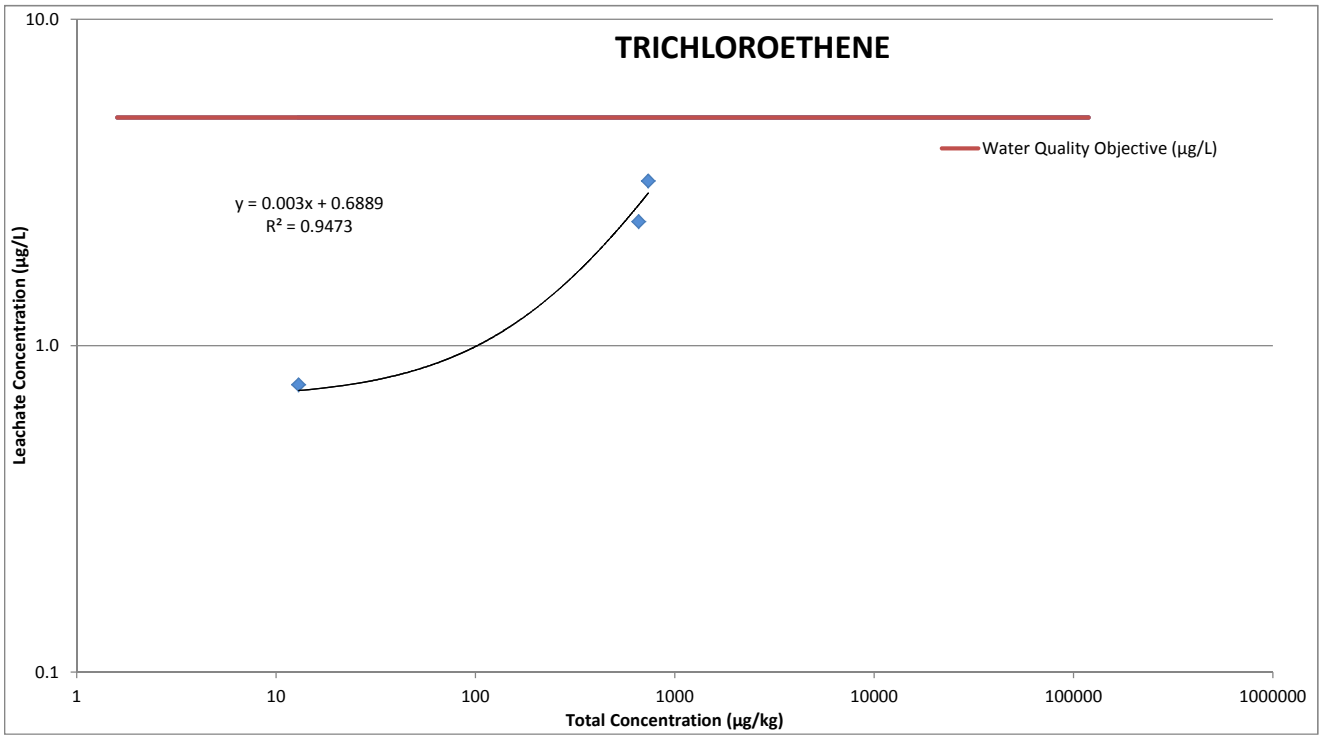
NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

TRICHLOROETHENE
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0390-SS-002-01	2	MH/CH	**736**	**3.2**	**736**	**3.2**
DP0388-SS-002-01	2	MH/CH	**660**	**2.4**	**660**	**2.4**
DP0372-SS-005-01	5	CL/ML	**13**	**0.76 J**	**13**	**0.76**
DP0389-SS-001-01	1	MH/CH	**119,000**	<1.0	**119,000**	*0.22*
DP0388-SS-001-01	1	MH/CH	**1,470**	<1.0	**1,470**	*0.22*
DP0389-SS-002-01	2	MH/CH	**840**	<1.0	**840**	*0.22*
DP0390-SS-001-01	1	SP	**470**	<1.0	**470**	*0.22*
DP0372-SS-014-01	14	SM	**38.5**	<1.0	**38.5**	*0.22*
DP0390-SS-0085-01	8.5	CL	**36.9**	<1.0	**36.9**	*0.22*
DP0372-SS-009-01	9	CL/ML	**25.5**	<1.0	**25.5**	*0.22*
DP0388-SS-0085-01	8.5	CL	**23.1**	<1.0	**23.1**	*0.22*
DP0389-SS-0085-01	8.5	CL	**21.4**	<1.0	**21.4**	*0.22*
DP0372-SS-012-01	12	CL	**13.6**	<1.0	**13.6**	*0.22*
DP0388-SS-007-01	7	ML	**13.4**	<1.0	**13.4**	*0.22*
DP0373-SS-012-01	12	ML	**8.6**	<1.0	**8.6**	*0.22*
DP0373-SS-014-01	14	ML/SM	**6.5**	<1.0	**6.5**	*0.22*
DP0373-SS-009-01	9	CL/ML	**6.2**	<1.0	**6.2**	*0.22*
DP0390-SS-007-01	7	ML/SM	**4.8 J**	<1.0	**4.8**	*0.22*
DP0374-SS-005-01	5	ML/CL	**4.7 J**	<1.0	**4.7**	*0.22*
DP0389-SS-0055-01	5.5	ML/CL	**3.7 J**	<1.0	**3.7**	*0.22*
DP0374-SS-009-01	9	CL	**3.5 J**	<1.0	**3.5**	*0.22*
DP0389-SS-007-01	7	ML/SM	**3 J**	<1.0	**3**	*0.22*
DP0390-SS-0055-01	5.5	ML	**3 J**	<1.0	**3**	*0.22*
DP0374-SS-012-01	12	SM	**2.5 J**	<1.0	**2.5**	*0.22*
DP0373-SS-005-01	5	ML	**1.6 J**	<1.0	**1.6**	*0.22*

Maximum Detected in Vadose Soil (µg/kg)	**166,000**
California Maximum Contaminant Level (µg/L)	**5**
Estimated GPL (ug/kg)	**1,444**



NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

XYLENES
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0389-SS-001-01	1	MH/CH	**2,910 J**	**7.5**	**2,910**	**7.5**
DP0388-SS-001-01	1	MH/CH	<440	**4.6**	*44*	**4.6**
DP0388-SS-002-01	2	MH/CH	<240	<1.0	*24*	*0.20*
DP0389-SS-002-01	2	MH/CH	<220	**131**	*22*	**131**
DP0388-SS-007-01	7	ML	<6.6	**2.3 J**	*0.66*	**2.3**
DP0390-SS-0085-01	8.5	CL	<6.4	**8.9**	*0.64*	**8.9**
DP0390-SS-0055-01	5.5	ML	<6.2	**2.2 J**	*0.62*	**2.2**
DP0390-SS-007-01	7	ML/SM	<5.9	**0.34 J**	*0.59*	**0.34**
DP0389-SS-0085-01	8.5	CL	<5.8	**3.3**	*0.58*	**3.3**
DP0388-SS-0085-01	8.5	CL	<5.4	**1.1 J**	*0.54*	**1.1**
DP0389-SS-007-01	7	ML/SM	<4.8	**6.9**	*0.48*	**6.9**
DP0390-SS-001-01	1	SP	<4.8	**3.2 J**	*0.48*	**3.2**
DP0389-SS-0055-01	5.5	ML/CL	<4.6	**29.1**	*0.46*	**29.1**
DP0390-SS-002-01	2	MH/CH	<4.5	**1.3 J**	*0.45*	**1.3**

Maximum Detected in Vadose Soil (µg/kg)	**11,200**
Water Quality Objective (µg/L)	**1,750**

NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit

HEXAVALENT CHROMIUM
Synthetic Precipitation Leaching Procedure (SPLP)

Sample ID	Depth (ft)	Soil Type (Boring Log)	Results		For Evaluation **	
			Total (µg/kg)	SPLP (µg/L)	Total (µg/kg)	SPLP (µg/L)
DP0376-SS-0066-01	6.6	SM	**1,800**	<10	**1,800**	*10*
DP0376-SS-014-01	14	ML	**1,400**	<10	**1,400**	*10*
DP-0378-SS-0025-01	2.5	SP	**1,100**	<10	**1,100**	*10*
DP0376-SS-001-01	1	SP	<1000	<10	*1000*	*10*
DP0376-SS-002-01	2	MH/CL	<1000	<10	*1000*	*10*
DP0376-SS-0085-01	8.5	SM	<1000	<10	*1000*	*10*
DP0376-SS-0125-01	12.5	CL	<1000	<10	*1000*	*10*
DP0377-SS-001-01	1	SP	<1000	<10	*1000*	*10*
DP0377-SS-002-01	2	MH/CL	<1000	<10	*1000*	*10*
DP0377-SS-0085-01	8.5	SM	<1000	<10	*1000*	*10*
DP0377-SS-0125-01	12.5	SM	<1000	<10	*1000*	*10*
DP0377-SS-014-01	14	SM	<1000	<10	*1000*	*10*
DP-0378-SS-0085-01	8.5	ML	<1000	<10	*1000*	*10*
DP-0378-SS-0125-01	12.5	SP/SM	<1000	<10	*1000*	*10*
DP-0378-SS-014-01	14	SP/SM	<1000	<10	*1000*	*10*
DP0378A-SS-001-01	1	SP	<1000	<10	*1000*	*10*

Maximum Detected in Vadose Soil (µg/kg)	**1,800**
California Maximum Contaminant Level (µg/L)	**10**

NOTES

** The method detection limit, rather than the reporting limit, is assumed to be the concentration, when the result is reported as not detected.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
J = estimated value; result detected above method detection limit and below laboratory reporting limit
< = undetected at indicated laboratory reporting limit