Report on Quarterly Air Monitoring, Area IV, Fifth Quarter 2019

Santa Susana Field Laboratory Ventura County, California

Prepared for:
United States Department of Energy

Prepared by:
North Wind Portage, Inc.

January 2020

(This page intentionally left blank)

Report on Quarterly Air Monitoring, Area IV, Fifth Quarter 2019

Santa Susana Field Laboratory Ventura County, CA

January 2020

Contract No. DE-EM0000837-DT0007583

Prepared for:
U.S. Department of Energy
4100 Guardian Street, Suite 160
Simi Valley, California 93063

Prepared by:
North Wind Portage, Inc.
1425 Higham Street
Idaho Falls, Idaho 83402

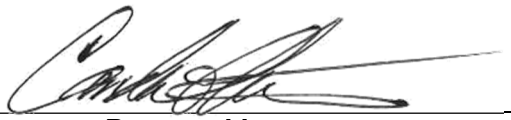
(This page intentionally left blank)

PROFESSIONAL CERTIFICATION

Report on Quarterly Air Monitoring, Area IV, Fifth Quarter 2019
Santa Susana Field Laboratory
Ventura County, California

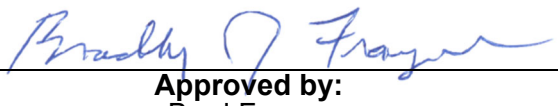
January 2020

This report has been prepared by a team of qualified professionals under the supervision of the senior staff whose signatures appear below.



Prepared by:
Candace Christensen, PMP
Quality Manager

Reviewed by:
Brian Dow, P.G., PMP, QSD
Operations Manager



Approved by:
Brad Frazee
Chief Operating Officer

(This page intentionally left blank)

EXECUTIVE SUMMARY

This report summarizes the United States Department of Energy (DOE) air monitoring activities conducted during the fifth quarter (Q5) of the baseline monitoring period (April 15, 2019, to July 14, 2019) at Area IV within the Santa Susana Field Laboratory (SSFL), located in Ventura County, California.

This quarterly report has been developed by North Wind Portage, Inc., on behalf of DOE in cooperation with The Boeing Company (Boeing) and the National Aeronautics and Space Administration (NASA), as part of a Baseline Air Monitoring Program.

The objective of the Baseline Air Monitoring Program is to evaluate baseline (that is, pre-project) conditions and provide a basis for determining the magnitude of deviation from those baseline conditions resulting from onsite remediation activities (project) at SSFL. In accordance with the *Final Baseline Air Monitoring Work Plan, Santa Susana Field Laboratory, Ventura County, California* (NASA 2017), the responsible parties are monitoring for particulate matter less than 10 microns in aerodynamic diameter (PM_{10}), particulate matter less than 2.5 microns in aerodynamic diameter ($PM_{2.5}$), volatile organic compounds (VOCs), and radionuclides at 14 locations at SSFL. Monitoring stations DOE-1, DOE-2, DOE-3, and DOE-4 are discussed throughout this report. In addition, the Baseline Air Monitoring Program includes collection of meteorological data.

The following air monitoring activities conducted during Q5 2019 by DOE within Area IV are summarized in this report:

- Collected meteorological data from one location (DOE-4);
- Collected PM_{10} data from four locations (DOE-1 through -4);
- Collected air samples from four locations (DOE-1 through -4) for VOC laboratory analysis; and
- Collected radionuclide samples for laboratory analysis from four locations (DOE-1 through -4).

Meteorological data, PM_{10}, VOC, and radionuclide data all met the data completeness goal of 80% for Q5. Air monitoring for DOE stations one through four is to be continued beginning July 15, 2019, with the sixth quarter of monitoring. Future data collected during remediation may be compared to these summarized baseline conditions.

CONTENTS

FIGURES

TABLES

APPENDICES

ACRONYMS AND ABBREVIATIONS

°C	degrees Celsius
°F	degrees Fahrenheit
µCi	microcurie(s)
µg/m^3	microgram(s) per cubic meter
Boeing	The Boeing Company
CAAQS	California Ambient Air Quality Standard
CFR	Code of Federal Regulations
DASC	Data Assessment Statistical Calculator
DOE	U.S. Department of Energy
DTSC	State of California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
ETEC	Energy Technology Engineering Center
GC	gas chromatography
Hg	mercury
HHRA	Human Health Risk Assessment
Lpm	liter(s) per minute
mph	miles per hour
MS	mass spectrometry
m	meter(s)
m/sec	meter(s) per second
mb	millibar(s)
mL	milliliter(s)
MDA	minimum detectable activity
MDC	minimum detectable concentration
NASA	National Aeronautics and Space Administration
NIST	National Institute of Standards and Technology
pCi	picocurie(s)
$PM_{2.5}$	particulate matter less than 2.5 microns in aerodynamic diameter
PM_{10}	particulate matter less than 10 microns in aerodynamic diameter
Q3	third quarter
Q5	fifth quarter
QA	quality assurance
QC	quality control
RAWS	Remote Automatic Weather Stations
RPD	relative percent difference
RSL	regional screening level
SDG	sample delivery group
SSFL	Santa Susana Field Laboratory
VOC	volatile organic compound

1. INTRODUCTION

National Aeronautics and Space Administration (NASA), The Boeing Company (Boeing), and the U.S. Department of Energy (DOE), also known as the responsible parties, are performing baseline air monitoring at the Santa Susana Field Laboratory (SSFL) site located in Ventura County, California. The SSFL is a business segment of Boeing. SSFL operates the 2,849-acre SSFL located atop a range of hills between the Simi and San Fernando valleys, north of Los Angeles. The westernmost 290 acres of the SSFL, known as Area IV, contains both DOE and Boeing facilities. The DOE portion is mainly contained within the 90 acres known as the Energy Technology Engineering Center (ETEC).

When opened in the late 1950s, ETEC was ideally remote from population centers to enable development of security-sensitive projects. These projects supported research for DOE and its predecessor agencies for nuclear research and energy development. Area IV includes buildings that house test apparatus for large-scale heat transfer and fluid mechanics experiments, mechanical and chemical test facilities, office buildings, and auxiliary facilities.

Baseline air monitoring is being conducted in accordance with the *Final Baseline Air Monitoring Work Plan, Santa Susana Field Laboratory, Ventura County, California* (NASA 2017), which was submitted to the State of California Department of Toxic Substances Control (DTSC) on September 21, 2017. DTSC approved the Work Plan. Final locations of the air monitoring locations were approved by DTSC on January 30, 2018 (DTSC 2018).

The objective of the Baseline Air Monitoring Program is to evaluate baseline (that is, pre-project) conditions and provide a basis for determining the magnitude of deviation from those baseline conditions resulting from onsite remediation activities (project) at SSFL. Responsible parties are monitoring for particulate matter less than 10 microns in aerodynamic diameter (PM_{10}), particulate matter less than 2.5 microns in aerodynamic diameter ($PM_{2.5}$), and volatile organic compounds (VOCs), at 14 locations at SSFL. Data were collected for four perimeter samplers (DOE-1 through DOE-4) and analyzed for gross alpha and gross beta. Individual radionuclide concentrations were determined by analysis at an offsite laboratory for these same four locations. Meteorological data are also collected as a part of the Baseline Air Monitoring Program.

Figure 1 shows the air monitoring locations for the Baseline Air Monitoring Program. These locations were selected based on the areas to be remediated, with consideration of winds in the area, topographic features, and accessibility. The air monitoring sites were selected based on guidance obtained from the U.S. Environmental Protection Agency's (EPA's) *Quality Assurance Handbook for Air Pollution Measurement Systems*, Volume II, Ambient Air Monitoring Program (EPA 2017) and *Meteorological Monitoring Guidance for Regulatory Modeling Applications* (EPA 2000). Sites were evaluated per 40 Code of Federal Regulations (CFR) 58, Appendix C –Ambient Air Quality Monitoring Methodology. DOE is responsible for DOE-1, DOE-2, DOE-3, and DOE-4 of the 14 monitoring locations, represented in Figure 1. VOCs, PM_{10}, and radionuclides are monitored at the four DOE monitoring locations, and meteorological conditions are monitored at the DOE-4 location. The DOE monitoring locations DOE-1 through DOE-4 are shown in Figure 2.

This report summarizes the quarterly results and quality assurance (QA) activities performed at the DOE locations between April 15, 2019, and July 14, 2019, which represents the fifth quarter (Q5) of the baseline monitoring program.

1.1 Regional Climate and Wind Direction

The climate in the area of SSFL is characterized as "Mediterranean." The mean temperature during the winter months is approximately 50 degrees Fahrenheit (°F) and the mean temperature in the summer months is approximately 70°F. Based on climate data between 2018 and 2019 from Weather Atlas, average rainfall is on the order of 17.9 inches per year. The majority of the rainfall occurs between December and April.

The average hourly wind speed in Simi Valley varies significantly by season. The more turbulent part of the year lasts for 6 months, from November to April, with average western wind speeds of more than 7 miles per hour (mph). The calmer time of year lasts for 6 months, with northerly winds from May to October.

During the fall, winter, and spring, Santa Ana winds can blow from the north or northeast in excess of 35 mph.

2. ANALYTICAL SAMPLING EVENTS

VOCs are collected according to the EPA Toxic Compendium Method TO-15, *Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)* (EPA 1999). Twenty-four-hour time-integrated samples are collected into Summa canisters via a flow controller and sent to an offsite laboratory for analysis. VOCs are collected every other week. There were six VOC sampling events in this reporting period. One field duplicate sample was collected during each sampling event.

During Q5, radionuclide samples were collected at four perimeter sampler locations, DOE-1 through DOE-4. These samples were collected on glass fiber (Type A/E) filters that are changed twice a week. After a minimum 120-hour holding time to allow the decay of short-lived radon and thoron daughters, the samples are simultaneously counted for gross alpha and beta activity with a low-background, thin-window, gas-flow proportional-counting system continually purged with P-10 argon/methane counting gas over a preset time interval. There were 26 radionuclide sampling events in this reporting period. Following analysis for gross alpha and gross beta radiation, all separate sample filters from each of the four locations were combined at each of the four sampling stations to form one composite sample at each location. The four composite samples were then analyzed for individual radionuclides at an offsite laboratory.

(This page intentionally left blank)

3. DATA

Sections 3.1 through 3.4 discuss Q5 air monitoring data.

3.1 Meteorological Data

Meteorological data collection continued for monitoring station DOE-4. Monitored parameters included wind speed, wind direction, air temperature at 2 meters (m) and 10 m, relative humidity, precipitation, barometric pressure, and solar radiation. In addition, statistical parameters provided by the data logger included delta temperature (i.e., difference between 10-m and 2-m temperature), maximum wind speed (i.e., wind gust), and standard deviation of wind direction. Observations were recorded at 15-minute intervals for :00, :15, :30; and :45 minutes each hour. There were 91 days in this reporting period—April 15, 2019, through July 14, 2019—with a total of 8,736 possible 15-minute observations.

Data Validation and Statistics

Data validation screening was performed on the recorded meteorological observations pursuant to EPA's *Meteorological Monitoring Guidance for Regulatory Modeling Applications* (EPA 2000), Table 8-4 (Suggested Data Screening Criteria) and Table 8-3 (Suggested Quality Control Codes). Validation screening provided the basis for evaluating data completeness and for determining sensor performance and/or maintenance status. It was performed routinely throughout the reporting period following each weekly data download. Data validation quality control codes applied to the meteorological observations are defined in Table 1.

Table 1. Data screening quality control codes for meteorological data.

Code	Meaning	Description (as used for ETEC meteorological data validation)
0	Valid	PASS – Observation is accurate within the performance limits of the instrument (i.e., value passes all data validation screening criteria).
3	Acceptable	PASS – Observation originally failed initial quality control (QC) check (see Code 6), but additional review using other independent data and meteorological judgment supports final validity.
6	Failed initial QC check	FAIL – Observation did not pass data validation screening criteria.
7	Suspect	FAIL – Observation failed initial data validation QC check (see Code 6) and could not be verified through additional review using other independent data.
8	Invalid	FAIL – Observation judged to be inaccurate or in error, and the cause is known.
9	Missing	FAIL – Observation was not collected.

The validation screening involved comparing, on an individual parameter basis, the recorded values (i.e., observations) against the EPA screening criteria shown in Table 2. The data validation procedure involved an initial automated review to apply a first level QC Code of 0 (valid), 6 (failed), or 9 (missing), as defined in Table 1. Observations initially flagged with a QC Code = 6 were then manually (i.e., second-level) reviewed by a project meteorologist. The procedure is outlined below:

- Values meeting all screening criteria for the respective meteorological parameter were automatically considered "valid" (QC Code = 0).
- Values not meeting screening criteria were automatically flagged as "failed initial QC" (QC Code = 6). These values were subjected to second-level manual meteorological review using other available observations (e.g., 2-m vs. 10-m temperature at DOE-4 or from nearby Remote

Automatic Weather Stations [RAWS] meteorological station CEEC1 in the Cheeseboro Canyon, California, area located 2.6 miles south of the DOE-4 site), and meteorological judgment:

  - Values confirmed by second-level review were deemed "acceptable" (final QC Code = 3).
  - Otherwise, the values were deemed "suspect" (final QC Code = 7).
- Observations know to be inaccurate (QC Code = 8).
- Missing observations were automatically flagged as "missing" (QC Code = 9).

Values that pass validation with a final QC Code of 0 or 3 are included in the data completeness statistics and the final validated meteorological data set. Values with a final QC Code of 7, 8, or 9 are excluded from the final dataset and counted against the data completeness percentage. Quarterly data statistics for the meteorological parameters are listed in Table 2 along with year-to-date and project-to-date results. Year-to-date percentages are calculated as total valid observation through the completed quarters for the year divided by the total possible observations through this same period. The first year of baseline air monitoring consisted of quarters one through four, and the second year will extend to quarters five through eight.

Table 2. Data screening summary for monitored meteorological parameters.

Meteorological Parameter	Screening Criteria (1) (for valid sensor responses)	Data Completeness Percent (%) (2)					
		Q5	-	-	-	Year #2 to Date	Project to Date
Wind Speed	between 0 and 25 meters per second (m/sec) > 0.1 m/sec variation over 3 hours > 0.5 m/sec variation over 12 hours	100.00	-	-	-	100.00	82.73
Wind Direction	between 0 and 360 degrees > 1 degree variation over 3 hours > 10 degree variation over 12 hours	100.00	-	-	-	100.00	82.73
Standard Deviation of Wind Direction	Inherits the completeness stats of Wind Direction	100.00	-	-	-	100.00	82.73
Temperature @ 2 m	≤ local record high (monthly basis) ≥ local record low (monthly basis) > 0.5°C (Celsius) variation over 12 hours	100.00	-	-	-	100.00	82.73
Temperature @ 10 m	≤ local record high (monthly basis) ≥ local record low (monthly basis) > 0.5°C variation over 12 hours	100.00	-	-	-	100.00	82.73
Delta Temperature	≤ 0.1°C during daytime ≥ -0.1°C during nighttime between -3.0 and 5.0°C	100.00	-	-	-	100.00	82.73
Relative Humidity (and Dewpoint Temperature)	relative humidity between 0-100% dew point T ≤ ambient T dew point T ≤ 5.0°C variation over 1 hour dew point T > 0.5°C variation over 12 hours	100.00	-	-	-	100.00	63.03
Precipitation	≤ 1 inch in 1 hour ≤ 4 inches in 24 hours ≥ 2 inches in 3 months	100.00	-	-	-	100.00	82.73
Barometric Pressure	between 871 and 982 millibar (mb) (local) (i.e., between 940 and 1060 mb sea level) ≤ 6 mb variation over 3 hours	100.00	-	-	-	100.00	82.73
Solar Radiation	> 0 at night ≤ maximum possible for date and latitude	99.91	-	-	-	99.91	82.70

(1) Screening criteria from EPA Meteorological Monitoring Guidance (EPA 2000), Table 8-4.
(2) Data Completeness % = [Observations Passing] / [Possible observations)]. Missing or suspect observations count against the data completeness statistics. The number of possible 15-minute observations in the reporting period (Q5): 8,736.

The project data completeness goal for meteorological data is 80% on an annual basis. As shown in Table 2, the data completeness goal was achieved for all parameters in Q5.

The final validated 15-minute meteorological dataset was used to develop the windrose for this monitoring quarter and is presented as Figure 3. A windrose is a graphical representation of wind speed and direction distribution (or climatology) for the period of interest. The frequency of winds blowing from a particular direction is shown as petals on the windrose, with the frequency of wind speeds depicted by color bands. Calm winds are identified as being less than 0.5 m/sec.

During Q5, data capture for wind speed and direction at DOE-4 was 100%. The average and maximum wind speeds were 3.3 m/sec and 13.1 m/sec, respectively. The predominant wind direction was from the east-southeast with a secondary peak from the west-northwest.

3.2 PM_{10} Data

PM_{10} data are being collected with Met One E-BAM monitors at four monitoring locations. The Met One E-BAM uses the principle of beta attenuation to provide a determination of mass concentration. Twenty-four-hour concentrations are calculated from the hourly concentrations. There were 91 days in this reporting period. Monitors at locations DOE-1, DOE-2, and DOE-4 ran for all 91 days. DOE-3 had 81 valid reading days due to a filter pressure sensor failure from 04/29/19 through 05/04/19 and 05/18/19 through 05/20/19 and on 5/23/19; after these failures, the sample nozzle and tape vane were cleaned and sampling resumed. Data completeness for PM_{10} exceeded the project goal of 80% completeness (see Table 3). The complete table of daily averages is presented in Appendix A.

Table 3. PM_{10} data completeness for April 15, 2019 – July 14, 2019.

Location	Valid Readings (Days)	Possible Readings (Days)	Data Completeness (Percent)
DOE-1	91	91	100
DOE-2	91	91	100
DOE-3	81	91	89
DOE-4	91	91	100

The five highest PM_{10} results identified for the reporting period are listed in Table 4 along with the California Ambient Air Quality Standard (CAAQS) for PM_{10}. PM_{10} concentrations were consistent with levels typically found in urban air. The five highest concentrations recorded during this reporting period were recorded at location DOE-3. All five values were below the CAAQS of 50 ($\mu g/m^3$) and the National Ambient Air Quality Standard of 150 micrograms per cubic meter ($\mu g/m^3$).

Table 4. Top five PM_{10} 24-hour average concentration days.

Date	Location	PM_{10} Value ($\mu g/m^3$)	CAAQS ($\mu g/m^3$)
5/3/2019	DOE-3	41.25000	50
5/4/2019	DOE-3	38.79100	50
5/23/2019	DOE-3	38.29100	50
4/29/2019	DOE-3	38.08300	50
4/30/2019	DOE-3	35.54100	50

Bold text and gray shaded – Value exceeds CAAQS.

3.3 Volatile Organic Compound Data

There were six VOC sampling events in this reporting period. Each of the four DOE locations was sampled during each sampling event. Data completeness goals for VOCs exceeded the project goal of 85% (see Table 5).

Table 5. Ambient air VOC data completeness.

Location	Valid Readings (Days)	Possible Readings (Days)	Data Completeness (Percent)
DOE-1	6	6	100
DOE-2	6	6	100
DOE-3	6	6	100
DOE-4	6	6	100

VOC detection results are presented in Table 6, including comparison to the April 2019 DTSC Human Health Risk Assessment (HHRA) Note 3 Screening Levels (DTSC 2019) or the May 2018 EPA Residential Air Regional Screening Levels (RSLs) (EPA 2018). Two analytes, tetrachloroethene (17 µg/m^3) and vinyl chloride (3.6 µg/m^3), were detected above the DTSC HHRA during the Q5 reporting period. Three results, Trichloroethene (6.8 µg/m^3 and 3.3 µg/m^3), 1,1-Dichloroethane (2.4 µg/m^3) were detected above the EPA Residential Air RSL during the Q5 reporting period; all detections were located at DOE-1. 1,1-dichloroethane is an Former Sodium Disposal Facility groundwater contaminant, tetrachloroethene is found on the backside of Building 57, trichloroethene is a common groundwater contaminant, and vinyl chloride is found in very small amounts at the Former Sodium Disposal Facility. Except for trichloroethene, there is no source for these chemicals in the drainage below the RMHF. It is suspected that these are analytical artifacts, not reflective of air quality. Complete VOC analytical results are presented in Appendix B.

Table 6. Ambient air VOC detection results compared to RSLs.

Location ID	Sample Date	Analyte	Result	Screening Level Value	SL Source
DOE-1	4/26/2019	2-Butanone (MEK)	3.9	5200	US EPA RSL
DOE-1	4/26/2019	Dichlorodifluoromethane	2.2	100	US EPA RSL
DOE-1	4/26/2019	Ethyl acetate	1.3	73	US EPA RSL
DOE-2	4/26/2019	Carbon disulfide	6.7	730	US EPA RSL
DOE-2	4/26/2019	Dichlorodifluoromethane	2.3	100	US EPA RSL
DOE-3	4/26/2019	Carbon disulfide	7	730	US EPA RSL
DOE-3	4/26/2019	Dichlorodifluoromethane	2.2	100	US EPA RSL
DOE-4	4/26/2019	Dichlorodifluoromethane	2.3	100	US EPA RSL
DOE-4	4/26/2019	Ethyl acetate	1.1	73	US EPA RSL
DOE-1	5/10/2019	Carbon disulfide	2.9	730	US EPA RSL
DOE-1	5/10/2019	Chloromethane	2	94	US EPA RSL
DOE-1	5/10/2019	Dichlorodifluoromethane	2.4	100	US EPA RSL
DOE-1	5/10/2019	Ethyl acetate	1.7	73	US EPA RSL
DOE-1	5/10/2019	Trichloroethene	**6.8**	0.48	US EPA RSL
DOE-2	5/10/2019	Chloromethane	1.7	94	US EPA RSL
DOE-2	5/10/2019	Dichlorodifluoromethane	2.5	100	US EPA RSL
DOE-3	5/10/2019	Dichlorodifluoromethane	2.3	100	US EPA RSL
DOE-3	5/10/2019	Ethyl acetate	1.4	73	US EPA RSL

Location ID	Sample Date	Analyte	Result	Screening Level Value	SL Source
DOE-4	5/10/2019	Dichlorodifluoromethane	2.3	100	US EPA RSL
DOE-1	5/22/2019	Dichlorodifluoromethane	2.6	100	US EPA RSL
DOE-2	5/22/2019	Dichlorodifluoromethane	2.5	100	US EPA RSL
DOE-3	5/22/2019	Dichlorodifluoromethane	2.4	100	US EPA RSL
DOE-4	5/22/2019	2-Butanone (MEK)	3	5200	US EPA RSL
DOE-4	5/22/2019	Carbon disulfide	2.7	730	US EPA RSL
DOE-4	5/22/2019	Dichlorodifluoromethane	2.5	100	US EPA RSL
DOE-4	5/22/2019	Ethyl acetate	6.1	73	US EPA RSL
DOE-4	5/22/2019	Tetrahydrofuran	32	2100	US EPA RSL
DOE-4	5/22/2019	Toluene	4.3	310	DTSC HHRA Note 3
DOE-1	6/4/2019	Carbon disulfide	3.1	730	US EPA RSL
DOE-1	6/4/2019	Dichlorodifluoromethane	2	100	US EPA RSL
DOE-1	6/4/2019	Ethyl acetate	1.9	73	US EPA RSL
DOE-2	6/4/2019	Carbon disulfide	3.6	730	US EPA RSL
DOE-2	6/4/2019	Chloromethane	1.7	94	US EPA RSL
DOE-2	6/4/2019	Dichlorodifluoromethane	2.5	100	US EPA RSL
DOE-2	6/4/2019	Ethyl acetate	1.2	73	US EPA RSL
DOE-3	6/4/2019	Chloromethane	1.7	94	US EPA RSL
DOE-3	6/4/2019	Dichlorodifluoromethane	2.6	100	US EPA RSL
DOE-4	6/4/2019	2-Butanone (MEK)	3	5200	US EPA RSL
DOE-4	6/4/2019	Chloromethane	1.8	94	US EPA RSL
DOE-4	6/4/2019	Dichlorodifluoromethane	2.4	100	US EPA RSL
DOE-4	6/4/2019	Ethyl acetate	1.4	73	US EPA RSL
DOE-1	6/18/2019	Carbon disulfide	20	730	US EPA RSL
DOE-1	6/18/2019	Dichlorodifluoromethane	2.6	100	US EPA RSL
DOE-2	6/18/2019	Dichlorodifluoromethane	2.5	100	US EPA RSL
DOE-2	6/18/2019	Ethyl acetate	2	73	US EPA RSL
DOE-2	6/18/2019	Toluene	2.5	310	DTSC HHRA Note 3
DOE-3	6/18/2019	Dichlorodifluoromethane	2.7	100	US EPA RSL
DOE-4	6/18/2019	Dichlorodifluoromethane	2.8	100	US EPA RSL
DOE-4	6/18/2019	Ethyl acetate	1.3	73	US EPA RSL
DOE-1	7/3/2019	1,1,2-Trichloro-1,2,2-trifluoroethane	32	5200	US EPA RSL
DOE-1	7/3/2019	1,1-Dichloroethane	**2.4**	1.8	US EPA RSL
DOE-1	7/3/2019	1,1-Dichloroethene	30	73	DTSC HHRA Note 3
DOE-1	7/3/2019	Dichlorodifluoromethane	3.9	100	US EPA RSL
DOE-1	7/3/2019	Tetrachloroethene	**17**	0.46	DTSC HHRA Note 3
DOE-1	7/3/2019	trans-1,2-Dichloroethene	2.1	83	DTSC HHRA Note 3
DOE-1	7/3/2019	Trichloroethene	**3.3**	0.48	US EPA RSL
DOE-1	7/3/2019	Trichlorofluoromethane	3.1	1300	DTSC HHRA Note 3

Location ID	Sample Date	Analyte	Result	Screening Level Value	SL Source
DOE-1	7/3/2019	Vinyl chloride	**3.6**	0.0095	DTSC HHRA Note 3
DOE-2	7/3/2019	Dichlorodifluoromethane	2.4	100	US EPA RSL
DOE-3	7/3/2019	Dichlorodifluoromethane	2.3	100	US EPA RSL
DOE-4	7/3/2019	Dichlorodifluoromethane	2.2	100	US EPA RSL

Bold text and gray shaded – detection above the reporting limit, and also exceeds the EPA or DTSC Screening Level.

3.4 Radionuclide Data

There were 26 sampling events for air samplers DOE-1 through DOE-4 during this reporting period. Radionuclide samples were collected on glass fiber filters, as discussed in Section 2, and analyzed at the site. Results of gross alpha and gross beta along with the minimum detectable concentration (MDC) for the air samplers are provided in Table 7. Nearly all gross alpha results were less than the MDC. Most gross beta results were less than the MDC. Results less than the MDC are noted in the table with either a "*" symbol or as a negative number. Negative numbers occur because detector background is subtracted from the result.

Results for the individual radionuclides from air samplers DOE-1 through DOE-4 are reported in Table 8. All air filters for a sampling station were combined to form a composite sample. The laboratory reports the individual radionuclide data in units of picocuries (pCi)/sample. These data are converted to airborne radioactivity concentrations by dividing by the volume of air represented by each composite sample. Reporting units are microcuries (µCi)/milliliter (mL), as is referenced in the California regulations. Note that while each air sampler operated at approximately 35 liters per minute (Lpm) the 4-inch-diameter filters were cut into 1.85-inch-diameter circles to be analyzed onsite in the gas flow proportional counter. These smaller-diameter filters were sent to the laboratory for analysis; therefore, the air volume represented by each individual filter was reduced accordingly (by a factor of 4.67).

The data for individual radionuclides were independently validated. All man-made radionuclide results were non-detect. The only detections found were for naturally occurring radionuclides. The naturally occurring radionuclides that were detected at some or all four locations are: polonium-210, combined radium-226 and radium-228, thorium-228, thorium-230, thorium-232, uranium-233/234, uranium-235/236, and uranium-238.

Table 7. Gross alpha and gross beta air sample results for air samplers.

Air Station ID	Sample Collection Date	Gross Alpha (µCi/mL)	Gross Alpha minimum detectable activity (MDA) (µCi/mL)	Gross Beta (µCi/mL)	Gross Beta MDA (µCi/mL)
Sample Location – DOE-1					
DOE-1	4/15/19	*4.26E-15	7.41E-15	*3.01E-14	3.06E-14
DOE-1	4/18/19	-1.11E-16	9.71E-15	-7.01E-15	4.13E-14
DOE-1	4/22/19	-8.19E-17	7.18E-15	*3.07E-15	3.05E-14
DOE-1	4/25/19	*1.25E-15	9.54E-15	*2.71E-15	4.06E-14
DOE-1	4/29/19	-8.33E-17	7.30E-15	-5.46E-16	3.11E-14
DOE-1	5/2/19	-2.69E-15	9.55E-15	*1.73E-14	4.07E-14
DOE-1	5/6/19	*4.69E-15	7.18E-15	4.55E-14	3.06E-14
DOE-1	5/9/19	-3.37E-15	1.20E-14	-6.21E-15	5.09E-14
DOE-1	5/13/19	-2.53E-15	7.14E-15	-9.44E-15	3.04E-14

Air Station ID	Sample Collection Date	Gross Alpha (µCi/mL)	Gross Alpha minimum detectable activity (MDA) (µCi/mL)	Gross Beta (µCi/mL)	Gross Beta MDA (µCi/mL)
DOE-1	5/17/19	-4.75E-16	7.18E-15	*5.18E-15	3.06E-14
DOE-1	5/20/19	*6.24E-15	9.56E-15	*2.57E-14	4.07E-14
DOE-1	5/23/19	*4.18E-15	9.56E-15	-5.02E-15	4.12E-14
DOE-1	5/28/19	-1.21E-15	5.74E-15	*7.56E-15	2.47E-14
DOE-1	5/31/19	*5.54E-17	9.62E-15	*2.04E-15	4.14E-14
DOE-1	6/4/19	*2.39E-15	7.54E-15	3.13E-14	2.93E-14
DOE-1	6/7/19	*3.19E-15	1.01E-14	-7.52E-15	3.90E-14
DOE-1	6/11/19	-7.05E-16	7.58E-15	*1.13E-14	2.94E-14
DOE-1	6/14/19	-1.63E-15	1.01E-14	*8.23E-15	3.92E-14
DOE-1	6/18/19	*3.89E-15	7.45E-15	*2.55E-14	2.97E-14
DOE-1	6/21/19	*6.46E-15	1.06E-14	*1.71E-14	4.03E-14
DOE-1	6/25/19	-2.46E-15	7.93E-15	*6.98E-15	3.00E-14
DOE-1	6/28/19	-2.57E-15	1.05E-14	*1.67E-15	3.98E-14
DOE-1	7/1/19	*2.24E-15	1.05E-14	4.29E-14	3.97E-14
DOE-1	7/5/19	*1.08E-15	7.87E-15	*6.84E-15	3.12E-14
DOE-1	7/9/19	*5.40E-16	7.74E-15	*1.04E-14	3.07E-14
DOE-1	7/12/19	-2.77E-15	1.04E-14	-4.20E-15	4.12E-14
Sample Location – DOE-2					
DOE-2	4/15/19	*1.16E-15	7.43E-15	*2.83E-14	3.09E-14
DOE-2	4/18/19	-1.50E-15	9.71E-15	-4.22E-15	4.13E-14
DOE-2	4/22/19	-1.62E-15	7.18E-15	-9.30E-15	3.05E-14
DOE-2	4/25/19	*3.29E-15	9.54E-15	-7.12E-16	4.05E-14
DOE-2	4/29/19	-1.65E-15	7.31E-15	*8.38E-15	3.11E-14
DOE-2	5/2/19	-2.01E-15	9.55E-15	*1.80E-14	4.07E-14
DOE-2	5/6/19	*1.07E-15	7.18E-15	*2.93E-14	3.06E-14
DOE-2	5/9/19	*2.82E-15	9.62E-15	-8.42E-17	4.10E-14
DOE-2	5/13/19	-9.86E-16	7.14E-15	-4.23E-15	3.04E-14
DOE-2	5/17/19	*1.59E-15	7.19E-15	*3.04E-14	3.06E-14
DOE-2	5/20/19	*5.56E-15	9.56E-15	*3.76E-14	4.07E-14
DOE-2	5/23/19	-4.07E-15	9.55E-15	-1.98E-14	4.11E-14
DOE-2	5/28/19	-1.20E-15	5.74E-15	*5.87E-15	2.47E-14
DOE-2	5/31/19	-2.02E-15	9.63E-15	-2.28E-14	4.14E-14
DOE-2	6/4/19	-1.73E-15	7.54E-15	*1.49E-14	2.93E-14
DOE-2	6/7/19	-2.48E-16	1.01E-14	*1.09E-14	3.91E-14
DOE-2	6/11/19	*8.51E-16	7.58E-15	*2.84E-14	2.94E-14
DOE-2	6/14/19	-2.49E-16	1.01E-14	5.28E-14	3.92E-14
DOE-2	6/18/19	*3.38E-15	7.45E-15	*2.29E-14	2.97E-14
DOE-2	6/21/19	*1.58E-15	1.06E-14	*1.43E-14	4.03E-14
DOE-2	6/25/19	*2.73E-15	7.93E-15	*8.02E-15	3.00E-14

Air Station ID	Sample Collection Date	Gross Alpha (µCi/mL)	Gross Alpha minimum detectable activity (MDA) (µCi/mL)	Gross Beta (µCi/mL)	Gross Beta MDA (µCi/mL)
DOE-2	6/28/19	-2.60E-15	1.06E-14	-1.36E-14	4.02E-14
DOE-2	7/1/19	*1.78E-16	1.05E-14	*2.43E-14	3.96E-14
DOE-2	7/5/19	*2.66E-15	7.87E-15	3.15E-15	3.12E-14
DOE-2	7/9/19	-2.06E-15	7.75E-15	*2.08E-14	3.07E-14
DOE-2	7/12/19	*2.79E-17	1.04E-14	*2.44E-14	4.12E-14
Sample Location – DOE-3					
DOE-3	4/15/19	*5.31E-15	7.43E-15	*1.40E-14	3.09E-14
DOE-3	4/18/19	-2.88E-15	9.72E-15	-1.61E-14	4.13E-14
DOE-3	4/22/19	*2.50E-15	7.24E-15	*1.35E-14	3.08E-14
DOE-3	4/25/19	*5.33E-15	9.53E-15	4.72E-14	4.05E-14
DOE-3	4/29/19	*3.05E-15	7.31E-15	4.41E-14	3.11E-14
DOE-3	5/2/19	*4.86E-15	9.55E-15	*1.39E-14	4.07E-14
DOE-3	5/6/19	*5.72E-15	7.18E-15	5.13E-14	3.06E-14
DOE-3	5/9/19	*1.44E-15	9.60E-15	-4.29E-15	4.09E-14
DOE-3	5/13/19	*2.61E-15	7.14E-15	4.37E-14	3.04E-14
DOE-3	5/17/19	*5.60E-16	7.20E-15	*2.36E-14	3.07E-14
DOE-3	5/20/19	*4.87E-15	9.56E-15	*2.01E-15	4.07E-14
DOE-3	5/23/19	-3.39E-15	9.57E-15	-1.34E-14	4.08E-14
DOE-3	5/28/19	*2.10E-15	5.74E-15	-8.97E-16	2.47E-14
DOE-3	5/31/19	-6.37E-16	9.63E-15	*1.91E-14	4.14E-14
DOE-3	6/4/19	*4.97E-15	7.54E-15	5.07E-14	2.93E-14
DOE-3	6/7/19	*1.13E-15	1.01E-14	4.65E-14	3.90E-14
DOE-3	6/11/19	-7.06E-16	7.59E-15	3.46E-14	2.95E-14
DOE-3	6/14/19	*2.51E-15	1.01E-14	*3.84E-14	3.92E-14
DOE-3	6/18/19	7.46E-15	7.45E-15	3.59E-14	2.97E-14
DOE-3	6/21/19	-5.16E-16	1.06E-14	*1.69E-15	4.03E-14
DOE-3	6/25/19	*2.21E-15	7.93E-15	*7.50E-15	3.00E-14
DOE-3	6/28/19	-4.68E-15	1.06E-14	*3.65E-14	4.01E-14
DOE-3	7/1/19	*8.65E-16	1.05E-14	8.00E-14	3.97E-14
DOE-3	7/5/19	*5.49E-16	7.87E-15	3.21E-14	3.11E-14
DOE-3	7/9/19	*5.41E-16	7.76E-15	*1.30E-14	3.07E-14
DOE-3	7/12/19	*2.80E-17	1.04E-14	-4.90E-15	4.12E-14
Sample Location – DOE-4					
DOE-4	4/15/19	*6.42E-16	7.42E-15	*1.30E-14	3.08E-14
DOE-4	4/18/19	*5.82E-16	9.73E-15	*1.19E-14	4.14E-14
DOE-4	4/22/19	*2.47E-15	7.17E-15	3.96E-14	3.05E-14
DOE-4	4/25/19	-3.51E-15	9.54E-15	5.96E-14	4.06E-14
DOE-4	4/29/19	*3.05E-15	7.32E-15	4.57E-14	3.11E-14
DOE-4	5/2/19	-1.32E-15	9.55E-15	-7.75E-15	4.07E-14

Air Station ID	Sample Collection Date	Gross Alpha (µCi/mL)	Gross Alpha minimum detectable activity (MDA) (µCi/mL)	Gross Beta (µCi/mL)	Gross Beta MDA (µCi/mL)
DOE-4	5/6/19	*4.69E-15	7.18E-15	5.60E-14	3.06E-14
DOE-4	5/13/19	-2.01E-15	7.13E-15	*1.71E-14	3.04E-14
DOE-4	5/17/19	*4.77E-17	8.28E-15	*1.08E-14	3.53E-14
DOE-4	5/20/19	*3.98E-15	1.09E-14	-8.89E-16	4.64E-14
DOE-4	5/23/19	*5.56E-15	9.57E-15	-1.56E-14	4.12E-14
DOE-4	5/28/19	-1.20E-15	5.74E-15	2.53E-14	2.47E-14
DOE-4	5/31/19	*5.54E-17	9.63E-15	*4.04E-14	4.14E-14
DOE-4	6/4/19	*1.89E-15	7.57E-15	5.20E-14	2.94E-14
DOE-4	6/7/19	*1.82E-15	1.01E-14	*2.87E-14	3.91E-14
DOE-4	6/11/19	-7.06E-16	7.59E-15	3.41E-14	2.95E-14
DOE-4	6/14/19	-3.70E-15	1.01E-14	*6.86E-16	3.92E-14
DOE-4	6/18/19	7.97E-15	7.45E-15	4.68E-14	2.97E-14
DOE-4	6/21/19	*1.58E-15	1.06E-14	6.25E-14	4.03E-14
DOE-4	6/25/19	*6.54E-16	7.93E-15	*2.10E-14	3.00E-14
DOE-4	6/28/19	-3.94E-15	1.05E-14	*2.09E-14	3.97E-14
DOE-4	7/1/19	*3.65E-15	1.06E-14	4.27E-14	4.01E-14
DOE-4	7/5/19	-1.03E-15	7.87E-15	*1.16E-14	3.11E-14
DOE-4	7/9/19	-5.00E-16	7.76E-15	*2.29E-14	3.07E-14
DOE-4	7/12/19	-6.71E-16	1.04E-14	*3.07E-14	4.13E-14

Results less than the MDC are noted with either a "" symbol or as a negative number. Negative numbers occur because detector background is subtracted from the result.

Table 8. Individual radionuclide analysis for the composite filter samples.

Radionuclide	Result (pCi/sample)	MDC (pCi/sample)	Data Qualifier[1]	Airborne Concentration (µCi/mL)
Location DOE-1 – Air volume/sample = 9.89E8 mL				
Cesium-137	-4.35	7.99	U *U*	< 8.079E-15
Strontium-90	1.39	2.98	U *U*	< 3.013E-15
Cobalt-60	-3.97	7.58	U *U*	< 7.664E-15
Potassium-40	10.4	82.6	U *U*	< 8.352E-14
Beryllium-7	140	194	U *U*	< 1.962E-13
Plutonium-238	0.0483	0.13	U *U*	< 1.314E-16
Polonium-210	14.3	0.672		1.45E-14
Plutonium-241	11.8	17.6	U *U*	< 1.780E-14
Thorium-230	0.922	0.599		9.32E-16
Thorium-228	0.527	0.798	U *U*	< 8.068E-16
Americium-241	-0.0222	0.188	U *U*	< 1.901E-16
Plutonium-239	0.0289	0.203	U *U*	< 2.053E-16
Ra-228 – total	2.49	5.11	U *U*	< 5.167E-15
Radium-226, -228 combined	2.52	1.82		2.55E-15
Thorium-232	0.507	0.528	U *U*	< 5.339E-16
Uranium-238	0.854	0.106		8.64E-16
Uranium-233/234	0.743	0.114		7.51E-16
Uranium-235/236	0.088	0.0748		8.90E-17
Location DOE-2 – Air volume/sample = 9.95E8 mL				
Cesium-137	-0.715	7.13	U *U*	< 7.166E-15
Strontium-90	1.88	2.89	U *U*	< 2.905E-15
Cobalt-60	1.8	7.88	U *U*	< 7.920E-15
Potassium-40	152	71.3		1.53E-13
Beryllium-7	4.59	171	U *U*	< 1.719E-13
Plutonium-238	-0.0371	0.12	U *U*	< 1.206E-16
Polonium-210	15	0.637		1.51E-14
Plutonium-241	10.7	16.2	U *U*	< 1.628E-14
Thorium-230	1.01	0.653		1.02E-15
Thorium-228	0.394	0.705	U *U*	< 7.086E-16
Americium-241	-0.0188	0.217	U *U*	< 2.181E-16
Plutonium-239	-0.0444	0.106	U *U*	< 1.065E-16
Ra-228 – total	1.3	4.04	U *U*	< 4.060E-15
Radium-226, -228 combined	2.98	2.41		3.00E-15
Thorium-232	0.676	0.35		6.79E-16
Uranium-238	0.65	0.104		6.53E-16
Uranium-233/234	0.719	0.112		7.23E-16
Uranium-235/236	0.0521	0.0999	U *U*	< 1.004E-16

Radionuclide	Result (pCi/sample)	MDC (pCi/sample)	Data Qualifier[1]	Airborne Concentration (µCi/mL)
Location DOE-3 – Air volume/sample = 9.94E8 mL				
Cesium-137	-2.87	9.34	U *U*	< 9.392E-15
Strontium-90	0.601	2.94	U *U*	< 2.956E-15
Cobalt-60	4.79	13.8	U *U*	< 1.388E-14
Potassium-40	107	110	U *U*	< 1.106E-13
Beryllium-7	24.1	199	U *U*	< 2.001E-13
Plutonium-238	-0.0232	0.268	U *U*	< 2.695E-16
Polonium-210	15.1	0.561		1.52E-14
Plutonium-241	16.9	20.1	U *U*	< 2.021E-14
Thorium-230	0.768	0.599	J	7.72E-16
Thorium-228	0.916	0.698	J	9.21E-16
Americium-241	0.0255	0.161	U *U*	< 1.619E-16
Plutonium-239	0.00193	0.318	U *U*	< 3.198E-16
Ra-228 – total	2.29	3.59	U *U*	< 3.610E-15
Radium-226, -228 combined	3.78	2.19		3.80E-15
Thorium-232	0.736	0.59	J	7.40E-16
Uranium-238	0.875	0.16		8.80E-16
Uranium-233/234	0.809	0.146		8.14E-16
Uranium-235/236	0.0214	0.118	U *U*	< 1.187E-16
Location DOE-4 – Air volume/sample = 9.85E8 mL				
Cesium-137	4.95	9.92	U *U*	< 1.007E-14
Strontium-90	-1.76	2.93	U *U*	< 2.974E-15
Cobalt-60	7.24	12.5	U *U*	< 1.269E-14
Potassium-40	73.3	77.7	U *U*	< 7.888E-14
Beryllium-7	69.3	214	U *U*	< 2.172E-13
Plutonium-238	0.0765	0.0846	U *U*	< 8.588E-17
Polonium-210	15.1	0.362		1.53E-14
Plutonium-241	13.2	16.7	U *U*	< 1.695E-14
Thorium-230	0.726	0.963	U *UJ*	< 9.776E-16
Thorium-228	0.227	1.14	U *UJ*	< 1.157E-15
Americium-241	0.108	0.17	U *U*	< 1.726E-16
Plutonium-239	0.0305	0.102	U *U*	< 1.035E-16
Ra-228 – total	0	3.67	U *U*	< 3.726E-15
Radium-226, -228 combined	2.34	1		2.38E-15
Thorium-232	0.357	0.406	U *UJ*	< 4.121E-16
Uranium-238	0.81	0.148		8.22E-16
Uranium-233/234	0.829	0.162		8.42E-16
Uranium-235/236	0.038	0.121	U *U*	< 1.228E-16

[1] Qualifier column contains laboratory flags (normal font) and validation qualifiers (italics).

(This page intentionally left blank)

4. QA/QC ACTIVITIES

The following QA/QC activities were conducted for the PM_{10}, VOC, radionuclide, and meteorological data collection and analysis.

4.1 Field QA/QC

4.1.1 PM_{10}

The 24-hour daily averages for Q5 are presented in Appendix A along with the monthly average minimum, maximum, and 95th percentile for each station location.

Flow Verifications

Functionality of the Met One E-BAM units is verified and recorded monthly during instrument audits; however, the instruments are also checked several times a week for operability. During the monthly audits, the Met One E-BAM temperature, pressure, and flow rate are verified against a National Institute of Standards and Technology (NIST) traceable flowmeter. None of the results exceeded the flow rate measurement quality objective of +/- 4%.

Complete audit reports and flow rate verification results are presented in Appendix C of this document. The flow rate verifications were based on 40 CFR 58, Appendix A, 3.3.1 and 4.2.2 through 4.2.3, along with the *Guideline on the Meaning and the Use of Precision and Bias Data Required by 40 CFR Part 58 Appendix A* (EPA 2007). The *Data Assessment Statistical Calculator* (DASC) tool, which is an Excel-based software application, was used to perform the necessary statistical calculations based on input audit data. Sections 2 and 2.5 of the EPA guidance document (EPA 2007) provide additional information and instruction for the use of the DASC tool.

4.1.2 VOCs

A minimum of 20% of the VOC results are undergoing third-party data validation. During this quarter, one of the six sample delivery groups (SDGs), SDG 320-51438-1, underwent data validation.

4.1.3 Field Duplicates

Six field duplicates were collected during this reporting period, one per sampling event, which exceeds the minimum quality objective of 10 percent. Two analytes, ethyl acetate in SDG# 320-50918-1 and dichlorodifluoromethane in SDG# 320-51983-1, were detected in two of the six field duplicate pairs; exceeding the quality objective of +/- 15% relative percent difference (RPD). Two of the analytes, chloromethane in SDG# 320-50580-1 and carbon disulfide in SDG# 320-51438-1, were detected at levels higher than the RL (either the sample or duplicate), and in comparison, were reported as a non-detect in the associated sample or duplicate and exceeded the quality objective of +/- 15% RPD. Seven analytes were detected near the reporting limit in either the sample or duplicate, and in comparison, were reported as a non-detect in the associated sample or duplicate. Five sample and duplicate analyte detections were within the quality objective of +/- 15% RPD. There were no other detections associated with the samples and associated duplicates collected during this reporting period.

4.1.4 Canister Pressure

Vacuum in the canisters is measured before and after sampling with an analog pressure gauge to ensure proper function. Final canister vacuums ranged from -5 inches mercury (Hg) to -1 inches Hg during this reporting period.

4.1.5 Radiological

The detector for onsite gross alpha and beta sample analysis is calibrated annually by a third-party vendor using sources traceable to the NIST. The detector is checked in by counting alpha- and beta-emitting sources at the site when received from the vendor following calibration. This establishes an acceptable performance range for daily source checks. On each day the detector is used, performance is determined with the site source. The detector may be used if the daily check is within the acceptable performance range.

QC checks are performed for samples analyzed at the offsite laboratory. These QC checks include blanks, laboratory replicates, matrix spikes, and matrix spike duplicates. Barium, which behaves chemically similar at to radium, is used as a carrier to determine the yield of the chemical extraction. The acceptable yield per laboratory procedure is from 40 to 110%. The barium yield was greater than 110% for all radium analyses. When the yield is higher than that allowed, then the analytical results for radium-226 and radium-228 are biased low. Most results were less than the laboratory MDC. In some cases, the radium-226 and radium-228 results when evaluated against the MDC were more than 1,000 times less than the airborne effluent limits listed in 10 CFR 20, Appendix B, Table 2. Thus, there is no reason to suspect that there was an airborne release of radium-226 or radium-228 that was of any significance.

A minimum of 20% of the annual radiological analytical results are undergoing third-party data validation. The SDG from this quarter as well as the third quarter (Q3) underwent the annual data validation, exceeding the minimum of 20%.

4.1.6 Meteorological

During the reporting period, a weekly data validation screening and review was performed on the monitored meteorological parameters based on the EPA guidance document *Meteorological Monitoring Guidance for Regulatory Modeling Applications* (EPA 2000), Table 8-4 – Suggested Data Screening Criteria, as outlined in Section 3.1. The data validation procedure provided the basis for evaluating data completeness and for determining sensor performance and/or maintenance status.

4.1.7 Maintenance

Equipment maintenance performed during this reporting period included the following:

- Cleaned Met One E-BAM nozzle/vane, as needed
- Cleaned PM_{10} inlets and downtubes, as needed.

4.1.8 Corrective Action

Issues and corrective actions regarding the PM_{10} monitors and the meteorological station are noted in Sections 4.1.9 and Section 4.1.10, respectively. No issues or corrective actions were noted regarding the remaining monitoring equipment or sampling events during this reporting period.

4.1.9 PM_{10} Monitors

The Met One E-BAM monitor shut down at DOE-3 due to a filter pressure sensor failure from 04/29/19 through 05/02/19 and 05/18/19 through 05/20/19. The sample nozzle and tape vane were cleaned and sampling resumed.

4.1.10 Meteorological Station

Although there were no unresolved data quality issues for Q5, an improperly programmed data logger continues to affect the calculation of delta temperature (i.e., temperature difference between 2 m and 10 m).

Delta Temperature Calculation – As stated in the corrective actions section of the Q3 air monitoring report (North Wind, Inc. 2019), the new data logger installed on December 18, 2018, was programmed to calculate delta temperature inversely to how it had been calculated in the original data logger (i.e., prior to November 7, 2018). Consequently, the new delta temperature observations are being calculated with an opposite sign compared to the values from the original data logger.

The equations below represent the before and after delta temperature calculations:

- Prior to November 7, 2018:

  Delta Temperature = [Temperature @ 10 m] minus [Temperature @ 2 m] *(Eq. 4-1)*

- November 7 to December 18, 2018:

  Missing (wildfire damage to station DOE-4)

- After December 18, 2018:

  Delta Temperature = [Temperature @ 2 m] minus [Temperature @ 10 m] *(Eq. 4-2)*

For consistency with the initial data collection quarters, the delta temperature calculations from the new data logger are adjusted through postprocessing to conform with Equation 4-1. The adjustment is simply a multiplication factor of "-1" applied to the delta temperature values from the new data logger prior to the data validation.

Meteorological Data Sensor Maintenance – Although not a corrective action, the recommended maintenance frequency for the meteorological sensors is presented below. Proper and timely maintenance of the meteorological sensors is critical for ensuring that the data are not only valid (based on screening criteria) but also accurate. Schedules for maintenance and calibration are listed in the sensor user manuals and are based on the service time of the sensor. Table 9 lists the maintenance schedules for the Met One sensors installed at the DOE-4 meteorological station.

Table 9. Meteorological sensor recommended maintenance frequency (Met One).

Sensor	Frequency	Maintenance
WS	6–12 Month	Inspect for proper operation (manual check of pulses per revolution, bearing condition, anemometer cup condition, and bearing replacement if warranted)
	12–24 month	Return to Met One for complete overhaul
WD	6–12 Month	Inspect for proper operation (manual check of sensor readings through 360°)
	6–12 Month	Field calibration
	12–24 month	Replace bearings & potentiometer
T	6–12 Month	Inspect sensor for proper operation (field comparison sensor reading against a precision mercury thermometer)
RH	6–12 Month	Inspect sensor for proper operation (compare sensor reading against local weather service or field psychrometer)
	12 Month	Return sensor to Met One for calibration and replacement of O-rings and filter membrane
Rain Gauge	6 Month	Clean sensor and bucket and field verify proper operation
Pressure	12 Month	Return sensor to Met One for calibration and replacement of O-rings and filter membrane
Radiometer	Monthly	Clean sensor glass dome with clean rag/tissue
Note – Maintenance schedules are specified in the respective Met One sensor user manuals.		

4.2 Laboratory QA/QC

This report covers 30 air monitoring samples for VOCs collected and analyzed according to the EPA Toxic Compendium Method TO-15, *Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)* (EPA 1999). These samples were reported under six SDGs by the laboratory. The analyses were performed by Test America Group in Sacramento, CA. For each SDG, the laboratory ran continuing calibration verification, a method blank, and laboratory control samples, and verified surrogate recoveries for each sample.

4.3 Audit Results

The PM_{10} instruments were calibrated at the manufacturer and were functioning properly upon installation. The PM_{10} instruments were audited monthly with a secondary NIST traceable flow meter. Although audits occur only monthly, the instruments were checked several times a week to ensure that they were functioning. Table 10 lists the dates for audits conducted in April through July. No flow rate comparisons exceeded the project's acceptance criterion of +/- 4. Complete audit reports are presented in Appendix C.

Table 10. PM_{10} audit completeness.

Location	Met One E-BAM Serial Number	Parameter	Date
DOE-1	X16067	PM_{10}	5/14/2019
DOE-2	W23314	PM_{10}	5/14/2019
DOE-3	W23313	PM_{10}	5/14/2019
DOE-4	W23310	PM_{10}	5/14/2019
DOE-1	X16067	PM_{10}	6/17/2019
DOE-2	W23314	PM_{10}	6/17/2019
DOE-3	W23313	PM_{10}	6/17/2019
DOE-4	W23310	PM_{10}	6/17/2019
DOE-1	X16067	PM_{10}	7/15/2019
DOE-2	W23314	PM_{10}	7/15/2019
DOE-3	W23313	PM_{10}	7/15/2019
DOE-4	W23310	PM_{10}	7/15/2019

(This page intentionally left blank)

5. SUMMARY

This report summarizes the air monitoring data collected during the Q5 reporting period (April 15, 2019, through July 14, 2019).

Quality objectives and data completeness of 80% were met for all meteorological, PM_{10}, VOC, and radionuclide date for Q5 of the baseline air monitoring program.

Urban background data compared with baseline monitoring data indicate that the PM_{10} concentrations measured at stations DOE-1, DOE-2, DOE-3, and DOE-4 during Q5 are comparable to the PM_{10} concentrations measured at stations characterizing urban background. During Q5 three of the five average daily concentrations exceeded the CAAQS of 50 $\mu g/m^3$ but were below the National Ambient Air Quality Standard of 150 $\mu g/m^3$.

During Q5 two VOC analytes, tetrachloroethane and vinyl chloride, were detected above the DTSC HHRA and three analytes were detected above EPA Residential Air RSL . All of these detections were located at DOE-1. Concentrations of VOCs characteristic of motor vehicle emissions, fossil fuel combustion, and wildfires are comparable around SSFL compared with the urban background, reflecting the site's relatively remote location from vehicle traffic. None of the measured VOCs were noted to be extremely high.

Of the 26 radiological sample events in Q5, detections for gross alpha and gross beta that exceeded the MDC are all naturally occurring radionuclides. Detections are expected because the results are calculated at a 95% confidence level. No man-made radionuclides that are contaminants of concern at ETEC were detected.

Data collected during the Q5 reporting period agrees with data collected, analyzed, and reported by the State of California Department of Toxic Substances Control, Los Angeles County Emergency Response Organization, the DOE Emergency Response organization or other Multi-Agency Task Forces. The remaining data were validated and there are no statistically significant changes in the Q5 Baseline Air Monitoring results. Air monitoring at Area IV of the SSFL is to be continued starting July 15, 2019, for the sixth quarter of the air monitoring program.

(This page intentionally left blank)

6. REFERENCES

10 Code of Federal Regulations (CFR) 20, Appendix B, "Annual Limits on Intake (ALIs) and Derived Air Concentrations (DACs) of Radionuclides for Occupational Exposure; Effluent Concentrations; Concentrations for Release to Sewerage," Table 2.

40 CFR 58, Appendix C –Ambient Air Quality Monitoring Methodology.

California Environmental Protection Agency, Department of Toxic Substances Control (DTSC). 2018. *Approval of the Final Air Monitoring Station Locations for the Santa Susana Field Laboratory, Ventura County, California.* January.

California Environmental Protection Agency, DTSC. 2019. Human and Ecological Risk Office Human Health Risk Assessment Note Number 3, DTSC-modified Screening Levels. April. https://www.dtsc.ca.gov/AssessingRisk/upload/HHRA-Note-3-April-2019.pdf.

National Aeronautics and Space Administration (NASA). 2017. *Santa Susana Field Laboratory Baseline Air Monitoring Report Work Plan Report.* Prepared for California Department of Toxic Substances Control. Prepared on behalf of National Aeronautics and Space Administration, George C. Marshall Space Flight Center, The Boeing Company, and Department of Energy, Energy Technology and Engineering Center. September. Available online at:https://www.dtsc-ssfl.com/files/lib_air_monitor/work_plan/67496_SSFL_AirMonitoringWorkPlan_Final.pdf

North Wind, Inc. 2019. *Report on Quarterly Air Monitoring , Area IV, Third Quarter 2018–2019, Santa Susana Field Laboratory, Ventura County, California.* Prepare for United States Department of Energy. May.

U.S. Environmental Protection Agency (EPA). 1999. *Air Method, Toxic Organics-15 (TO-15), Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)*. EPA 625/R-96/010b. January. Available online at: https://www.epa.gov/homeland-security-research/epa-air-method-toxic-organics-15-15-determination-volatile-organic

U.S. Environmental Protection Agency (EPA). 2000. *Meteorological Monitoring Guidance for Regulatory Modeling Applications.* United State Environmental Protection Agency, Office of Air Quality Planning and Standards. EPA-454/R-99-005. February 2000.

U.S. Environmental Protection Agency (EPA). 2017.*Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II, Ambient Air Monitoring Program*. EPA-454/B-17-001. January 2017.

U.S. Environmental Protection Agency (EPA). 2018. Regional Screening Levels – Generic Tables. https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables. May.

(This page intentionally left blank)

Figure 1

SSFL Air Monitoring Locations

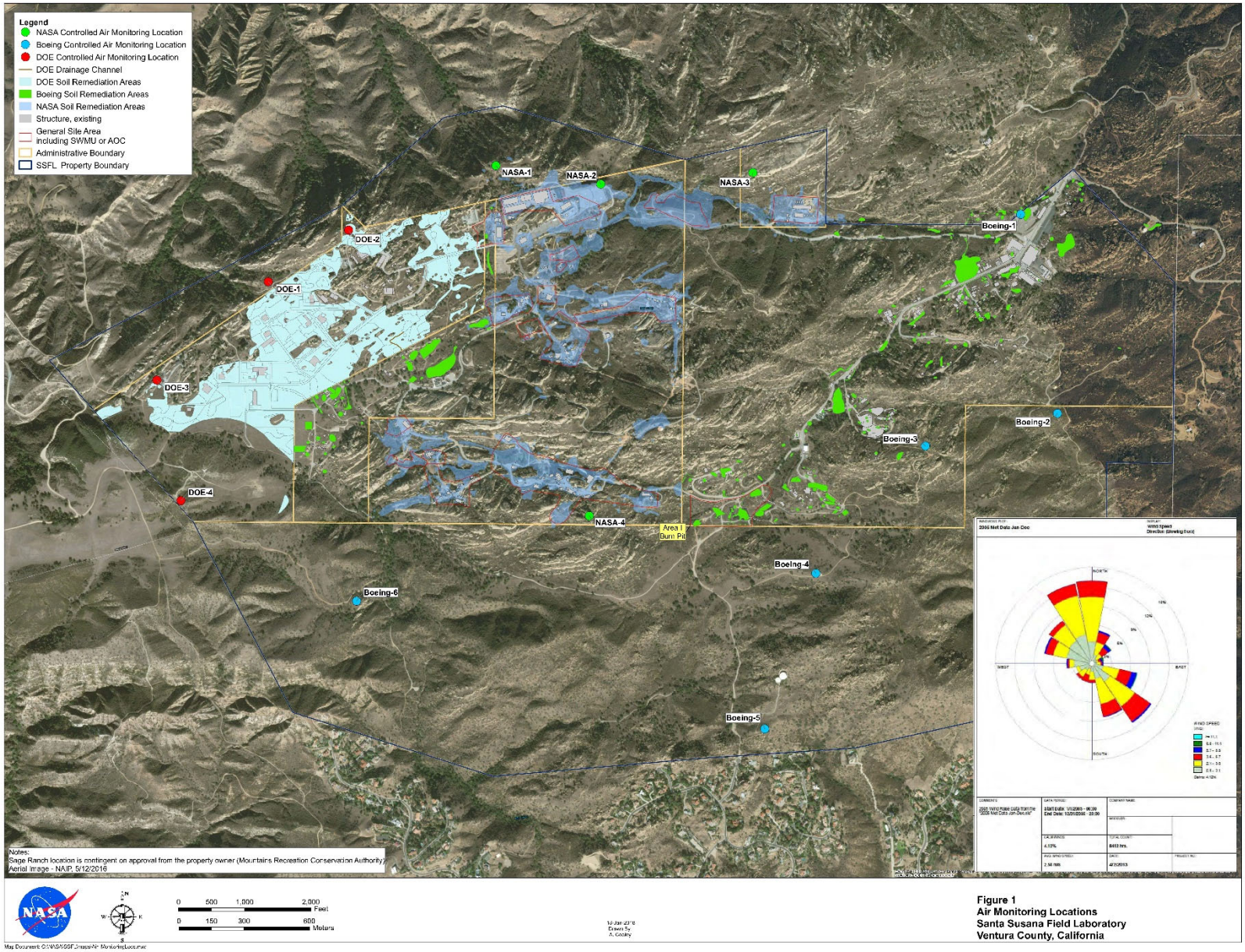


Figure 1
Air Monitoring Locations
Santa Susana Field Laboratory
Ventura County, California

Figure 2

DOE Air Monitoring Locations

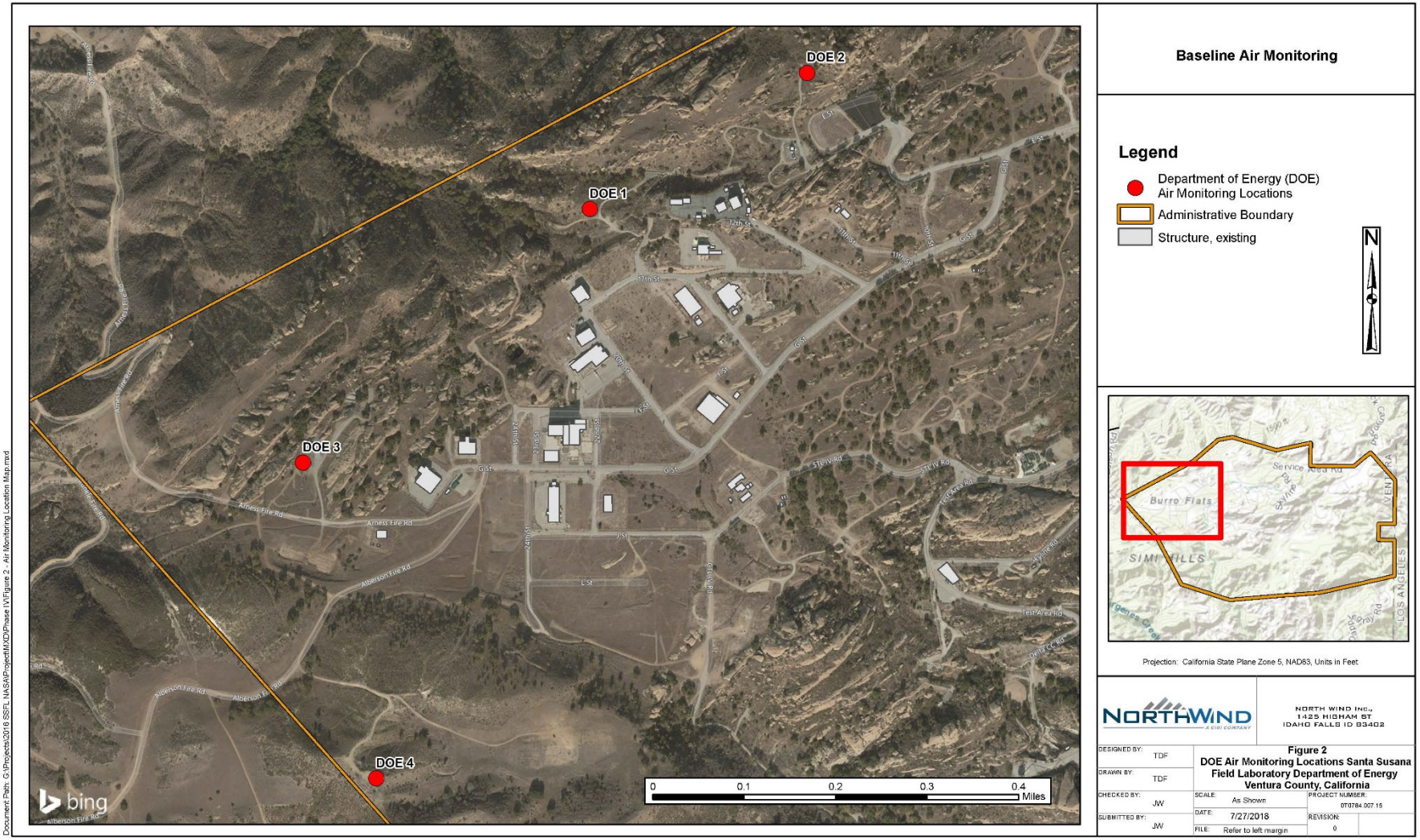
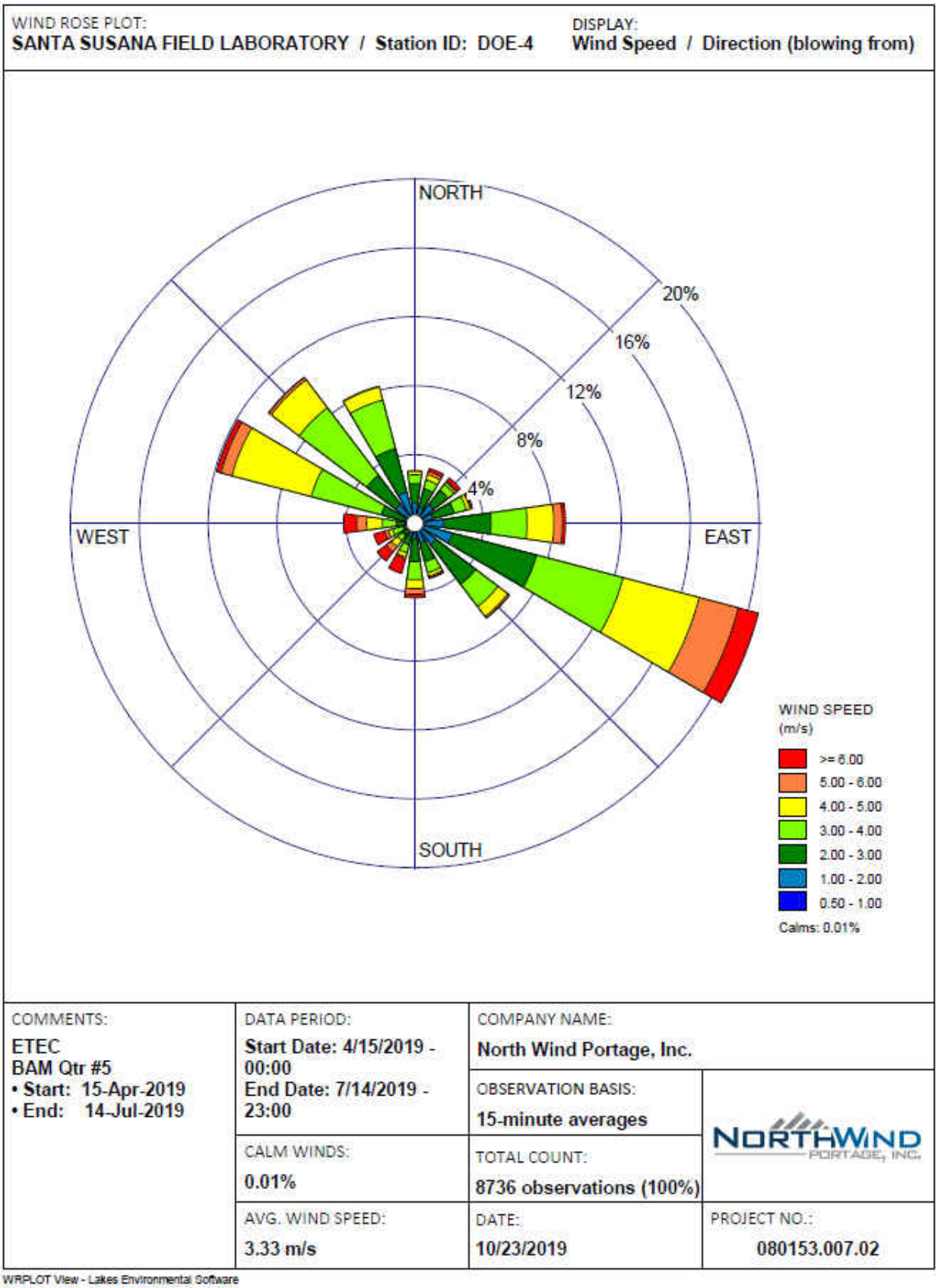

DOE 1
DOE 2
DOE 3
DOE 4
Baseline Air Monitoring
Legend
Department of Energy (DOE) Air Monitoring Locations
Administrative Boundary
Structure, existing
N
Burro Flats
SIMI HILLS
LOS ANGELES
Projection: California State Plane Zone 5, NAD83, Units in Feet
NORTHWIND
NORTH WIND INC.,
1425 HIGHAM ST
IDAHO FALLS ID 83402
Figure 2
DOE Air Monitoring Locations Santa Susana Field Laboratory Department of Energy Ventura County, California
DESIGNED BY: TDF
DRAWN BY: TDF
CHECKED BY: JW
SUBMITTED BY: JW
SCALE: As Shown
DATE: 7/27/2018
FILE: Refer to left margin
PROJECT NUMBER: 070784.007.15
REVISION: 0
0 0.1 0.2 0.3 0.4 Miles
bing
Document Path: G:\Projects\2016 SSFL NASA\Project\MXD\Phase IV\Figure 2 - Air Monitoring Location Map.mxd

Figure 3

DOE Quarterly Windrose


WIND ROSE PLOT:
SANTA SUSANA FIELD LABORATORY / Station ID: DOE-4
DISPLAY:
Wind Speed / Direction (blowing from)
NORTH
EAST
SOUTH
WEST
4%
8%
12%
16%
20%
WIND SPEED
(m/s)
>= 6.00
5.00 - 6.00
4.00 - 5.00
3.00 - 4.00
2.00 - 3.00
1.00 - 2.00
0.50 - 1.00
Calms: 0.01%
COMMENTS:
ETEC
BAM Qtr #5
• Start: 15-Apr-2019
• End: 14-Jul-2019
DATA PERIOD:
Start Date: 4/15/2019 - 00:00
End Date: 7/14/2019 - 23:00
COMPANY NAME:
North Wind Portage, Inc.
OBSERVATION BASIS:
15-minute averages
CALM WINDS:
0.01%
TOTAL COUNT:
8736 observations (100%)
AVG. WIND SPEED:
3.33 m/s
DATE:
10/23/2019
PROJECT NO.:
080153.007.02
NORTHWIND PORTAGE, INC.
WRPLOT View - Lakes Environmental Software

APPENDIX A

PM_{10} Daily Averages and Monthly Statistics

(This page intentionally left blank)

PM_{10} Daily Averages

Site ID	DOE-1	DOE-2	DOE-3	DOE-4
Sample Date	PM10 (µg/m³) (CAAQS 50 µg/m³)	PM10 (µg/m³) (CAAQS 50 µg/m³)	PM10 (µg/m³) (CAAQS 50 µg/m³)	PM10 (µg/m³) (CAAQS 50 µg/m³)
04/15/19	12.00000	12.25000	9.83300	9.33300
04/16/19	9.08300	8.25000	8.54100	10.08300
04/17/19	6.25000	7.83300	9.91600	7.16600
04/18/19	8.95800	11.62500	11.32000	8.62500
04/19/19	13.87500	18.62500	18.20800	17.29100
04/20/19	9.54100	14.04100	13.58300	18.41600
04/21/19	7.41600	8.70800	7.83300	11.08300
04/22/19	11.66600	11.66600	14.75000	12.66600
04/23/19	10.00000	9.25000	9.41600	16.95800
04/24/19	22.37500	26.41600	29.91600	24.79100
04/25/19	20.29100	20.00000	25.16600	20.70800
04/26/19	13.58300	22.00000	19.16600	16.16600
04/27/19	13.66600	14.70800	19.33300	25.16600
04/28/19	11.75000	11.95800	28.58300	12.91600
04/29/19	7.58300	7.20800		10.37500
04/30/19	7.54100	13.50000		9.45800
05/01/19	12.04100	10.29100		12.91600
05/02/19	18.91600	16.66600		22.91600
05/03/19	20.29100	18.37500		24.20800
05/04/19	18.50000	18.04100		21.54100
05/05/19	12.12500	12.95800	26.54100	16.00000
05/06/19	6.41600	15.25000	20.00000	10.83300
05/07/19	4.41600	7.50000	15.95800	4.66600
05/08/19	5.54100	9.00000	15.25000	8.62500
05/09/19	5.62500	10.37500	8.66600	6.75000
05/10/19	3.95800	4.54100	7.37500	4.58300
05/11/19	6.37500	10.41600	11.54100	11.41600
05/12/19	10.16600	15.33300	14.95800	14.29100
05/13/19	11.54100	24.87500	24.70800	12.75000
05/14/19	10.45800	16.20800	21.87500	16.54100
05/15/19	9.79100	15.41600	17.33300	12.45800
05/16/19	6.41600	8.83300	16.08300	13.04100
05/17/19	9.95800	12.25000	11.00000	14.91600
05/18/19	15.37500	20.66600		19.29100
05/19/19	3.83300	7.00000		6.66600
05/20/19	4.37500	6.95800		5.12500

Site ID	DOE-1	DOE-2	DOE-3	DOE-4
Sample Date	PM10 (µg/m^3) (CAAQS 50 µg/m^3)	PM10 (µg/m^3) (CAAQS 50 µg/m^3)	PM10 (µg/m^3) (CAAQS 50 µg/m^3)	PM10 (µg/m^3) (CAAQS 50 µg/m^3)
05/21/19	9.70800	14.66600	13.00000	12.50000
05/22/19	5.75000	9.50000	7.20800	10.00000
05/23/19	9.25000	12.91600		12.08300
05/24/19	7.45800	7.33300	35.54100	12.00000
05/25/19	8.75000	12.29100	38.08300	24.95800
05/26/19	6.75000	15.41600	16.29100	5.12500
05/27/19	5.75000	5.29100	12.00000	5.91600
05/28/19	9.79100	14.87500	27.95800	13.20800
05/29/19	12.87500	14.41600	27.33300	24.95800
05/30/19	15.95800	20.70800	27.04100	17.08300
05/31/19	13.95800	16.08300	41.25000	17.58300
06/01/19	11.20800	12.50000	16.91600	7.00000
06/02/19	10.75000	11.20800	22.79100	13.87500
06/03/19	9.08300	14.04100	14.79100	9.75000
06/04/19	13.66600	19.25000	34.62500	17.70800
06/05/19	13.25000	26.70800	38.29100	22.00000
06/06/19	11.29100	19.29100	28.79100	21.62500
06/07/19	8.37500	15.75000	17.87500	14.79100
06/08/19	15.45800	16.79100	19.25000	13.91600
06/09/19	15.83300	17.33300	24.16600	23.54100
06/10/19	11.79100	11.87500	12.66600	12.33300
06/11/19	13.62500	12.12500	14.37500	17.87500
06/12/19	24.33300	21.41600	25.50000	19.79100
06/13/19	20.54100	24.12500	27.00000	25.29100
06/14/19	17.91600	21.75000	22.37500	19.54100
06/15/19	20.12500	16.45800	20.41600	15.04100
06/16/19	14.50000	19.41600	17.58300	13.62500
06/17/19	9.75000	10.25000	15.58300	12.08300
06/18/19	38.79100	21.25000	22.58300	11.79100
06/19/19	12.29100	19.37500	28.70800	12.45800
06/20/19	11.45800	18.66600	15.62500	13.58300
06/21/19	5.70800	6.58300	5.00000	5.25000
06/22/19	10.54100	12.20800	13.29100	8.91600
06/23/19	11.33300	13.37500	13.08300	13.37500
06/24/19	13.20800	17.00000	16.95800	14.37500
06/25/19	11.04100	16.70800	15.75000	11.20800
06/26/19	9.41600	19.29100	12.79100	12.37500

Site ID	DOE-1	DOE-2	DOE-3	DOE-4
Sample Date	PM10 (µg/m^3) (CAAQS 50 µg/m^3)	PM10 (µg/m^3) (CAAQS 50 µg/m^3)	PM10 (µg/m^3) (CAAQS 50 µg/m^3)	PM10 (µg/m^3) (CAAQS 50 µg/m^3)
06/27/19	10.25000	12.16600	16.20800	16.66600
06/28/19	19.16600	20.04100	14.87500	15.87500
06/29/19	17.91600	12.16600	20.16600	13.04100
06/30/19	12.50000	13.29100	12.66600	12.87500
07/01/19	15.91600	15.41600	15.08300	15.37500
07/02/19	19.50000	23.50000	21.54100	20.33300
07/03/19	25.25000	24.83300	21.58300	27.20800
07/04/19	18.91600	28.33300	18.70800	23.41600
07/05/19	26.50000	28.45800	25.83300	35.20800
07/06/19	16.08300	22.04100	16.83300	18.66600
07/07/19	12.37500	19.95800	15.75000	15.29100
07/08/19	15.00000	16.87500	20.04100	19.58300
07/09/19	18.08300	18.79100	17.91600	20.04100
07/10/19	15.62500	14.75000	17.58300	17.00000
07/11/19	14.66600	14.79100	14.41600	15.79100
07/12/19	17.37500	17.75000	17.91600	18.54100
07/13/19	23.37500	28.62500	22.16600	22.12500
07/14/19	19.50000	16.33300	15.08300	13.33300

Note: Gray shaded boxes indicate a filter sensor pressure failure.

PM_{10} Monthly Statistics

Location ID	April 2019			May 2019			June 2019			July 2019		
	PM10			PM10			PM10			PM10		
	High	Low	95th PCTL	High	Low	95th PCTL	High	Low	95th PCTL	High	Low	95th PCTL
DOE-1	22.37500	6.25000	20.81200	20.29100	3.83300	18.70800	38.79100	5.70800	22.62660	26.50000	12.37500	25.68750
DOE-2	26.41600	7.20800	23.10400	24.87500	4.54100	20.68700	26.70800	6.58300	23.05625	28.62500	14.75000	28.51645
DOE-3	29.91600	7.83300	29.04955	41.25000	7.20800	37.82880	38.29100	5.00000	31.99970	25.83300	14.41600	23.44945
DOE-4	25.16600	7.16600	24.88475	24.95800	4.58300	24.58300	25.29100	5.25000	22.84755	35.20800	13.33300	30.00800

PCTL = percentile

APPENDIX B

Analytical Results for Ambient Air VOCs

(This page intentionally left blank)

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	78-93-3	2-Butanone (MEK)	3.9	ug/m3	2.4	------	5200	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;	730	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	75-71-8	Dichlorodifluoromethane	2.2	ug/m3	2	------	100	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	141-78-6	Ethyl acetate	1.3	ug/m3	1.1	------	73	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-1	DOE-1_042619_S-04262019	N	4/26/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	75-15-0	Carbon disulfide	6.7	ug/m3	2.5	------	730	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	75-71-8	Dichlorodifluoromethane	2.3	ug/m3	2	------	100	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-2	DOE-2_042619_S-04262019	N	4/26/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	75-15-0	Carbon disulfide	7	ug/m3	2.5	------	730	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	75-71-8	Dichlorodifluoromethane	2.2	ug/m3	2	------	100	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-3	DOE-3_042619_S-04262019	N	4/26/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;	730	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	75-71-8	Dichlorodifluoromethane	2.3	ug/m3	2	------	100	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	141-78-6	Ethyl acetate	1.1	ug/m3	1.1	------	73	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-4	DOE-4_042619_S-04262019	N	4/26/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	75-15-0	Carbon disulfide	2.9	ug/m3	2.5	------	730	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	74-87-3	Chloromethane	2	ug/m3	1.7	------	94	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	75-71-8	Dichlorodifluoromethane	2.4	ug/m3	2	------	100	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	141-78-6	Ethyl acetate	1.7	ug/m3	1.1	------	73	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U*;	210	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	79-01-6	Trichloroethene	6.8	ug/m3	2.1	------	0.48	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-1	DOE-1_051019_S-05102019	N	5/10/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;	730	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	74-87-3	Chloromethane	1.7	ug/m3	1.7	------	94	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	75-71-8	Dichlorodifluoromethane	2.5	ug/m3	2	------	100	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U*;	210	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-2	DOE-2_051019_S-05102019	N	5/10/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;	730	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	75-71-8	Dichlorodifluoromethane	2.3	ug/m3	2	------	100	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	141-78-6	Ethyl acetate	1.4	ug/m3	1.1	------	73	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-3	DOE-3_051019_S-05102019	N	5/10/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;	730	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	75-71-8	Dichlorodifluoromethane	2.3	ug/m3	2	------	100	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-4	DOE-4_051019_S-05102019	N	5/10/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U*;	730	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	75-71-8	Dichlorodifluoromethane	2.6	ug/m3	2	------	100	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-1	DOE-1_052219_S-05222019	N	5/22/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U*;	730	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	75-71-8	Dichlorodifluoromethane	2.5	ug/m3	2	------	100	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-2	DOE-2_052219_S-05222019	N	5/22/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U*;	730	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	75-71-8	Dichlorodifluoromethane	2.4	ug/m3	2	------	100	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-3	DOE-3_052219_S-05222019	N	5/22/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	78-93-3	2-Butanone (MEK)	3	ug/m3	2.4	------	5200	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	75-15-0	Carbon disulfide	2.7	ug/m3	2.5	------	730	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	75-71-8	Dichlorodifluoromethane	2.5	ug/m3	2	------	100	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	141-78-6	Ethyl acetate	6.1	ug/m3	1.1	------	73	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	109-99-9	Tetrahydrofuran	32	ug/m3	2.4	------	2100	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	108-88-3	Toluene	4.3	ug/m3	1.5	------	310	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-4	DOE-4_052219_S-05222019	N	5/22/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	75-15-0	Carbon disulfide	3.1	ug/m3	2.5	------	730	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	75-71-8	Dichlorodifluoromethane	2	ug/m3	2	------	100	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	141-78-6	Ethyl acetate	1.9	ug/m3	1.1	------	73	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-1	DOE-1_060419_S-06042019	N	6/4/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	75-15-0	Carbon disulfide	3.6	ug/m3	2.5	------	730	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	74-87-3	Chloromethane	1.7	ug/m3	1.7	------	94	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	75-71-8	Dichlorodifluoromethane	2.5	ug/m3	2	------	100	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	141-78-6	Ethyl acetate	1.2	ug/m3	1.1	------	73	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-2	DOE-2_060419_S-06042019	N	6/4/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;	730	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	74-87-3	Chloromethane	1.7	ug/m3	1.7	------	94	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	75-71-8	Dichlorodifluoromethane	2.6	ug/m3	2	------	100	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-3	DOE-3_060419_S-06042019	N	6/4/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	78-93-3	2-Butanone (MEK)	3	ug/m3	2.4	------	5200	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;	730	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	74-87-3	Chloromethane	1.8	ug/m3	1.7	------	94	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	75-71-8	Dichlorodifluoromethane	2.4	ug/m3	2	------	100	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	141-78-6	Ethyl acetate	1.4	ug/m3	1.1	------	73	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-4	DOE-4_060419_S-06042019	N	6/4/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;U	1000	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;U	0.048	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;U	5200	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;U	0.18	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;U	1.8	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;U	73	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;U	0.38	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;U	63	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;U	0.0047	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;U	83000	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;U	210	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;U	0.11	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;U	0.76	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;U	63	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;U	0.017	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;U	210	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U*;UJ	0.26	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;U	0.56	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;U	5200	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;U	31	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;U	3.1	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;U	------	-------
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;U	3100	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;U	0.021	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;U	0.041	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;U	0.097	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;U	0.057	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;U	0.076	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U*;U	2.6	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;U	5.2	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	75-15-0	Carbon disulfide	20	ug/m3	2.5	------	730	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;U	0.47	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;U	10000	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;U	0.12	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;U	94	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;U	8.3	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;U	------	-------
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;U	1000	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;U	0.13	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	75-71-8	Dichlorodifluoromethane	2.6	ug/m3	2	------	100	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;U	73	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;U	1.1	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;U	420	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;U	0.13	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;U	210	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;U	420	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;U	100	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;U	11	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;U	1	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;U	210	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;U	730	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;U	100	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;U	1000	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U*;UJ	0.083	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;U	100	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;U	420	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;U	940	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;U	0.46	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;U	2100	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;U	310	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;U	83	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;U	------	-------
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;U	0.48	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;U	1300	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;U	210	US EPA RSL
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;U	0.0095	DTSC HHRA NOTE 3
DOE-1	DOE-1_061819_S-06182019	N	6/18/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;U	100	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;U	1000	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;U	0.048	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;U	5200	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;U	0.18	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;U	1.8	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;U	73	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;U	0.38	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;U	63	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;U	0.0047	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;U	83000	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;U	210	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;U	0.11	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;U	0.76	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;U	63	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;U	0.017	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;U	210	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U*;UJ	0.26	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;U	0.56	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;U	5200	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;U	31	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;U	3.1	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;U	------	-------
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;U	3100	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;U	0.021	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;U	0.041	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;U	0.097	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;U	0.057	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;U	0.076	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U*;U	2.6	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;U	5.2	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;U	730	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;U	0.47	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;U	10000	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;U	0.12	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;U	94	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;U	8.3	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;U	------	-------

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;U	1000	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;U	0.13	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	75-71-8	Dichlorodifluoromethane	2.5	ug/m3	2	------	100	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	141-78-6	Ethyl acetate	2	ug/m3	1.1	------	73	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;U	1.1	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;U	420	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;U	0.13	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;U	210	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;U	420	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;U	100	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;U	11	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;U	1	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;U	210	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;U	730	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;U	100	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;U	1000	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U*;UJ	0.083	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;U	100	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;U	420	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;U	940	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;U	0.46	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;U	2100	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	108-88-3	Toluene	2.5	ug/m3	1.5	------	310	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;U	83	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;U	------	-------
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;U	0.48	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;U	1300	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;U	210	US EPA RSL
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;U	0.0095	DTSC HHRA NOTE 3
DOE-2	DOE-2_061819_S-06182019	N	6/18/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;U	100	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;U	1000	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;U	0.048	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;U	5200	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;U	0.18	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;U	1.8	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;U	73	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;U	0.38	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;U	63	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;U	0.0047	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;U	83000	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;U	210	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;U	0.11	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;U	0.76	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;U	63	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;U	0.017	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;U	210	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U*;UJ	0.26	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;U	0.56	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;U	5200	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;U	31	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;U	3.1	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;U	------	-------
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;U	3100	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;U	0.021	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;U	0.041	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;U	0.097	DTSC HHRA NOTE 3

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;U	0.057	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;U	0.076	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U*;U	2.6	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;U	5.2	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;U	730	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;U	0.47	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;U	10000	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;U	0.12	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;U	94	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;U	8.3	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;U	------	-------
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;U	1000	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;U	0.13	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	75-71-8	Dichlorodifluoromethane	2.7	ug/m3	2	------	100	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;U	73	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;U	1.1	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;U	420	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;U	0.13	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;U	210	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;U	420	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;U	100	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;U	11	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;U	1	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;U	210	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;U	730	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;U	100	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;U	1000	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U*;UJ	0.083	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;U	100	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;U	420	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;U	940	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;U	0.46	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;U	2100	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;U	310	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;U	83	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;U	------	-------
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;U	0.48	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;U	1300	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;U	210	US EPA RSL
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;U	0.0095	DTSC HHRA NOTE 3
DOE-3	DOE-3_061819_S-06182019	N	6/18/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;U	100	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;U	1000	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;U	0.048	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;U	5200	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;U	0.18	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;U	1.8	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;U	73	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;U	0.38	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;U	63	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;U	0.0047	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;U	83000	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;U	210	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;U	0.11	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;UJ	0.76	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;U	63	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;U	0.017	DTSC HHRA NOTE 3

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;U	210	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;UJ	0.26	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;U	0.56	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;U	5200	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;U	31	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;U	3.1	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;U	------	-------
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;U	3100	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;U	0.021	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;U	0.041	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;U	0.097	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;U	0.057	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;UJ	0.076	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U*;U	2.6	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;U	5.2	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;U	730	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;U	0.47	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;U	10000	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;U	0.12	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;U	94	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;U	8.3	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;U	------	-------
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;U	1000	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U*;U	0.13	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	75-71-8	Dichlorodifluoromethane	2.8	ug/m3	2	------	100	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	141-78-6	Ethyl acetate	1.3	ug/m3	1.1	------	73	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;U	1.1	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;U	420	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;U	0.13	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;U	210	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;U	420	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;U	100	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;U	11	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;U	1	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;U	210	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;U	730	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;U	100	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;U	1000	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U*;UJ	0.083	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;U	100	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;U	420	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;U	940	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;U	0.46	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;U	2100	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;U	310	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;U	83	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;U	------	-------
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;U	0.48	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;U	1300	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;U	210	US EPA RSL
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;U	0.0095	DTSC HHRA NOTE 3
DOE-4	DOE-4_061819_S-06182019	N	6/18/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;U	100	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	32	ug/m3	3.1	------	5200	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	75-34-3	1,1-Dichloroethane	2.4	ug/m3	1.2	------	1.8	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	75-35-4	1,1-Dichloroethene	30	ug/m3	3.2	------	73	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;	730	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	75-71-8	Dichlorodifluoromethane	3.9	ug/m3	2	------	100	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	127-18-4	Tetrachloroethene	17	ug/m3	2.7	------	0.46	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	156-60-5	trans-1,2-Dichloroethene	2.1	ug/m3	1.6	------	83	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	-------	-------
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	79-01-6	Trichloroethene	3.3	ug/m3	2.1	------	0.48	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	75-69-4	Trichlorofluoromethane	3.1	ug/m3	2.2	------	1300	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	75-01-4	Vinyl chloride	3.6	ug/m3	1	------	0.0095	DTSC HHRA NOTE 3
DOE-1	DOE-1_070319_S-07032019	N	7/3/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;	730	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	75-71-8	Dichlorodifluoromethane	2.4	ug/m3	2	------	100	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-2	DOE-2_070319_S-07032019	N	7/3/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;	730	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	75-71-8	Dichlorodifluoromethane	2.3	ug/m3	2	------	100	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-3	DOE-3_070319_S-07032019	N	7/3/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	71-55-6	1,1,1-Trichloroethane	<1.6	ug/m3	1.6	U;	1000	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	79-34-5	1,1,2,2-Tetrachloroethane	<2.7	ug/m3	2.7	U;	0.048	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	<3.1	ug/m3	3.1	U;	5200	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	79-00-5	1,1,2-Trichloroethane	<2.2	ug/m3	2.2	U;	0.18	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	75-34-3	1,1-Dichloroethane	<1.2	ug/m3	1.2	U;	1.8	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	75-35-4	1,1-Dichloroethene	<3.2	ug/m3	3.2	U;	73	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	120-82-1	1,2,4-Trichlorobenzene	<15	ug/m3	15	U;	0.38	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	95-63-6	1,2,4-Trimethylbenzene	<3.9	ug/m3	3.9	U;	63	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	106-93-4	1,2-Dibromoethane (EDB)	<6.1	ug/m3	6.1	U;	0.0047	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.8	ug/m3	2.8	U;	83000	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	95-50-1	1,2-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	107-06-2	1,2-Dichloroethane	<3.2	ug/m3	3.2	U;	0.11	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	78-87-5	1,2-Dichloropropane	<1.8	ug/m3	1.8	U;	0.76	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	108-67-8	1,3,5-Trimethylbenzene	<2	ug/m3	2	U;	63	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	106-99-0	1,3-Butadiene	<1.8	ug/m3	1.8	U;	0.017	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	541-73-1	1,3-Dichlorobenzene	<2.4	ug/m3	2.4	U;	210	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	106-46-7	1,4-Dichlorobenzene	<2.4	ug/m3	2.4	U;	0.26	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	123-91-1	1,4-Dioxane	<2.9	ug/m3	2.9	U;	0.56	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	78-93-3	2-Butanone (MEK)	<2.4	ug/m3	2.4	U;	5200	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	591-78-6	2-Hexanone	<1.6	ug/m3	1.6	U;	31	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	622-96-8	4-Ethyltoluene	<2	ug/m3	2	U;	3.1	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	99-87-6	4-Isopropyltoluene	<4.4	ug/m3	4.4	U;	------	-------
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	108-10-1	4-Methyl-2-pentanone (MIBK)	<1.6	ug/m3	1.6	U;	3100	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	107-02-8	Acrolein	<4.6	ug/m3	4.6	U;	0.021	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	107-13-1	Acrylonitrile	<4.3	ug/m3	4.3	U;	0.041	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	71-43-2	Benzene	<1.3	ug/m3	1.3	U;	0.097	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	100-44-7	Benzyl chloride	<4.1	ug/m3	4.1	U;	0.057	US EPA RSL

Location ID	Sample ID	Sample Type	Sample Date	Analytical Method	Cas Number	Analyte	Result	Units	Reporting Limit	Qualifier	Screening Level Value	SL Source
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	75-27-4	Bromodichloromethane	<2	ug/m3	2	U;	0.076	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	75-25-2	Bromoform	<4.1	ug/m3	4.1	U;	2.6	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	74-83-9	Bromomethane	<3.1	ug/m3	3.1	U;	5.2	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	75-15-0	Carbon disulfide	<2.5	ug/m3	2.5	U;	730	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	56-23-5	Carbon tetrachloride	<5	ug/m3	5	U;	0.47	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	75-00-3	Chloroethane	<2.1	ug/m3	2.1	U;	10000	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	67-66-3	Chloroform	<1.5	ug/m3	1.5	U;	0.12	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	74-87-3	Chloromethane	<1.7	ug/m3	1.7	U;	94	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	156-59-2	cis-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	8.3	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	10061-01-5	cis-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	110-82-7	Cyclohexane	<1.4	ug/m3	1.4	U;	1000	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	124-48-1	Dibromochloromethane	<3.4	ug/m3	3.4	U;	0.13	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	75-71-8	Dichlorodifluoromethane	2.2	ug/m3	2	------	100	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	141-78-6	Ethyl acetate	<1.1	ug/m3	1.1	U;	73	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	100-41-4	Ethylbenzene	<1.7	ug/m3	1.7	U;	1.1	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	142-82-5	Heptane	<3.3	ug/m3	3.3	U;	420	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	87-68-3	Hexachlorobutadiene	<21	ug/m3	21	U;	0.13	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	67-63-0	Isopropanol	<4.9	ug/m3	4.9	U;	210	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	98-82-8	Isopropylbenzene	<3.9	ug/m3	3.9	U;	420	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	179601-23-1	m,p-Xylene	<3.5	ug/m3	3.5	U;	100	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	1634-04-4	Methyl-t-Butyl Ether (MTBE)	<2.9	ug/m3	2.9	U;	11	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	75-09-2	Methylene Chloride	<1.4	ug/m3	1.4	U;	1	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	104-51-8	n-Butylbenzene	<2.2	ug/m3	2.2	U;	210	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	110-54-3	n-Hexane	<2.8	ug/m3	2.8	U;	730	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	111-65-9	n-Octane	<1.9	ug/m3	1.9	U;	100	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	103-65-1	N-Propylbenzene	<2	ug/m3	2	U;	1000	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	91-20-3	Naphthalene	<4.2	ug/m3	4.2	U;	0.083	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	95-47-6	o-Xylene	<1.7	ug/m3	1.7	U;	100	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	135-98-8	sec-Butylbenzene	<2.2	ug/m3	2.2	U;	420	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	100-42-5	Styrene	<1.7	ug/m3	1.7	U;	940	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	127-18-4	Tetrachloroethene	<2.7	ug/m3	2.7	U;	0.46	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	109-99-9	Tetrahydrofuran	<2.4	ug/m3	2.4	U;	2100	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	108-88-3	Toluene	<1.5	ug/m3	1.5	U;	310	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	156-60-5	trans-1,2-Dichloroethene	<1.6	ug/m3	1.6	U;	83	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	10061-02-6	trans-1,3-Dichloropropene	<1.8	ug/m3	1.8	U;	------	-------
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	79-01-6	Trichloroethene	<2.1	ug/m3	2.1	U;	0.48	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	75-69-4	Trichlorofluoromethane	<2.2	ug/m3	2.2	U;	1300	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	108-05-4	Vinyl acetate	<2.8	ug/m3	2.8	U;	210	US EPA RSL
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	75-01-4	Vinyl chloride	<1	ug/m3	1	U;	0.0095	DTSC HHRA NOTE 3
DOE-4	DOE-4_070319_S-07032019	N	7/3/2019	TO15	1330-20-7	Xylenes, Total	<5.2	ug/m3	5.2	U;	100	US EPA RSL

APPENDIX C

PM_{10} Monthly Audit Reports

(This page intentionally left blank)

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-1 Serial # X16067

Audit Date: 5/14/19 @ 0945 Audited By : TSW, Mifford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.4 LPM as left: 0.4 LPM

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	14.4 °C	14.5 °C	as left:	14.4 °C	14.5 °C
Barometric Pressure:	as found:	715.5 mmHg	713.5 mmHg	as left:	715.5 mmHg	713.5 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.81 lpm	as left:	16.7 lpm	16.81 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.12 lpm	as left:	14.0 lpm	14.12 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.67 lpm	as left:	17.5 lpm	17.67 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	N	as left	Y
Tape support vane clean:	as found	N	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.906	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.899			
Difference (mg/cm2) : 0.007			
% Difference / Pass or Fail: 0.77% PASS	14.3	395.9	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	0917	0917	Analog Mode	Hourly	Hourly	Flow Type	Actual	Act
Location	1	1	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5V
Tape Advance	24 hrs	24 hrs	RH Setpoint	45%	45%	Std Cond Temp	25 C	25 C
Realtime Avg	60 mins	60 min	Delta T Setpoint	15 C	15 °C	DAC	8.0 v	8.0V
Machine Type	PM-10	PM-10	RH Control	On	On	RH Connect	No	NO
Analog FS	1.0 v	1.0V	Flow Setpoint	16.7	16.7	Pump Protect	Off	OFF

Last 6 Errors in E-BAM Error Log

	Error	Date	Time		Error	Date	Time
1	No New Messages	5/14/19	1023	4			
2				5			
3				6			

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-2 Serial # 423314

Audit Date: 5/14/19 @ 1045 Audited By : TS Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.3 LPM as left: 0.3 LPM

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	15.5 °C	16.0 °C	as left:	15.5 °C	16.0 °C
Barometric Pressure:	as found:	711.6 mmHg	710.3 mmHg	as left:	711.6 mmHg	710.3 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.86 lpm	as left:	16.7 lpm	16.86 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.05 lpm	as left:	14.0 lpm	14.05 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.65 lpm	as left:	17.5 lpm	17.65 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	N	as left	Y
Tape support vane clean:	as found	N	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test		Pump Test		
Expected Span Mass (mg/cm2) :	0.914	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) :	0.917			
Difference (mg/cm2) :	0.003			
% Difference / Pass or Fail:	0.33% PASS	14.4	398.0	Good / Marginal

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1020	1020	Analog Mode	Hourly	Hourly	Flow Type	Actual	Act
Location	2	2	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5V
Tape Advance	24 hrs	24hr	RH Setpoint	45%	45%	Std Cond Temp	25 C	25.C
Realtime Avg	60 mins	60mins	Delta T Setpoint	15 C	15°C	DAC	8.0 v	8.0V
Machine Type	PM-10	PM-10	RH Control	On	ON	RH Connect	No	NO
Analog FS	1.0 v	1.0V	Flow Setpoint	16.7	16.7	Pump Protect	Off	Off

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No New Messages	5/14/19	1120	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-3 Serial # W23313

Audit Date: 5/14/19 @ 1150 Audited By : TBWilliford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.4 LPM as left: 0.4 LPM

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	21.7 °C	21.2 °C	as left:	21.7 °C	21.2 °C
Barometric Pressure:	as found:	713.0 mmHg	712.0 mmHg	as left:	713.0 mmHg	712.0 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	17.03 lpm	as left:	16.7 lpm	17.03 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.20 lpm	as left:	14.0 lpm	14.20 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.80 lpm	as left:	17.5 lpm	17.80 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	N	as left	Y
Tape support vane clean:	as found	N	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.896	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.894			
Difference (mg/cm2) : 0.002			
% Difference / Pass or Fail: 0.22% PASS	14.4	394.4	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1122	1122	Analog Mode	Hourly	Hourly	Flow Type	Actual	Act
Location	3	3	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5v
Tape Advance	24 hrs	24hr	RH Setpoint	45%	45%	Std Cond Temp	25 C	25 °C
Realtime Avg	60 mins	60min	Delta T Setpoint	15 C	15 °C	DAC	8.0 v	8.0 v
Machine Type	PM-10	PM-10	RH Control	On	on	RH Connect	No	NO
Analog FS	1.0 v	1.0V	Flow Setpoint	16.7	16.7	Pump Protect	Off	Off

Last 6 Errors in E-BAM Error Log

	Error	Date	Time		Error	Date	Time
1	No New Messages	5/14/19	1225	4			
2				5			
3				6			

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-4 Serial # W23310

Audit Date: 5/14/19 1250 Audited By : TS Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.5 LPM as left: 0.5 LPM

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	25.2 °C	24.9 °C	as left:	25.2 °C	24.9 °C
Barometric Pressure:	as found:	705.1 mmHg	703.5 mmHg	as left:	705.1 mmHg	703.5 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.79 lpm	as left:	16.7 lpm	16.79 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	13.86 lpm	as left:	14.0 lpm	13.86 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.62 lpm	as left:	17.5 lpm	17.62 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	N	as left	Y
Tape support vane clean:	as found	N	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.921	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.936			
Difference (mg/cm2) : 0.015			
% Difference / Pass or Fail: 1.6% PASS	14.1	397.5	Good / Marginal

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1235	1235	Analog Mode	Hourly	Hourly	Flow Type	Actual	ACT
Location	4	4	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5v
Tape Advance	24 hrs	24hr	RH Setpoint	45%	45%	Std Cond Temp	25 C	25°C
Realtime Avg	60 mins	60min	Delta T Setpoint	15 C	15°	DAC	8.0 v	8.0v
Machine Type	PM-10	PM-10	RH Control	On	ON	RH Connect	No	NO
Analog FS	1.0 v	1.0V	Flow Setpoint	16.7	16.7	Pump Protect	Off	Off

Last 6 Errors in E-BAM Error Log

	Error	Date	Time		Error	Date	Time
1	No New Messages	1328	5/14/19	4			
2				5			
3				6			

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-1 Serial # X 160167

Audit Date: 6/17/2019 Audited By : TS Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.4 as left: 0.4

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	20.4 °C	19.6 °C	as left:	20.4 °C	19.6 °C
Barometric Pressure:	as found:	712.5 mmHg	711.0 mmHg	as left:	712.5 mmHg	711.0 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.84 lpm	as left:	16.7 lpm	16.84 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.16 lpm	as left:	14.0 lpm	14.16 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.66 lpm	as left:	17.5 lpm	17.66 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.906	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.912			
Difference (mg/cm2) : 0.006			
% Difference / Pass or Fail: 0.66% PASS	14.0	383.1	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1259	1259	Analog Mode	Hourly	Hourly	Flow Type	Actual	Act
Location	1	1	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5V
Tape Advance	24 hrs	24 hr	RH Setpoint	45%	45%	Std Cond Temp	25 C	25°C
Realtime Avg	60 mins	60 min	Delta T Setpoint	15 C	15°C	DAC	8.0 v	8.0V
Machine Type	PM-10	PM-10	RH Control	On	On	RH Connect	No	No
Analog FS	1.0 v	1.0V	Flow Setpoint	16.7	16.7	Pump Protect	Off	off

Last 6 Errors in E-BAM Error Log

	Error	Date	Time		Error	Date	Time
1	No New Messages	6/17/19	1307	4			
2				5			
3				6			

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-2 Serial # W 23314

Audit Date: 6/17/2019 Audited By : TS Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.3 as left: 0.3

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	21.4 °C	19.6 °C	as left:	21.4 °C	19.6 °C
Barometric Pressure:	as found:	708.5 mmHg	707.0 mmHg	as left:	708.5 mmHg	707.0 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.84 lpm	as left:	16.7 lpm	16.84 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.06 lpm	as left:	14.0 lpm	14.06 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.58 lpm	as left:	17.5 lpm	17.58 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.914	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.929			
Difference (mg/cm2) : 0.015			
% Difference / Pass or Fail: 1.6% PASS	14.5	396.0	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1415	1415	Analog Mode	Hourly	Hourly	Flow Type	Actual	Act
Location	02	02	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5V
Tape Advance	24 hrs	24hr	RH Setpoint	45%	45%	Std Cond Temp	25 C	25°C
Realtime Avg	60 mins	60 mins	Delta T Setpoint	15 C	15°C	DAC	8.0 v	8.0V
Machine Type	PM-10	PM-10	RH Control	On	ON	RH Connect	No	NO
Analog FS	1.0 v	1.0v	Flow Setpoint	16.7	16.7	Pump Protect	Off	off

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No New Messages	6/17/19	1417	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-3 Serial # W23313

Audit Date: 6/17/2019 Audited By : RSW.IIc Ford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.4 as left: 0.4

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	22.6 °C	22.0 °C	as left:	22.6 °C	22.0 °C
Barometric Pressure:	as found:	710.4 mmHg	708.5 mmHg	as left:	710.4 mmHg	708.5 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	17.10 lpm	as left:	16.7 lpm	17.10 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.16 lpm	as left:	14.0 lpm	14.16 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.92 lpm	as left:	17.5 lpm	17.92 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.896	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.921			
Difference (mg/cm2) : 0.025			
% Difference / Pass or Fail: 2.75% PASS	14.3	393.1	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1500	1500	Analog Mode	Hourly	Hourly	Flow Type	Actual	Act
Location	3	3	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5v
Tape Advance	24 hrs	24hr	RH Setpoint	45%	45%	Std Cond Temp	25 C	25C
Realtime Avg	60 mins	60 min	Delta T Setpoint	15 C	15C	DAC	8.0 v	8.0V
Machine Type	PM-10	PM-10	RH Control	On	On	RH Connect	No	No
Analog FS	1.0 v	1.0V	Flow Setpoint	16.7	16.7	Pump Protect	Off	Off

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No New Messages	6/17/19	1510	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-4 Serial # 4123310

Audit Date: 6/17/2019 Audited By : TB Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.5 as left: 0.5

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	22.0 °C	21.2 °C	as left:	22.0 °C	21.2 °C
Barometric Pressure:	as found:	702.3 mmHg	700.5 mmHg	as left:	702.3 mmHg	700.5 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.85 lpm	as left:	16.7 lpm	16.85 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	13.95 lpm	as left:	14.0 lpm	13.95 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.74 lpm	as left:	17.5 lpm	17.74 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.921	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.931			
Difference (mg/cm2) : 0.010			
% Difference / Pass or Fail: 1.08% PASS	14.7	404.9	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1530	1530	Analog Mode	Hourly	Hourly	Flow Type	Actual	Act
Location	4	4	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5V
Tape Advance	24 hrs	24hr	RH Setpoint	45%	45%	Std Cond Temp	25 C	25°C
Realtime Avg	60 mins	60 min	Delta T Setpoint	15 C	15°C	DAC	8.0 v	8.0V
Machine Type	PM-10	PM-10	RH Control	On	on	RH Connect	No	NO
Analog FS	1.0 v	1.0V	Flow Setpoint	16.7	16.7	Pump Protect	Off	Off

Last 6 Errors in E-BAM Error Log

	Error	Date	Time		Error	Date	Time
1	No New Messages	6/17/19	1538	4			
2				5			
3				6			

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-1 Serial # X16067

Audit Date: 7/15/2019 Audited By : Stewart Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.4 as left: 0.4

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	30.8 °C	31.2 °C	as left:	30.8 °C	31.2 °C
Barometric Pressure:	as found:	713.4 mmHg	711.0 mmHg	as left:	713.4 mmHg	711.0 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.95 lpm	as left:	16.7 lpm	16.95 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.20 lpm	as left:	14.0 lpm	14.20 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.83 lpm	as left:	17.5 lpm	17.83 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test

Expected Span Mass (mg/cm2) : 0.906

Measured Span Mass (mg/cm2) 0.910

Difference (mg/cm2) : 0.004

% Difference / Pass or Fail: 0.44% PASS

Pump Test

Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
14.4	377.5	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1230	1230	Analog Mode	Hourly	Hourly	Flow Type	Actual	Act
Location	1	1	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5v
Tape Advance	24 hrs	24 hr	RH Setpoint	45%	45%	Std Cond Temp	25 C	25°C
Realtime Avg	60 mins	60 min	Delta T Setpoint	15 C	15°C	DAC	8.0 v	8.0 v
Machine Type	PM-10	PM-10	RH Control	On	on	RH Connect	No	NO
Analog FS	1.0 v	1.0 v	Flow Setpoint	16.7	16.7	Pump Protect	Off	Off

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No New Messages	7/15/19	1248	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-2 Serial # W23314

Audit Date: 7/15/2019 Audited By : J. S. Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.3 as left: 0.3

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	32.5 °C	31.8 °C	as left:	32.5 °C	31.8 °C
Barometric Pressure:	as found:	709.4 mmHg	708.5 mmHg	as left:	709.4 mmHg	708.5 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	16.93 lpm	as left:	16.7 lpm	16.93 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.18 lpm	as left:	14.0 lpm	14.18 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.73 lpm	as left:	17.5 lpm	17.73 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.914	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.933			
Difference (mg/cm2) : 0.019			
% Difference / Pass or Fail: 2.05% PASS	15.0	403.7	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1322	1322	Analog Mode	Hourly	Hourly	Flow Type	Actual	Act
Location	2	2	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5V
Tape Advance	24 hrs	24 hrs	RH Setpoint	45%	45%	Std Cond Temp	25 C	25°C
Realtime Avg	60 mins	60 mins	Delta T Setpoint	15 C	15°C	DAC	8.0 v	8.0V
Machine Type	PM-10	PM-10	RH Control	On	On	RH Connect	No	NO
Analog FS	1.0 v	1.0V	Flow Setpoint	16.7	16.7	Pump Protect	Off	OFF

Last 6 Errors in E-BAM Error Log

Error	Date	Time	Error	Date	Time
1 No New Messages	7/15/19	1335	4		
2			5		
3			6		

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-3 Serial # W23313

Audit Date: 7/15/2019 Audited By : Stewart Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.4 as left: 0.4

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	34.6 °C	33.8 °C	as left:	34.6 °C	33.8 °C
Barometric Pressure:	as found:	711.0 mmHg	709.5 mmHg	as left:	711.0 mmHg	709.5 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	17.10 lpm	as left:	16.7 lpm	17.10 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.15 lpm	as left:	14.0 lpm	14.15 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.88 lpm	as left:	17.5 lpm	17.88 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test	Pump Test		
Expected Span Mass (mg/cm2) : 0.896	Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
Measured Span Mass (mg/cm2) : 0.916			
Difference (mg/cm2) : 0.02			
% Difference / Pass or Fail: 2.2% PASS	14.9	400.3	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1422	1422	Analog Mode	Hourly	Hourly	Flow Type	Actual	Act
Location	3	3	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5v
Tape Advance	24 hrs	24hr	RH Setpoint	45%	45%	Std Cond Temp	25 C	25C
Realtime Avg	60 mins	60min	Delta T Setpoint	15 C	15C	DAC	8.0 v	8.0V
Machine Type	PM-10	PM-10	RH Control	On	On	RH Connect	No	NO
Analog FS	1.0 v	1.0V	Flow Setpoint	16.7	16.7	Pump Protect	Off	Off

Last 6 Errors in E-BAM Error Log

	Error	Date	Time		Error	Date	Time
1	No New Messages	7/15/19	1425	4			
2				5			
3				6			

Audit Notes:

NORTHWIND INC.

Baseline Air Monitoring Program - DOE

E-BAM Monthly Audit and Maintenance

Station # DOE-4 Serial # W23310

Audit Date: 7/15/2019 Audited By : Stewart Williford

Flow Audit

Flow Audit Device Model: BGI Delta Cal DC-1A Serial No: 158047 Calibration Date: 1/21/2019

Leak Check Value: as found: 0.5 as left: 0.5

		E-BAM	Ref. Std.		E-BAM	Ref. Std.
Ambient Temperature:	as found:	35.4 °C	34.9 °C	as left:	35.4 °C	34.9 °C
Barometric Pressure:	as found:	703.2 mmHg	701.5 mmHg	as left:	703.2 mmHg	701.5 mmHg
16.7 lpm Flow Rate	as found:	16.7 lpm	17.02 lpm	as left:	16.7 lpm	17.02 lpm
14.0 lpm Flow Rate	as found:	14.0 lpm	14.04 lpm	as left:	14.0 lpm	14.04 lpm
17.5 lpm Flow Rate	as found:	17.5 lpm	17.92 lpm	as left:	17.5 lpm	17.92 lpm

Mechanical Audits (Y = Yes N = No)

Sample nozzle clean:	as found	Y	as left	Y
Tape support vane clean:	as found	Y	as left	Y
Tape spool covers tight:	as found	Y	as left	Y
PM10 particle trap clean:	as found	Y	as left	Y
PM10 drip jar empty:	as found	Y	as left	Y
PM10 bug screen clear:	as found	Y	as left	Y

Manual Span Membrane Test

Expected Span Mass (mg/cm2) : 0.921

Measured Span Mass (mg/cm2) : 0.941

Difference (mg/cm2) : 0.02

% Difference / Pass or Fail: 2.15% PASS

Pump Test

Flow Rate 14.0 - 15.0 (lpm)	Vacuum Value (Hg)	Quality Category Good / Marginal / Poor
14.0	391.3	Good

Setup and Calibration Values

Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock	1500	1500	Analog Mode	Hourly	Hourly	Flow Type	Actual	Act
Location	4	4	Baud Rate	9600	9600	Restart Voltage	12.5 v	12.5V
Tape Advance	24 hrs	24hrs	RH Setpoint	45%	45%	Std Cond Temp	25 C	25C
Realtime Avg	60 mins	60 min	Delta T Setpoint	15 C	15C	DAC	8.0 v	8.0 V
Machine Type	PM-10	PM-10	RH Control	On	On	RH Connect	No	NO
Analog FS	1.0 v	1.0 V	Flow Setpoint	16.7	16.7	Pump Protect	Off	OFF

Last 6 Errors in E-BAM Error Log

	Error	Date	Time		Error	Date	Time
1	No new Message	7/15/19	1500	4			
2				5			
3				6			

Audit Notes: