ESHID-602791

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Date: DEC 2 1 2017
Symbol: EPC-DO: 17-560
LA-UR: LA-UR-17-31410
Locates Action No.: *N/A*

Mr. John E. Kieling
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

Subject: **Technical Area 63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 1, Los Alamos National Laboratory EPA ID #NM0890010515**

Dear Mr. Kieling:

The U.S. Department of Energy (DOE) and the Los Alamos National Security, LLC (LANS), (collectively the Permittees) are submitting this report to the New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB) in accordance with Section 3.14.3 of the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit (the Permit). The Permit requires that a soil vapor monitoring system be sampled and evaluated for the LANL Technical Area (TA)-63 Transuranic Waste Facility (TWF) on a quarterly basis after operations at the facility commence. This report provides analytical data for the period following the start of operations on October 11, 2017. The sampling results indicate that vapor concentrations at the site do not exceed the soil gas screening levels established by the Permit.

The enclosure to this report includes a summary, a figure of the facility with the soil vapor monitoring well locations, a summary table of detected volatile organic compounds for the wells, a table of analytical results and well preparation logs. The figure is from the Permit (Figure 56) and was revised as part of a permit modification request submittal on March 11, 2016 for construction updates for the TWF. Table 1 is a summary of the analytical results and includes detected constituents, detection limits, the appropriate soil gas screening levels from Permit Tables 3.14.3.1-3 and a percentage comparison of the detected levels with the screening levels. Table 2 is a listing of the complete analytical results for the sampling event. A

compact disc with copies of this submittal and the analytical data in Excel format is also included to facilitate review by NMED of the monitoring results.

If you have questions or comments concerning this submittal, please contact Karen E. Armijo of the DOE at (505) 665-7314 or Mark P. Haagenstad, LANS, at (505) 665-2014.

Sincerely,

Taunia S. Van Valkenburg
Group Leader

Sincerely,

Karen E. Armijo
Permitting and Compliance Program Manager

TVV/KEA/GAB:am

Enclosure(s):
1) TA-63 Transuranic Waste Facility Soil Vapor Monitoring System Report, Quarter 1, Los Alamos National Laboratory

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The enclosure to this report includes a summary, a figure of the facility with the soil vapor monitoring well locations, a summary table of detected volatile organic compounds for the wells, a table of analytical results and well preparation logs. The figure is from the Permit (Figure 56) and was revised as part of a permit modification request submittal on March 11, 2016 for construction updates for the TWF. Table 1 is a summary of the analytical results and includes detected constituents, detection limits, the appropriate soil gas screening levels from Permit Tables 3.14.3.1-3 and a percentage comparison of the detected levels with the screening levels. Table 2 is a listing of the complete analytical results for the sampling event. A

ENCLOSURE 1

TA-63 Transuranic Waste Facility
Soil Vapor Monitoring System Report
Quarter 1
Los Alamos National Laboratory

EPC-DO-17-560

LAUR-17-31410

Date: DEC 2 1 2017

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TA-63 TRANSURANIC WASTE FACILITY
SOIL VAPOR MONITORING SYSTEM REPORT
QUARTER 1
LOS ALAMOS NATIONAL LABORATORY

I. Introduction

This report describes the first quarterly sampling of a soil vapor monitoring system for the Technical Area (TA)-63 Transuranic Waste Facility (TWF) at Los Alamos National Laboratory (LANL). Construction of the TWF was approved by the New Mexico Environment Department-Hazardous Waste Bureau (NMED-HWB) as a modification to the LANL Hazardous Waste Facility Permit (Permit) on December 23, 2013. The LANL Permit is issued to the United States Department of Energy (DOE), the owner and co-operator of LANL, and Los Alamos National Security, LLC (LANS), the co-operator of LANL (collectively described as the Permittees). The Permit contains conditions for hazardous waste management activities at LANL necessary to protect human health and the environment. These include requirements for monitoring subsurface vapors to prevent worker exposure to potentially harmful levels of volatile organic compounds (VOCs) at the TWF (Permit Section 3.14.3 and Attachment A.6.10). The monitoring network was constructed to meet the Permit conditions and sampling and analysis for the first quarter of waste management operations has established that soil vapor concentrations at the site do not exceed the soil vapor screening levels established by the Permit.

II. TWF Soil Vapor Monitoring Wells

The TWF is located south-east of the TA-50 Material Disposal Area C, Solid Waste Management Unit 50-009, (MDA-C) at LANL. MDA-C is a site of past waste disposal activities and is the primary source near the TWF for potential soil vapor intrusion. Site investigation indicates that the boundary of a soil vapor plume from MDA-C extends to a position under the northwest section of the TWF site. In response to the Permit conditions, the Permittees installed a subsurface vapor monitoring network consisting of five vapor monitoring wells in or near the TWF facility as specified in Permit Section A.6.10. Two of the monitoring wells are located close to the building foundations adjacent to the unit boundary facing MDA-C and the utility corridor on Puye Road as depicted by locations VMW-1 and VMW-2 in Figure 56 of Attachment N, *Figures*, of the Permit (see Figure 1 of this submittal). A third monitoring well within the permitted unit is located at a point on the western edge of the unit close to the utility corridor on Pajarito Road, as depicted by location VMW-3 on Figure 56. The sampling ports for these wells are located at a 5 foot nominal depth. Two monitoring wells are located between MDA-C and Puye Road, as depicted by locations VMW-4 and VMW-5 on Figure 56. The sampling ports for both these wells are located at 25 and 60 feet.

III. Soil Vapor Sampling

Sampling procedures and VOC analyses of the obtained samples were performed and scheduled in compliance with the conditions contained in the Permit. Sampling of the wells was completed on October 31, 2017. Analytical results for the sample were compared to the soil gas screening levels (SGSLs) in Section 3.14.3 of the Permit.

The sampling of the new vapor-monitoring wells was performed using the same procedures as the ongoing vapor monitoring conducted at MDA-C. Sampling was performed by extracting formation air through the sand layer and into the stainless steel tubing of the wells. Samples were collected from all sampling ports. All samples for VOC analysis were collected in SUMMA canisters and submitted for laboratory analysis of VOCs using U.S. Environmental Protection Agency (EPA) Method TO-15. The samples were analyzed for the constituents identified in Tables 3.14.3.1, 3.14.3.2 and 3.14.3.3 in the Permit. There were no variances in the sampling procedures from the Permit requirements.

IV. Sampling Results

Analytical results for this sampling event are presented in Table 2 and summarized for relevant VOCs above detection limits in Table 1. While analyses of the samples indicated some positive results for trichloroethene (TCE) and other VOCs, none of the concentrations exceed the relevant SGSLs contained in Permit Tables 3.14.3.1 through 3. Table 1 lists the detected VOCs and includes the calculated percentage of the SGSL as an indicator of the relative concentrations.

TCE concentrations were detected in all of the five monitoring well locations. The VMW-4 and VMW-5 locations contain the highest concentrations at 8.7% and 1.4% of the SGSL respectively. These are the sites closest to MDA-C and are not located within the permitted storage unit site at TA-63. The three monitoring wells sited in the permitted unit (VMW-1, VMW-2 and VMW-3) have detected concentrations of TCE of less than 1% of the SGSL. TCE is the highest concentration VOC detected in this sample event and in previous MDA-C investigations.

Additional VOCs included in the soil gas monitoring screening level tables in the Permit were detected in the soil vapor monitoring wells. The well locations within the boundary of the TWF permitted unit (VMW-1, VMW-2 and VMW-3) indicated additional detections of listed VOCs but the concentrations were less than 0.1% of the SGSLs. The well locations north of Puye Road (VMW-4 and VMW-5) also detected additional VOCs matching the constituents of concern in the Permit and the results are included in Table 1. None of the additional detections at these two locations exceeded 1% of the SGSLs listed in the Permit.

The TA-63 TWF soil vapor monitoring wells were originally installed in August 2015. Baseline soil vapor monitoring samples were taken in September 2015 and the results submitted to NMED in the *TA-63 Transuranic Waste Facility Soil Vapor Monitoring System Report*, (ENV-DO-15-0305) of October 29, 2015. The sampling results reported herein for the first quarter of

operations at TWF are consistent with the previous baseline results and do not appear to indicate additional contaminant concerns pending further quarterly analyses subject to the Permit.

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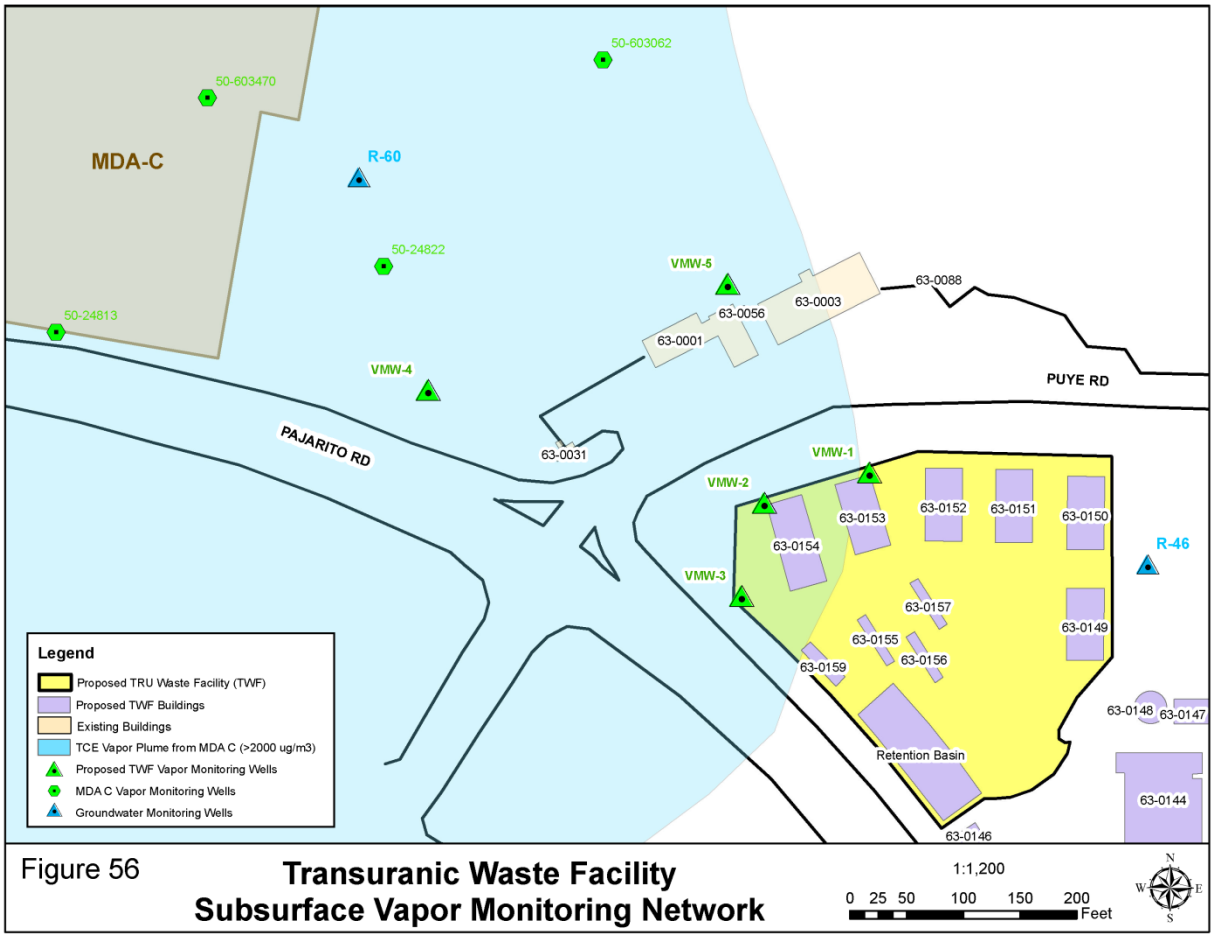

Figure 1

Soil Vapor Monitoring Well Locations at TA-63 TWF

(Source: Los Alamos National Laboratory Hazardous Waste Facility Permit, November, 2010, Figure 56 [as revised by *Notification of Class 1 Permit Modification Construction Updates for the Technical Area 63 Transuranic Waste Facility Container Storage Unit, Los Alamos National Laboratory Hazardous Waste Facility Permit, EPA ID # NM0890010515*, March 11, 2016, EPC-DO-16-055])

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Table 1 Detected volatile organic compounds
at TA-63 Transuranic Waste Facility – Quarter 1

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Table 1 Detected volatile organic compounds
at TA-63 Transuranic Waste Facility Soil Vapor Monitoring System– Quarter 1

Well	Sample ID	Sample Port Depth (ft)	Analyte/Constituent	Listing in Permit Tables	Result (ug/m3)	EPA Data Qualifier	Report Detection Limit (ug/m3)	Soil-Gas Screening Level (ug/m3)	Percentage Of SGSL (%)
VMW-1 63-2009	MD54-18-148582	5	Toluene	Toluene	12.4	J	35.4	4.70E+7	<0.1
			Tetrachloroethene	Tetrachloroethylene	11.5	J	63.7	4.08E+5	<0.1
			Dichloroethene[cis-1,2-]	Cis-1,2-Dichloroethylene	11.5	J	37.2	5.85E+5	<0.1
			Acetone	Acetone	16.1	J	90.2	2.73E+8	<0.1
			Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	142		51.3	4.86E+7	<0.1
			Dichloroethane[1,1-]	1,1-Dichloroethane	33.6	J	38.0	1.73E+5	<0.1
			Dichloroethene[1.1-]	1,1-Dichloroethylene	10.3	J	37.3	1.86E+6	<0.1
			Dichlorodifluoromethane	Dichlorodifluoromethane	6.9	J	46.5	1.03E+6	<0.1
			Trichloroethene	Trichloroethylene	64.4		50.5	1.94E+4	0.3
VMW-2 63-2010	MD54-18-148583	5	Dichlorodifluoromethane	Dichlorodifluoromethane	7.9	J	48.9	1.03E+6	<0.1
			Trichloroethene	Trichloroethylene	134		53.2	1.94E+4	0.7
VMW-3 63-2011	MD54-18-148584	5	Toluene	Toluene	8.3	J	37.7	4.70E+7	<0.1
			Trichloroethene	Trichloroethylene	69.8		53.7	1.94E+4	0.4
VMW-4 63-2012	MD54-18-148585	25	Tetrachloroethene	Tetrachloroethylene	49.5	J	67.8	2.63E+6	<0.1
			Carbon tetrachloride	Carbon tetrachloride	49.7	J	62.9	1.06E+5	<0.1
			Chloroform	Chloroform	112		48.8	2.30E+4	0.5
			Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	7.1	J	54.5	1.16E+8	<0.1
			Dichlorodifluoromethane	Dichlorodifluoromethane	84.0		49.4	2.61E+6	<0.1
			Trichloro-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	17.6	J	76.6	6.86E+8	<0.1
			Trichloroethene	Trichloroethylene	3810		53.7	1.57E+5	2.4
VMW-4 63-2012	MD54-18-148586	60	Toluene	Toluene	7.6	J	33.1	2.14E+8	<0.1
			Tetrachloroethene	Tetrachloroethylene	81.3		59.6	2.05E+6	<0.1
			Dichloroethene[cis-1,2-]	Cis-1,2-Dichloroethylene	16.6	J	34.9	2.91E+6	<0.1
			Carbon tetrachloride	Carbon tetrachloride	94.3		55.3	2.13E+5	<0.1
			Acetone	Acetone	16.1	J	83.0	1.02E+9	<0.1
			Chloroform	Chloroform	190		42.9	4.44E+4	0.4
			Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	13.1	J	48.0	2.34E+8	<0.1
			Trichlorofluoromethane	Trichlorofluoromethane	6.2	J	49.4	3.01E+7	<0.1
			Dichlorodifluoromethane	Dichlorodifluoromethane	143		43.5	5.38E+6	<0.1

Table 1 Detected volatile organic compounds
at TA-63 Transuranic Waste Facility Soil Vapor Monitoring System– Quarter 1

Well	Sample ID	Sample Port Depth (ft)	Analyte/Constituent	Listing in Permit Tables	Result (ug/m3)	EPA Data Qualifier	Report Detection Limit (ug/m3)	Soil-Gas Screening Level (ug/m3)	Percentage Of SGSL (%)
			Trichlor-1,2,2-trifluoroethane[1,1,2-]	1,1,2-Trichloro-1,2,2-trifluoroethane	25.3	J	67.4	1.38E+9	<0.1
			Trichloroethene	Trichloroethylene	8060		47.3	9.27E+4	8.7
VMW-5 63-2013	MDA54-18-148587	25	Tetrachloroethene	Tetrachloroethylene	6.8	J	74.6	2.63E+6	<0.1
			Chloroform	Chloroform	35.6	J	53.7	2.30E+4	0.2
			Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	30.5	J	60.0	1.16E+8	<0.1
			Dichlorodifluoromethane	Dichlorodifluoromethane	59.3		54.4	2.61E+6	<0.1
			Trichloroethene	Trichloroethylene	483		59.1	1.57E+5	0.3
VMW-5 63-2013	MDA54-18-148588	60	Toluene	Toluene	10.5	J	32.4	2.14E+8	<0.1
			Tetrachloroethene	Tetrachloroethylene	16.9	J	58.3	2.05E+6	<0.1
			Carbon tetrachloride	Carbon tetrachloride	13.2	J	54.1	2.13E+5	<0.1
			Acetone	Acetone	26.1	J	80.7	1.02E+9	<0.1
			Chloroform	Chloroform	15.6	J	42.0	4.44E+4	<0.1
			Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	44.7	J	46.9	2.34E+8	<0.1
			Dichlorodifluoromethane	Dichlorodifluoromethane	64.2		42.5	5.38E+6	<0.1
			Trichloroethene	Trichloroethylene	1340		46.2	9.27E+4	1.4
VMW-5 63-2013	MDA54-18-148589 Field Duplicate	25	Tetrachloroethene	Tetrachloroethylene	8.8	J	74.6	2.63E+6	<0.1
			Chloroform	Chloroform	30.7	J	53.7	2.30E+4	0.1
			Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	32.7	J	60.0	1.16E+8	<0.1
			Dichlorodifluoromethane	Dichlorodifluoromethane	59.3		54.4	2.61E+6	<0.1
			Trichloroethene	Trichloroethylene	451		59.1	1.57E+5	0.3
VMW-5 63-2013	MDA54-18-148590 Field Blank		Dichloroethene[cis-1,2-]	Cis-1,2-dichloethylene	19.8	J	75.3	2.91E+6	<0.1
			Trichloroethane[1,1,1-]	1,1,1-Trichloroethane	81.8	J	103.6	2.34E+8	<0.1
			Dichloroethane[1,1-]	1,1-Dichloroethane	24.3	J	76.9	8.56E+5	<0.1
			Trichlorethene	Trichloroethylene	59.1	J	102.0	9.27E+4	<0.1
EPA Data Qualifier “J” indicates analytes that are detected but results are estimated as less than the report detection limit.									

Table 2. Analytical Results for Soil Vapor Monitoring Wells
at TA-63 Transuranic Waste Facility – Quarter 1

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TA-63 Transuranic Waste Facility Soil Vapor Monitoring System
Sampling and Analysis - Quarter 1

Sampling Plan/Program Name	Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Sample Matrix	Sample Purpose	Sample Type	Sample Time	Latitude (Decimal)	Longitude (Decimal)	Filtered	Field Sample Comments	Lab Matrix	COC #	Lab Method	Method Detection Limit	Report Detection Limit
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Ethylbenzene	40.7926	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.7	40.7926
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Styrene	40.0164	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.73	40.0164
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Benzyl Chloride	48.6345	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.75	48.6345
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichloropropene[cis-1,3-]	42.6368	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.3	42.6368
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichloropropene[trans-1,3-]	42.6368	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.0	42.6368
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Propylbenzene[1-]	46.1793	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.96	46.1793
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichlorobenzene[1,4-]	56.4841	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.60	56.4841
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dibromoethane[1,2-]	72.1794	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.77	72.1794
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Butadiene[1,3-]	20.783	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	2.0	20.783
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Chloro-1-propene[3-]	118.853	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	7.2	118.853
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichloroethane[1,2-]	38.0223	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.3	38.0223
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Methyl-2-pentanone[4-]	38.4834	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.1	38.4834
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Trimethylbenzene[1,3,5-]	46.1793	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.68	46.1793
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Toluene	12.4281	ug/m3	J	Y	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.1	35.4012
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Chlorobenzene	43.2477	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.2	43.2477
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Tetrahydrofuran	27.7061	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.1	27.7061
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Hexane	33.112	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	2.0	33.112
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Cyclohexane	32.3359	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.8	32.3359
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Trichlorobenzene[1,2,4-]	281.833	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	3.2	281.833
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dioxane[1,4-]	136.855	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	2.8	136.855
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Chlorodibromomethane	80.0252	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.3	80.0252
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Tetrachloroethene	11.5229	ug/m3	J	Y	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.85	63.7151
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	n-Heptane	38.4988	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.2	38.4988
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichloroethene[cis-1,2-]	11.4909	ug/m3	J	Y	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.6	37.2462
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichloroethene[trans-1,2-]	37.2462	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	2.6	37.2462
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Methyl tert-Butyl Ether	33.8689	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.6	33.8689
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Isooctane	43.8894	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.1	43.8894
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichlorobenzene[1,3-]	56.4841	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.2	56.4841
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Carbon Tetrachloride	59.1006	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.4	59.1006
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Hexanone[2-]	155.571	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	3.7	155.571
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Ethyltoluene[4-]	46.1793	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.70	46.1793
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Ethanol	33.8955	ug/m3	J	Y	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	6.0	71.5572
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Propanol[2-]	93.349	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	4.1	93.349
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Acetone	16.1431	ug/m3	J	Y	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	4.9	90.2114
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Chloroform	45.8681	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.5	45.8681
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Benzene	30.0114	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.3	30.0114
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Trichloroethane[1,1,1-]	141.769	ug/m3		Y	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.0	51.2549
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Bromomethane	147.463	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	3.9	147.463
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Chloromethane	78.4224	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	6.2	78.4224
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Chloroethane	100.199	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	7.8	100.199
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Vinyl Chloride	24.0129	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.8	24.0129
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Methylene Chloride	131.916	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	5.5	131.916
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Carbon Disulfide	118.261	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	4.7	118.261
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Bromoform	97.1038	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.79	97.1038
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Bromodichloromethane	62.9351	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.60	62.9351
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichloroethane[1,1-]	33.5729	ug/m3	J	Y	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.1	38.0223
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichloroethene[1,1-]	10.3021	ug/m3	J	Y	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.1	37.2462
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Trichlorofluoromethane	52.7802	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.90	52.7802
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichlorodifluoromethane	6.91897	ug/m3	J	Y	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.3	46.456
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Trichloro-1,2,2-trifluoroethane[1,1,2-]	71.9935	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.4	71.9935
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	65.6708	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.5	65.6708
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichloropropane[1,2-]	43.4129	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.4	43.4129
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Butanone[2-]	112.003	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	6.5	112.003
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Trichloroethane[1,1,2-]	51.2549	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.2	51.2549
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Trichloroethene	64.4458	ug/m3		Y	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.4	50.4826
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Tetrachloroethane[1,1,2,2-]	64.4912	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.4	64.4912
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Hexachlorobutadiene	405.02	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	3.7	405.02
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Xylene[1,2-]	40.7887	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.6	40.7887
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Dichlorobenzene[1,2-]	56.4841	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.86	56.4841
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Trimethylbenzene[1,2,4-]	46.1793	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.77	46.1793
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Isopropylbenzene	46.1793	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	0.70	46.1793
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148582	63-2009	10/31/2017	Xylene[1,3-]+Xylene[1,4-]	40.7887	ug/m3	U	N	GAS	REG	GAS	11:36	35.859856	-106.29462	N		GAS	2018-661	EPA:TO15	1.2	40.7887
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Ethylbenzene	42.9624	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.8	42.9624
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Styrene	42.145	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.77	42.145
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Benzyl Chloride	51.2214	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.79	51.2214
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichloropropene[cis-1,3-]	44.9047	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.4	44.9047
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichloropropene[trans-1,3-]	44.9047	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.0	44.9047
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Propylbenzene[1-]	48.6357	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.0	48.6357
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichlorobenzene[1,4-]	59.4886	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.63	59.4886
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dibromoethane[1,2-]	76.0188	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.81	76.0188
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Butadiene[1,3-]	21.8885	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	2.0	21.8885
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Chloro-1-propene[3-]	125.108	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	7.6	125.108
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichloroethane[1,2-]	40.0448	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.4	40.0448
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Methyl-2-pentanone[4-]	40.5304	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.1	40.5304
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Trimethylbenzene[1,3,5-]	48.6357	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.71	48.6357
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Toluene	37.2843	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.2	37.2843
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Chlorobenzene	45.5481	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.2	45.5481
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Tetrahydrofuran	29.1798	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.2	29.1798
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Hexane	34.8733	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	2.1	34.8733
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Cyclohexane	34.0559	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.9	34.0559
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Trichlorobenzene[1,2,4-]	296.666	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	3.3	296.666
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dioxane[1,4-]	144.058	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	3.0	144.058
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Chlorodibromomethane	84.2819	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.4	84.2819
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Tetrachloroethene	67.1042	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.89	67.1042
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	n-Heptane	40.5466	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.3	40.5466
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichloroethene[cis-1,2-]	39.2274	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.7	39.2274
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichloroethene[trans-1,2-]	39.2274	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	2.7	39.2274

TA-63 Transuranic Waste Facility Soil Vapor Monitoring System
Sampling and Analysis - Quarter 1

Sampling Plan/Program Name	Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Sample Matrix	Sample Purpose	Sample Type	Sample Time	Latitude (Decimal)	Longitude (Decimal)	Filtered	Field Sample Comments	Lab Matrix	COC #	Lab Method	Method Detection Limit	Report Detection Limit
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Methyl tert-Butyl Ether	35.6705	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.7	35.6705
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Isooctane	46.2239	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.2	46.2239
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichlorobenzene[1,3-]	59.4886	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.3	59.4886
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Carbon Tetrachloride	62.2443	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.5	62.2443
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Hexanone[2-]	163.759	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	3.9	163.759
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Ethyltoluene[4-]	48.6357	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.73	48.6357
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Ethanol	75.3233	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	6.4	75.3233
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Propanol[2-]	98.2621	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	4.4	98.2621
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Acetone	94.9594	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	5.1	94.9594
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Chloroform	48.3079	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.5	48.3079
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Benzene	31.6077	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.4	31.6077
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Trichloroethane[1,1,1-]	53.9812	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.1	53.9812
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Bromomethane	155.225	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	4.1	155.225
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Chloromethane	82.5499	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	6.5	82.5499
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Chloroethane	105.472	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	8.2	105.472
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Vinyl Chloride	25.2902	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.9	25.2902
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Methylene Chloride	138.859	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	5.8	138.859
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Carbon Disulfide	124.485	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	4.9	124.485
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Bromoform	102.269	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.83	102.269
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Bromodichloromethane	66.2827	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.63	66.2827
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichloroethane[1,1-]	40.0448	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.1	40.0448
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichloroethene[1,1-]	39.2274	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.2	39.2274
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Trichlorofluoromethane	55.5877	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.95	55.5877
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichlorodifluoromethane	7.9074	ug/m3	J	Y	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.4	48.927
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Trichloro-1,2,2-trifluoroethane[1,1,2-]	75.8229	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.5	75.8229
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	69.1639	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.6	69.1639
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichloropropane[1,2-]	45.7221	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.5	45.7221
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Butanone[2-]	117.898	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	6.9	117.898
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Trichloroethane[1,1,2-]	53.9812	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.3	53.9812
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Trichloroethene	134.262	ug/m3		Y	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.4	53.1678
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Tetrachloroethane[1,1,2,2-]	67.9216	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.4	67.9216
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Hexachlorobutadiene	426.336	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	3.9	426.336
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Xylene[1,2-]	42.9583	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.7	42.9583
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Dichlorobenzene[1,2-]	59.4886	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.91	59.4886
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Trimethylbenzene[1,2,4-]	48.6357	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.81	48.6357
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Isopropylbenzene	48.6357	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	0.73	48.6357
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148583	63-2010	10/31/2017	Xylene[1,3-]+Xylene[1,4-]	42.9583	ug/m3	U	N	GAS	REG	GAS	09:59	35.859764	-106.294975	N		GAS	2018-661	EPA:TO15	1.2	42.9583
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Ethylbenzene	43.3963	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.8	43.3963
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Styrene	42.5707	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.80	42.5707
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Benzyl Chloride	51.7388	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.82	51.7388
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichloropropene[cis-1,3-]	45.3583	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.4	45.3583
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichloropropene[trans-1,3-]	45.3583	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.1	45.3583
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Propylbenzene[1-]	49.1269	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.0	49.1269
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichlorobenzene[1,4-]	60.0895	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.66	60.0895
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dibromoethane[1,2-]	76.7866	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.84	76.7866
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Butadiene[1,3-]	22.1096	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	2.1	22.1096
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Chloro-1-propene[3-]	128.236	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	7.9	128.236
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichloroethane[1,2-]	40.4493	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.4	40.4493
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Methyl-2-pentanone[4-]	40.9398	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.2	40.9398
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Trimethylbenzene[1,3,5-]	49.1269	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.74	49.1269
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Toluene	8.2854	ug/m3	J	Y	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.2	37.6609
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Chlorobenzene	46.0082	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.3	46.0082
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Tetrahydrofuran	29.4745	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.2	29.4745
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Hexane	35.2256	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	2.2	35.2256
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Cyclohexane	34.3999	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	2.0	34.3999
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Trichlorobenzene[1,2,4-]	304.083	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	3.5	304.083
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dioxane[1,4-]	147.659	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	3.1	147.659
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Chlorodibromomethane	85.1332	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.4	85.1332
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Tetrachloroethene	67.782	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.92	67.782
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	n-Heptane	40.9561	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.3	40.9561
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichloroethene[cis-1,2-]	39.6236	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.7	39.6236
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichloroethene[trans-1,2-]	39.6236	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	2.8	39.6236
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Methyl tert-Butyl Ether	36.0308	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.8	36.0308
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Isooctane	46.6908	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.2	46.6908
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichlorobenzene[1,3-]	60.0895	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.4	60.0895
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Carbon Tetrachloride	62.873	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.5	62.873
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Hexanone[2-]	167.853	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	4.0	167.853
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Ethyltoluene[4-]	49.1269	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.76	49.1269
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Ethanol	20.7139	ug/m3	J	Y	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	6.6	77.2064
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Propanol[2-]	100.719	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	4.5	100.719
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Acetone	97.3334	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	5.3	97.3334
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Chloroform	48.7959	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.6	48.7959
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Benzene	31.927	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.4	31.927
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Trichloroethane[1,1,1-]	54.5264	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.1	54.5264
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Bromomethane	159.105	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	4.2	159.105
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Chloromethane	84.6137	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	6.8	84.6137
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Chloroethane	108.109	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	8.5	108.109
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Vinyl Chloride	25.5457	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	2.0	25.5457
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Methylene Chloride	142.33	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	6.0	142.33
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Carbon Disulfide	127.598	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	5.1	127.598
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Bromoform	103.302	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.86	103.302
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Bromodichloromethane	66.9523	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.66	66.9523
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichloroethane[1,1-]	40.4493	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.2	40.4493
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichloroethene[1,1-]	39.6236	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.2	39.6236
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Trichlorofluoromethane	56.1492	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.98	56.1492
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichlorodifluoromethane	49.4212	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.4	49.4212
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Trichloro-1,2,2-trifluoroethane[1,1,2-]	76.5888	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.5	76.5888

TA-63 Transuranic Waste Facility Soil Vapor Monitoring System
Sampling and Analysis - Quarter 1

Sampling Plan/Program Name	Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Sample Matrix	Sample Purpose	Sample Type	Sample Time	Latitude (Decimal)	Longitude (Decimal)	Filtered	Field Sample Comments	Lab Matrix	COC #	Lab Method	Method Detection Limit	Report Detection Limit
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	69.8625	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.6	69.8625
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichloropropane[1,2-]	46.184	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.6	46.184
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Butanone[2-]	120.846	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	7.1	120.846
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Trichloroethane[1,1,2-]	54.5264	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.3	54.5264
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Trichloroethene	69.8163	ug/m3		Y	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.5	53.7049
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Tetrachloroethane[1,1,2,2-]	68.6077	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.5	68.6077
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Hexachlorobutadiene	436.995	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	4.0	436.995
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Xylene[1,2-]	43.3923	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.8	43.3923
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Dichlorobenzene[1,2-]	60.0895	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.94	60.0895
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Trimethylbenzene[1,2,4-]	49.1269	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.84	49.1269
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Isopropylbenzene	49.1269	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	0.76	49.1269
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148584	63-2011	10/31/2017	Xylene[1,3-]+Xylene[1,4-]	43.3923	ug/m3	U	N	GAS	REG	GAS	09:34	35.85956	-106.295044	N		GAS	2018-661	EPA:TO15	1.3	43.3923
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Ethylbenzene	43.3963	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.8	43.3963
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Styrene	42.5707	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.79	42.5707
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Benzyl Chloride	51.7388	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.81	51.7388
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichloropropene[cis-1,3-]	45.3583	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.4	45.3583
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichloropropene[trans-1,3-]	45.3583	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.1	45.3583
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Propylbenzene[1-]	49.1269	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.0	49.1269
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichlorobenzene[1,4-]	60.0895	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.65	60.0895
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dibromoethane[1,2-]	76.7866	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.83	76.7866
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Butadiene[1,3-]	22.1096	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	2.1	22.1096
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Chloro-1-propene[3-]	128.236	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	7.8	128.236
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichloroethane[1,2-]	40.4493	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.4	40.4493
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Methyl-2-pentanone[4-]	40.9398	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	40.9398
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Trimethylbenzene[1,3,5-]	49.1269	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.73	49.1269
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Toluene	37.6609	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	37.6609
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Chlorobenzene	46.0082	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	46.0082
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Tetrahydrofuran	29.4745	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	29.4745
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Hexane	35.2256	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	2.1	35.2256
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Cyclohexane	34.3999	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.9	34.3999
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Trichlorobenzene[1,2,4-]	304.083	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	3.4	304.083
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dioxane[1,4-]	147.659	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	3.1	147.659
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Chlorodibromomethane	85.1332	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.4	85.1332
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Tetrachloroethene	49.4809	ug/m3	J	Y	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.91	67.782
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	n-Heptane	40.9561	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.3	40.9561
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichloroethene[cis-1,2-]	39.6236	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.7	39.6236
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichloroethene[trans-1,2-]	39.6236	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	2.8	39.6236
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Methyl tert-Butyl Ether	36.0308	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.7	36.0308
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Isooctane	46.6908	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	46.6908
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichlorobenzene[1,3-]	60.0895	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.3	60.0895
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Carbon Tetrachloride	49.6697	ug/m3	J	Y	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.5	62.873
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Hexanone[2-]	167.853	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	4.0	167.853
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Ethyltoluene[4-]	49.1269	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.75	49.1269
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Ethanol	77.2064	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	6.5	77.2064
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Propanol[2-]	100.719	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	4.5	100.719
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Acetone	97.3334	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	5.2	97.3334
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Chloroform	112.23	ug/m3		Y	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.6	48.7959
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Benzene	31.927	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.4	31.927
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Trichloroethane[1,1,1-]	7.08844	ug/m3	J	Y	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.1	54.5264
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Bromomethane	159.105	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	4.2	159.105
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Chloromethane	84.6137	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	6.7	84.6137
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Chloroethane	108.109	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	8.4	108.109
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Vinyl Chloride	25.5457	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.9	25.5457
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Methylene Chloride	142.33	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	5.9	142.33
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Carbon Disulfide	127.598	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	5.0	127.598
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Bromoform	103.302	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.85	103.302
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Bromodichloromethane	66.9523	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.65	66.9523
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichloroethane[1,1-]	40.4493	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	40.4493
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichloroethene[1,1-]	39.6236	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	39.6236
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Trichlorofluoromethane	56.1492	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.97	56.1492
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichlorodifluoromethane	84.0161	ug/m3		Y	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.4	49.4212
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Trichloro-1,2,2-trifluoroethane[1,1,2-]	17.6154	ug/m3	J	Y	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.5	76.5888
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	69.8625	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.6	69.8625
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichloropropane[1,2-]	46.184	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.5	46.184
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Butanone[2-]	120.846	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	7.0	120.846
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Trichloroethane[1,1,2-]	54.5264	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.3	54.5264
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Trichloroethene	3813.05	ug/m3		Y	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.5	53.7049
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Tetrachloroethane[1,1,2,2-]	68.6077	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.5	68.6077
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Hexachlorobutadiene	436.995	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	4.0	436.995
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Xylene[1,2-]	43.3923	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.8	43.3923
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Dichlorobenzene[1,2-]	60.0895	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.93	60.0895
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Trimethylbenzene[1,2,4-]	49.1269	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.83	49.1269
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Isopropylbenzene	49.1269	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.75	49.1269
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148585	63-2012	10/31/2017	Xylene[1,3-]+Xylene[1,4-]	43.3923	ug/m3	U	N	GAS	REG	GAS	12:20	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	43.3923
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Ethylbenzene	38.1888	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.6	38.1888
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Styrene	37.4622	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.69	37.4622
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Benzyl Chloride	45.5302	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.71	45.5302
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichloropropene[cis-1,3-]	39.9153	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	39.9153
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichloropropene[trans-1,3-]	39.9153	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.94	39.9153
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Propylbenzene[1-]	43.2317	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.90	43.2317
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichlorobenzene[1,4-]	52.8787	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.57	52.8787
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dibromoethane[1,2-]	67.5723	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.72	67.5723
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Butadiene[1,3-]	19.4565	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.8	19.4565
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Chloro-1-propene[3-]	109.47	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	6.8	109.47
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichloroethane[1,2-]	35.5954	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	35.5954
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Methyl-2-pentanone[4-]	36.027	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.0	36.027
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Trimethylbenzene[1,3,5-]	43.2317	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.64	43.2317

TA-63 Transuranic Waste Facility Soil Vapor Monitoring System
Sampling and Analysis - Quarter 1

Sampling Plan/Program Name	Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Sample Matrix	Sample Purpose	Sample Type	Sample Time	Latitude (Decimal)	Longitude (Decimal)	Filtered	Field Sample Comments	Lab Matrix	COC #	Lab Method	Method Detection Limit	Report Detection Limit
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Toluene	7.53218	ug/m3	J	Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.0	33.1416
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Chlorobenzene	40.4872	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.1	40.4872
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Tetrahydrofuran	25.9376	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.0	25.9376
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Hexane	200.786	ug/m3		Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.8	30.9985
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Cyclohexane	30.2719	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.7	30.2719
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Trichlorobenzene[1,2,4-]	259.583	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	3.0	259.583
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dioxane[1,4-]	126.051	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	2.7	126.051
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Chlorodibromomethane	74.9172	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	74.9172
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Tetrachloroethene	81.3384	ug/m3		Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.80	59.6482
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	n-Heptane	9.82948	ug/m3	J	Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	36.0414
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichloroethene[cis-1,2-]	16.6419	ug/m3	J	Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.5	34.8688
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichloroethene[trans-1,2-]	34.8688	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	2.4	34.8688
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Methyl tert-Butyl Ether	31.7071	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.5	31.7071
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Isooctane	41.0879	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.1	41.0879
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichlorobenzene[1,3-]	52.8787	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	52.8787
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Carbon Tetrachloride	94.3095	ug/m3		Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.3	55.3282
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Hexanone[2-]	143.289	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	3.4	143.289
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Ethyltoluene[4-]	43.2317	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.65	43.2317
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Ethanol	35.7786	ug/m3	J	Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	5.7	65.9079
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Propanol[2-]	85.9793	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	3.9	85.9793
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Acetone	16.1431	ug/m3	J	Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	4.6	83.0895
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Chloroform	190.304	ug/m3		Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.4	42.9404
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Benzene	28.0958	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	28.0958
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Trichloroethane[1,1,1-]	13.0863	ug/m3	J	Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.97	47.9833
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Bromomethane	135.822	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	3.6	135.822
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Chloromethane	72.2312	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	5.8	72.2312
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Chloroethane	92.2883	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	7.3	92.2883
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Vinyl Chloride	22.4802	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.7	22.4802
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Methylene Chloride	121.501	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	5.2	121.501
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Carbon Disulfide	108.925	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	4.4	108.925
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Bromoform	90.9056	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.74	90.9056
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Bromodichloromethane	58.918	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.57	58.918
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichloroethane[1,1-]	35.5954	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.0	35.5954
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichloroethene[1,1-]	34.8688	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.1	34.8688
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Trichlorofluoromethane	6.17641	ug/m3	J	Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.85	49.4113
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichlorodifluoromethane	143.322	ug/m3		Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	43.4907
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Trichloro-1,2,2-trifluoroethane[1,1,2-]	25.2743	ug/m3	J	Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.3	67.3982
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	61.479	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.4	61.479
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichloropropane[1,2-]	40.6419	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.3	40.6419
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Butanone[2-]	103.161	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	6.1	103.161
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Trichloroethane[1,1,2-]	47.9833	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.2	47.9833
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Trichloroethene	8055.73	ug/m3		Y	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.3	47.2603
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Tetrachloroethane[1,1,2,2-]	60.3748	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.3	60.3748
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Xylene[1,2-]	38.1852	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.5	38.1852
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Dichlorobenzene[1,2-]	52.8787	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.81	52.8787
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Trimethylbenzene[1,2,4-]	43.2317	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.72	43.2317
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Isopropylbenzene	43.2317	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	0.65	43.2317
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148586	63-2012	10/31/2017	Xylene[1,3-]+Xylene[1,4-]	38.1852	ug/m3	U	N	GAS	REG	GAS	12:35	35.860065	-106.2959	N		GAS	2018-661	EPA:TO15	1.1	38.1852
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Ethylbenzene	47.736	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.0	47.736
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Styrene	46.8278	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.86	46.8278
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Benzyl Chloride	56.9127	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.88	56.9127
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichloropropene[cis-1,3-]	49.8942	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	49.8942
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichloropropene[trans-1,3-]	49.8942	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	49.8942
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Propylbenzene[1-]	54.0396	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.1	54.0396
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichlorobenzene[1,4-]	66.0984	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.70	66.0984
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dibromoethane[1,2-]	84.4653	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.90	84.4653
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Butadiene[1,3-]	24.3206	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.3	24.3206
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Chloro-1-propene[3-]	137.619	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	8.5	137.619
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichloroethane[1,2-]	44.4942	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	44.4942
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Methyl-2-pentanone[4-]	45.0338	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	45.0338
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Trimethylbenzene[1,3,5-]	54.0396	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.79	54.0396
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Toluene	41.427	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	41.427
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Chlorobenzene	50.609	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	50.609
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Tetrahydrofuran	32.422	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	32.422
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Hexane	38.7481	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.3	38.7481
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Cyclohexane	37.8399	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.1	37.8399
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Trichlorobenzene[1,2,4-]	326.333	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.7	326.333
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dioxane[1,4-]	158.464	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.3	158.464
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Chlorodibromomethane	93.6465	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	93.6465
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Tetrachloroethene	6.7782	ug/m3	J	Y	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.99	74.5602
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	n-Heptane	45.0518	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	45.0518
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichloroethene[cis-1,2-]	43.586	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.8	43.586
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichloroethene[trans-1,2-]	43.586	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.0	43.586
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Methyl tert-Butyl Ether	39.6339	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.9	39.6339
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Isooctane	51.3599	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	51.3599
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichlorobenzene[1,3-]	66.0984	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	66.0984
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Carbon Tetrachloride	69.1603	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	69.1603
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Hexanone[2-]	180.135	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.3	180.135
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Ethyltoluene[4-]	54.0396	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.81	54.0396
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Ethanol	82.8557	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	7.1	82.8557
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Propanol[2-]	108.088	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.8	108.088
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Acetone	104.455	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	5.7	104.455
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Chloroform	35.621	ug/m3	J	Y	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.7	53.6754
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Benzene	35.1197	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	35.1197
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Trichloroethane[1,1,1-]	30.5348	ug/m3	J	Y	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	59.9791
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Bromomethane	170.747	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.5	170.747

TA-63 Transuranic Waste Facility Soil Vapor Monitoring System
Sampling and Analysis - Quarter 1

Sampling Plan/Program Name	Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Sample Matrix	Sample Purpose	Sample Type	Sample Time	Latitude (Decimal)	Longitude (Decimal)	Filtered	Field Sample Comments	Lab Matrix	COC #	Lab Method	Method Detection Limit	Report Detection Limit
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Chloromethane	90.8049	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	7.3	90.8049
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Chloroethane	116.02	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	9.1	116.02
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Vinyl Chloride	28.1003	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.1	28.1003
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Methylene Chloride	152.744	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	6.4	152.744
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Carbon Disulfide	136.934	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	5.5	136.934
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Bromoform	113.632	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.92	113.632
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Bromodichloromethane	73.6475	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.70	73.6475
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichloroethane[1,1-]	44.4942	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	44.4942
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichloroethene[1,1-]	43.586	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	43.586
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Trichlorofluoromethane	61.7641	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.0	61.7641
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichlorodifluoromethane	59.3055	ug/m3		Y	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	54.3634
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Trichloro-1,2,2-trifluoroethane[1,1,2-]	84.2477	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	84.2477
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	76.8488	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.8	76.8488
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichloropropane[1,2-]	50.8024	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.7	50.8024
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Butanone[2-]	129.688	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	7.6	129.688
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Trichloroethane[1,1,2-]	59.9791	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	59.9791
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Trichloroethene	483.344	ug/m3		Y	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	59.0754
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Tetrachloroethane[1,1,2,2-]	75.4685	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	75.4685
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Hexachlorobutadiene	468.97	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.3	468.97
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Xylene[1,2-]	47.7315	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.9	47.7315
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Dichlorobenzene[1,2-]	66.0984	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.0	66.0984
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Trimethylbenzene[1,2,4-]	54.0396	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.90	54.0396
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Isopropylbenzene	54.0396	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.81	54.0396
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148587	63-2013	10/31/2017	Xylene[1,3-]+Xylene[1,4-]	47.7315	ug/m3	U	N	GAS	REG	GAS	13:06	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	47.7315
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Ethylbenzene	37.3209	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	37.3209
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Styrene	36.6108	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.67	36.6108
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Benzyl Chloride	44.4954	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.69	44.4954
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichloropropene[cis-1,3-]	39.0082	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	39.0082
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichloropropene[trans-1,3-]	39.0082	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.91	39.0082
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Propylbenzene[1-]	42.2492	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.88	42.2492
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichlorobenzene[1,4-]	51.6769	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.55	51.6769
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dibromoethane[1,2-]	66.0365	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.70	66.0365
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Butadiene[1,3-]	19.0143	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.8	19.0143
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Chloro-1-propene[3-]	106.342	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	6.6	106.342
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichloroethane[1,2-]	34.7864	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	34.7864
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Methyl-2-pentanone[4-]	35.2082	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.98	35.2082
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Trimethylbenzene[1,3,5-]	42.2492	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.62	42.2492
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Toluene	10.545	ug/m3	J	Y	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.0	32.3884
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Chlorobenzene	39.5671	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.1	39.5671
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Tetrahydrofuran	25.3481	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.0	25.3481
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Hexane	30.294	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.8	30.294
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Cyclohexane	29.5839	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	29.5839
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Trichlorobenzene[1,2,4-]	252.166	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.9	252.166
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dioxane[1,4-]	122.449	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.6	122.449
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Chlorodibromomethane	73.2146	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	73.2146
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Tetrachloroethene	16.9455	ug/m3	J	Y	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.77	58.2925
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	n-Heptane	35.2223	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.1	35.2223
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichloroethene[cis-1,2-]	34.0763	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	34.0763
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichloroethene[trans-1,2-]	34.0763	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.4	34.0763
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Methyl tert-Butyl Ether	30.9865	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	30.9865
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Isooctane	40.1541	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.0	40.1541
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichlorobenzene[1,3-]	51.6769	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.1	51.6769
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Carbon Tetrachloride	13.2033	ug/m3	J	Y	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	54.0708
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Hexanone[2-]	139.195	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.4	139.195
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Ethyltoluene[4-]	42.2492	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.64	42.2492
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Ethanol	30.1293	ug/m3	J	Y	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	5.5	64.0248
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Propanol[2-]	83.5227	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.8	83.5227
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Acetone	26.1138	ug/m3	J	Y	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.4	80.7155
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Chloroform	15.6147	ug/m3	J	Y	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	41.9644
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Benzene	27.4572	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	27.4572
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Trichloroethane[1,1,1-]	44.7117	ug/m3	J	Y	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.95	46.8927
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Bromomethane	131.941	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.5	131.941
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Chloromethane	30.9562	ug/m3	J	Y	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	5.7	70.1674
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Chloroethane	89.6515	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	7.1	89.6515
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Vinyl Chloride	21.9693	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	21.9693
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Methylene Chloride	118.03	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	5.0	118.03
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Carbon Disulfide	105.813	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.3	105.813
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Bromoform	88.8396	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.72	88.8396
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Bromodichloromethane	57.579	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.55	57.579
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichloroethane[1,1-]	34.7864	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.0	34.7864
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichloroethene[1,1-]	34.0763	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.0	34.0763
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Trichlorofluoromethane	48.2883	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.82	48.2883
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichlorodifluoromethane	64.2476	ug/m3		Y	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	42.5023
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Trichloro-1,2,2-trifluoroethane[1,1,2-]	65.8664	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	65.8664
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	60.0818	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	60.0818
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichloropropane[1,2-]	39.7182	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	39.7182
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Butanone[2-]	100.213	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	6.0	100.213
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Trichloroethane[1,1,2-]	46.8927	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.1	46.8927
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Trichloroethene	1342.62	ug/m3		Y	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	46.1862
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Tetrachloroethane[1,1,2,2-]	59.0026	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	59.0026
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Hexachlorobutadiene	362.386	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.4	362.386
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Xylene[1,2-]	37.3173	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	37.3173
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Dichlorobenzene[1,2-]	51.6769	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.79	51.6769
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Trimethylbenzene[1,2,4-]	42.2492	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.70	42.2492
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Isopropylbenzene	42.2492	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.64	42.2492
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148588	63-2013	10/31/2017	Xylene[1,3-]+Xylene[1,4-]	37.3173	ug/m3	U	N	GAS	REG	GAS	13:22	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.1	37.3173
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Ethylbenzene	47.736	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.0	47.736

TA-63 Transuranic Waste Facility Soil Vapor Monitoring System
Sampling and Analysis - Quarter 1

Sampling Plan/Program Name	Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Sample Matrix	Sample Purpose	Sample Type	Sample Time	Latitude (Decimal)	Longitude (Decimal)	Filtered	Field Sample Comments	Lab Matrix	COC #	Lab Method	Method Detection Limit	Report Detection Limit
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Styrene	46.8278	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.86	46.8278
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Benzyl Chloride	56.9127	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.88	56.9127
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichloropropene[cis-1,3-]	49.8942	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	49.8942
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichloropropene[trans-1,3-]	49.8942	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	49.8942
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Propylbenzene[1-]	54.0396	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.1	54.0396
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichlorobenzene[1,4-]	66.0984	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.71	66.0984
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dibromoethane[1,2-]	84.4653	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.91	84.4653
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Butadiene[1,3-]	24.3206	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.3	24.3206
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Chloro-1-propene[3-]	137.619	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	8.5	137.619
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichloroethane[1,2-]	44.4942	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	44.4942
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Methyl-2-pentanone[4-]	45.0338	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	45.0338
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Trimethylbenzene[1,3,5-]	54.0396	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.80	54.0396
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Toluene	41.427	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	41.427
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Chlorobenzene	50.609	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	50.609
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Tetrahydrofuran	32.422	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	32.422
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Hexane	38.7481	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.3	38.7481
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Cyclohexane	37.8399	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.1	37.8399
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Trichlorobenzene[1,2,4-]	326.333	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.7	326.333
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dioxane[1,4-]	158.464	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.4	158.464
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Chlorodibromomethane	93.6465	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	93.6465
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Tetrachloroethene	8.81166	ug/m3	J	Y	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.99	74.5602
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	n-Heptane	45.0518	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	45.0518
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichloroethene[cis-1,2-]	43.586	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.8	43.586
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichloroethene[trans-1,2-]	43.586	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.0	43.586
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Methyl tert-Butyl Ether	39.6339	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.9	39.6339
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Isooctane	51.3599	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	51.3599
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichlorobenzene[1,3-]	66.0984	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	66.0984
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Carbon Tetrachloride	69.1603	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	69.1603
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Hexanone[2-]	180.135	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.3	180.135
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Ethyltoluene[4-]	54.0396	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.82	54.0396
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Ethanol	82.8557	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	7.1	82.8557
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Propanol[2-]	108.088	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.9	108.088
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Acetone	104.455	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	5.7	104.455
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Chloroform	30.7414	ug/m3	J	Y	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.7	53.6754
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Benzene	35.1197	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	35.1197
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Trichloroethane[1,1,1-]	32.7159	ug/m3	J	Y	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	59.9791
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Bromomethane	170.747	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.6	170.747
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Chloromethane	90.8049	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	7.3	90.8049
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Chloroethane	116.02	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	9.2	116.02
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Vinyl Chloride	28.1003	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.1	28.1003
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Methylene Chloride	152.744	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	6.5	152.744
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Carbon Disulfide	136.934	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	5.5	136.934
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Bromoform	113.632	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.93	113.632
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Bromodichloromethane	73.6475	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.71	73.6475
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichloroethane[1,1-]	44.4942	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	44.4942
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichloroethene[1,1-]	43.586	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.3	43.586
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Trichlorofluoromethane	61.7641	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.1	61.7641
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichlorodifluoromethane	59.3055	ug/m3		Y	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	54.3634
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Trichloro-1,2,2-trifluoroethane[1,1,2-]	84.2477	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	84.2477
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	76.8488	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.8	76.8488
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichloropropane[1,2-]	50.8024	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.7	50.8024
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Butanone[2-]	129.688	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	7.7	129.688
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Trichloroethane[1,1,2-]	59.9791	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	59.9791
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Trichloroethene	451.121	ug/m3		Y	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	59.0754
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Tetrachloroethane[1,1,2,2-]	75.4685	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	75.4685
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Hexachlorobutadiene	468.97	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.3	468.97
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Xylene[1,2-]	47.7315	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.9	47.7315
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Dichlorobenzene[1,2-]	66.0984	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.0	66.0984
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Trimethylbenzene[1,2,4-]	54.0396	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.91	54.0396
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Isopropylbenzene	54.0396	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	0.82	54.0396
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148589	63-2013	10/31/2017	Xylene[1,3-]+Xylene[1,4-]	47.7315	ug/m3	U	N	GAS	FD	GAS	13:07	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	47.7315
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Ethylbenzene	82.4531	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.4	82.4531
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Styrene	80.8843	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	80.8843
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Benzyl Chloride	98.3037	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.5	98.3037
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichloropropene[cis-1,3-]	86.1808	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.6	86.1808
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichloropropene[trans-1,3-]	86.1808	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.0	86.1808
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Propylbenzene[1-]	93.3412	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.0	93.3412
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichlorobenzene[1,4-]	114.17	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	114.17
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dibromoethane[1,2-]	145.895	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	145.895
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Butadiene[1,3-]	42.0083	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.0	42.0083
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Chloro-1-propene[3-]	240.834	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	15	240.834
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichloroethane[1,2-]	76.8537	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.7	76.8537
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Methyl-2-pentanone[4-]	77.7856	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.2	77.7856
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Trimethylbenzene[1,3,5-]	93.3412	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	93.3412
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Toluene	71.5557	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.3	71.5557
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Chlorobenzene	87.4156	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.4	87.4156
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Tetrahydrofuran	56.0016	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.3	56.0016
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Hexane	66.9286	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	4.0	66.9286
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Cyclohexane	65.3598	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.7	65.3598
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Trichlorobenzene[1,2,4-]	571.083	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	6.5	571.083
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dioxane[1,4-]	277.311	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	5.8	277.311
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Chlorodibromomethane	161.753	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.7	161.753
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Tetrachloroethene	128.786	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.7	128.786
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	n-Heptane	77.8167	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.5	77.8167
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichloroethene[cis-1,2-]	19.8118	ug/m3	J	Y	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.2	75.2849
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichloroethene[trans-1,2-]	75.2849	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	5.3	75.2849
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Methyl tert-Butyl Ether	68.4585	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.3	68.4585

TA-63 Transuranic Waste Facility Soil Vapor Monitoring System
Sampling and Analysis - Quarter 1

Sampling Plan/Program Name	Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Sample Matrix	Sample Purpose	Sample Type	Sample Time	Latitude (Decimal)	Longitude (Decimal)	Filtered	Field Sample Comments	Lab Matrix	COC #	Lab Method	Method Detection Limit	Report Detection Limit
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Isooctane	88.7126	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.3	88.7126
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichlorobenzene[1,3-]	114.17	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.5	114.17
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Carbon Tetrachloride	119.459	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.9	119.459
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Hexanone[2-]	315.236	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	7.5	315.236
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Ethyltoluene[4-]	93.3412	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	93.3412
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Ethanol	144.997	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	12	144.997
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Propanol[2-]	189.154	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	8.5	189.154
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Acetone	182.797	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	10	182.797
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Chloroform	92.7121	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.0	92.7121
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Benzene	60.6613	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.6	60.6613
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Trichloroethane[1,1,1-]	81.7897	ug/m3	J	Y	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.1	103.6
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Bromomethane	298.807	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	7.9	298.807
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Chloromethane	158.909	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	13	158.909
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Chloroethane	203.034	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	16	203.034
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Vinyl Chloride	48.5368	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.7	48.5368
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Methylene Chloride	267.303	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	11	267.303
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Carbon Disulfide	239.634	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	9.6	239.634
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Bromoform	196.274	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	196.274
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Bromodichloromethane	127.209	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.2	127.209
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichloroethane[1,1-]	24.2696	ug/m3	J	Y	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.2	76.8537
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichloroethene[1,1-]	75.2849	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.3	75.2849
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Trichlorofluoromethane	106.683	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.8	106.683
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichlorodifluoromethane	93.9004	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.6	93.9004
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Trichloro-1,2,2-trifluoroethane[1,1,2-]	145.519	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.9	145.519
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	132.739	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.1	132.739
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichloropropane[1,2-]	87.7496	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.9	87.7496
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Butanone[2-]	226.954	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	13	226.954
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Trichloroethane[1,1,2-]	103.6	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.5	103.6
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Trichloroethene	59.0754	ug/m3	J	Y	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.8	102.039
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Tetrachloroethane[1,1,2,2-]	130.355	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.8	130.355
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Hexachlorobutadiene	820.698	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	7.5	820.698
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Xylene[1,2-]	82.4453	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	3.3	82.4453
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Dichlorobenzene[1,2-]	114.17	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.8	114.17
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Trimethylbenzene[1,2,4-]	93.3412	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.6	93.3412
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Isopropylbenzene	93.3412	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	1.4	93.3412
1st Qtr FY2018, 54-009, TWF, Poregas Sampling and Analysis	MD54-18-148590	63-2013	10/31/2017	Xylene[1,3-]+Xylene[1,4-]	82.4453	ug/m3	U	N	GAS	FB	GAS	14:00	35.86025	-106.29515	N		GAS	2018-661	EPA:TO15	2.4	82.4453

Lab Qualifier: U = The analyte was analyzed for but not detected above the reported estimated quantitation limit. J = The analyte was positively identified, the associated numerical value is the approximate concentration of the analyte in the sample but lower than the Report Detection Limit.

Well Purge Forms
at TA-63 Transuranic Waste Facility – Quarter 1

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Purge/Screening Using MultiRAE IR Multigas Monitor

Borehole ID 63-2009 MultiRae No 4255 Sampler: M. Shendo and K. Tow

Sampling Date 10/31/17 Static Pressure of Port (KpA): -0.025 Reviewed by: _____ Date _____

Purge Flow Rate (slpm): 1.8 Time Required to purge sample train at nominal flow rate (Section 4.1, Step 2) Default to 10 mins.

Port #	Depth (ft bgs)	Screening Time	CH_4 %	CO_2 ppm	O_2%	VOC (ppm)	Comments
1	7	1134 ~~0957~~ KT 10/31/17	0	6500	19.1	0.0	Ambient Air: CH_4%= 0, CO_2(ppm)= 0, O_2 20.9, VOC (ppm) 0 Start Port Purge = ~~0947~~ 1124 KT 10/31/17
1	7	1135 ~~0958~~ KT 10/31/17	0	6500	19.1	0.0	
1	7	1136 ~~0959~~ KT 10/31/17	0	6570	19.1	0.0	
							Summa # = N1819
							Sample ID # = MD54-18-148582
							Total Purge (SL) = 22.72
							Vac pressure of Summa Canister (psi) = Start = -18 End = 0

Purge/Screening Using MultiRAE IR Multigas Monitor

Borehole ID 63-2010 MultiRae No 4255 Sampler: M. Shendo and K. Tow

Sampling Date 10/31/17 Static Pressure of Port (KpA): -0.032 Reviewed by: _____ Date _____

Purge Flow Rate (slpm): 1.9 Time Required to purge sample train at nominal flow rate (Section 4.1, Step 2) Default to 10 mins.

Port #	Depth (ft bgs)	Screening Time	CH_4 %	CO_2 ppm	O_2%	VOC (ppm)	Comments
1	7	0957	0	4300	20.0	0.0	Ambient Air: CH_4%= 0, CO_2(ppm)= 0, O_2 20.9, VOC (ppm) 0 Start Port Purge = 0947
1	7	0958	0	4250	20.0	0.0	
1	7	0959	0	4250	20.0	0.0	
							Summa # = N2763
							Sample ID # = MD54-18-148583
							Total Purge (SL) = 24.90
							Vac pressure of Summa Canister (psi) = Start = -20 End = 0

Purge/Screening Using MultiRAE IR Multigas Monitor

Borehole ID 63-2011 MultiRae No 4255 Sampler: M. Shendo and K. Tow

Sampling Date 10/31/17 Static Pressure of Port (KpA): 0.00 Reviewed by: _____ Date _____

Purge Flow Rate (slpm): 1.9 Time Required to purge sample train at nominal flow rate (Section 4.1, Step 2) Default to 10 mins.

Port #	Depth (ft bgs)	Screening Time	CH_4 %	CO_2 ppm	O_2%	VOC (ppm)	Comments
1	7	0932	0	3690	20.1	0.0	Ambient Air: CH_4%= 0, CO_2(ppm)= 0, O_2 20.9, VOC (ppm) 0 Start Port Purge = 0922
1	7	0933	0	3650	20.1	0.0	
1	7	0934	0	3650	20.2	0.0	
							Summa # = 96101
							Sample ID # = MD54-18-~~148583~~ KT 10/31/17 148584
							Total Purge (SL) = 21.63
							Vac pressure of Summa Canister (psi) = start = -18 End = -1

Purge/Screening Using MultiRAE IR Multigas Monitor

Borehole ID 63-2012 MultiRae No 4255 Sampler: M. Shendo and K. Tow

Sampling Date 10/31/17 Static Pressure of Port (KpA): -0.111 Reviewed by: _____ Date _____

Purge Flow Rate (slpm): 2.0 Time Required to purge sample train at nominal flow rate (Section 4.1, Step 2) Default to 10 mins.

Port #	Depth (ft bgs)	Screening Time	CH_4 %	CO_2 ppm	O_2%	VOC (ppm)	Comments
1	24.5	1218	0	8400	19.5	0.3	Ambient Air: CH_4%= 0, CO_2(ppm)= 0, O_2 20.9, VOC (ppm) 0 Start Port Purge = 1208
1	24.5	1219	0	8400	19.5	0.4	
1	24.5	1220	0	8480	19.5	0.4	
							Summa # = N0415
							Sample ID # = MD54-18-148585
							Total Purge (SL) = 26.42
							Vac pressure of Summa Canister (psi) = Start = -20 End = -1

Purge/Screening Using MultiRAE IR Multigas Monitor

Borehole ID 63-2012 MultiRae No 4255 Sampler: M. Shendo and K. Tow

Sampling Date 10/31/17 Static Pressure of Port (KpA): -0.178 Reviewed by: _____ Date _____

Purge Flow Rate (slpm): 2.0 Time Required to purge sample train at nominal flow rate (Section 4.1, Step 2) Default to 10 mins.

Port #	Depth (ft bgs)	Screening Time	CH_4 %	CO_2 ppm	O_2%	VOC (ppm)	Comments
2	59.5	1233	0	9440	19.5	1.9	Ambient Air: CH_4%= 0, CO_2(ppm)= 10, O_2 20.9, VOC (ppm) 0 Start Port Purge = 1223
2	59.5	1234	0	9520	19.5	2.0	
2	59.5	1235	0	9520	19.5	2.0	
							Summa # = 00457
							Sample ID # = MD54-18-148586
							Total Purge (SL) = 23.86
							Vac pressure of Summa Canister (psi) = Start = -18 End = -1

Purge/Screening Using MultiRAE IR Multigas Monitor

Borehole ID 63-2013 MultiRae No 4255 Sampler: M. Shendo and K. Tow

Sampling Date 10/31/17 Static Pressure of Port (KpA): -0.105 Reviewed by: _____ Date _____

Purge Flow Rate (slpm): 2.0 Time Required to purge sample train at nominal flow rate (Section 4.1, Step 2) Default to 10 mins.

Port #	Depth (ft bgs)	Screening Time	CH_4 %	CO_2 ppm	O_2%	VOC (ppm)	Comments
1	24.5	1304	0	1.98 % 19,800	17.8	0.0	Ambient Air: CH_4%= 0, CO_2(ppm)= 0, O_2 20.9, VOC (ppm) 0 Start Port Purge = 1254
1	24.5	1305	0	2.00 % 20,000	17.8	0.0	
1	24.5	1306	0	2.00 % 20,000	17.8	0.0	
							Summa # = N2743 FD 13676
							Sample ID # = MD54-18-148587 FD# MD54-18-148589
							Total Purge (SL) = 23.80
							Vac pressure of Summa Canister (psi) = Start = -20 / -20 (FD) End = 0 / 0 (FD)

Purge/Screening Using MultiRAE IR Multigas Monitor

Borehole ID 63-2013 MultiRae No 4255 Sampler: M. Shendo and K. Tow

Sampling Date 10/31/17 Static Pressure of Port (KpA): -0.239 Reviewed by: _____ Date _____

Purge Flow Rate (slpm): 2.0 Time Required to purge sample train at nominal flow rate (Section 4.1, Step 2) Default to 10 mins.

Port #	Depth (ft bgs)	Screening Time	CH_4 %	CO_2 ppm	O_2%	VOC (ppm)	Comments
2	59.5	1320	0	1.28% 12,800	19.1	0.0	Ambient Air: CH_4%= 0, CO_2(ppm)= 50, O_2 20.9, VOC (ppm) 0 Start Port Purge = 1310
2	59.5	1321	0	1.27% 12,700	19.0	0.0	
2	59.5	1322	0	1.27% 12,700	19.0	0.0	
							Summa # = 00415 FB N2792
							Sample ID # = MD54-18-148588 FB MD54-18-148590
							Total Purge (SL) = 23.16
							Vac pressure of Summa Canister (psi) = Start= -17 / -18 FB End= 0 / -6 FB

CERTIFICATION

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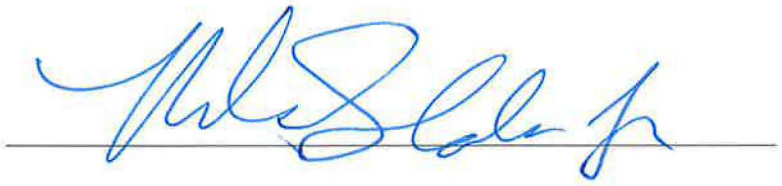
CERTIFICATION

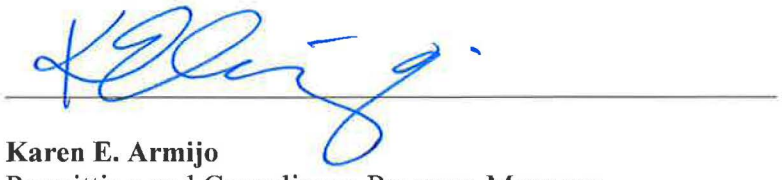
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



12/20/2017

Taunia S. Van Valkenberg
Group Leader
Compliance Protection Group
Environmental Protection Division
Los Alamos National Laboratory

Date Signed



20 Dec 2017

Karen E. Armijo
Permitting and Compliance Program Manager
Los Alamos Site Office
National Nuclear Security Administration
U.S. Department of Energy

Date Signed

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