ExxonMobil **Environmental Services Company** 1001 Wampanoag Trail Riverside, Rhode Island 02915



ExonMobil

April 22, 2008 2009

Mr. Chad Staniszewski New York State Department of **Environmental Conservation** 270 Michigan Avenue Buffalo, NY 14203

RE: EXXON MOBIL OIL CORPORATION FORMER BUFFALO TERMINAL **625 ELK STREET BUFFALO, NEW YORK BROWNFIELD SITE #C915201 OPERABLE UNITS 2 & 3** SOIL VAPOR SAMPLING REPORT

Dear Mr. Doster:

Attached please find the "Soil Vapor Sampling Report" dated January 30, 2009 for Operable Units 2 and 3 for the above referenced site. The report includes a work plan for additional sampling.

If there are any questions please call me at (401) 434-7356.

Sincerely,

J.A. Abel Project Manager

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Cc: Mr. Cameron O'Connor - NYSDOH Buffalo **Buckeye Terminals LLC** One Babcock Terminal

January 30, 2009

SOIL VAPOR SAMPLING REPORT

ExxonMobil Former Buffalo Terminal Buffalo, New York

Prepared for

EXXONMOBIL OIL CORPORATION 1001 Wampanoag Trail Riverside, Rhode Island 02915

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

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1.0 INTRODUCTION

Roux Associates, Inc. (Roux Associates), on behalf of ExxonMobil Oil Corporation (ExxonMobil), has prepared the following description of soil vapor sampling results and scope of work for additional soil vapor sampling within Operable Units 2 and 3 (OU-2 and OU-3) of the ExxonMobil former Buffalo Terminal, Buffalo, New York (Site; Figure 1). The soil vapor sampling described in this report was completed in October and November 2008 in accordance with:

- the Soil Vapor Sampling Plan dated April 21, 2008 (Plan);
- the letter dated June 16, 2008 entitled "Response to NYSDEC Draft Comments Dated May 28, 2008 Regarding Soil Vapor Sampling Plan dated April 21, 20098 (Site # C915201)"; and
- the letter dated August 11, 2008, entitled "Response to NYSDEC/NYSDOH Emailed Comments Dated July 22, 2008 Regarding Soil Vapor Sampling Plan dated April 21, 2008 (Site # C915201)"

The soil vapor sampling results (summary tables and analytical reports) were forwarded to the NYSDEC in a letter dated December 5, 2008. This report includes an evaluation of the data and proposes additional sampling.

OU-2 is located south of Elk Street and north of Prenatt Street and OU-3 is located south of Prenatt Street and north of the Buffalo River, as shown in Figure 2. The results of previous subsurface investigations within OU-2 and OU-3 were described in the Plan and will not be reiterated here.

The soil vapor sampling and analysis of the potential for soil vapor intrusion completed per the Plan in October and November 2008, coupled with the further sampling recommended in this report, will address the following three goals:

- Evaluation of existing occupied buildings onsite;
- Evaluation of site property boundaries; and
- Evaluation of the potential for vapor generation from areas of separate-phase product.

The results described herein relate to four buildings associated with the former petroleum refinery and/or active petroleum storage and distribution operation that are currently occupied within the limits of OU-2 and OU-3. These are:

- the Buckeye Terminals, LLC (Buckeye) warehouse/garage/main terminal office in the Administrative Offices and Operations Area (AOOA) in OU-2 (identified on Figure 2 as Building 152 Main Office [Former Mechanical Shops]);
- the building identified on Figure 2 as Building 153 Store House in the AOOA in OU-2;
- the garages in the Babcock Street Properties Area (BSPA) in OU-2 (identified on Figure 2 as Building 140 One Babcock Street Tenants (One Babcock) [former Lakes Division Garage]); and
- the One Babcock Street offices and warehouse (identified on Figure 2 as Building 135 One Babcock Street Offices [former Barrel House]), located within the BSPA in OU-3.

Vehicles and equipment are stored and maintained in the garages in all buildings with the exception of Building 135 and activities include the use of petroleum products. In addition, portions of each of the buildings include office and/or storage space. Detailed descriptions of the site setting and history of OU-2 and OU-3 were described in the Plan and will not be reiterated here. Unoccupied buildings were not included in the Plan and include the Laboratory Building located within the AOOA which is abandoned and locked with no plans to reopen it, the Electrical Sub-Station A structure in the AOOA which is not used for continuous occupancy, and the One Babcock Street Storage Facility [former Truck Loading Rack] used for storage and which is not occupied on a regular basis.

To evaluate existing occupied buildings, ExxonMobil collected multiple soil vapor and/or subslab vapor samples either beneath the slabs of the occupied buildings or immediately adjacent to the buildings. Samples were collected due to the presence of volatile petroleum constituents and/or mercury in soil and groundwater in the vicinity of occupied buildings and utility corridors and due to the presence of separate-phase product in OU-3.

In addition, several soil vapor samples were collected along the BCP site boundary in areas where volatile petroleum constituents and/or mercury were detected in soil and groundwater during previous investigations.

Finally, soil vapor samples were collected at two locations above the separate-phase product plume in OU-3 to evaluate the potential for generation of impacted soil vapor in separate-phase product areas.

Where possible, soil vapor points were located underneath pavement or concrete.

Sampling was conducted in accordance with the Soil Vapor Intrusion Guidance Document (NYSDOH, 2006). In the following sections, the results of the soil vapor and sub-slab samples are evaluated relative to NYSDOH soil vapor comparison values (NYSDOH, 2006).

In order to address the environmental conditions at the Site, ExxonMobil entered into a Brownfield Site Cleanup Agreement with the New York State Department of Environmental Conservation (NYSDEC) on April 3, 2006. Under this agreement, the Site entered into New York State's Brownfield Cleanup Program (BCP). The Site is defined, for the purposes of the BCP, as the area within the limits of the five OUs. In addition, the Site was divided into nine geographic areas for the purpose of assessing environmental conditions and reporting the results of areaspecific activities. These geographic areas were designated according to the historical primary operations that occurred in each portion of the Site. OU-2 encompasses portions of the former geographic areas designated as the northern portion of the BSPA and the AOOA, as well as the northern portion of the Former Refinery Area (FRA), Northern Tank Yard Area (NTYA), Northeast Process and Storage Area (NPSA), and a small northern portion of the Central Rail and Process Area (CRPA). OU-2 is depicted on Figure 2. OU-3 encompasses the southern portions of the BSPA, FRA, and CRPA, as well as the entire Southern Tank Yard Area (STYA), as shown on Figure 2.

The operational portion of the Site south of Elk Street is currently a petroleum products storage and distribution facility owned and operated by Buckeye with the surrounding non-operating area (formerly part of historic operations) owned by ExxonMobil.

Until recently, there was no comprehensive development plan currently in place for this portion of Buffalo. However, ExxonMobil and other stakeholders in the area undertook an evaluation of the best future use of the property and surrounding areas of this portion of Buffalo known as the "Elk Street Corridor". In November 2008, the results of the evaluation were documented in a report entitled "Elk Street Corridor Redevelopment Plan" (Wendel Duchscherer, 2008). In the vicinity of the Site, the Preferred Redevelopment Plan includes a combination of light industrial, back office, commercial, green space, and very limited retail use. Until the redevelopment plan is implemented, continued uses of the Site include vacant land with a portion operating as a petroleum products storage and distribution terminal owned and operated by Buckeye and a portion (on the Babcock Street Properties Area (BSPA)) owned and operated by One Babcock for various industrial purposes. This work plan will guide further evaluation of soil vapor impacts based on current and reasonably anticipated future uses of the property.

2.0 SOIL VAPOR SAMPLING SCOPE OF WORK PERFORMED

The following sections include the description and rationale for selection of the soil vapor samples collected in October and November 2008 and the scope of work completed to collect the samples.

2.1 Description of Samples Collected

Because volatile petroleum constituents have been detected in soil and groundwater in OU-2 and OU-3 and separate-phase product has been identified in site wells, ExxonMobil evaluated the potential for intrusion of site-related constituents from the subsurface to the interior spaces for the three occupied buildings in OU-2 and the occupied building in OU-3. In addition, ExxonMobil evaluated the potential for soil vapor near the separate-phase product plume and the Site property boundary. All samples were analyzed for petroleum-related VOCs and methane. In addition, two samples were analyzed for mercury, as described below. As described in Section 1, soil vapor sampling activities were completed at four buildings associated with the former petroleum refinery and/or active petroleum storage and distribution operation are currently occupied within the limits of OU-2 and OU-3. These are:

- the One Babcock Street offices (former Barrel House), identified as Building 135, located within the BSPA;
- the garages in the BSPA (identified as Building 140 Former Lakes Division Garage [One Babcock Street Tenants]);
- the Buckeye's warehouse/garage/main terminal office in the AOOA (identified as Building 152 Main Office (Former Mechanical Shops)); and
- the building identified as Building 153 Store House in the AOOA.

Because soil samples collected near the four occupied buildings have measured concentrations of volatiles as discussed in the Plan and one occupied building in the BSPA is in the vicinity of a separate-phase product plume, ExxonMobil collected multiple soil vapor and/or sub-slab vapor samples either beneath the slabs of the occupied buildings or immediately adjacent to the buildings. The locations and depths of the samples are described below by area. Figure 2 shows the locations of the sub-slab and/or soil vapor samples. The rationale for the selected sampling points is described below. In most cases, the samples were collected from the location shown in the Plan or from an alternative location less than 5 feet away. The actual locations are shown on

Figure 2. Where installation of the sampling point was not possible (SV-7) or the location was moved significantly (SV-12), these changes are described below.

2.1.1 BSPA Vapor Samples in the Vicinity of Buildings 135 and 140

Soil samples collected from the BSPA near Building 135 identified petroleum impacts in shallow and deep soil. Soil samples collected near Building 140 identified petroleum and mercury impacts at 2.5 feet below grade. The soil vapor samples were collected from a shallow depth of 2 feet, approximately 1 foot deeper than the building slab of the slab-on-grade buildings to evaluate the potential for vapor intrusion into the buildings.

A well point system for groundwater remediation operates along the entire southern border of OU-3 adjacent to the bulkhead. The well point system depresses the water table and extracts groundwater by inducing a vacuum on the well points. In order to limit the potential effects of the vacuum generated by the well point system on the soil vapor samples in OU-3, the well point system was temporarily shut down one day before and during the sampling event.

A discussion of the sampling locations for each building is described below. Figure 2 presents the locations of each sample. All samples were analyzed for petroleum-related VOCs and fixed gasses, including methane, carbon dioxide, carbon monoxide, oxygen, hydrogen, and nitrogen. In addition, sample SV-1 was analyzed for mercury.

Building 135

Separate product has been identified in the immediate vicinity of Building 135 - One Babcock Street Offices (former Barrel House). Separate-phase product thicknesses are generally higher in the vicinity of the northern portion of Building 135. In addition, the highest concentrations of VOCs in soil and groundwater were observed toward the northern end of the building and upgradient of the building. A storm sewer (potential preferential pathway) runs east-west approximately 30 feet north of the building. In addition, the 72-inch municipal sewer in Babcock Street runs in a north to south direction from the Buffalo River to Elk Street. A natural gas line runs south from Elk Street along the east side of Babcock Street to Building 135. It enters the west side of the building approximately five feet from the northwest corner of the building. One soil vapor sample (SV-10) was installed in asphalt between the One Babcock

Street Offices and the sewer line near the northwest corner of the building. A second soil vapor sample (SV-11) was installed in asphalt between the One Babcock Street Offices and the storm sewer line near the northeast corner of the building. These samples were used to assess the potential for soil vapor intrusion into the occupied building, as well as the potential for generation of impacted soil vapor in separate-phase product areas (discussed further below). The northern portion of the building is occupied with offices. The southern portion of the building is used as warehouse space. Since separate-phase product has only been detected infrequently in isolated monitoring wells near the southern portion of the building and since the southern end of the building is unoccupied, no soil vapor samples were completed at the southern end of the building.

Building 140

The highest concentrations in soil and/or groundwater were in samples collected on the upgradient end of Building 140. As pipe removal activities were conducted just north of the building and the most occupied garage is located at the northern end of the building, a sub-slab vapor sample (SV-1) was collected within the occupied portion of Building 140. Utilities are located on the southern and eastern edges of the building and may present a preferential pathway of vapor migration. A natural gas line runs south from Elk Street along the east side of Babcock Street. A branch from the main line crosses under Babcock Street and enters through the south side Building 140 approximately 10 feet from the southeast corner of the building. A second sub-slab vapor sample (SV-2) was collected within the occupied office space located on the southeast end of the building. The southern sample, SV-2, is closest to the western end of OU-2; therefore, it was also selected to evaluate for the presence of subsurface vapor at the Site property boundary.

2.1.2 AOOA Vapor Samples in the Vicinity of Buildings 152 and 153

Soil samples collected from the AOOA near Buildings 152 and 153 identified petroleum impacts in shallow soils in the area. The shallow contamination is likely due to surface spills, instead of groundwater contamination, as deeper soils at the groundwater table are generally not contaminated. As groundwater is shallow and potential sources are likely related to surface spills, the soil vapor samples were collected from a shallow depth of 2 feet, approximately 1 foot deeper than the building slab of the slab-on-grade buildings to evaluate the potential for vapor intrusion into the buildings. A discussion of the sampling locations for each building is described below. Figure 2 presents the locations of each sample. Samples were analyzed for petroleum-related VOCs and fixed gasses.

Building 152

To characterize potential vapors in the vicinity of Building 152 and to identify any areas for future characterization, three soil vapor samples were collected from paved areas around Building 152. One sample (SV-3) was collected from an unpaved area upgradient of the building near the storm sewer line. Installation of this point in the proposed paved area was not possible due to encountering concrete beneath the asphalt pavement in excess of 14 inches. One soil vapor sample (SV-4) was collected east of Building 152 in the paved area between this building and Building 153. In addition, one soil vapor sample (SV-5) was collected from a paved area at the downgradient edge of the building to characterize soil vapor on the southern side of the building. This sample was located near the underground electrical/control conduit, which runs south from Building 152 to the Tank Truck Loading Rack (Building 112), in order to also characterize the potential preferential pathway along the underground utility that may be due to migration of vapors from separate-phase product and soil impacts in the vicinity of the loading rack.

Building 153

Two soil samples which were collected from SB-192, located approximately 100 feet north of the Store House (Building 153), identified petroleum constituents at a shallow depth, stained soils, and PID reading in excess of 100 ppm. As this area may have a source of volatile constituents and is located upgradient of the building, one soil vapor sample (SV-6) was collected from a concrete area to the north of Building 153, downgradient of SB-192. In addition, one soil vapor sample (SV-7) was attempted in a paved area immediately downgradient of the building to characterize the extent of any potential soil vapor contamination. SV-7 could not be installed due to shallow water encountered at approximately 1.5 feet below grade. Several unsuccessful attempts were made to install this sample point. This point was intended to characterize the extent of any potential soil vapor impacts that may be due to migration of vapors from separate-phase product and soil impacts in the vicinity of the loading rack. In addition, it was located approximately 50 feet to the east of soil boring SB-191 where VOC soil

concentrations, black staining, petroleum odor, and a PID reading of 30 ppm were observed at 3 to 4 feet below land surface.

2.1.3 OU-3 Characterization of the Potential for Soil Vapor Generation in Separate-Phase Product Areas

In addition to characterizing potential for vapor intrusion into Building 135, SV-10 and SV-11 also characterized soil vapor VOCs and methane related to the separate-phase product plume in OU-3. One additional sample (SV-12) was collected in OU-3 for this purpose. Sample SV-12 was initially located above the main product plume in OU-3 in a paved road just to the west of the active lined aboveground tank farm in the STYA. The point was moved approximately 160 feet to the west in an unpaved area adjacent to a paved road after three unsuccessful attempts were made to install the point in the original location (concrete/rock in excess of 14 inches was encountered at each location attempted). SV-12 is located in the vicinity of several wells, which currently and historically have separate-phase product present.

The soil vapor samples were collected from a shallow depth of 2 feet. In order to limit the potential effects of the vacuum generated by the well point system on the soil vapor samples in OU-3, the well point system was temporarily shut down one day before and during the sampling event.

2.1.4 Additional Boundary Soil Vapor Samples

As described above, sub-slab soil vapor sample SV-2 was collected to understand soil vapor concentrations that may migrate to offsite areas to the west, as well as to assess potential soil vapor impacts to the occupied building. Two additional samples, SV-8 and SV-9, were collected on the northern property boundary within the FRA and northeastern property boundary, within the NPSA, respectively. The soil vapor samples were collected from a shallow depth of 2 feet.

These samples were collected to further understand the concentrations of soil vapor that may be present at the Site boundaries adjacent to offsite areas. Sample SV-8 was moved from its original location in the NTYA near the site entrance to the FRA just north of Test Pit 12A based upon the second round of comments provided by the NYSDEC and NYSDOH on July 22, 2008. The comments stated that NYSDEC and NYSDOH were concerned about the potential off-site

migration of vapors from existing contamination in the northern portion of the FRA. SV-9 was collected from an unpaved area just west of the OU-2 boundary and current ExxonMobil property line. No utilities are located in this area. SV-9 is located between soil boring SB-107 and the property line since SB-107 had the highest total VOC and TPH concentrations in the vicinity of and below the water table in this area of OU-2 and had one of the highest concentrations of mercury in OU-2. SV-9 was therefore analyzed for petroleum-related VOCs, methane and mercury. SV-8 was analyzed for petroleum-related VOCs and methane.

2.2 Scope of Work Completed

The Scope of Work for the sample collection and data evaluation was divided into the following tasks:

- Task 1 Utility Clearance Activities;
- Task 2 Sample Collection and Analysis; and
- Task 3 Data Evaluation and Report Preparation.

Each task is described below:

2.2.1 Task 1 – Utility Clearance and Installation of Soil Vapor Sampling Points

Prior to any intrusive activities, the New York One Call center was contacted to mark out all of the utilities in the study area. To ensure that no utilities were disrupted during the installation of the sampling points, a utility clearance was completed by hand prior to installing the sample collection point. The building owner was also questioned to provide information regarding the location of any potential utilities in the areas that were to be sampled.

Soil Vapor Sample Points

The soil vapor sample points were installed to a depth of 2 to 2.5 feet using hand tools. Each sample point was installed at least one foot above the water table. Approximately 2 inches of sand were installed in the bottom of the borehole and a length of Teflon-lined sample tubing fitted with a six inch long stainless steel sample screen was inserted into the borehole. The annular space was backfilled with coarse sand to one foot above the sample tubing. Above the sand, a bentonite seal was installed in the annular space to within one foot of ground surface to secure the sample tubing in place and to seal the borehole to prevent infiltration of ambient air to

the soil gas sample point. The borehole was then backfilled with non-impacted native material, more bentonite, or clean sand to grade. Figure 3 provides a schematic of the sampling set-up for VOCs and Figure 4 provides a schematic of the sampling setup for mercury. The end of the tubing protruding above the land surface was sealed until the soil sampling began. The sample points were left in place with the tubing capped following sample collection.

Sub-Slab Vapor Sample Points

For indoor sub-slab samples, a 1-inch hole was drilled through the concrete slab and a vacuum was used to loosen and remove the material within the boring to a depth of eight inches below the slab. Upon reaching the target depth, two inches of coarse sand were installed in the bottom of the borehole. A six inch long stainless steel sample screen attached to a length of Teflon-lined sample tubing was extended to the bottom of the boring (the screened interval was zero to six inches below the slab). The annular space was backfilled with coarse sand to the top of the sample screen. Above the sand, a temporary bentonite or modeling clay seal was installed in the annular space between the sample tubing and the slab penetration to secure the sample tubing in place and to seal the penetration through the slab to prevent migration of any potential vapors present beneath the slab into the building. Figure 3 provides a schematic of the sampling set-up for VOCs and Figure 4 provides a schematic of the sampling setup for mercury. The sample points were left in place with the tubing capped following sample collection.

2.2.2 Task 2 – Sample Collection and Analysis

Soil vapor samples were collected from the locations described above. The following procedural steps were followed during soil vapor sample collection:

- 1. For both VOC and mercury sampling, new Teflon-lined tubing was passed through a plastic container (i.e., bucket) and connected to a 'T' connector three-way valve assembly, with one end of the 'T' connector leading to a vacuum air purge pump and the other end leading to:
 - a. a pre-evacuated six-liter summa canister with regulator calibrated to collect a sample over an 8-hour period for VOC sampling.
 - b. the mercury sampling train including the mixed cellulose ester (MCE) pre-filter cartridge, solid sorbent tube (Hopcalite media), and pre-calibrated sample pump.

- 2. A tracer gas (i.e., helium) was then used to enrich the atmosphere in the immediate vicinity of the sampling location (using an inverted bucket) where the sampling tubing intersects the ground surface in order to test the borehole seal and verify that ambient air is not inadvertently drawn into the sample. The tracer gas was used to verify that ambient air did not dilute the soil vapor sample being collected.
- 3. The soil vapor sample tubing was purged of approximately three volumes of the sample tubing using a vacuum pump set at a rate of approximately 0.2 liters per minute.
- 4. Both the purged air in the sample tubing and the helium-enriched area within the bucket were screened for the tracer gas. The tracer gas was measured utilizing a portable helium detecting meter, which measures the rate of helium leakage in milliliters per second. If the screening results indicated that the rate of helium detected in the sampling tubing was greater than 20 percent of the helium detected in the enriched area (i.e., within the bucket), the seals around the sampling equipment were reset and the sample tubing purged again until the tracer gas was no longer detected at levels greater than 20 percent of the enriched concentration located directly above the borehole.
- 5. Following the purging and tracer gas verification steps, the air purge pump was turned off, the valve leading to the air purge pump was closed, and the soil vapor was directed to the summa canister for VOC samples or mercury sample pump for mercury samples for sample collection. The summa canister regulator restricted the sample collection rate to approximately 12.5 milliliters per minute (0.0125 liters per minute) to allow the sample to be collected over an 8-hour period. The mercury sample pump was laboratory calibrated for a flow rate of 210 milliliters per minute (0.21 liters per minute) to allow for a 100 liter sample to be collected over 8 hours.

Samples were collected on October 6 and 7, 2008, October 28 and 29, 2008 and November 5,

- 2008. The following problems occurred during sampling:
 - On October 7, 2008, the mercury sample from SV-9 was discarded due to water being drawn into the sample pump.
 - On October 29, 2008 an attempt was made sample SV-1 for mercury for the first time and to resample SV-9 for mercury. These samples were not completed as it was discovered that the laboratory had sent the wrong sample tube. Both locations were successfully re-sampled on November 5, 2008.

Outdoor ambient air samples were collected concurrently with the soil vapor and sub-slab vapor samples. Two duplicate samples for VOCs were obtained during the sampling program by collecting two samples sequentially from the same sample point.

During sampling, weather conditions were recorded (e.g., precipitation, indoor and outdoor temperature, and barometric pressure). In addition, any pertinent outdoor observations (e.g., odors, PID readings, and significant activities in the vicinity) were recorded.

The field sampling team maintained a sample log sheet summarizing the sample identification, date and time of sample collection, identity of samplers, sampling methods and devices utilized, vacuum of canisters before and after samples are collected, and sample analyses. Soil vapor sampling field forms are presented in Appendix A (including forms for samples that were discarded and re-sampled) and equipment calibration forms are presented in Appendix B.

Each VOC sample was collected in a Summa canister over an 8-hour period. Each VOC air sample was collected using the sampling methods in accordance with the NYSDOH Soil Vapor Intrusion Guidance (NYSDOH, 2006). Each air/soil vapor sample was analyzed for VOCs under a USEPA Method TO-15 list of analytes and methane by modified ASTM 1946 (modified method achieves a detection limit of 10 ppm_v). In addition, soil vapor sample SV-1 was collected with a sample train consisting of a solid sorbent tube with MCE pre-filter cartridge and analyzed for mercury by NIOSH method 6009. The use of the pre-filter allowed for analysis of only elemental mercury vapor on the sorbent tube. The pre-filter was not analyzed. Method-specific QA/QC protocols were followed by the laboratory. Test America Laboratories of Nashville, Tennessee and Phoenix, Arizona provided all laboratory services including the sampling containers and regulators. Test America is an Environmental Laboratory Approved Program (ELAP) certified laboratory. Laboratory data was be reported in NYSDEC ASP Category B deliverables.

In addition, a Data Usability Summary Report (DUSR) was prepared for the vapor samples by a party independent from the laboratory performing the analysis in accordance with Appendix 2B of DER-10. The report prepared by Data Validation Services (DVS) of North Creek, New York is presented in Appendix C. In the instances where DVS suggested adding a qualifier to the laboratory data, the summary tables were modified to reflect that qualification.

3.0 EVALUATION OF AMBIENT AIR AND SOIL VAPOR SAMPLE RESULTS

The following sections provide an evaluation of the soil vapor and ambient air data collected relative to several potentially applicable regulatory criteria and comparison values. Sampling results are provided on Table 1 for VOCs and Table 2 for fixed gases (including methane). The evaluation of fixed gasses presented below focuses only on methane.

Petroleum and non-petroleum related VOCs were detected in the soil vapor and ambient air samples. In addition, methane was detected at several locations at elevated concentrations. Mercury was not detected in either of the soil vapor samples analyzed for this parameter. The discussion below focuses on VOCs and methane. Based on the results, no further assessment of mercury was conducted and no additional sampling is recommended.

3.1 Evaluation of Ambient Air Results

VOCs were detected in all ambient air samples and results were compared to soil vapor concentrations to determine whether multiple sources of VOCs may impact indoor air.

At least four compounds were detected in each ambient air sample and at least three compounds were detected in each soil vapor sample. The maximum concentrations of acetone and chloromethane were detected in Ambient Air 2 and Ambient Air 3, respectively, suggesting that an ambient source, rather than a subsurface source, could contribute to acetone or chloromethane concentrations in indoor air. Likewise, other VOCs detected in ambient air at similar concentrations as soil vapor samples, including 1,3-dichlorobenzene, 2-butanone, 2-propanol, dichlorodifluoromethane, and methylene chloride would likely represent a larger source of indoor air concentrations relative to soil vapor¹.

3.2 Development of Sub-slab Attenuation Factors and Comparison to Criteria

Soil vapor sampling results were evaluated relative to indoor air comparison criteria and a methane screening level. In order to compare indoor air criteria to soil vapor results, indoor air criteria were multiplied by an attenuation factor to convert each indoor air concentration to a

¹ Indoor air VOC sources, such as adhesives, solvents, petroleum products and dry cleaned clothing, also contribute to indoor air concentrations.

corresponding soil vapor concentration. The development of the attenuation factors and the comparison criteria are described below.

3.2.1 Sub-slab Attenuation Factors and Comparison Criteria

Two sub-slab attenuation factors were used in this analysis. First, a sub-slab attenuation factor of 20 was used as a conservative value and represents the lowest indoor air to soil vapor factor used by NYSDOH in Decision Matrix 1 of the Soil Vapor Intrusion Guidance² (NYSDOH, 2006). A second attenuation factor of 150 was used as a more typical attenuation factor based on studies summarized below:

- An investigation of radon by Mosley et al. (2004) found that sub-slab vapor concentrations were approximately 100 to 500 times greater than indoor air concentrations, with ninety percent of the attenuation factors greater than approximately 150. Little et al. (1992) reported that indoor air concentrations were approximately 625 times greater than soil vapor concentrations (i.e., indicating slightly greater attenuation than reported by Mosley et al.). McHugh (2005) reported a radon-based attenuation factor in a small office building of 2000, again indicating greater attenuation than reported by Mosley et al.
- Wertz & McDonald (2004) reported on the confounding effects of background indoor air concentration on the calculation and interpretation of sub-slab attenuation factors from a soil vapor/indoor air investigation involving a chlorinated solvent plume at Endicott, NY. They found that background concentrations in indoor air heavily influenced calculated subslab attenuation factors. Furthermore, they found that the effect of background indoor air concentration on sub-slab attenuation factors could be reduced, but not eliminated, by calculating sub-slab attenuation factors only when soil vapor concentrations were above 100 X 75% background. Using this approach, they reported that 75% of the attenuation factors for the combined PCE, TCE, and trichloroethane (TCA) data were approximately 150 or more. This did not eliminate the effect of background and they calculated theoretical attenuation factors ranging from 250 to 500.

The following soil vapor comparison criteria include:

• Background indoor air concentrations provided by the NYSDOH (NYSDOH, 2006) adjusted for comparison to soil vapor data³. VOCs are present in indoor air, regardless of the presence of a subsurface source. Data are compared to adjusted indoor air concentrations to identify whether any indoor air impacts above background levels due to impacted soil vapor are probable.

² NYSDOH applies a factor of twenty to the lowest indoor air concentration in decision matrix 1 (0.25 ug/m³) which results in the lowest sub-slab vapor concentration of 5 ug/m³.

³ Indoor air comparison criteria were adjusted by attenuation factors of 20 and 150, as described in Section 3.2.1.

- OSHA PELs adjusted for soil vapor comparison³. Because onsite buildings are used for industrial/commercial purposes, OSHA PELs were identified as relevant worker-related comparison values.
- Twenty-five percent of the methane lower explosive limit (LEL) or 12,500 ppm_v . This was a conservative screening value selected to evaluate the methane concentrations detected.

3.2.2 Comparison to Adjusted Indoor Air Criteria

As part of the data evaluation process, NYSDOH presents background indoor air levels as screening tools generally used to determine appropriate next steps in a vapor intrusion evaluation (NYSDOH, 2006). Background indoor air concentrations represent those concentrations of VOCs present in indoor air of buildings not affected by environmental contamination. When site indoor air concentrations are consistent with background concentrations, the source(s) of VOCs in indoor air can be difficult to identify. In this scenario, mitigation measures often do not result in a reduction of indoor air concentrations as other interior or ambient sources remain.

As described in Section 3.2, in order to compare background indoor air concentrations presented in the Soil Vapor Intrusion Guidance (NYSDOH, 2006) to soil vapor concentrations, the background indoor air values were multiplied by a factor of 20 as a conservative attenuation factor and 150 as a more typical attenuation factor. These factors were applied to identify soil vapor concentrations that could result in indoor air concentrations equal to the background indoor air level.

Table 1 presents the comparison of detected soil vapor concentrations to adjusted background indoor air concentrations. The following soil vapor results exceeded the background comparison criteria:

- SV-4 and/or SV-4 DUP: 1,1-dichloroethane (1,1-DCA), carbon disulfide, cis-1,2dichlroethene (cis-1,2-DCE) and TCE exceed the background concentration using an attenuation factor of 20. When an attenuation factor of 150 is applied, only the 1,1-DCA concentration exceeds its background comparison criterion.
- SV-10: benzene (attenuation factors of 20 and 150).

³ Indoor air comparison criteria were adjusted by attenuation factors of 20 and 150, as described in Section 3.2.1.

• SV-12: benzene and ethylbenzene (attenuation factors of 20 and 150).

In addition, detection limits of certain compounds at SV-1, SV-10, SV-11 and SV-12 were above the adjusted background indoor air comparison criteria.

3.2.3 Comparison to OSHA PELs

Table 1 also presents a comparison of adjusted OSHA PELs to soil vapor concentrations to assess whether subsurface conditions have the potential to impact indoor air at concentrations greater than occupational health and safety standards. No subsurface soil vapor concentration exceeded its corresponding adjusted OSHA PEL; therefore, no worker standards are expected to be exceeded in indoor air.

3.2.4 Comparison to Twenty-five Percent of Methane LEL

Soil vapor methane concentrations ranged from non-detect (less than 10 ppm_v) to 159,200 ppm_v . Four sampling results, collected at SV-1, SV-10, SV-11, and SV-12 exceeded the methane comparison criteria of 12,500 ppm_v .

3.3 Evaluation of Comparison Results

Vapor concentrations of subsurface petroleum-related constituents exceeding comparison values were found at three points (SV-10, SV-11, and SV-12) within the separate phase product area. Because the northern portion of Building 135 is partially located within this area and adjacent to SV-10 and SV-11, further assessment is necessary. Petroleum constituents do not appear to be present at elevated concentrations in the vicinity of Buildings 152 and 153; however, concentrations of carbon disulfide, TCE, and select degradation compounds have been detected at SV-4 at concentrations exceeding comparison criteria. The presence of chlorinated compounds in this area may be due to historical vehicle maintenance activities that occurred within the building.

Due to elevated detection limits, VOC concentrations at SV-1 and in the northern portion of Building 140 are unknown; concentrations of VOCs detected in soil vapor under the southern portion of Building 140 (SV-2) are below levels of concern.

In line with the three goals of the vapor sampling stated in the Plan and reiterated in Section 1 of this report, the following was concluded:

1. Evaluation of existing occupied buildings onsite:

Further subsurface sampling is proposed at all buildings, and indoor air screening for methane is proposed in Building 140. Additional sampling locations are described in Section 4. No additional evaluation of mercury is required, as mercury was not detected in SV-1.

2. Evaluation of Site property boundaries:

No VOC exceeded any soil vapor or indoor air comparison criterion at boundary samples SV-8 (northern boundary) and SV-9 (eastern boundary), and no further investigation of VOCs, mercury, or methane is required in these areas based upon these sampling results⁴. SV-2, close to the western boundary, did not have any VOCs that exceeded comparison criteria nor did it have elevated methane. However, based upon the results of SV-1, which had elevated detection limits for VOCs and elevated methane, an additional soil vapor boundary sample will be collected to assess the western boundary of OU-2.

3. Evaluation of the potential for vapor generation from areas of separate-phase product:

Soil vapor samples collected from areas of separate-phase product exhibited high concentrations of petroleum-related compounds, including benzene, ethylbenzene, and hexane. In addition, methane was detected at greater than 25% of its LEL. Impacted soil vapor may be a concern during future remedial activities and/or redevelopment in free product areas. Other than in the vicinity of Building 135 (proposed sampling described in Section 4), no further sampling is warranted at this time.

In addition to these three goals outlined in the Plan, an additional goal for this work plan includes:

4. Assessment of the potential for vapor migration along sewer lines:

Concentrations of VOCs and/or methane exceeding comparison values were detected in samples SV-1, SV-10, SV-11, and SV-4. Each of these samples was collected near a sewer line. Additional assessment is proposed to assess the potential for migration of VOCs and/or methane to Elk Street.

Therefore, the three goals of additional soil vapor and indoor air investigation and assessment in OU-2 and OU-3 proposed herein include:

1. Additional assessment of each occupied building;

⁴ While no additional samples are proposed based upon previous sampling results, additional samples are proposed along Elk Street to assess the potential for vapor migration along sewer lines.

- 2. Evaluation of the western site boundary; and,
- 3. Assessment of the potential for vapor migration along sewer lines onsite and to Elk Street.

Eight additional soil vapor samples are proposed to be collected, as described in Section 4, below. In addition, a methane screening will be conducted in Building 140 using an LEL meter.

4.0 PROPOSED ADDITIONAL SAMPLING

Based upon the evaluation of the soil vapor data collected in October and November 2008, as presented in Section 3, additional sampling is recommended as described in this section. The rationale for selection of sampling locations is described below and summarized in Table 3.

4.1 Proposed BSPA Vapor Samples in the Vicinity of Buildings 135 and 140, the 72-inch Municipal Sewer in Babcock Street and the Western BCP Site Boundary

The following additional sampling is proposed in the BSPA.

4.1.1 Proposed Additional Sub Slab Soil Vapor Sampling in the Vicinity of Building 135

Samples SV-10 and SV-11 were collected adjacent to Building 135 and near storm sewer piping. As shown on Table 2, elevated concentrations of methane (greater than 25% of the LEL) were detected in these samples, as were elevated concentrations of petroleum constituents. A subslab soil vapor sample (SV-13) will be collected beneath the slab of Building 135 in the vicinity of occupied offices and will be sampled for VOCs and methane. In addition to methane, forensic analysis, including carbon isotope, hydrogen isotope, and fixed gases analyses for assessment of the methane source (i.e., thermogenic versus biogenic) will be conducted. The approximate location of SV-13 is shown on Figure 2. Since the building is elevated above grade and to avoid disruption of the owner's operations, ExxonMobil will attempt to collect the sample through the northern foundation of the building. If this is not possible, the sample will be collected from within the warehouse space immediately adjacent to the offices or from within the active office space. In addition to the samples described above, one ambient air sample will be collected on each day of sampling and analyzed for VOCs and methane.

4.1.2 Proposed Additional Sub Slab Soil Vapor Sampling and Methane Screening in the Vicinity of Building 140

Due to the elevated detection limits for VOCs in sample SV-1 and the elevated methane concentration, the soil vapor at this location will be re-sampled and will be analyzed for VOCs and methane. In addition, soil vapor will undergo forensic analysis, including carbon isotope, hydrogen isotope, and fixed gases analyses for assessment of the methane source (i.e., thermogenic versus biogenic). Because methane was detected at SV-1 at a concentration exceeding 25% of its LEL, the indoor air within the northern portion of Building 140 will be screened for methane using an LEL meter. In addition to the samples described above, one

ambient air sample will be collected on each day of sampling and analyzed for VOCs and methane.

4.1.3 Proposed Sampling Along the BSA Municipal Sewer in Babcock Street

Based upon the results for SV-1 and SV-10, and due to the potential for migration of impacted soil vapor along the 72-inch municipal sewer in Babcock Street, additional soil vapor sampling is proposed at two locations along the sewer as shown on Figure 2:

- one location (SV-14) at the boundary between OU-2 and OU-3.
- one location (SV-15) at Elk Street.

Construction of the proposed sample points and the proposed sampling train will be in accordance with Figure 3. Sampling will be conducted in accordance with the procedures described in section 2.2 for VOCs and methane. One ambient air sample will also be collected on each day of sampling and analyzed for VOCs and methane.

4.1.4 Proposed Additional Soil Vapor Samples to Evaluate the Western BCP Site Boundary

Due to the presence of elevated concentrations of several VOCs, elevated detection limits for other VOCs, and elevated methane at SV-1, an additional boundary soil vapor sample, SV-16, is proposed in an unimproved area along the BCP site boundary immediately west of SV-1. Construction of the proposed sample point and the proposed sampling train will be in accordance with Figure 3. Sampling will be conducted in accordance with the procedures described in section 2.2 for VOCs and methane. In addition to the samples described above, one ambient air sample will be collected on each day of sampling and analyzed for VOCs and methane.

4.2 Proposed AOOA Vapor Samples in the Vicinity of Buildings 152 and 153 and NPSA Vapor Sample Along the Sewer Line that Extends to Elk Street Near the Main Entrance

The following additional sampling is proposed in the AOOA and NPSA

4.2.1 Proposed Sampling at Building 152

Due to the presence of VOC concentrations in excess of comparison criteria, a vapor sample will be collected beneath the slab of Building 152. The sample, SV-17, will be located immediately to the west of the SV-4 sampling location, beneath a multi-purpose room. This location was

selected to best represent concentrations of VOCs beneath the occupied portion of the building and to evaluate the potential for the sewer line that enters the building near the SV-4 sample location to act as a preferential transport pathway. In addition to the samples described above, one ambient air sample will be collected on each day of sampling and analyzed for VOCs and methane.

Construction of the proposed sample points and the proposed sampling train will be in accordance with Figure 3. Sampling will be conducted in accordance with the procedures described in Section 2.2 for VOCs and methane.

4.2.2 Proposed Sampling at Building 153

As shown on Figure 2, a sewer line runs from the western side of Building 153 to Building 152, near the sampling location SV-4. Due to the elevated concentrations of VOCs in SV-4 and the possibility that the sewer line may act as a preferential transport pathway, subslab soil vapor sample SV-18 will be collected underneath Building 153 immediately adjacent to the sewer line, as shown on Figure 2. This sample will be located beneath the occupied portion of the building.

Construction of the proposed sample points and the proposed sampling train will be in accordance with Figure 3. Sampling will be conducted in accordance with the procedures described in section 2.2 for VOCs and methane. In addition to the samples described below, one ambient air sample will be collected on each day of sampling and analyzed for VOCs and methane.

4.2.3 Proposed Sampling Along the Sewer Line that Extends to Elk Street Near the Main Entrance in the NPSA

Based upon the results for SV-4 and due to the potential for migration of impacted soil vapor along the sewer line that extends from Building 152 and 153 to Elk Street, soil vapor sample SV-19 is proposed along the sewer at the intersection of the boundary of OU-2 and Elk Street.

Construction of the proposed sample points and the proposed sampling train will be in accordance with Figure 3. Sampling will be conducted in accordance with the procedures described in section 2.2 for VOCs and methane. In addition to the samples described below, one

ambient air sample will be collected on each day of sampling and analyzed for VOCs and methane.

4.3 Sampling and Analysis Protocols

Sampling protocols for soil vapor and subslab soil samples will be consistent with the protocols for collection of samples described in Section 2 of this report. Samples will be analyzed in accordance with the methods for VOCs and methane described in Section 2. In addition, samples from SV-1 and SV-13 will be sent for forensic analysis, including carbon isotope, hydrogen isotope, and fixed gases analyses for assessment of the methane source (i.e., thermogenic versus biogenic) at Zymax Laboratories in San Luis Obispo, California. Isotopic and fixed gases analyses of the vapor samples will indicate if the methane is likely natural gas (thermogenic) or derived from the biodegradation of petroleum hydrocarbons (biogenic). This may indicate whether further evaluation of the natural gas line that runs along the east side of Babcock Street to Building 135 and which crosses Babcock Street and enters the south side of Building 140 is warranted.

During sampling, weather conditions will be recorded (e.g., precipitation, indoor and outdoor temperature, and barometric pressure). In addition, any pertinent indoor and outdoor observations (e.g., odors, PID readings, and significant activities in the vicinity) will be recorded.

The field sampling team will maintain a sample log sheet similar to those presented in Appendix A, summarizing the sample identification, date and time of sample collection, identity of samplers, sampling methods and devices utilized, vacuum of canisters before and after samples are collected, and sample analyses.

5.0 PROJECT SCHEDULE

Roux Associates estimates that the utility clearance activities and soil vapor sample collection point installation can be performed at a rate of 3 locations per day (barring delays due to subsurface obstructions). Outdoor ambient air and soil vapor sample collection will commence at the properties following the equilibrium period. The field activities described above will occur according to the following schedule:

- Soil vapor and subslab soil vapor sample collection and outdoor ambient air sample collection three business days;
- Laboratory analysis of sub-slab and soil vapor and ambient air samples (14-day turnaround time); and
- Evaluation of the analytical data and report preparation (45 business days).

Therefore, the total time to complete the field investigation activities, evaluate the resulting data, and prepare an investigation summary report is approximately thirteen weeks. Preliminary results including the laboratory analytical data, summary tables, and a brief cover letter will be provided one week following the receipt of the laboratory results. A final report including a thorough evaluation of the data will be submitted 45 business days following receipt of laboratory analytical results.

Respectfully Submitted,

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Table 1: Comparison of Detected Soil Vapor Concentrations to Adjusted Background Indoor Air Values and Adjusted OSHA PELs

| | | | | Sample Designation: | Ambient Air 1 | Ambient Air 2 | Ambient Air 3 | Ambient Air 4 | SV-1 | SV-2 | SV-3 | SV-4 | SV-4 DUP | SV-5 | SV-6 |
|--------------------------|------------------------|------------------------|----------------------|----------------------|---------------|---------------|---------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | Sample Date: | 10/06/08 | 10/07/08 | 10/28/08 | 10/29/08 | 10/28/08 | 10/29/08 | 10/07/08 | 10/06/08 | 10/07/08 | 10/06/08 | 10/06/08 |
| Parameter | | | | Units: | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ |
| | | | | | | | | | | | | | | | |
| | Adjusted Background | Adjusted Background | Adjusted OSHA | Adjusted OSHA | | | | | | | | | | | |
| | Air Concentrations | Air Concentrations | Permissible Exposure | Permissible Exposure | | | | | | | | | | | |
| | (Attenuation Factor of | (Attenuation Factor of | Limits (Attenuation | Limits (Attenuation | | | | | | | | | | | |
| | 20) (1) | 150) (2) | Factor of 20) (3) | Factor of 150) (4) | | | | | | | | | | | |
| 1.1.1-Trichloroethane | 412 | 3090 | 3.80E+07 | 2.85E+08 | 2.73 U | 2.73 U | 2.73 U | 2.73 U | 546 U | 2.73 U | 180 | 150 | 170 | 5.46 U | 110 |
| 1,1-Dichloroethane | 14 | 105 | 8.00E+06 | 6.00E+07 | 1.98 U | 2.02 U | 2.02 U | 2.02 U | 405 U | 2.02 U | 2.02 U | 260 | 300 | 4.05 U | 2.02 U |
| 1,1-Dichloroethene | 28 | 210 | 1.58E+07 | 1.19E+08 | 1.98 U | 1.98 U | 1.98 U | 1.98 U | 396 U | 1.98 U | 1.98 U | 5.2 | 2.9 | 3.96 U | 1.98 U |
| 1,2,4-Trimethylbenzene | 190 | 1425 | | | 2.46 U | 2.46 U | 2.46 U | 2.46 U | 492 U | 13 | 3.5 | 2.7 JV | 2.6 JV | 4.92 U | 2.46 U |
| 1,3,5-Trimethylbenzene | 74 | 555 | | | 2.46 U | 2.46 U | 2.46 U | 2.46 U | 492 U | 3.4 | 2.46 U | 2.46 U | 2.46 U | 4.92 U | 2.46 U |
| 1,3-Dichlorobenzene | 48 | 360 | | | 8.4 | 9 | 3.01 U | 3.01 U | 601 U | 3.01 U | 3.01 U | 3.01 U | 3.01 U | 6.01 U | 15 |
| 1,4-Dichlorobenzene | 110 | 825 | 9.00E+06 | 6.75E+07 | 3.01 U | 3.01 U | 3.3 | 3.01 U | 601 U | 9.6 | 11 | 78 | 30 | 84 | 27 |
| 2,2,4-Trimethylpentane | | | | | 2.34 U | 11 | 6.5 | 2.34 U | 17750 | 14 | 2.34 U | 2.34 U | 130 | 6.1 | 2.34 U |
| 2-Butanone | 240 | 1800 | 1.18E+07 | 8.85E+07 | 2.95 U | 12 | 2.95 U | 2.95 U | 590 U | 2.95 U | 5.3 | 19 | 2.95 U | 9.1 | 5.9 |
| 2-Hexanone | | | 8.20E+06 | 6.15E+07 | 4.1 U | 4.1 U | 4.1 U | 4.1 U | 819 U | 4.1 U | 4.1 U | 4.1 U | 4.1 U | 8.19 U | 4.1 U |
| 2-Propanol | 5000 | 37500 | 1.96E+07 | 1.47E+08 | 13 | 23 | 4.92 U | 4.92 U | 983 U | 5.2 | 4.92 U | 4.92 U | 4.92 U | 30 | 4.92 U |
| 4-Ethyltoluene | 72 | 540 | | | 2.46 U | 2.46 U | 2.46 U | 2.46 U | 492 U | 2.8 | 2.8 | 2.46 U | 2.46 U | 4.92 U | 2.46 U |
| Acetone | 1978 | 14835 | 4.80E+07 | 3.60E+08 | 74 | 160 | 13 | 15 | 2735 U | 20 | 11.9 U | 140 | 11.9 U | 86 | 48 |
| Benzene | 188 | 1410 | 6.39E+04 | 4.79E+05 | 1.6 U | 1.6 | 1.8 | 1.6 U | 319 U | 12 | 1.6 | 8 | 11 | 3.8 | 3.8 |
| Carbon disulfide | 84 | 630 | 1.25E+06 | 9.34E+06 | 4.1 | 1.56 U | 1.56 U | 1.56 U | 311 U | 2.5 | 9.7 | 90 | 37 | 3.11 U | 23 |
| Carbon tetrachloride | 26 | 195 | 1.26E+06 | 9.44E+06 | 3.15 U | 3.15 U | 3.15 U | 3.15 U | 629 U | 3.15 U | 4.1 | 3.15 U | 3.15 U | 6.29 U | 3.15 U |
| Chloroform | 22 | 165 | 4.80E+06 | 3.60E+07 | 2.44 U | 2.44 U | 2.44 U | 2.44 U | 488 U | 2.44 U | 2.44 U | 8.8 | 11 | 4.88 U | 2.44 U |
| Chloromethane | 74 | 555 | 4.13E+06 | 3.10E+07 | 2.3 | 3.7 | 1.03 U | 1.1 | 206 U | 1.2 | 1.03 U | 1.03 U | 1.03 U | 2.06 U | 1.03 U |
| cis-1,2-Dichloroethene | 38 | 285 | | | 1.98 U | 1.98 U | 1.98 U | 1.98 U | 396 U | 1.98 U | 1.98 U | 170 | 190 | 3.96 U | 1.98 U |
| Cyclohexane | | | 2.10E+07 | 1.58E+08 | 1.72 U | 6.2 | 17 | 1.72 U | 5160 | 13 | 1.72 U | 52 | | 7.6 | 10 |
| Dichlorodifluoromethane | 330 | 2475 | 9.90E+07 | 7.43E+08 | 2.47 U | 2.47 U | 2.47 U | 3.1 | 495 U | 3.8 | 2.47 U | 2.47 U | 2.47 U | 4.95 U | 2.47 U |
| Ethyl Acetate | 108 | 810 | 2.80E+07 | 2.10E+08 | 1.8 U | 1.8 U | 1.8 U | 1.8 U | 360 U | 1.8 U | 18 | 1.8 U | 1.8 U | 3.6 U | 1.8 U |
| Ethylbenzene | 114 | 855 | 8.70E+06 | 6.53E+07 | 3.5 U | 2.17 U | 2.17 U | 2.17 U | 434 U | 7.4 | 2.9 | 2.7 | 2.17 U | 4.34 U | 3.2 |
| Heptane | | | 4.00E+07 | 3.00E+08 | 2.05 U | 2.8 | 2.05 U | 2.05 U | 410 U | 9 | 2.05 U | 4.5 | 32 | 4.1 U | 6.2 |
| Hexane | | | 3.60E+07 | 2.70E+08 | 1.76 U | 4.2 | 19 | 1.76 U | 560 | 34 | 4.9 | 35 | 490 | 17 | 22 |
| m+p-Xylene | 444 | 3330 | 8.70E+06 | 6.53E+07 | 4.34 U | 4.34 U | 4.34 U | 4.34 U | 868 U | 18 | 4.34 U | 8.3 | 4.34 U | 9.6 | 10 |
| Methylene Chloride | 200 | 1500 | 1.74E+06 | 1.30E+07 | 1.74 U | 5.9 | 4.2 | 3.4 | 347 U | 8.3 | 5.2 | 4.9 | 1.74 U | 4.5 | 7.3 |
| o-Xylene | 158 | 1185 | 8.70E+06 | 6.53E+07 | 2.17 U | 2.17 U | 2.17 U | 2.17 U | 434 U | 7.4 | 2.17 U | 2.8 | 2.17 U | 4.34 U | 2.8 |
| Propene (5) | | | 1.72E+07 | 1.29E+08 | 9.6 | 12 | 0.861 U | 0.861 U | 172 U | 0.861 U | 0.861 U | 69 | 26 | 6.7 | 13 |
| Styrene | 38 | 285 | 8.52E+06 | 6.39E+07 | 2.13 U | 2.13 U | 2.13 U | 2.13 U | 426 U | 2.13 U | 3.2 | 2.13 U | 3.1 JV | 8.5 JV | 3.3 JV |
| Tetrachloroethene | 318 | 2385 | 1.36E+07 | 1.02E+08 | 3.39 U | 3.39 U | 3.39 U | 3.39 U | 678 U | 3.39 U | 13 | 120 | 200 | 6.78 U | 7.5 |
| Tetrahydrofuran | | | 1.18E+07 | 8.85E+07 | 5.9 U | 5.9 U | 5.9 U | 5.9 U | 1180 U | 5.9 U | 8.3 | 5.9 U | 5.9 U | 11.8 U | 5.9 U |
| Toluene | 860 | 6450 | 1.51E+07 | 1.13E+08 | 2.2 | 4.9 | 3.8 | 1.88 U | 377 U | 37 | 7.2 | 14 | 9.8 | 16 | 12 |
| trans-1,2-Dichloroethene | | | | | 1.98 U | 1.98 U | 1.98 U | 1.98 U | 396 U | 1.98 U | 1.98 U | 23 | 1.98 U | 3.96 U | 1.98 U |
| Trichloroethene | 84 | 630 | 1.07E+07 | 8.06E+07 | 2.69 U | 2.69 U | 2.69 U | 2.69 U | 537 U | 2.69 U | 2.69 U | 91 | 120 | 5.37 U | 2.69 U |
| Trichlorofluoromethane | 362 | 2715 | 1.12E+08 | 8.40E+08 | 2.81 U | 2.81 U | 2.81 U | 2.81 U | 562 U | 2.81 U | 4.3 | 2.81 U | 2.81 U | 5.62 U | 4.4 |
| MEDCUDY | | | | | | | | | 0.42.17 | | | | | | |
| MERCURY Notes: | | | | | | | | | 0.43 U | | | | | | |

Notes:

µg/m³ - Micrograms per cubic meter

U - Not detected

J - Estimated Concentration

V - qualifier added by the Data Validotor (Data Validation Services)

(1) Values are equal to the 90th percentile background indoor air value from the EPA 2001 BASE study, as provided by NYSDOH in Appendix C, Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October, 2006, multiplied by an attenuation factor of 20. This attenuation factor was obtained from NYSDOH (2006) as the factor applied to the lowest indoor air concentration in Decision Matrix 1 (0.25 ug/m³) which results in the lowest sub-slab vapor concentration of 5 ug/m³. If the compound was nondetect in background samples, the detection limit multiplied by 20 was used as a surrogate value.

(2) Values are equal to the 90th percentile background indoor air value from the EPA 2001 BASE study, as provided by NYSDOH in Appendix C, Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October, 2006, multiplied by 150, which is a conservative value within the range of attenuation factors measured in numerous studies (Mosley et al, 2004, Wertz & McDonald, 2004), as described in Section 3.2.1 of the report. If the compound was nondetect in background samples, the detection limit multiplied by 20 was used as a surrogate value.

(3) Values are equal to the Permissible Exposures Limits (PELs) presented by the Occupational Safety and Health Administration (OSHA) in Tables Z-1 and Z-2 of 29 CFR 1910.1000, last updated February 28, 2006, multiplied by an attenuation factor of 20. This attenuation factor was obtained from NYSDOH (2006) as the factor applied to the lowest indoor air concentration in Decision Matrix 1 (0.25 ug/m³) which results in the lowest sub-slab vapor concentration of 5 ug/m³.

(4) Values are equal to the Permissible Exposures Limits (PELs) presented by the Occupational Safety and Health Administration (OSHA) in Tables Z-1 and Z-2 of 29 CFR 1910.1000, last updated February 28, 2006, multiplied by an attenuation factor of 150, which is a conservative value within the range of attenuation factors measured in numerous studies (Mosley et al, 2004, Wertz & McDonald, 2004), as described in Section 3.2.1 of the report.

(5) OSHA does not present a PEL for Propene in CFR 1910.1000 Table Z-1 or Table Z-2 (updated February 28, 2006). However, the American Conference of Governmental Industrial Hygienists (ACGIH) presents an 8-hour time weighted average for Propene in TLVs and BEIs Based on the Documentation of the Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices (ACGIH, 2006).

Values in italics indicate that there was no background indoor air comparison value.

Values in bold and shaded indicate an exceedence of 20 times the background indoor air comparison values.

Values in **bold**, shaded and outlined indicate an exceedence of 150 times the background indoor air comparison values. No detected concentration exceeds the adjusted OSHA PELs. Table 1: Comparison of Detected Soil Vapor Concentrations to Adjusted Background Indoor Air Values and Adjusted OSHA PELs

| | | | | Sample Designation: | SV-6 DUP | SV-8 | SV-9 | SV-10 | SV-11 | SV-12 |
|--------------------------|--|---|---|--|------------------|------------------|------------------|-------------------|------------------|------------------|
| | | | | Sample Date: | 10/07/08 | 10/28/08 | 10/06/08 | 10/28/08 | 10/28/08 | 10/07/08 |
| Parameter | | | | Units: | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ | $\mu g/m^3$ |
| | Adjusted Background Air Concentrations (Attenuation Factor of 20) (1) | Adjusted Background Air Concentrations (Attenuation Factor of 150) (2) | Adjusted OSHA Permissible Exposure Limits (Attenuation Factor of 20) (3) | Adjusted OSHA Permissible Exposure Limits (Attenuation Factor of 150) (4) | | | | | | |
| 1.1.1-Trichloroethane | 412 | 3090 | 3.80E+07 | 2.85E+08 | 60 | 2.73 U | 2.73 U | 5457 U | 5239 U | 5350 U |
| 1.1-Dichloroethane | 14 | 105 | 8.00E+06 | 6.00E+07 | 2.02 U | 2.02 U | 2.02 U | 4047 U | 3886 U | 3970 U |
| 1,1-Dichloroethene | 28 | 210 | 1.58E+07 | 1.19E+08 | 2.02 U 1.98 U | 2.02 U 1.98 U | 2.02 U 1.98 U | 3965 U | 3806 U 3806 U | 3970 U 3890 U |
| 1,2,4-Trimethylbenzene | 28 190 | 1425 | 1.38E+07 | 1.19E+08 | 1.98 U 2.46 U | 1.98 0 | 4.3 | 4916 U | 4719 U | 4820 U |
| | | | | | | | | | | |
| 1,3,5-Trimethylbenzene | 74 | 555 | | | 2.46 U | 2.8 | 2.46 U | 4916 U | 4719 U | 4820 U |
| 1,3-Dichlorobenzene | 48 | 360 | 0.005.07 | 6 35D 03 | 3.01 U | 3.01 U | 8.4 | 6012 U | 5772 U | 5890 U |
| 1,4-Dichlorobenzene | 110 | 825 | 9.00E+06 | 6.75E+07 | 3.01 U | 8.4 | 55 | 6012 U | 5772 U | 5890 U |
| 2,2,4-Trimethylpentane | | | | | 140 | 4.7 | 2.34 U | 144830 | 60740 | 3100000 |
| 2-Butanone | 240 | 1800 | 1.18E+07 | 8.85E+07 | 2.95 U | 2.95 U | 2.95 U | 5898 U | 5603 U | 5900 U |
| 2-Hexanone | | | 8.20E+06 | 6.15E+07 | 4.1 U | 4.1 U | 4.9 | 8193 U | 7783 U | 8190 U |
| 2-Propanol | 5000 | 37500 | 1.96E+07 | 1.47E+08 | 4.92 U | 4.92 U | 4.92 U | 10078 U | 9587 U | 9590 U |
| 4-Ethyltoluene | 72 | 540 | | | 2.46 U | 2.46 U | 2.9 | 4916 U | 4719 U | 4820 U |
| Acetone | 1978 | 14835 | 4.80E+07 | 3.60E+08 | 11.9 U | 11.9 U | 43 | 23755 U | 22804 U | 23300 U |
| Benzene | 188 | 1410 | 6.39E+04 | 4.79E+05 | 3.8 | 14 | 2.6 | 26520 | 3067 U | 58000 |
| Carbon disulfide | 84 | 630 | 1.25E+06 | 9.34E+06 | 9.3 | 8.4 | 3.7 | 3114 U | 2989 U | 3050 U |
| Carbon tetrachloride | 26 | 195 | 1.26E+06 | 9.44E+06 | 3.15 U | 3.15 U | 3.15 U | 6291 U | 6040 U | 6170 U |
| Chloroform | 22 | 165 | 4.80E+06 | 3.60E+07 | 2.44 U | 2.44 U | 2.44 U | 4883 U | 4687 U | 4780 U |
| Chloromethane | 74 | 555 | 4.13E+06 | 3.10E+07 | 1.2 | 1.03 U | 1.03 U | 2065 U | 1982 U | 2020 U |
| cis-1,2-Dichloroethene | 38 | 285 | | | 1.98 U | 1.98 U | 1.98 U | 3965 U | 3806 U | 3890 U |
| Cyclohexane | | | 2.10E+07 | 1.58E+08 | 110 | 41 | 1.72 U | 413060 | 209970 | 2500000 |
| Dichlorodifluoromethane | 330 | 2475 | 9.90E+07 | 7.43E+08 | 2.47 U | 2.47 | 2.47 U | 4945 U | 4748 U | 4850 U |
| Ethyl Acetate | 108 | 810 | 2.80E+07 | 2.10E+08 | 1.8 U | 1.8 U | 1.8 U | 3604 U | 3460 U | 3530 U |
| Ethylbenzene | 114 | 855 | 8.70E+06 | 6.53E+07 | 2.17 U | 7 | 3.5 | 4342 U | 4169 U | 8700 |
| Heptane | | | 4.00E+07 | 3.00E+08 | 32 | 14 | 2.05 U | 4098 U | 3934 U | 860000 |
| Hexane | | | 3.60E+07 | 2.70E+08 | 110 | 71 | 8.8 | 493440 | 38770 | 6000000 |
| m+p-Xylene | 444 | 3330 | 8.70E+06 | 6.53E+07 | 4.34 U | 14 | 7.4 | 8684 U | 8250 U | 8680 U |
| Methylene Chloride | 200 | 1500 | 1.74E+06 | 1.30E+07 | 27 | 3.1 | 4.5 | 3474 U | 3335 U | 3400 U |
| o-Xylene | 158 | 1185 | 8.70E+06 | 6.53E+07 | 2.17 U | 6.5 | 2.17 U | 4342 U | 4169 U | 4260 U |
| Propene (5) | 150 | 1105 | 1.72E+07 | 1.29E+08 | 2.17 0 | 13 | 0.861 U | 1721 U | 1652 U | 1690 U |
| Styrene | 38 | 285 | 8.52E+06 | 6.39E+07 | 2.13 U | 2.13 U | 3 | 4260 U | 4089 U | 4170 U |
| Tetrachloroethene | 318 | 2385 | 1.36E+07 | 1.02E+08 | 18 | 3.39 U | 3.39 U | 4200 U 6782 U | 4089 U 6511 U | 6650 U |
| Tetrahydrofuran | 510 | 2303 | 1.36E+07 1.18E+07 | 8.85E+07 | 5.9 U | 5.9 U | 5.9 U | 12092 U | 11502 U | 11500 U |
| Toluene | 860 | 6450 | 1.18E+07 1.51E+07 | 8.85E+07 1.13E+08 | 4.9 | 5.9 U 18 | 5.9 U 11 | 12092 U 3769 U | 3618 U | 3690 U |
| trans-1.2-Dichloroethene | 800 | 0450 | 1.31E+07 | 1.13E+06 | 4.9 1.98 U | 18 1.98 U | 11 1.98 U | 3769 U 3965 U | 3618 U 3806 U | 3890 U 3890 U |
| Trichloroethene | 84 | 630 | 1.07E+07 | 8.06E+07 | 1.98 U 2.69 U | 1.98 U 2.69 U | 1.98 U 2.69 U | 3965 U 5374 U | 3806 U 5159 U | 3890 U 5270 U |
| | | | | | | | | | | |
| Trichlorofluoromethane | 362 | 2715 | 1.12E+08 | 8.40E+08 | 2.81 U | 3.4 | 2.81 U | 5618 U | 5394 U | 5510 U |
| MERCURY | | | | | | | 0.433 U | | | |

Notes:

 $\mu g/m^3$ - Micrograms per cubic meter

U - Not detected

J - Estimated Concentration

V - qualifier added by the Data Validotor (Data Validation Services)

(1) Values are equal to the 90th percentile background indoor air value from the EPA 2001 BASE study, as provided by NYSDOH in Appendix C, Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October, 2006, multiplied by an attenuation factor of 20. This attenuation factor was obtained from NYSDOH (2006) as the factor applied to the lowest indoor air concentration in Decision Matrix 1 (0.25 ug/m³) which results in the lowest sub-slab vapor concentration of 5 ug/m³. If the compound was nondetect in background samples, the detection limit multiplied by 20 was used as a surrogate value.

(2) Values are equal to the 90th percentile background indoor air value from the EPA 2001 BASE study, as provided by NYSDOH in Appendix C, Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October, 2006, multiplied by 150, which is a conservative value within the range of attenuation factors measured in numerous studies (Mosley et al, 2004, Wertz & McDonald, 2004), as described in Section 3.2.1 of the report. If the compound was nondetect in background samples, the detection limit multiplied by 20 was used as a surrogate value.

(3) Values are equal to the Permissible Exposures Limits (PELs) presented by the Occupational Safety and Health Administration (OSHA) in Tables Z-1 and Z-2 of 29 CFR 1910.1000, last updated February 28, 2006, multiplied by an attenuation factor of 20. This attenuation factor was obtained from NYSDOH (2006) as the factor applied to the lowest indoor air concentration in Decision Matrix 1 (0.25 ug/m³) which results in the lowest sub-slab vapor concentration of 5 ug/m³.

(4) Values are equal to the Permissible Exposures Limits (PELs) presented by the Occupational Safety and Health Administration (OSHA) in Tables Z-1 and Z-2 of 29 CFR 1910.1000, last updated February 28, 2006, multiplied by an attenuation factor of 150, which is a conservative value within the range of attenuation factors measured in numerous studies (Mosley et al, 2004, Wertz & McDonald, 2004), as described in Section 3.2.1 of the report.

(5) OSHA does not present a PEL for Propene in CFR 1910.1000 Table Z-1 or Table Z-2 (updated February 28, 2006). However, the American Conference of Governmental Industrial Hygienists (ACGIH) presents an 8-hour time weighted average for Propene in TLVs and BEIs Based on the Documentation of the Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices (ACGIH, 2006).

Values in italics indicate that there was no background indoor air comparison value.

Values in bold and shaded indicate an exceedence of 20 times the background indoor air comparison values. Values in bold, shaded and outlined indicate an exceedence of 150 times the background indoor air comparison values.

No detected concentration exceeds the adjusted OSHA PELs.

| Parameter | 25% Methane LEL (1) | Sample Designation: Sample Date: | Ambient Air 1 10/06/08 | Ambient Air 2 10/07/08 | Ambient Air 3 10/28/08 | Ambient Air 4 10/29/08 | SV-1 10/28/08 | SV-2 10/29/08 | SV-3 10/07/08 | SV-4 10/06/08 | SV-4 DUP 10/07/08 | SV-5 10/06/08 | SV-6 10/06/08 | SV-6 DUP 10/07/08 | SV-8 10/28/08 | SV-9 10/06/08 | SV-10 10/28/08 | SV-11 10/28/08 | SV-12 10/07/08 |
|-----------------------------------|------------------------|-------------------------------------|---------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------|----------------------|----------------------|----------------------|--------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------|--------------------------|-----------------------|-----------------------|
| | ppmv | Units: | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv | ppmv |
| Carbon Dioxide Carbon Monoxide | | | 440.5 10 U | 434.5 10 U | 435 10 U | 520 10 U | 32890 10 U | 553.5 10 U | 27640 10 U | 3023 10 U | 2959 10 U | 454 10 U | 1291 10 U | 1146 10 U | 3495 10 U | 41180 10 U | 84780 10 U | 12070 10 U | 99170 10 U |
| Hydrogen | | | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U | 246 U |
| Methane | 12500 | | 9.92 U | 9.92 U | 9.92 U | 9.92 U | 130200 | 9.92 U | 9.92 U | 9.92 U | 9.92 U | 25.63 | 52.31 | 57.99 | 9.92 U | 9.92 U | 412500 | 244800 | 159200 |
| Nitrogen Oxygen | | | 759000 201800 | 728500 201800 | 744400 193000 | 775200 197500 | 748800 110100 | 735500 208100 | 775500 132400 | 715200 193400 | 785500 199600 | 784700 199300 | 754500 199300 | 742600 204800 | 747200 191900 | 774000 159800 | 422300 13350 | 718500 14840 | 647900 46780 |

Notes:

(1) Twenty-five percent of the methane lower explosive limit was used for comparison purposes. There is no regulatory limit set for methane.

ppmv - Parts per million/volume Values in bold and shaded indicate exceedence of 25% of the LEL (12,500 ppmv).

U - Not detected

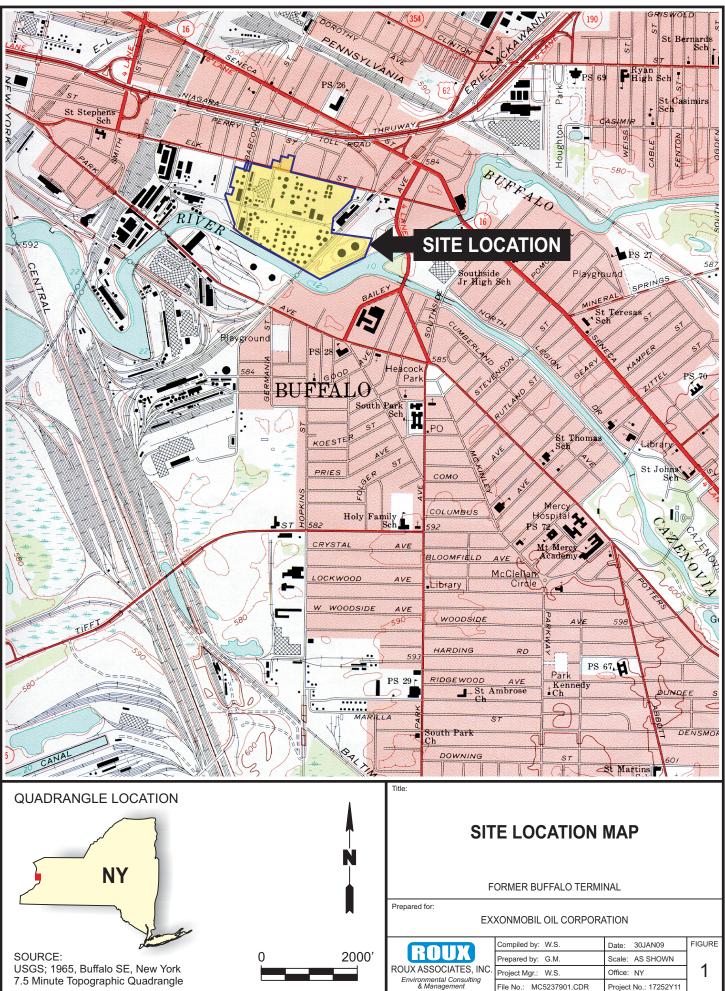
Table 3: Summary of Exceedences of Comparison Values and Rationale for Further Sampling Former ExxonMobil Terminal, Buffalo, NY

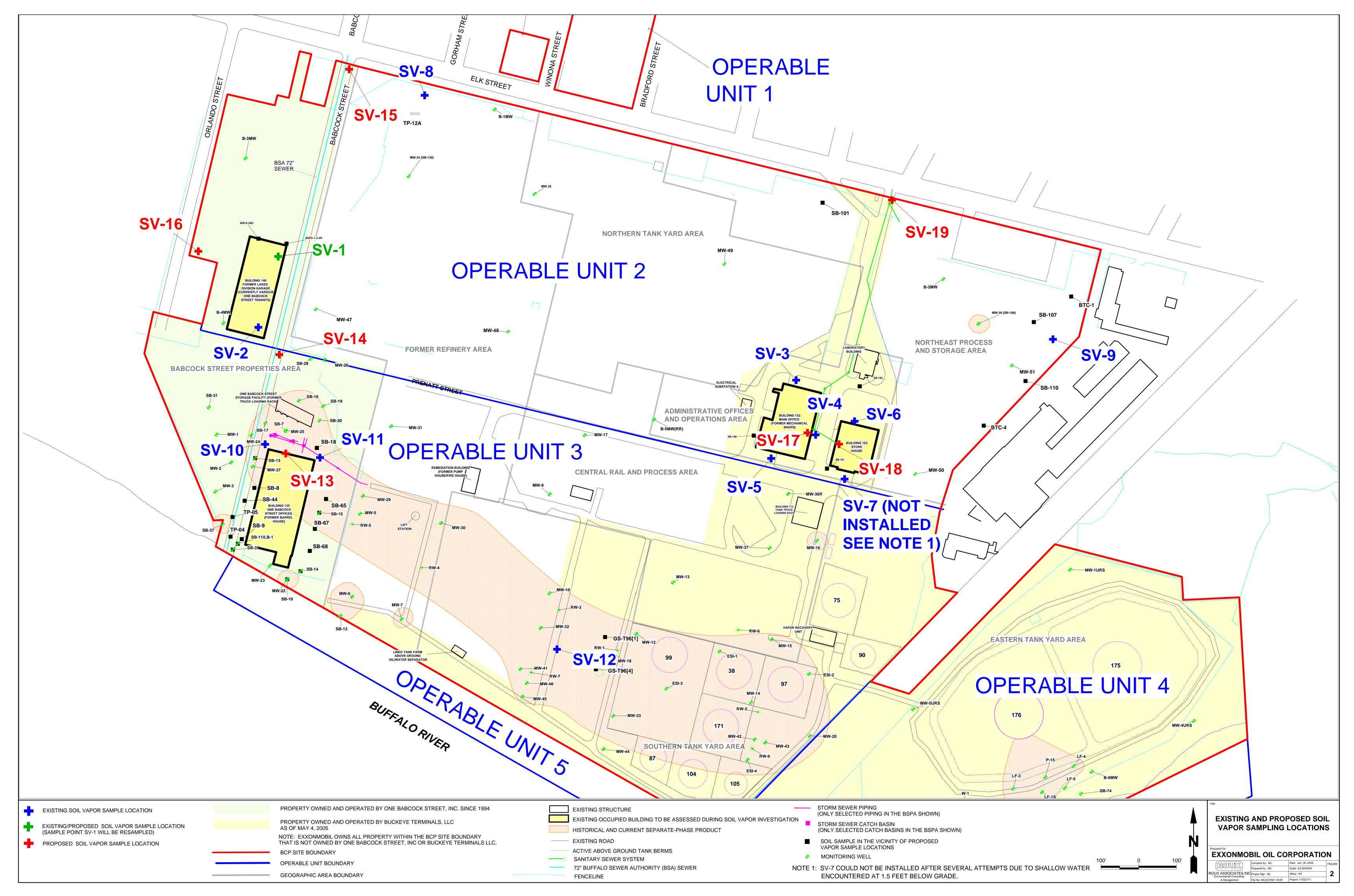
| r ormer Exx | ner ExxonMobil Terminal, Buffalo, NY Detected Values Exceed (1): | | | | | | | |
|--------------------------------|--|-------------------|--------------------|--------------|--------------|-----------------------------------|-----------|--|
| | | Background | Background | OSHA PEL | OSHA PEL | Methane Screening | Additonal | |
| Sample | Rationale for Selection of Location | Indoor Air Value | Indoor Air Value | (Adjusted by | (Adjusted by | Level (25 %-LEL; 12,500 ppmv)? | Sampling | Rationale for Selection of Sampling Location |
| Designation: | -Determine Ambient Air Levels | (Adjusted by 20)? | (Adjusted by 150)? | 20)? | 150)? | 12,500 ppinv): | Location | Location |
| Ambient Air 1 Ambient Air 2 | -Determine Ambient Air Levels | | | | | | | |
| Ambient Air 2 Ambient Air 3 | -Determine Ambient Air Levels | | | | | | | |
| Ambient Air 4 | -Determine Ambient Air Levels | | | | | | | |
| SV-1 | Subslab point beneath the northern portion of Building 140. Near area of highest VOC and mercury concentrations at BSPA-1-2-3/0 and BSPA-3/83. Underneath the most occupied portion of the building. | | | | | X | SV-1 | Due to elevated detection limits at SV-1, resample soil vapor at SV-1 for VOCs and methane. SV-1 will also undergo forensic analysis for evaluation of methane., and indoor air in Building 140 will be screened for methane with an LEL meter. |
| SV-2 | Subslab point beneath the southeastern portion of Building 140. Adjacent to the 72-inch BSA sewer and north of the product plume in OU-3. To assess the potential for vapor migration to offsite areas to the west. | | | | | | | No further evaluation as no exceedences |
| SV-3 | North of Building 152 Near storm sewer piping that could act as a preferential pathway for soil vapor. | | | | | | SV-17 | Will be collected beneath the multi-purpose room in Building 152 near the location of former sample SV-4. |
| | Located between Buildings 152 and 153. In vicinity of storm sewers that may be a preferential pathway from potential source areas to the south including impract in the vicinity of the second background second second | | | | | | SV-17 | Will be collected beneath the multi-purpose room in Building 152 near the location of former sample SV-4. Will be collected to assess potential impacts at |
| SV-4 and SV-4 DUP | the south, including impacts in the vicinity of the Tank Truck Loading Rack. | Х | Х | | | | SV-18 | Building 153 due to vapor transport along the |
| | | | | | | | SV-19 | Will be collected to assess transport of vapors along the sewer line to Elk Street. |
| SV-5 | South of the building. Near electrical and signal conduit that may be a preferential migration pathway from potential source areas to the south, including impacts in the vicinity of the Tank Truck Loading Rack. | | | | | | | No further evaluation as no exceedences |
| SV-6 | North of the building. Located downgradient of soil sample SB-192 that indicated stained soils, PID readings exceeding 100 ppm and petroleum constituents at a shallow depth (0-2 feet below land surface). | | | | | | SV-18 | No further sampling will be conducted based on SV-6 results; however, SV-18 will be collected to assess potential impacts at Building 153 due to vapor transport along the sewer line. |
| SV-6 DUP | | | | | | | | |

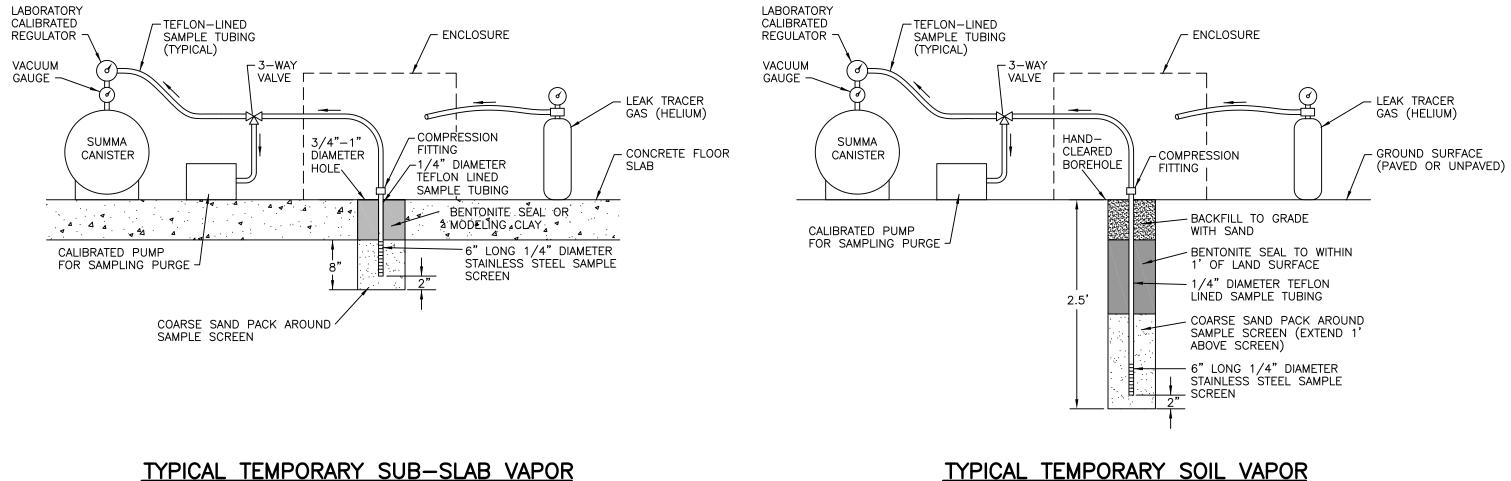
Table 3: Summary of Exceedences of Comparison Values and Rationale for Further Sampling Former ExxonMobil Terminal, Buffalo, NY

| FORMER EXX | onMobil Terminal, Buffalo, NY | | D-44 | J Volues E. | J (1). | | | |
|--------------|---|--------------------------------|--------------------------------|--------------------------|--------------------------|---------------------------------------|------------------------|---|
| | | | Detect | ed Values Excee | a (1): | | | |
| Sample | | Background Indoor Air Value | Background Indoor Air Value | OSHA PEL (Adjusted by | OSHA PEL (Adjusted by | Methane Screening Level (25 %-LEL; | Additonal Sampling | Rationale for Selection of Sampling |
| Designation: | Rationale for Selection of Location | (Adjusted by 20)? | (Adjusted by 150)? | 20)? | 150)? | 12,500 ppmv)? | Location | Location |
| SV-8 | Located in the main entrance road to the Site in the AOOA in an area where VOCs were detected in soil. In the vicinity of the sanitary sewer pipe that extends from Buildings 152 and 153 in OU-2 to Elk Street and could be a preferential pathway. To assess the potential for vapor migration to offsite areas to the north. | | | | | | | No further evaluation as no exceedences |
| SV-9 | Near eastern edge of OU-2/Site boundary in Northeast Process and Storage Area. Between SB-107 and the Site boundary, which had petroleum odor, black staining and sheen above the water table and relatively high VOCs and TPH.'- Subslab point beneath the northern portion of the building. Near area of highest VOC and mercury concentrations in OU-2 at BTC-4. | | | | | | | No further evaluation as no exceedences |
| SV-10 | Northwest corner of the Building. Within area of product plume to evaluate the potential for vapor generation in product areas. Near storm sewer piping. | X | | | | X | SV-13 | Sample sub-slab soil vapor beneath the occupied office space. SV-13 will also undergo forensic analysis for evaluation of methane. |
| SV-11 | Northeast corner of the Building. Within area of product plume to evaluate the potential for vapor generation in product areas. Near storm sewer piping. | | | | | X | SV-13, SV-14, SV-15 | Will be collected adjacent to the Babcock Street Municipal Sewer Line |
| SV-12 | -Characterization of the potential for soil vapor generation in separate-phase product areas | X | | | | X | | |

Notes: (1) Tables 1 and 2 provide the comparisons of all detected concentrations to adjusted indoor air and methane values.

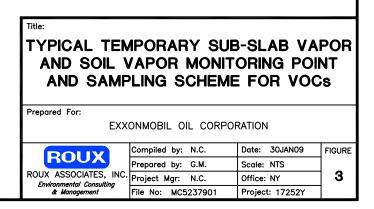






TYPICAL TEMPORARY SUB-SLAB VAPOR MONITORING POINT FOR VOCs

MONITORING POINT FOR VOCs



APPENDIX A

Soil Vapor Sampling Field Forms

| Appendix A | |
|--|---------------|
| Soil Vapor Sampling Form ExxonMobil Former Buffalo Terminal | |
| Date: 10.78.08 Time: 75D Sampled By: 1P Sampling Identification #: 5U-1 Summa Canister Identification #: 13.479 Flow Regulator ID # 735.58 Analysis Uo C | |
| Weather (general description): 19 39 Own Cast | |
| Temperature: 39° Humidity: 78% | |
| Wind Magnitude: 16-2 Wind Direction: WWW | |
| Barometric Pressure: 29.93 Barometer Falling Astrop(circle one) | |
| Site Condition (i.e. any adjacent facilities, vent pipes, tanks, etc. and what type of basements are present) | |
| | |
| Sample Purge and Leak Tracer Test: Calibrate the Helium detection meter Purge Rate: 0.19 //www.Must be less than 0.2 L/min Purge Time: 75 500 note : Assuming 0.17" I.D. tubing purge 15 sec. for every Helium Rate at enclosure: 4×10-3 Helium Rate from sample tubing: 0 Is this rate <20% of the rate at the enclosure from sample tubing: 0 If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapp | - - |
| Sample Collection for VOCs; | |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. | vapor sample |
| Finishing pressure should be within 0.5 - 4 " of Hg | |
| Starting Pressure: 30 ^{°°} in. of Hg Starting Time: <u>30</u> Ending Time: <u>1610</u> Ending Pressure: 10°° in. of Hg | |
| Sample Collection for Mercury: | |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil can be collected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge | , , |
| Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent initial calibration must be replaced with a new tube immediately prior to sampling) | tube used for |
| Pre-sampling pump flow rate: ml/min Starting Time: | |
| Ending Time:ml/min | |

| Appendix A | |
|---|--|
| Soil Vapor Sampling Form | |
| ExxonMobil Former Buffalo Terminal | |
| 11-5-08 | |
| Date: 1990 | |
| Sampled By: TP | |
| Sampling Identification #: SV-1 | |
| Summa Canister Identification #: | |
| Flow Regulator ID # | |
| Analysis Mencury | ni ^{la} |
| Weather (general description) : | len |
| Temperature: V | Humidity: 87% |
| Wind Magnitude: | Wind Direction: |
| Barometric Pressure: 30- | Barometer Falling #Using (circle one) |
| Site Condition (i.e. any adjacent facilities, vent pipes, tanks, e | etc. and what type of basements are present) |
| · · · · · · · · · · · · · · · · · · · | |
| Sample Purge and Leak Tracer Test: | |
| Calibrate the Helium detection meter | |
| Purge Rate: Purge Time: | Must be less than 0.2 L/min |
| Helium Rate at enclosure: | note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubing |
| Helium Rate from sample tubing: | ls this rate <20% of the rate at the enclosure Yes |
| If the Helium readings have a greater ratio than 20% | the seals should be rechecked and the tracer gas should be reapplied. |
| in the relient readings have a greater rate than 20 % | and seals should be recilected and the tracel gas should be reapplied. |
| Sample Collection for VOCs: | |
| Once the tracer gas screening procedures are completed and no can be collected in a lab certified | short-circuiting is determined to be present at the location, the soil vapor sample clean summa canister at a rate less than 0.2 L/min. |
| Finishing pressu | re should be within 0.5 - 4 " of Hg |
| | |
| · | |
| Starting Pre Starting | |
| | g Time: |
| Ending Pre | |
| Sample Collection for Mercury: | |
| Once the tracer gas screening procedures are completed and no can be collected with a sample train consisting of a | short-circuiting is determined to be present at the location, the soil vapor sample calibrated sample pump, solid sorbent tube and MCE filter cartridge |
| initial calibration must be replace | complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for a dwith a new tube immediately prior to sampling) $_{m} ho$ LFM 138 |
| Pre-sampling pump flo | wrate: 209.5 ml/min |
| Starting | |
| Ending | Time: |
| Post-sampling pump flor | w rate:ml/min |
| . 0 | |
| Field B | laule started @ 833 |
| | com 6tel @ 1635 |
| | $L(m) \rightarrow (l(0))$ |

Appendix A

| oendix A | | | | |
|--|--|---|---|-----------------------------------|
| | | · · · · · · · · · · · · · · · · · · · | | |
| Vapor Sampling Form | T | | | |
| conMobil Former Buffalo | | | | |
| | Date: 10-7-08 | | | |
| | Time: <u>150</u> | | | |
| | ation #: 57-3 | | | |
| Sampling Identifica Summa Canister Identifica | | · · | | |
| Flow Regula | tor ID # 541-12 | 1 | | |
| Ā | nalysis VCC | | | |
| 147 11- | er (general description) : _ | aen | | |
| weathe | Temperature: | 310 Hum | | |
| | Wind Magnitude: | 3 Wind Direc | alling Rising (circle one) | 1 |
| , - | Barometric Pressure: | | | |
| te Condition (i.e. any adja | cent facilities, vent pipes, | tanks, etc. and what type c | f basements are present) | |
| | | ······································ | | |
| | | ······································ | | |
| ample Purge and Leak Tra alibrate the Helium detectio | acer rest. | - iC | tt an 0.01/min | |
| alibrate the Helium detection | Purge Rate: | 0.15 Must be les | s than 0.2 L/min mine 0.17" I.D. tubing purge | 15 sec. for every 10 ft of tubing |
| | Purge Time: | | • | |
| + | felium Rate at enclosure: | Is this rate | <20% of the rate at the enclo | sure Yes |
| Helium | Rate from sample tubing: | | | |
| If the Heljum rea | adings have a greater ratio t | han 20% the seals should be | recnecked and the fidoor ge | |
| | s | tarting Pressure: 29 | in. of Hg | |
| Sample Collection for Mer Once the tracer gas scree can be coller Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mus | Ending Pressure:4 eted and no short-circuiting is issisting of a calibrated sample ling with the complete sample st be replaced with a new tube ng pump flow rate: Starting Time: | in. of Hg determined to be present at t pump, solid sorbent tube an train in line to a flow rate of 2 | 10 milmin (sorbent tube used i |
| Sample Collection for Mer Once the tracer gas scree can be collec Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at t pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to samplir | 10 ml/min (sorbent tube used f |
| Sample Collection for Mea Once the tracer gas scree can be collec Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 160 Ending Pressure: 160 eted and no short-circuiting is asisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Men Once the tracer gas scree can be coller Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Men Once the tracer gas scree can be coller Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Men Once the tracer gas scree can be coller Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Mea Once the tracer gas scree can be coller Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Mea Once the tracer gas scree can be coller Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Mea Once the tracer gas scree can be collec Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Mer Once the tracer gas scree can be collec Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Me Once the tracer gas scree can be collec Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Mea Once the tracer gas scree can be collec Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Mer Once the tracer gas scree can be collec Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Mea Once the tracer gas scree can be collec Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Mea Once the tracer gas scree can be collect Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |
| Sample Collection for Mea Once the tracer gas scree can be collec Pump shall be field calibr | rcury: ning procedures are comple cted with a sample train cor ated before and after sampl initial calibration mu Pre-samplir | Starting Time: 5: Ending Time: 66 Ending Pressure: 66 eted and no short-circuiting is isisting of a calibrated sample ing with the complete sample st be replaced with a new tube of pump flow rate: 67 Starting Time: 67 Ending Time: | in. of Hg determined to be present at the pump, solid sorbent tube an train in line to a flow rate of 2 e immediately prior to sampling ml/min | 10 ml/min (sorbent tube used f |

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| ppendix A | | ······································ | - | |
| oil Vapor Sampling Form | | | | |
| xxonMobil Former Buffalo Terminal | | | | |
| 10.1.01 | | | | |
| Date: 10-6-08 | | | | |
| Time: <u>805</u> | | | | ÷ |
| Sampled By: TP | | | | |
| Sampling Identification #: 50-4 | | | | , |
| Summa Canister Identification #: 790% Flow Regulator ID # 723 4750 | <u>-</u> | | | |
| Flow Regulator ID # <u>723 4750</u> Analysis VOC | <u> </u> | | | |
| Alialysis VUC | | | | |
| Weather (general descriptio | n): Parth (| -uny | | |
| Temperati | | Humidity: 66 | | |
| Wind Magnitu | de: 10 | Wind Direction: <u>NN</u> | | |
| Barometric Press | ire: <u>30,40</u> | Barometer Falling (Rising) | circle one) | |
| ite Condition (i.e. any adjacent facilities, vent p | ipes, tanks, etc. and | what type of basements a | are present) | |
| | | · · · · · · · · · · · · · · · · · · · | | |
| ample Purge and Leak Tracer Test: | | <u> </u> | | · . |
| calibrate the Helium detection meter | . | | | |
| Purge R | ate: 0.15 | Must be less than 0.2 L/mi | n | - 40 ft of hubion |
| Purge Ti | | note : Assuming 0.17" I.D. | tubing purge 15 sec. to | or every to it of tubing |
| Helium Rate at enclose | | mL/S | | (And) |
| Helium Rate from sample tub | ing:O | Is this rate <20% of the rat | e at the enclosure | (Tes) |
| If the Helium readings have a greater ra | itio than 20% the seal | s should be rechecked and | the tracer gas should | be reapplied. |
| ample Collection for VOCs: | <u> </u> | <u> </u> | | |
| Once the tracer gas screening procedures are com | weted and no short-c | ircuiting is determined to be | e present at the locatio | n, the soil vapor sample |
| can be collected in | a lab certified clean su | mma canister at a rate les | s than 0.2 L/min. | |
| Fi | nishing pressure shou | ild be within 0.5 - 4 " of Hg | | |
| | | 29 C | | |
| | Starting Pressure: | in. of Hg | | |
| | Starting Time: | | | |
| | Ending Time: | | | |
| · · | Ending Pressure: | HD in. of Hg | | ÷ |
| Sample Collection for Mercury: | + | | | |
| Once the tracer gas screening procedures are cor can be collected with a sample train | npleted and no short-c consisting of a calibra | ircuiting is determined to b ted sample pump, solid so | e present at the locatic bent tube and MCE filt | m, the soil vapor sample er cartridge |
| | | | | |
| Pump shall be field calibrated before and after sa initial calibration | mpling with the comple must be replaced with | ete sample train in line to a a new tube immediately pr | ior to sampling) | (solden tube about for |
| | | | | |
| Presam | pling pump flow rate | :ml/min | | |
| , , , , , , , , , , , , , , , , , , , | Starting Time | • | | |
| | Ending Time | | | |
| Post-sam | pling pump flow rate | :ml/min | | |
| | <u>.</u> | | | |
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| Duplicate 2 | laken | ON 10/7 | | |
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| pendix A | |
|--|---|
| Vapor Sampling Form | |
| conMobil Former Buffalo Terminal | |
| Date: 10-6-01 | K |
| Time: 529 | |
| Sampled By: | p |
| Sampling Identification #: | 5 |
| Summa Canister Identification #: 740 | |
| Flow Regulator ID # 72 | -9530 |
| Analysis <u>VOC</u> | |
| and the second dependent | ion. Parth Climb |
| Weather (general descripti Tempera | ature de l'annoise de la company |
| Wind Magni | Wind Direction: W/V C |
| Barometric Pres | sure: 30.40 Barometer Falling Hising (circle one) |
| - | |
| te Condition (i.e. any adjacent facilities, vent | pipes, tanks, etc. and what type of basements are present) |
| | |
| | |
| ample Purge and Leak Tracer Test: | |
| alibrate the Helium detection meter | Rate: 0.15 Must be less than 0.2 L/min |
| Purge | |
| Purge Helium Rate at enclo | |
| Helium Rate at encir Helium Rate from sample to | Julio //es / |
| Henum Rate from sample to | asing |
| If the Helium readings have a greater | r ratio than 20% the seals should be rechecked and the tracer gas should be reapplied. |
| | |
| ample Collection for VOCs: | the he magent at the location, the soil vapor sample |
| Once the tracer gas screening procedures are c | completed and no short-circuiting is determined to be present at the location, the soil vapor sample in a lab certified clean summa canister at a rate less than 0.2 L/min. |
| | |
| | Finishing pressure should be within 0.5 - 4 " of Hg |
| | |
| | 20 |
| | Starting Pressure: 30in. of Hg |
| | Starting Pressure:in. of Hg Starting Time: |
| · · · | Starting Time: <u>940</u> Starting Time: <u>1480</u> |
| · · · | Starting Time: <u>%40</u> |
| Sample Collection for Mercury: | Starting Pressure: |
| Sample Collection for Mercury: | Starting Pressure: <u>940</u> Starting Time: <u>940</u> Ending Time: <u>1900</u> Ending Pressure: <u>40</u> in of Hg |
| Once the tracer gas screening procedures are to | Starting Pressure: |
| Once the tracer gas screening procedures are to | Starting Pressure: |
| Once the tracer gas screening procedures are can be collected with a sample tra | Starting Pressure: <u>340</u> Ending Time: <u>400</u> Ending Pressure: <u>400</u> in. of Hg completed and no short-circuiting is determined to be present at the location, the soil vapor sample ain consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge |
| Once the tracer gas screening procedures are can be collected with a sample tra | Starting Pressure: <u>340</u> Ending Time: <u>400</u> Ending Pressure: <u>400</u> in. of Hg completed and no short-circuiting is determined to be present at the location, the soil vapor sample ain consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge |
| Once the tracer gas screening procedures are can be collected with a sample tra | Starting Pressure: |
| Once the tracer gas screening procedures are can be collected with a sample tra Pump shall be field calibrated before and after initial calibration | Starting Pressure: <u><u>340</u> Ending Time: <u><u>400</u></u> Ending Pressure: <u><u>400</u></u> in. of Hg completed and no short-circuiting is determined to be present at the location, the soil vapor sampl ain consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used fo on must be replaced with a new tube immediately prior to sampling)</u> |
| Once the tracer gas screening procedures are can be collected with a sample tra Pump shall be field calibrated before and after initial calibration | Starting Pressure: <u><u>940</u> Ending Time: <u><u>940</u></u> Ending Pressure: <u><u>400</u></u> in. of Hg completed and no short-circuiting is determined to be present at the location, the soil vapor sampl ain consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for on must be replaced with a new tube immediately prior to sampling)</u> |
| Once the tracer gas screening procedures are can be collected with a sample tra Pump shall be field calibrated before and after initial calibration Pre-sa | Starting Pressure: |
| Once the tracer gas screening procedures are can be collected with a sample tra Pump shall be field calibrated before and after initial calibration Pre-sa | Starting Pressure: <u><u>940</u> Ending Time: <u><u>940</u></u> Ending Pressure: <u><u>400</u></u> in. of Hg completed and no short-circuiting is determined to be present at the location, the soil vapor sampl ain consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for on must be replaced with a new tube immediately prior to sampling)</u> |

| ppendix A | | | | | | |
|---|--|--------------------------------------|----------------------------------|-----------------------|--|--|
| oil Vapor Sampling Form xxonMobil Former Buffalo Terminal | - | | | | | |
| | 1-6-08 | | | | | |
| Date: | | | | | | |
| Time: Sampled By: | 0 | | | | | |
| Sampled By Sampling Identification #: | 51-6 | | | | | |
| Summa Canister Identification #: | 5113 | | | | | |
| Flow Regulator ID # | 73406-N | | | | | |
| Analysis | VOC_ | 0.1 | ~ 1 | • | | |
| Weather (general o | escription) : | Parsh | | | | |
| | Temperature: | 47 | Humidity | | _ | · · · |
| | d Magnitude: | | Wind Direction arometer Falli | ng (circle | one) | |
| | tric Pressure: | | | | | |
| ite Condition (i.e. any adjacent facilitie | es, vent pipes, ta | nks, etc. and w | hat type of b | asements are pro | esent) | |
| | ······································ | | | <u></u> | | |
| | | | | AVERA OU | mp AEL | LEMION |
| ample Purge and Leak Tracer Test: | | | | prop fr | | |
| alibrate the Helium detection meter | Purge Rate: | 015 | lust be less th | an 0.2 L/min | . – | 10 2 - 5 |
| | Purge Time: | | | g 0.17" I.D. tubing | purge 15 sec. f | or every 10 ft of tubing |
| Helium Rate | at enclosure: | 2×10-3 | mL/S | % of the rate at th | e enclosure | (Yes) |
| Helium Rate from sa | | | * | | | \sim |
| If the Helium readings have a | greater ratio than | 20% the seals | should be rec | hecked and the tr | acer gas should | be reapplied. |
| | | | | | | |
| Sample Collection for VOCs: Once the tracer gas screening procedur | | | cuiting is dete | rmined to be pres | ent at the locatio | on, the soil vapor samp |
| Once the tracer gas screening procedur | es are completed a pliected in a lab ce | nd no snort-cir rtified clean sur | nma canister a | at a rate less than | 0.2 L/min. | |
| | | | | | | |
| | Finishing | pressure shoul | 1 be within 0.5 | 1-4 of Hig | | |
| | | | 20 | | | |
| | | ing Pressure: | | in. of Hg | | |
| | | Starting Time: Ending Time: | <u> </u> | 12 | | |
| | | ing Pressure: | <u> </u> | in. of Hg | | |
| Sample Collection for Mercury: | | | | | | |
| Once the tracer gas screening procedu can be collected with a sa | es are completed | and no short-ci | rcuiting is dete | ermined to be pres | sent at the location to the sent at the location to the sent the sent the sent to the sent | on, the soil vapor sam Iter cartridge |
| can be collected with a sa | mple train consist | ng of a calibrat | | | | · / |
| Pump shall be field calibrated before a | nd after sampling v | vith the comple | ie sample train | n in line to a flow r | ate of 210 mi/mi | n (sorbent tube used |
| initial of | alibration must be | replaced with | a new tube imi | mediately phor to | sampling/ | |
| | | | | | | |
| | Pre-sampling p | imp flow rate: | | m!/min | | |
| | - | Starting Time: | | · | | |
| | Post-sampling p | Ending Time: imp flow rate: | ,,,, | ml/min | | |
| - | rusesamping p | | | | | |
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| Duplicate 1 | taren | 5 | · · / / | | | |
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Appendix A

| Soli Vapor Sampling Form ExconMobil Former Buffalo Terminal Date: 10.7464 Trime: Sample Dy: 11. Date: 10.7464 Trime: Sample Dy: 11. Date: 10.7464 Trime: Sample Dy: 11. Weather (general description): 11. Weather (general description): 11. Weather (general description): 11. Weather (general description): 12. Weather (general description): 12. Wind Magnitude: 12.23 Wind Magnitude: 12.23 Barometer Falling Keengelander on a solitation of the solitation must be a solitation on a solitation must be a solitation on a solitation must be a solitation on a solitation of the soli |
|---|
| Date: 10.245 M Sampling Identification # 31.515 F Summa Canister Identification # 31.515 F Marking Market Pressure: 31.515 F Marking Market Pressure: 31.515 F Ste Condition (I.e. any adjacent facilities, vent pipes, tanks, etc. and what type of basements are present) Sample Purge and Losk Tracer Test: Calibrate the Helium date from sample tubing: 755.52 C Purge Rate: 0.16 M/s/Must be less than 0.2 L/min Purge Rate: 0.16 M/s/Must be less than 0.2 L/min Purge Time: 755.52 note : Assuming 0.17* I.D. tubing purge 15 sec. for every 10 ft of tubing Helium Rate from sample tubing: 0 16 this rate <20% of the rate at the enclosure |
| Sample displaysing the sample display |
| Sample By: Summa Canister identification # |
| Sampling identification if |
| Flow Regulator ID # |
| Analysis |
| Weather (general description): Wind Magnitude: Humidity: Triggenerature: Wind Magnitude: Wind Direction: Wind Direction: Wind Direction: Barometer Pressure: DQ_4_5 |
| Temperature: Wind Magnitude: Wind Direction: Wind Carebook Barometirc Pressure: Direction: Wind Direction: Wind Carebook Barometirc Pressure: Direction: Wind Direction: Wind Direction: Sample Purge and Loak Tracer Test: Direction: Direction: Wind Direction: Sample Purge and Loak Tracer Test: Direction: Direction: Direction: Sample Purge and Loak Tracer Test: Direction: Direction: Direction: Barometer Flaing Purge Rate: Diference Diference Helium Rate at enclosure: Diference Diference Diference Helium Rate at enclosure: Diference Diference Diference Helium Rate at enclosure: Diference Diference Diference Helium Rate from sample tubing: Diference Is this rate <20% of the rate at the enclosure |
| Wind Magnitude: 10.13 Wind Direction: Minute: Barometric Pressure: 29.45 Barometer Falling Petroperion: Barometric Pressure: 29.45 Barometer Falling Petroperion: Barometer Falling Purge and Leak Tracer Test: Sample Purge and Leak Tracer Test: Calibrate the Helium detection meter Purge Rate: 75.522 Helium Rate at enclosure: 34.10-3 Test 20% of the rate at the enclosure: If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied. Sample Collection for VOCS: Is this rate <20% of the rate at the location, the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. |
| Barometric Pressure: 99.95 Barometer Falling Perspectation (i.e. any adjacent facilities, vent pipes, tanks, etc. and what type of basements are present) Sample Purge and Leak Tracer Test: Calibrate the Helium detection meter Purge Rate: 0.19 Yes. The second state of the second state |
| Sample Purge and Leak Tracer Test: Calibrate the Helium detection meter Purge Time: |
| Sample Purge and Leak Tracer Test: Calibrate the Helium detection meter Purge Time: |
| Calibrate the Helium detection meter Purge Rate: Purge Purge Purge Plane Purge Plane Plane Purge Plane |
| Calibrate the Helium detection meter Purge Rate: Purge Purge Rate: Purge Purge Rate: Purge Purge Rate: Purge Pare: Purge Rate: Purge Pare: Purge Pare: Purge Pare: Purge Pare: |
| Purge Rate: Off GMA Must be less than 0.2 L/min Purge Time: J Purge Time: J Pu |
| Purge Time: Helium Rate at enclosure: J < 10 - 3 Is this rate <20% of the rate at the enclosure To the Helium Rate from sample tubing: Is this rate <20% of the rate at the enclosure To the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied. Sample Collection for VOCs: Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg Starting Time: Ending Time: Ending Pressure: Starting Time: Ending Pressure: Mode to be present at the location, the soil vapor sample can be collected and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure: Starting Pressure: Mode Time: Mode Time: Mode Time: Mode Time: Mode Time: Mode Time: Mode Time: Mode Time: Pre-sampling pump flow rate: Mode Time: Mode Ti |
| Hellum Rate at enclosure: <u>3 × 10 + 3</u> <u>0 </u> Is this rate <20% of the rate at the enclosure |
| If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied. Sample Collection for VOCs: Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure: |
| Sample Collection for VOCs: Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg Starting Pressure: 99.5 |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg Starting Pressure: |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg Starting Pressure: |
| can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg Starting Pressure: |
| Starting Pressure: |
| Starting Pressure: 995 in. of Hg Starting Time: 906 1706 Ending Time: 906 1706 Sample Collection for Mercury: in. of Hg Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate: ml/min Starting Time: ml/min |
| Starting Time: |
| Starting Time: Ending Time: in. of Hg Ending Pressure: |
| Ending Pressure: in. of Hg Sample Collection for Mercury: Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate: ml/min Starting Time: ml/min |
| Conce the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate: Starting Time: Ending Time: |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate: Starting Time: Ending Time: |
| can be collected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate: Starting Time: Ending Time: |
| initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate: Starting Time: Ending Time: |
| initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate: Starting Time: Ending Time: |
| Starting Time: Ending Time: |
| Starting Time: Ending Time: |
| Ending Time: |
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| Appendix A |
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| Soil Vapor Sampling Form |
| ExxonMobil Former Buffalo Terminal |
| Data: 0-608 |
| Date. |
| Time: |
| Sampled By: TP |
| Sampling Identification #: <u>50-9</u> Summa Canister Identification #: <u>1017C</u> |
| Flow Regulator ID # 7335479 |
| Analysis VOC |
| Dev Chal |
| Weather (general description) : 10/15 Chim |
| Temperature: 50° Humidity: 66° Wind Magnitude: 10 Wind Direction: NNE |
| |
| Barometric Pressure: 30.40 Barometer Falling (Circle one) |
| Site Condition (i.e. any adjacent facilities, vent pipes, tanks, etc. and what type of basements are present) |
| |
| |
| Sample Purge and Leak Tracer Test: |
| Calibrate the Helium detection meter Purge Rate: , 15 Must be less than 0.2 L/min |
| |
| |
| Helium Rate at enclosure: $3 \times 3^{-3} \times 4^{-5}$ Helium Rate from sample tubing: Is this rate <20% of the rate at the enclosure 7^{-5} |
| |
| If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied. |
| |
| Sample Collection for VOCs: |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample |
| can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. |
| Finishing pressure should be within 0.5 - 4 " of Hg |
| |
| 30 to at the |
| Starting Pressure:in. of Hg |
| Starting Time: 90'1 |
| Ending Pressure:in. of Hg |
| Sample Collection for Mercury: |
| One the tracer are percenting procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample |
| can be collected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge |
| |
| |
| Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for |
| Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for initial calibration must be replaced with a new tube immediately prior to sampling) |
| Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for initial calibration must be replaced with a new tube immediately prior to sampling) |
| initial calibration must be replaced with a new tube immediately prior to sampling) |
| initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate:ml/min Starting Time: |
| initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate:ml/min Starting Time: |
| initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate:ml/min Starting Time: |

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| Appendix A | |
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| Soil Vapor Sampling Form | |
| ExxonMobil Former Buffalo Terminal | |
| 1. 6.00 | |
| Date: 11-5-08 | |
| Time: 942 | |
| Sampled By: | |
| Sampling Identification #: 51-9 | |
| Summa Canister Identification #: | |
| Flow Regulator ID # | |
| Analysis Mercun | |
| | 0i - |
| Weather (general description) : | Clan |
| Temperature: | 44° Humidity: 97% |
| Wind Magnitude: | Wind Direction: S |
| Barometric Pressure: | 30.19 Barometer Falling /Rising (circle one) |
| - | |
| ite Condition (i.e. any adjacent facilities, vent pipes, | tanks, etc. and what type of basements are present) |
| | |
| | · · · · · · · · · · · · · · · · · · · |
| ample Purge and Leak Tracer Test: | |
| ample Purge and Leak Tracer Test: alibrate the Helium detection meter | • · · · · · · · · · · · · · · · · · · · |
| Purge Rate: | Must be less than 0.2 L/min |
| Purge Rate: Purge Time: | note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubing |
| Helium Rate at enclosure: | note . Assuming 0.17 T tubing purge to sec. tor every 10 π of tubing |
| Helium Rate at enclosure: | Is this rate <20% of the rate at the enclosure Yes |
| riendin Rate nom sample tubility. | is this rate <20% of the rate at the enclosure fes |
| If the Helium readings have a greater ratio that | an 20% the seals should be rechecked and the tracer gas should be reapplied. |
| | an zo % me seals should be rechecked and me mace/ gas should be reapplied. |
| ample Collection for VOCs: | |
| • | and no short-circuiting is determined to be present at the location, the soil vapor sample |
| | g pressure should be within 0.5 - 4 * of Hg |
| Star | ting Pressure: in. of Hg |
| | Starting Time: |
| | Ending Time: |
| Enc | ling Pressure: In. of Hg |
| ample Collection for Mercury: | |
| | |
| | and no short-circuiting is determined to be present at the location, the soil vapor sample ing of a calibrated sample pump, solid sorbent tube and MCE filter cartridge |
| | |
| | with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for |
| anual calibration must be | replaced with a new tube immediately prior to sampling) |
| | Pump - LFM 143 |
| Pre-sampling pu | 1 DA4 4 |
| | Starting Time: 342 |
| . ` | Ending Time: 1643 |
| Post-sampling p | |
| , sor arriburg b | |
| · · · · · · · · · · · · · · · · · · · | |
| | Blank 2 started @ 844 |
| treld | DIAME L SIGNAR C VII |
| | A CONTRACTOR |
| | 10mp/sted @ 1644 |
| • | i apri-va vila [] |
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Appendix A

| Soll Vapor Sampling Form ExxonMobil Former Buffalo Terminal |
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| 10.00.00 |
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| Time: 817 Sampled By: 71 |
| Sampling Identification #: SV-10 |
| Summa Canister Identification #: 93143 Flow Regulator ID # 7335479 |
| Analysis VOC |
| Weather (general description): Overcast |
| Temperature: 39° Humidity: 78% |
| Wind Magnitude: 1621 Wind Direction: WWW Barometric Pressure: 24.44 Barometer Falling (Cisrig)(circle one) |
| Balometric Pressure. <u>APT</u> Balometer raining (Vasito Circle One) |
| Site Condition (i.e. any adjacent facilities, vent pipes, tanks, etc. and what type of basements are present) |
| |
| Sample Purge and Leak Tracer Test: |
| Calibrate the Helium detection meter Purge Rate: 0.19 Umin Must be less than 0.2 Umin |
| Purge Time: 75 Sec note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubing |
| Helium Rate at enclosure: 6×10^{-3} |
| Helium Rate from sample tubing: 1×10 ⁻³ Is this rate <20% of the rate at the enclosure Yes |
| If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied. |
| |
| Sample Collection for VOCs: |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. |
| Finishing pressure should be within 0.5 - 4 " of Hg |
| 295 |
| Starting Pressure: 27.7 in. of Hg Starting Time: 528 |
| Ending Time: 1548 |
| Ending Pressure: 0.5 in. of Hg |
| Sample Collection for Mercury: |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge |
| Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for initial calibration must be replaced with a new tube immediately prior to sampling) |
| Pre-sampling pump flow rate: ml/min |
| Starting Time: |
| Ending Time: Post-sampling pump flow rate: ml/min |
| rost-samping pump now rateontron |
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| Appendix A | |
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| Soil Vapor Sampling Form ExxonMobil Former Buffalo Terminal | |
| Date: 10-28-08 Time: 333 Sampled By: 77 Sampling Identification #: 5V-1) Summa Canister Identification #: 12/92 Flow Regulator ID # 733-3370 Analysis V&C | |
| Weather (general description) : Temperature: <u>39</u> Wind Magnitude: <u>16-21</u> Barometric Pressure: <u>39.9</u> Humidity: <u>78%</u> Wind Direction: <u>N/W</u> Barometer Sting (circle one) | · |
| Site Condition (i.e. any adjacent facilities, vent pipes, tanks, etc. and what type of basements are present) | |
| Sample Purge and Leak Tracer Test: Calibrate the Helium detection meter Purge Rate: 0.49 U/m/N Purge Time: 75 56C Helium Rate at enclosure: 3×10-5 Helium Rate from sample tubing: 0 Is this rate <20% of the rate at the enclosure 0 If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied | , , , , , , , , , , , , , , , , , , , |
| | |
| Sample Collection for VOCs: Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. | apor sample |
| Finishing pressure should be within 0.5 - 4 " of Hg | |
| Starting Pressure: <u>30</u> in. of Hg Starting Time: <u>843</u> Ending Time: <u>1645</u> Ending Pressure: <u>15</u> in. of Hg | |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil v can be collected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge | |
| Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent t initial calibration must be replaced with a new tube immediately prior to sampling) | • |
| Pre-sampling pump flow rate:ml/min Starting Time: Ending Time: | |
| Post-sampling pump flow rate:ml/min | |

| pendix A |
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| Vanor Sampling Form |
| onMobil Former Buffalo Terminal |
| 10-708 |
| $\frac{\text{Date:}}{\text{Time:}} 1000000000000000000000000000000000000$ |
| Sampled By: |
| Sampling Identification #: <u>SV-12</u> |
| Summa Canister Identification #:A-322 |
| Flow Regulator ID #7333412 |
| Analysis Vuc |
| Weather (general description): SUNNS, clear sties |
| Weather (general description) : <u>SUNNS, Clear STRES</u> Temperature: <u>34</u> Humidity: <u>84</u> |
| Wind Direction: |
| Wind Magnitude:Barometer Falling (Rising (circle one) |
| |
| e Condition (i.e. any adjacent facilities, vent pipes, tanks, etc. and what type of basements are present) |
| |
| |
| mple Purge and Leak Tracer Test: |
| librate the Helium detection meter |
| Purge Rate:Must be less than 0.2 chains Purge Time:note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubing |
| Lines wills |
| Helium Rate at enclosure: <u>5×10.5</u> Is this rate <20% of the rate at the enclosure (Yes) Helium Rate from sample tubing: <u>6</u> Is this rate <20% of the rate at the enclosure |
| Heauth Rate from sumpto transfer |
| If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied. |
| |
| ample Collection for VOCs: Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample |
| |
| Once the tracer gas screening procedures are completed and no snort-calculing is determine to be than 0.2 L/min. can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. |
| Finishing pressure should be within 0.5 - 4 " of Hg |
| Finishing pressure should be many |
| |
| Starting Pressure:in. of Hg |
| Starting Time: <u>920</u> |
| Ending Time: 1630 in. of Hg |
| |
| ample Collection for Mercury: |
| ample Collection for Mercury: Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample |
| pop be collected with a sample main consisting of a second |
| the second training the second training the training the second training the second the second the second the second terms and the second terms and the second terms are second to be secon |
| Pump shall be field calibrated before and after sampling with the complete sample built where the prior to sampling) initial calibration must be replaced with a new tube immediately prior to sampling) |
| initial calibration must be replaced many a non-see a many and |
| mining and the second sec |
| Pre-sampling pump now rate. |
| |
| Starting Time: |
| Ending Time:ml/min Post-sampling pump flow rate:ml/min |

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| Appendix A |
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| Soil Vapor Sampling Form ExxonMobil Former Buffalo Terminal Date: 107-05 Time: 900 Sampled By: 77 Sampling Identification #: 900 Sampled By: 77 Sampling Identification #: 900 Sampled By: 77 Summa Canister Identification #: 900 Flow Regulator ID # 7340650 Analysis 100 Weather (general description) : 000 Weather (general description) : 15 Wind Magnitude: 3 Wind Direction: 655 Barometric Pressure: 30, 75 Barometer Falling //Sting/scircle one) |
| Barometric Pressure: <u>30.15</u> Barometer Failing (<u>Rising Circle One</u>) Site Condition (i.e. any adjacent facilities, vent pipes, tanks, etc. and what type of basements are present) |
| Site Condition (i.e. any adjacent facilities, vent pipes, tanks, etc. and what type of second s |
| Sample Purge and Leak Tracer Test: Calibrate the Helium detection meter Purge Rate: 0.15 Purge Time: 75 Note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tubing Helium Rate at enclosure: 15 Helium Rate from sample tubing: 15 If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied. |
| Sample Collection for VOCs: Sample Collection for VOCs: Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. |
| Finishing pressure should be within 0.5 - 4 " of Hg |
| Starting Pressure: Starting Time: Ending Time: Ending Pressure: <u>4.0</u> in. of Hg |
| Sample Collection for Mercury: |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge |
| Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for initial calibration must be replaced with a new tube immediately prior to sampling) |
| Pre-sampling pump flow rate:ml/min Starting Time: Ending Time: Post-sampling pump flow rate:ml/min |

| pendix A |
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| I Vapor Sampling Form |
| Date: 851 10-7-08 Time: Sampled By: Dupli Take 2-7 |
| 951 10-1-00 |
| Date: |
| Time: 🗸 |
| Sampled By: |
| |
| Summa Canister Identification #:4319 - 46 |
| Flow Regulator ID # 723 1 101 |
| Analysis VIC Clean |
| |
| Temperature: 5 / Humany |
| Wind Direction: E |
| Barometric Pressure: 30.45 Barometer Falling/Rising(circle one) |
| and what type of basements are present) |
| te Condition (i.e. any adjacent facilities, vent pipes, tanks, etc. and what type of basements are present) |
| |
| ample Purge and Leak Tracer Test: |
| alibrate the Helium detection meter |
| alibrate the Helium detection meter Purge Rate: 0.15 Must be less than 0.2 Umin |
| Purge Time: 75 note : Assuming 0.17 h.D. tubing purge to each of each of the |
| Helium Rate at enclosure: |
| Helium Rate from sample tubing: Is this face <20% of the face at the same |
| If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied. |
| If the Helium readings have a greater ratio than 20% the sears should be reconstruct |
| |
| ample Collection for VOCs: |
| ample Collection for VOCs: Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. |
| can be collected in a lab certilied clean summa canada, an and |
| Finishing pressure should be within 0.5 - 4 " of Hg |
| runsing presente entend = 1 man |
| A0 C |
| Starting Pressure: <u>31.5</u> in. of Hg |
| Starting Time: |
| Ending Time: 1708 in. of Hg |
| |
| Sample Collection for Mercury: |
| |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the resent at the |
| Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for pump shall be field calibrated before and after sample train the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for pump shall be field calibrated before and after sample train tube used for pump shall be field calibrated before and after sample to a flow rate of 210 ml/min (sorbent tube used for pump shall be field calibrated before and after sample tube tube tube sample train tube sample tube sample tube sample tube sample tube sample tube s |
| Pumo shall be field calibrated before and after sampling with the complete sample train in line to a low rate of zine of zine training (contracting the sampling) |
| Pump shall be field calibrated before and after sampling with the complete sample trained with the prior to sampling) initial calibration must be replaced with a new tube immediately prior to sampling) |
| |
| Pre-sampling pump flow rate:ml/min |
| Starting Time: |
| |
| Ending Time: |
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| Appendix A | | | | | | |
| Soil Vapor Sampling Form ExxonMobil Former Buffalo Ter | minal | | | | | |
| | Date: 10-7-08 | | | · | | |
| | ime: <u>123</u> | | | | 4 - | |
| Sampling Identificatio | on #: <u>SV-9</u> | | | | | · . |
| Summa Canister Identificatio Flow Regulator | ID # | · - | | | | |
| Anal | هب ا | Sim | | | | |
| Weather (g | peneral description) : Temperature: | Hum | | | | |
| | Wind Magnitude: Barometric Pressure: 30 | | tion: | | | |
| Site Condition (i.e. any adjacen | t facilities, vent pipes, tanks | , etc. and what type o | f basements are presen | t) | | |
| · · | | | · · · · · · · · · · · · · · · · · · · | | | |
| Sample Purge and Leak Tracer | | ······································ | | | | |
| Calibrate the Helium detection me | Purge Rate:O | .15 Must be less | than 0.2 L/min | 4. | fl af tubian | |
| Heliu | Purge Time: 7 m Rate at enclosure: | | ning 0.17" I.D. tubing pur | | π or tuoing | |
| Helium Rate | from sample tubing: | · · · · · | 20% of the rate at the en | | | |
| If the Helium reading | s have a greater ratio than 20 | % the seals should be r | echecked and the tracer | gas should be reapplied | d | |
| Sample Collection for VOCs: | <u></u> | | | | | |
| Once the tracer gas screening p | rocedures are completed and an be collected in a lab certifie | no short-circuiting is de ed clean summa caniste | termined to be present at r at a rate less than 0.2 L | i the location, the soil v /min. | apor sample | |
| | | | | | 1 | |
| | Finishing pres | ssure should be within (|).5 - 4 " of Hg | | | |
| | Finishing pres | ssure should be within (|).5 - 4 " of Hg | | | |
| | Starting | ssure should be within (Pressure: | 1.5 - 4 " of Hg in. of Hg | | | |
| | Starting Start Enc | Pressure: | | | | |
| Sample Collection for Mercury: | Starting Start End Ending | Pressure: ting Time: ting Time: Pressure: | in. of Hg in. of Hg | t the leastion the spilu | anor sample | |
| Once the tracer cas screening n | Starting Start End Ending | Pressure: ting Time: ting Time: Pressure: no short-circuiting is de | in. of Hg in. of Hg in. of be present a | t the location, the soil v nd MCE filter cartridge | apor sample | |
| Once the tracer gas screening p can be collected w | Starting Start End Ending rocedures are completed and ith a sample train consisting c efore and after sampling with | Pressure: ting Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tr | in. of Hg in. of Hg termined to be present a ump, solid sorbent tube a ain in line to a flow rate of | nd MGE niter cannoge 210 ml/min (sorbent ti | | |
| Once the tracer gas screening p can be collected w | Starting Start End Ending rocedures are completed and ith a sample train consisting c | Pressure: ting Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tr | in. of Hg in. of Hg termined to be present a ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp | nd MCE filter carriage 210 ml/min (sorbent ti ling) | ube used for | |
| Once the tracer gas screening p can be collected w | Starting Start End Ending rocedures are completed and ith a sample train consisting c efore and after sampling with initial calibration must be rep Pre-sampling pump | Pressure: ting Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tra- laced with a new tube in flow rate: \mathcal{FIC} | in. of Hg in. of Hg termined to be present a ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to sampi M | nd MGE niter cannoge 210 ml/min (sorbent ti | ube used for | |
| Once the tracer gas screening p can be collected w | Starting Start End Ending rocedures are completed and ith a sample train consisting c efore and after sampling with initial calibration must be rep Pre-sampling pump Star End | Pressure: | in. of Hg in. of Hg in. of Hg ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp ml/min | nd MCE filter carriage 210 ml/min (sorbent ti ling) | ube used for | |
| Once the tracer gas screening p can be collected w | Starting Start End Ending rocedures are completed and ith a sample train consisting c efore and after sampling with initial calibration must be rep Pre-sampling pump Star | Pressure: | in. of Hg in. of Hg termined to be present a ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to sampi M | nd MCE filter carriage 210 ml/min (sorbent ti ling) | ube used for | |
| Once the tracer gas screening p can be collected w | Starting Start End Ending rocedures are completed and ith a sample train consisting c efore and after sampling with initial calibration must be rep Pre-sampling pump Star End | Pressure: | in. of Hg in. of Hg in. of Hg ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp ml/min | nd MCE filter carriage 210 ml/min (sorbent ti ling) | ube used for | |
| Once the tracer gas screening p can be collected w Pump shall be field calibrated b | Starting Start End End rocedures are completed and with a sample train consisting of efore and after sampling with initial calibration must be rep Pre-sampling pump Star End Post-sampling pump | Pressure: ling Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tr laced with a new tube in flow rate: flow rate: flow rate: | in. of Hg in. of Hg itermined to be present a ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp ml/min ml/min | nd MCE niter carnoge 210 ml/min (sorbent ti ing) EL LFM IC | ube used for | |
| Once the tracer gas screening p can be collected w Pump shall be field calibrated b | Starting Start End Ending rocedures are completed and ith a sample train consisting c efore and after sampling with initial calibration must be rep Pre-sampling pump Star End | Pressure: ling Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tr laced with a new tube in flow rate: flow rate: flow rate: | in. of Hg in. of Hg in. of Hg ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp ml/min | nd MCE niter carnoge 210 ml/min (sorbent ti ing) EL LFM IC | ube used for | |
| Once the tracer gas screening p can be collected w Pump shall be field calibrated b | Starting Start Enci Encing rocedures are completed and ith a sample train consisting of efore and after sampling with initial calibration must be rep Pre-sampling pump Star Enc Post-sampling pump | Pressure: ling Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tr laced with a new tube in flow rate: flow rate: flow rate: | in. of Hg in. of Hg itermined to be present a ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp ml/min ml/min | nd MCE niter carnoge 210 ml/min (sorbent ti ing) EL LFM IC | ube used for | |
| Once the tracer gas screening p can be collected w Pump shall be field calibrated b | Starting Start Enci Encing rocedures are completed and ith a sample train consisting of efore and after sampling with initial calibration must be rep Pre-sampling pump Star Enc Post-sampling pump | Pressure: ling Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tr laced with a new tube in flow rate: flow rate: flow rate: | in. of Hg in. of Hg itermined to be present a ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp ml/min ml/min | nd MCE niter carnoge 210 ml/min (sorbent ti ing) EL LFM IC | ube used for | |
| Once the tracer gas screening p can be collected w Pump shall be field calibrated b | Starting Start End End rocedures are completed and with a sample train consisting of efore and after sampling with initial calibration must be rep Pre-sampling pump Star End Post-sampling pump | Pressure: ling Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tr laced with a new tube in flow rate: flow rate: flow rate: | in. of Hg in. of Hg itermined to be present a ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp ml/min ml/min | nd MCE niter carnoge 210 ml/min (sorbent ti ing) EL LFM IC | ube used for | |
| Once the tracer gas screening p can be collected w Pump shall be field calibrated b | Starting Start Enci Encing rocedures are completed and ith a sample train consisting of efore and after sampling with initial calibration must be rep Pre-sampling pump Star Enc Post-sampling pump | Pressure: ling Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tr laced with a new tube in flow rate: flow rate: flow rate: | in. of Hg in. of Hg itermined to be present a ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp ml/min ml/min | nd MCE niter carnoge 210 ml/min (sorbent ti ing) EL LFM IC | ube used for | |
| Once the tracer gas screening p can be collected w Pump shall be field calibrated b | Starting Start Enci Encing rocedures are completed and ith a sample train consisting of efore and after sampling with initial calibration must be rep Pre-sampling pump Star Enc Post-sampling pump | Pressure: ling Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tr laced with a new tube in flow rate: flow rate: flow rate: | in. of Hg in. of Hg itermined to be present a ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp ml/min ml/min | nd MCE niter carnoge 210 ml/min (sorbent ti ing) EL LFM IC | ube used for | |
| Once the tracer gas screening p can be collected w Pump shall be field calibrated b | Starting Start Enci Encing rocedures are completed and ith a sample train consisting of efore and after sampling with initial calibration must be rep Pre-sampling pump Star Enc Post-sampling pump | Pressure: ling Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tr laced with a new tube in flow rate: flow rate: flow rate: | in. of Hg in. of Hg itermined to be present a ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp ml/min ml/min | nd MCE niter carnoge 210 ml/min (sorbent ti ing) EL LFM IC | ube used for | |
| Once the tracer gas screening p can be collected w Pump shall be field calibrated b | Starting Start Enci Encing rocedures are completed and ith a sample train consisting of efore and after sampling with initial calibration must be rep Pre-sampling pump Star Enc Post-sampling pump | Pressure: ling Time: Pressure: no short-circuiting is de of a calibrated sample p the complete sample tr laced with a new tube in flow rate: flow rate: flow rate: | in. of Hg in. of Hg itermined to be present a ump, solid sorbent tube a ain in line to a flow rate of nmediately prior to samp ml/min ml/min | nd MCE niter carnoge 210 ml/min (sorbent ti ing) EL LFM IC | ube used for | |

| Appendix A |
|--|
| Soil Vapor Sampling Form ExxonMobil Former Buffalo Terminal |
| 10.26-08 |
| Date: 100100 Time: 546 |
| Sampled By: |
| Sampling Identification #: 5V-1 |
| Summa Canister Identification #: |
| Analysis |
| Mul (L) |
| |
| Temperature: 35 Humidity: 65% Wind Magnitude: 16-21 Wind Direction: W//W |
| Barometric Pressure: 29.76 Barometer Falling /Ristor (circle one) |
| Site Condition (i.e. any adjacent facilities, vent pipes, tanks, etc. and what type of basements are present) |
| |
| Sample Purge and Leak Tracer Test: Calibrate the Helium detection meter |
| Purge Rate: Must be less than 0.2 L/min |
| Purge Time: note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 it of tubing |
| Helium Rate at enclosure: Is this rate <20% of the rate at the enclosure Yes |
| If the Helium readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied. |
| |
| Sample Collection for VOCs: |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. |
| |
| Finishing pressure should be within 0.5 - 4 " of Hg |
| Starting Pressure: in. of Hg |
| Starting Time: |
| Ending Time: |
| Ending Pressure:in. of Hg Sample Collection for Mercury: |
| - |
| Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor sample can be collected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge |
| Pump shall be field calibrated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube used for |
| initial calibration must be replaced with a new tube immediately prior to sampling) |
| Primp AEL 108 210 D |
| Pre-sampling pump flow rate: 210.0 ml/min |
| Starting Time: 751 Ending Time: 751 |
| |
| Post-sampling pump flow rate:ml/min |
| FIPPIL 1 LOCA |
| Field Blank 1 started @ 852 |
| @ 1652 |
| |
| - wrong tubes used to collect this sample. SU-1 was |
| recencial an ulsta a RZRAM |
| resampled on 11/5/08 @ 828AM |
| |
| |

ана Алана — на

| Soil Vapor Sampling F ExxonMobil Former Bu | 00113 |
|--|--|
| | |
| | |
| | Date: 10-29-08 |
| ÷ | Time: 357 |
| | Sampled By: |
| (| entification #: <u>SV-4</u> |
| Summa Canister Ide | |
| | Regulator ID # |
| | Analysis |
| | |
| w | leather (general description) : Mosth Claub |
| · · · | Temperature: 35° Humidity: 65% |
| | Wind Magnitude: 16-21 Wind Direction: 6/10/10/10/10/10/10/10/10/10/10/10/10/10/ |
| | Barometric Pressure: 29.76 Barometer Falling (Circle one) |
| | |
| Site Condition (i.e. any | r adjacent facilities, vent pipes, tanks, etc. and what type of basements are present) |
| | |
| | |
| Sample Purge and Lea Calibrate the Helium det | |
| Canorate me menum 0e0 | Purge Rate: Must be less than 0.2 L/min |
| | Purge Time: note : Assuming 0.17" I.D. tubing purge 15 sec. for every 10 ft of tu |
| | Helium Rate at enclosure: |
| Hali | ium Rate from sample tubing: Is this rate <20% of the rate at the enclosure Yes |
| | |
| If the Helium | n readings have a greater ratio than 20% the seals should be rechecked and the tracer gas should be reapplied. |
| Sample Collection for \ | , //// |
| | |
| Once the tracer gas scr | reening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s |
| | can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. |
| | and the second |
| | Finishing pressure should be within 0.5 - 4 " of Hg |
| | |
| | Starting Pressure: in. of Hg |
| | Starting Pressure:in. of Hg Starting Time: |
| | Ending Time: |
| | |
| | |
| Sample Collection for M | Ending Pressure: in. of Hg |
| - | Ending Pressure:in. of Hg Mercury: |
| Once the tracer gas scre | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s |
| Once the tracer gas scre | Ending Pressure:in. of Hg Mercury: |
| Once the tracer gas scro can be col | Ending Pressure: in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor se llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) Pamp AEL 140 |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) Pump AEL 140 Pre-sampling pump flow rate:09.4 ml/min |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) Pamp AEL 140 Pre-sampling pump flow rate:ml/min |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) Pump AEL 140 Pre-sampling pump flow rate:MI/min Starting Time:MI/min |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) Pamp AEL 140 Pre-sampling pump flow rate:MI/min Starting Time: |
| Once the tracer gas scro can be col | Ending Pressure: in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) Pamp AEL 140 Pre-sampling pump flow rate: 201.4 ml/min Starting Time: 170 \$ ml/min Post-sampling pump flow rate: ml/min |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor si llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) Pamp AEL 140 Pre-sampling pump flow rate:mi/min Starting Time:m/2mi/min Post-sampling pump flow rate:m//mi/min |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) Pump AEL 140 Pre-sampling pump flow rate:MI/min Starting Time:MI/min |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor si llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) Pamp AEL 140 Pre-sampling pump flow rate:mi/min Starting Time:m/2mi/min Post-sampling pump flow rate:m//mi/min |
| Once the tracer gas scro can be col | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor s llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube us initial calibration must be replaced with a new tube immediately prior to sampling) Pump AEL 140 Pre-sampling pump flow rate:MI/min Starting Time:MI/min Post-sampling pump flow rate:mml/min |
| Once the tracer gas scr can be col Pump shall be field calil | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor so llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube use initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate: |
| Once the tracer gas scr can be col Pump shall be field calil | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor so llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube use initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate: |
| Once the tracer gas scr can be col Pump shall be field calil | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor so llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube use initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate: |
| Once the tracer gas scrucan be col Pump shall be field calif | Ending Pressure: in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor so llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube use initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate:ml/min Starting Time:ml/22ml/min Field Bluck 2 Student @ 903 @ 1703 Were used to collect this sample. Such SV-1 |
| Once the tracer gas scrucan be col Pump shall be field calif | Ending Pressure: in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor so llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube use initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate:ml/min Starting Time:ml/22ml/min Field Bluck 2 Student @ 903 @ 1703 Were used to collect this sample. Such SV-1 |
| Once the tracer gas scrucan be col Pump shall be field calif | Ending Pressure: in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor so llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube use initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate:ml/min Starting Time:ml/22ml/min Field Bluck 2 Student @ 903 @ 1703 Were used to collect this sample. Such SV-1 |
| Once the tracer gas scrucan be col Pump shall be field calif | Ending Pressure:in. of Hg Mercury: eening procedures are completed and no short-circuiting is determined to be present at the location, the soil vapor so llected with a sample train consisting of a calibrated sample pump, solid sorbent tube and MCE filter cartridge brated before and after sampling with the complete sample train in line to a flow rate of 210 ml/min (sorbent tube use initial calibration must be replaced with a new tube immediately prior to sampling) Pre-sampling pump flow rate: |

ROUX ASSOCIATES, INC.

APPENDIX B

Field Equipment Calibration Forms

Sampling Pump Calibration Log

| | | | 7 | |
|------------|---|--|---|--|
| ExxonMobil | Buffalo T | remiral | Cail Luge | |
| Pump ID | Pump ID | Pump ID | Pump ID | Pump ID |
| | | | | |
| AGUOS | AGL 130 | | | |
| U-m142 | LEM 102 | | | |
| | | | | |
| 209.0m | 210.6 min | | | |
| | | | | |
| 208.9 ml | 209:2 min | | | |
| | | | | |
| 209-0min | 211.5 min | | | |
| . * | | | | |
| 209.0 ml | 210.4 ml | | | |
| | Pump ID AGLIOS LIT-MI42 209.0ml Tim 208.9 ml Tim 209.0ml | ExxonMobil Buffalo T Pump ID Pump ID AGLIOS AGLIBO LF-MI42 LFMIO2 209.0ml 210.6ml 208.9 ml 209.2ml 208.9 ml 209.2ml min 209.0ml 209.0ml 211.5 ml | Pump IDPump IDPump IDAGL 130AGL 130Lr-m142LFM 102209.0ml210.6 ml209.0ml210.6 ml208.9 ml209.2 ml | ExxonMobil Buffalo Terminal / Cail Lucar Pump ID Pump ID Pump ID Pump ID AGLIOS AGLIBO LIF-MI42 LEMIO2 209.0ml 210.6 ml 208.9 ml 209.2 ml 209.0ml 211.5 ml 209.0ml 211.5 ml |

| | Post-Calibration | | | | | | |
|---------------|------------------|---------|---------|---------|---------|--|--|
| Client/Projec | t: | | - | | | | |
| .: | Pump ID | Pump ID | Pump ID | Pump ID | Pump ID | | |
| Date: | | | | | | | |
| : | | | | | | | |
| Flow 1 | | | | | | | |
| | | | | | | | |
| Flow 2 | | | | | | | |
| Flow 3 | , | | | | a | | |
| Average | | | | | | | |
| | | | | | | | |

| | | Pre-C | alibration | | | |
|--|------------------|---------|------------|--|-----------------|--|
| Client/Project: Exxen mobil / Andy Senik | | | | | | |
| | Pump ID | Pump ID | Pump ID | Pump ID | Pump ID | |
| Date: 10/2/08 | AEL138 LEM101 | | | | | |
| Flow 1 | 149.6 ml | | | | · · · · · · · · | |
| Flow 2 | 149.8 min | | | ······································ | | |
| Flow 3 | 151.2 NL | | | | | |
| Average | 150.2 ml | | | | | |

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Sampling Pump Calibration Log

| Post-Calibration | | | | | | |
|------------------|---------|----------|---------|---------|---------|--|
| Client/Proje | ect: | | | | | |
| | | | | | | |
| | Pump ID | Pump ID | Pump ID | Pump ID | Pump ID | |
| Date: | | <u>·</u> | | | | |
| | | | | | | |
| Flow 1 | | | | | | |
| | | | | | | |
| Flow 2 | | | | | | |
| | | | | | | |
| Flow 3 | | | | | | |
| | | | | | * | |
| Average | | | | | | |
| | | - | | | | |

Sampling Pump Calibration Log

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| | ÷ - | Pre-Cal | ibration | | |
|-----------------|-----------|----------|-------------|---------|---------------------------------------|
| Client/Project: | Expon/G | ail Larg | | | · · · · · · · · · · · · · · · · · · · |
| | | 0 | | | |
| | Pump ID | Pump ID | Pump ID | Pump ID | Pump ID |
| Date: | AGLIOS | AGLIND | 20071101002 | | |
| 1922/08 | | LFM127 | LT-MI14 | | |
| Flow 1 | | | | | |
| | 210.2 min | 209.4ml | 192.3 min | | |
| Flow 2 | | ~ | | | |
| | 208.9 ml | 209.3 ml | 193.9 ml | | |
| Flow 3 | | | | | |
| | 210.8 min | 209.4 ml | [92.7 min | | |
| Average | | | | | |
| | 210. Onl | 209.4ml | 193.0ml | | |

| | Post-Calibration | | | | | | |
|--------------|------------------|---------|---------|---------|---------|--|--|
| Client/Proje | ect: | | | | | | |
| | | | | | | | |
| | Pump ID | Pump ID | Pump ID | Pump ID | Pump ID | | |
| Date: | | | | | | | |
| | | | | | | | |
| Flow 1 | | | | | | | |
| Flow 2 | | | | | | | |
| | | | | | | | |
| Flow 3 | | | | | | | |
| A. 10 10 010 | | | | | | | |
| Average | | | | | | | |
| | | | | | | | |

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Sampling Pump Calibration Log

| Client/Project | Exxan | | ibration | · · · · · · · · · · · · · · · · · · · | |
|--------------------|--------------------|----------------------|----------------------------|---------------------------------------|---------|
| | _ | | | | |
| | Pump ID | Pump ID | Pump ID Purging | Pump ID | Pump ID |
| Date: 11/03/0-9 | AEL#141 LFM#143 | S/N 14107 LFM#138 | 5/N 20071101002 LFM#114 | | |
| Flow 1 | 209.5 min | 209.7 ml | 200,2 ^{nl} | | |
| Flow 2 | 209.3 me | 209.2 min | 200.1 ml | | |
| Flow 3 | 209. 4 ml | 209.5 min | 200.5 mi | | |
| Average | 209.4 ml | 209.5 mi | 20.3 ml | | |

| Post-Calibration | | | | | | | |
|------------------|---------|---------|---------|---------|---------|--|--|
| Client/Project: | | | | | | | |
| | | | | | | | |
| | Pump ID | | |
| Date: | | | | · · · · | | | |
| | | | | | | | |
| Flow 1 | | | | | | | |
| | | | | | | | |
| Flow 2 | | | | | | | |
| | | | | | | | |
| Flow 3 | | | | | | | |
| | | | | | | | |
| Average | | | | | | | |
| | | | | | | | |

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Page 1 of 1 Certificate Number: 46082 Calibration Date: 29 February 2008



Asset No: Description: Manufacturer: Serial No: Calibration Date: Next Calibration: Accuracy of Unit Under Test: Adjustments made: Calibration Technician: R7619 ION SCIENCE GASCHECK 3000 ION SCIENCE 05-01099 29 February 2008 28 February 2009 Manufacturers Specifications None Victor Boccardo

Details of any limitations to the use of the equipment $\ensuremath{\textbf{None}}$

The following measurement equipment used during the calibration procedure is traceable to National Standards.

| Measurement Equipment/S ION SCIENCE CALCHECK HELIU | Reference |
|---|-----------|
| Calibrated By: | |

Victor Boccardo

APPENDIX C

Data Usability Summary Report

Data Validation Services

120 Cobble Creek Road P.O. Box 208 North Creek, NY 12853

> Phone 518-251-4429 Facsimile 518-251-4428

January 9, 2009

Noelle Clark Roux Associates 209 Shafter St. Islandia, NY 11749

RE: Data Validation Report for the ExxonMobil Buffalo site TAL-Nashville SDG Nos. PRJ0559, PRJ0560, PRJ1586, and PRK0301 Soil Vapor and Ambient Air

Dear Ms. Clarke :

Review has been completed for the data packages generated by TestAmerica Laboratories that pertain to air samples collected 10/06/08 through 11/05/08 at the ExxonMobil Buffalo site. Seventeen 6L summa canisters (including two field duplicates) were analyzed for volatile analytes by method USEPA TO-15 and six fixed gases by ASTM method D1946. Three sample Anasorb tubes and field blanks were analyzed for mercury by a modified NIOSH method 6009.

The raw data and the results of QC evaluations have been reviewed for application of validation qualifiers, with consideration of the analytical methods and the USEPA Region 2 validation SOP HW-32. Although the data packages were to have been full deliverables, many of the summary forms were not available, and in those instances the corresponding raw data were reviewed for the required parameters. The following items were reviewed:

- * Laboratory Narrative Discussion
- * Custody Documentation
- * Holding Times
- * Surrogate Standard Recoveries
- * Internal Standard Recoveries
- * Field Duplicate Correlation
- * Preparation/Calibration Blanks
- * Control Spike/Laboratory Control Samples
- * Instrumental Tunes
- * Calibration Standard Responses
- * Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable. **In summary**, sample processing was compliant with analytical protocol requirements. Sample results are either usable as reported, or usable with qualification of values as quantitatively estimated.

Copies of the laboratory case narratives, including sample IDs covered in this report, are attached to this text, and should be reviewed in conjunction with this narrative. Also included in this submission are sample results forms with recommended qualifiers and edits applied in red ink.

Method TO-15 laboratory processing and data validation were performed using the units of ppbv (as required of the analytical protocol). Random conversions to ug/M3 were checked, and no errors found in the laboratory reporting of those units.

Volatile Analyses by USEPA TO-15

Due to an apparent transcription error, the result for cyclohexane was not reported for Duplicate 2. The value is 72 ppbv (250 ug/M3). The result has been entered on the attached report forms.

Results for analytes that initially showed responses above the instrument calibration range have been derived from the dilution analyses of the samples.

The field duplicates of SV-6 (Duplicate 1) and SV-4 (Duplicate 2) show outlying correlations greater than 50%RPD or >±CRDL for almost all detected analytes. In some instances variances exceed an order of magnitude. The duplicates were collected sequentially rather than concurrently, and as such they are not true replicates as described by method TO-15. Therefore, those correlations have not been evaluated during this review. Those results should be used with caution until the variances are better understood.

Holding times were met, and instrument tune fragmentation is within protocol. Surrogate and internal standard responses were acceptable. Method blanks show no contamination.

Initial and continuing calibration standards meet protocol and validation requirements.

Due to elevated response in the associated LCS (135% to 145%), detections of 1,2,4-trimethylbenene and styrene in the samples processed 10/29/08 and 10/30/08 are considered additionally estimated. Elevated LCS recoveries for analytes that are not detected in the samples do not affect reported results.

Although the protocol requires an acceptance range of 70% to 130% for LCS recoveries, the laboratory ranges are 65% to 135%. The protocol range was utilized in the validation evaluation.

Some of the samples were processed at initial dilution due to elevated target analyte responses. This resulted in elevated reporting limits for compounds not detected in those samples.

QC summary forms listing surrogate recoveries, internal standard responses, and continuing calibration standard differences were not provided in the data package. These items were reviewed from the raw data.

Fixed Gases Analyses by ASTM D-1946

Holding times were met, and blanks show no contamination. Instrument performance was within validation guidelines.

LCSs (performed in duplicate) show acceptable accuracy and precision.

Sample results are substantiated by the raw data, and no qualification is made.

Mercury Analyses by NIOSH 6009

Instrument processing was acceptable, and blanks show no contamination.

The laboratory duplicate of SV-1 correlates well with the parent sample (both report no detection).

LCSs (performed in duplicate) show good accuracy and precision.

Sample results are substantiated by the raw data, and no qualification is made.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION QUALIFIER DEFINITIONS

DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."
- NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

CLIENT and LABORATORY SAMPLE IDs and CASE NARRATIVES

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Attention: Gail Lage

Project: Exxon 3-1010 Buffalo / NRJ1277

Sampled: 10/06/08-10/07/08 Received0/09/08 Issued: 10/30/08 17:58

NELAP #01109CA California ELAP#2446 Arizona DHS#AZ0728 Nevada #AZ01030 ORELAP #AZ100001

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

| LABORATORY ID | CLIENT ID | MATRIX |
|---------------|---------------|--------|
| PRJ0559-01 | SV-6 | Air |
| PRJ0559-02 | SV-4 | Air |
| PRJ0559-03 | SV-5 | Air |
| PRJ0559-04 | SV-9 | Air |
| PRJ0559-05 | Ambient Air 1 | Air |
| PRJ0559-06 | SV-3 | Air |
| PRJ0559-07 | SV-12 | Air |
| PRJ0559-08 | Duplicate 2 | Air |
| PRJ0559-09 | Duplicate 1 | Air |
| PRJ0559-10 | Ambient Air | Air |

TestAmerica Phoenix

Denise Harrington Project Manager

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PRJ0559 <Page 1 of 13>

<u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING 4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica NashvilleWork Order:PRJ1586Received:10/30/082960 Foster Creighton DriveReported:11/26/0814:55Nashville, TN 37204Project:N_ExxonMobil Buffalo11/26/08Gail LageProject Number:Exxon 3-1010Buffalo / NRK0367

SAMPLE IDENTIFICATION

NRK0367-01 (SV-1) NRK0367-02 (SV-10) NRK0367-03 (SV-11) NRK0367-04 (SV-8) NRK0367-05 (Ambient Air 3) NRK0367-06 (SV-2) NRK0367-07 (Ambient Air 4)

LAB_NUMBER

PRJ1586-01 PRJ1586-02 PRJ1586-03 PRJ1586-04 PRJ1586-05 PRJ1586-06 PRJ1586-07 COLLECTION DATE

10/28/08 10/28/08 10/28/08 10/28/08 10/28/08 10/28/08 10/28/08

CONTAINER TYPE

 S/N
 12478
 6L
 Canister

 S/N
 93143
 6L
 Canister

 S/N
 12492
 6L
 Canister

 S/N
 02643
 6L
 Canister

 S/N
 1327
 6L
 Canister

 S/N
 12185
 6L
 Canister

 S/N
 6673
 6L
 Canister

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THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage 4625 East Cotton Center Blvd, Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Work Order: PRJ0560

Report Project: N_ExxonMobil Buffalo Project Number: Exxon 3-1010 Buffalo / NRJ1279

Received: 10/09/08 Reported: 10/21/08 12:20

SAMPLE IDENTIFICATION

NRJ1279-01 (SV-9)

LAB NUMBER PRJ0560-01 <u>COLLECTION DATE</u> 10/07/08

CONTAINER TYPE

PTFE filter, 13-mm, 1micron/150 mg Ox impreg

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THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage 4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

Work Order: PRK0301 Re Re Project: N_ExxonMobil Buffalo Project Number: Exxon 3-1010 Buffalo / NRK0460

Received: 11/06/08 Reported: 11/21/08 10:32

SAMPLE IDENTIFICATION

NRK0460-01 (SV-1) NRK0460-02 (Field Blank 1) NRK0460-03 (SV-9) NRK0460-04 (Field Blank 2) LAB NUMBER

PRK0301-01 PRK0301-02 PRK0301-03 PRK0301-04

COLLECTION DATE

11/05/08 11/05/08 11/05/08 11/05/08 CONTAINER TYPE

 Anasorb
 C300,
 200
 mg

 Anasorb
 C300,
 200
 mg

 Anasorb
 C300,
 200
 mg

 Anasorb
 C300,
 200
 mg

 Anasorb
 C300,
 200
 mg

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

| 1 | | | +54-2505 |
|--|--|-----------------------|-------------------------------|
| TestAmerica Nashville | Project ID: Exxon 3-1010 Buffalo / NRJ1277 | | |
| 2960 Foster Creighton Drive Nashville, TN 37204 Attention: Gail Lage | Report Number: PRJ0559 | Sampled: Received: | 10/06/08-10/07/08 10/09/08 |
| SAMPLE RECEIPT: | Samples were received intact, at 20°C, on ice and with chain of custody docu | mentation. | |
| HOLDING TIMES: | All samples were analyzed within prescribed holding times and/or in accordance Sample Acceptance Policy unless otherwise noted in the report. | e with the T | estAmerica |
| PRESERVATION: | Samples requiring preservation were verified prior to sample analysis. | | |
| QA/QC CRITERIA: | All analyses met method criteria, except as noted in the report with data quali | fiers. | |
| COMMENTS: | No significant observations were made. | | |
| SUBCONTRACTED: | No analyses were subcontracted to an outside laboratory. | | |

Reviewed By:

Denise Harrington

TestAmerica Phoenix Denise Harrington Project Manager

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

November 26, 2008

LABORATORY REPORT

Client: TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Attn: Gail Lage

 Work
 Order:
 PRJ1586

 Project
 Name:
 N_ExxonMobil
 Buffalo

 Project
 Number:
 Exxon 3-1010
 Buffalo / NRK0367

 Date
 Received:
 10/30/08

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, I page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington

Denise Harrington Project Manager

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Page 1 of 28

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

October 21, 2008

LABORATORY REPORT

Client: TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Attn: Gail Lage

PRJ0560 Work Order: Project Name: N ExxonMobil Buffalo Project Number: Exxon 3-1010 Buffalo / NRJ1279 Date Received: 10/09/08

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 20°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Post calibration could not be done on the air pump upon lab receipt due to water in the system.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington

Denise Harrington Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

November 21, 2008

LABORATORY REPORT

 Client:
 TestAmerica Nashville
 Work Order:
 PRK0301

 2960 Foster Creighton Drive
 Project Name:
 N_ExxonMobil Buffalo

 Nashville, TN 37204
 Project Number:
 Exxon 3-1010 Buffalo / NRK0460

 Attn: Gail Lage
 Date Received:
 11/06/08

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc., Phoenix Laboratory certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(602)437-3340

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: SAMPLE RECEIPT: Samples were received intact, at 19.8°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Approved By:

Denise Harrington

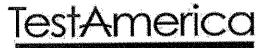
Denise Harrington Project Manager

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QUALIFIED SAMPLE REPORT FORMS

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville ' 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ0559

Received: 10/09/08 Reported: 11/03/08 16:35

Project:N_ExxonMobilBuffaloProjectNumber:Exxon3-1010Buffalo/

ANALYTICAL REPORT

| | pp | bv | ug/m3 | | Data | | Date | | |
|-----------------------------------|--------|------|--------|------|--------------|----------|------------|----------|----------------|
| | Result | PQL | Result | PQL | Qualifiers J | Dilution | Analyzed | Analyst | Method |
| Volatile Organic Compounds by EPA | TO-15 | | | | | | | | |
| Sample ID: PRJ0559-01 (SV-6) | | | | | | | | Sampled: | 10/06/08 07:58 |
| 1,1,1-Trichloroethane | 20 | 0.50 | 110 | 2.73 | 1. | 0 | 10/30/2008 | ŢŢ | EPA TOIS |
| 1,1,2,2-Tetrachloroethane | <0,50 | 0.50 | <3.43 | 3.43 | 1. | 0 | 10/30/2008 | JJ | EPA TO15 |
| 1,1,2-Trichloroethane | <0,50 | 0.50 | <2.73 | 2.73 | Ι. | .0 | 10/30/2008 | JJ | EPA TO15 |
| 1, I-Dichloroethane | <0,50 | 0,50 | <2.02 | 2.02 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| 1,1-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | 1. | 0 | 10/30/2008 | IJ | EPA TO15 |
| 1,2,4-Trichlorobenzene | <2,0 | 2.0 | <14.8 | 14.8 | 1. | 0 | 10/30/2008 | JJ | EPA TO15 |
| 1,2,4-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2.46 | 1. | 0 | 10/30/2008 | 11 | EPA TO15 |
| 1,2-Dibromoethane (EDB) | <0,50 | 0,50 | <3.84 | 3.84 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| 1,2-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | · 1. | .0 | 10/30/2008 | JJ - | EPA TO15 |
| 1,2-Dichloroethane | <0,50 | 0,50 | <2.02 | 2.02 | 1. | .0 | 10/30/2008 | JĴ | EPA TO15 |
| 1,2-Dichloropropane | <0.50 | 0.50 | <2.31 | 2.31 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| 1,3,5-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2.46 | 1. | .0 | 10/30/2008 | JĴ | EPA TO15 |
| 1,3-Butadiene | <0.50 | 0.50 | <1.10 | 1,10 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| 1,3-Dichlorobenzene | 2.5 | 0.50 | 15 | 3.01 | 1. | .0 | 10/30/2008 | JJ | EPA TOIS |
| 1,4-Dichlorobenzene | 4.5 | 0.50 | 27 | 3.01 | 1. | .0 | 10/30/2008 | 11 | EPA TOIS |
| 2,2,4-Trimethylpentane | <0.50 | 0.50 | <2.34 | 2.34 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| 2-Butanone (MEK) | 2.0 | 1.0 | 5.9 | 2,95 | 1. | 0 | 10/30/2008 | JJ | EPA TOIS |
| 2-Hexanone | <1,0 | 1.0 | <4.10 | 4.10 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| 2-Propanol | <2.0 | 2.0 | <4.92 | 4.92 | 1. | .0 | 10/30/2008 | jj | EPA TO15 |
| 4-Ethyltoluene | <0,50 | 0,50 | <2.46 | 2.46 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| 4-Methyl-2-pentanone (MIBK) | <1.0 | 1.0 | <4.10 | 4,10 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| Acetone | 20 | 5.0 | 48 | 11.9 | 1. | .0 | 10/30/2008 | ĩl | EPA TOIS |
| Allyl Chloride | <0.50 | 0.50 | <1.56 | 1.56 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| Benzene | 1.2 | 0.50 | 3,8 | 1.60 | 1. | .0 | 10/30/2008 | JJ | EPA TOIS |
| Benzyl Chloride | <2.0 | 2.0 | <10.4 | 10.4 | 1. | .0 | 10/30/2008 | 31 | EPA TO15 |
| Bromodichloromethane | <0.50 | 0,50 | <3.35 | 3.35 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| Bromoethene(Vinyl Bromide) | <0.50 | 0,50 | <2.19 | 2.19 | 1, | .0 | 10/30/2008 | 11 | EPA TO15 |
| Bromoform | <0,50 | 0.50 | <5.17 | 5.17 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| Bromomethane | <0.50 | 0.50 | <1.94 | 1.94 | 1. | .0 | 10/30/2008 | JI | EPA TO15 |
| Carbon disulfide | 7.4 | 0.50 | 23 | 1.56 | 1. | .0 | 10/30/2008 | 11 | EPA TOIS |
| Carbon tetrachloride | <0.50 | 0.50 | <3.15 | 3.15 | 1. | .0 | 10/30/2008 | JI | EPA TOIS |
| Chlorobenzene | <0.50 | 0.50 | <2.30 | 2.30 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| Chloroethane | <0.50 | 0.50 | <1.32 | 1,32 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| Chloroform | <0.50 | 0.50 | <2.44 | 2.44 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| Chloromethane | <0,50 | 0.50 | <1.03 | 1.03 | 1. | .0 | 10/30/2008 | JJ | EPA TOIS |
| cis-1,2-Dichloroethene | <0.50 | 0.50 | <1.98 | 1,98 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| cis-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2.27 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| Cyclohexane | 2.9 | 0.50 | 10 | 1.72 | 1. | .0 | 10/30/2008 | JJ | EPA TOIS |
| Dibromochloromethane | <0.50 | 0.50 | <4.26 | 4.26 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| Dichlorodifluoromethane | <0.50 | 0.50 | <2.47 | 2.47 | 1. | .0 | 10/30/2008 | JJ | EPA TO15 |
| Dichlorotetrafluoroethane(F-114) | <0.50 | 0.50 | <3.50 | 3.50 | 1. | .0 | 10/30/2008 | | EPA TOIS |
| Ethyl Acetate | <0.50 | 0.50 | <1.80 | 1.80 | 1. | | 10/30/2008 | 22 | 0fe851 |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ0559

Received: 10/09/08 Reported: 11/03/08 16:35

Project: N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | ppl | <u>v</u> | <u>ug/m3</u> | | Data | | Date | | |
|----------------------------------|-----------|----------|--------------|-------|------------|----------|------------|---------|----------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Method |
| Volatile Organic Compounds by | EPA TO-15 | | | | | | | | |
| Sample ID: PRJ0559-01 (SV-6) - 0 | cont. | | | | | | | | 10/06/08 07:58 |
| Ethylbenzene | 0.73 | 0.50 | 3.2 | 2.17 | | 1.0 | 10/30/2008 | JJ | EPA TOIS |
| Freon 113 | <0.50 | 0.50 | <3.83 | 3.83 | | 1.0 | 10/30/2008 | 11 | EPA TO15 |
| Heptane | 1.5 | 0.50 | 6,2 | 2.05 | | 1.0 | 10/30/2008 | IJ | EPA TO15 |
| Hexachlorobutadiene | <1.0 | 1.0 | <10.7 | 10.7 | | 1.0 | 10/30/2008 | JJ | EPA TO15 |
| Hexane | 6.1 | 0.50 | 22 | 1,76 | | 1.0 | 10/30/2008 | 31 | EPA TOIS |
| m,p-Xylenes | 2,3 | 1.0 | 10 | 4,34 | | 1.0 | 10/30/2008 | JJ | EPA TO15 |
| Methylene Chloride | 2.1 | 0.50 | 7.3 | 1.74 | | 1.0 | 10/30/2008 | JJ | EPA TOIS |
| Methyl-tert-butyl Ether (MTBE) | <1.0 | 1.0 | <3.61 | 3,61 | | 1.0 | 10/30/2008 |]] | EPA TO15 |
| o-Xylene | 0.64 | 0.50 | 2.8 | 2.17 | | 1.0 | 10/30/2008 | 11 | EPA TOIS |
| Propene | 7.6 | 0.50 | 13 | 0.861 | | 1.0 | 10/30/2008 | JJ | EPA TOIS |
| Styrene | 0.78 | 0.50 | 3.3 | 2.13 | T | 1.0 | 10/30/2008 | JĴ | EPA TOIS |
| Tetrachloroethene | 1.1 | 0.50 | 7.5 | 3.39 | ~ | 1.0 | 10/30/2008 | JJ | EPA TO1 |
| Tetrahydrofuran | <2.0 | 2.0 | <5.90 | 5,90 | | 1.0 | 10/30/2008 | ĴJ | EPA TOIS |
| Toluene | 3.1 | 0.50 | 12 | 1.88 | | 1.0 | 10/30/2008 | JJ | EPA TOI |
| trans-1,2-Dichloroethene | <0.50 | 0.50 | <1.98 | 1,98 | | 1.0 | 10/30/2008 | JJ | EPA TO1 |
| trans-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 10/30/2008 | JJ | EPA TOI: |
| Trichloroethene | <0.50 | 0.50 | <2.69 | 2.69 | | 1.0 | 10/30/2008 | JI | EPA TOI: |
| Trichlorofluoromethane | 0.79 | 0.50 | 4.4 | 2.81 | | 1.0 | 10/30/2008 | JJ | EPA TOI |
| Vinyl Acetate | <0,50 | 0.50 | <1.76 | 1.76 | | 1.0 | 10/30/2008 | JJ | EPA TOI |
| • | <0.50 | 0.50 | <1.28 | 1.28 | | 1.0 | 10/30/2008 | IJ | EPA TOI |
| Vinyl chloride | | 0.00 | Limit 70-130 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 87 % | | Dunne 199120 | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage

Work Order: PRJ0559

Project:

Received: 10/09/08 Reported: 11/03/08 16:35

N ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | <u>ppl</u> | | <u>ug/m3</u> | POT | Data Qualifiers | Thiller 45 and | Date Analyzed | Amatura | Method |
|----------------------------------|------------|------|--------------|------|--------------------|----------------|------------------|---------|---------------|
| | Result | PQL | Result | PQL | Quantiers | Dilution | Analyzeu | Analyst | |
| olatile Organic Compounds by EP. | A TO-15 | | | | | | | | |
| Sample ID: PRJ0559-02 (SV-4) | | | | | | | | | 10/06/08 08:2 |
| 1,1,1-Trichloroethane | 28 | 0.50 | 150 | 2.73 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 1,1,2,2-Tetrachloroethane | <0.50 | 0.50 | <3.43 | 3.43 | | 1.0 | 10/29/2008 | 11 | EPA TO |
| 1,1,2-Trichloroethane | <0.50 | 0.50 | <2.73 | 2.73 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 1,1-Dichloroethene | 1.3 | 0.50 | 5.2 | 1.98 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 1,2,4-Trichlorobenzene | <2.0 | 2.0 | <14.8 | 14.8 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 1,2,4-Trimethylbenzene | 0.54 | 0.50 | 2.7 | 2.46 | J | 1.0 | 10/29/2008 | 13 | EPA TO |
| 1,2-Dibromoethane (EDB) | <0.50 | 0,50 | <3.84 | 3.84 | | 1.0 | 10/29/2008 | lì | EPA TO |
| 1,2-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 1,2-Dichloroethane | <0.50 | 0,50 | <2.02 | 2.02 | | 1.0 | 10/29/2008 | IJ | EPA TO |
| 1,2-Dichloropropane | <0.50 | 0.50 | <2,31 | 2,31 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 1,3,5-Trimethylbenzene . | <0.50 | 0.50 | <2,46 | 2.46 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 1,3-Butadiene | <0.50 | 0,50 | <1.10 | 1.10 | | 1.0 | 10/29/2008 | IJ | EPA TO |
| 1,3-Dichlorobenzene | <0,50 | 0.50 | <3.01 | 3.01 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 1,4-Dichlorobenzene | 13 | 0.50 | 78 | 3.01 | | 1.0 | 10/29/2008 | JĴ | ЕРА ТО |
| 2,2,4-Trimethylpentane | <0.50 | 0.50 | <2.34 | 2.34 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 2-Butanone (MEK) | 6.3 | 1.0 | 19 | 2.95 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 2-Hexanone | <1.0 | 1.0 | <4,10 | 4,10 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 2-Propanol | <2.0 | 2.0 | <4.92 | 4.92 | | 1.0 | 10/29/2008 | 31 | EPA TO |
| 4-Ethyltoluene | <0.50 | 0.50 | <2,46 | 2.46 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| 4-Methyl-2-pentanone (MIBK) | <1,0 | 1.0 | <4.10 | 4.10 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Allyl Chloride | <0.50 | 0.50 | <1.56 | 1.56 | | 1.0 | 10/29/2008 |]} | EPA TO |
| Benzene | 2.5 | 0.50 | 8.0 | 1.60 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Benzyl Chloride | <2.0 | 2,0 | <10.4 | 10.4 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Bromodichloromethane | <0.50 | 0.50 | <3.35 | 3,35 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Bromoethene(Vinyl Bromide) | <0,50 | 0.50 | <2.19 | 2.19 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Bromoform | <0.50 | 0.50 | <5.17 | 5.17 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Bromomethane | <0,50 | 0.50 | <1.94 | 1.94 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Carbon disulfide | 29 | 0.50 | 90 | 1.56 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Carbon tetrachloride | <0.50 | 0.50 | <3.15 | 3.15 | | 1.0 | 10/29/2008 | IJ | EPA TO |
| Chlorobenzene | <0.50 | 0.50 | <2,30 | 2.30 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Chloroethane | <0.50 | 0.50 | <1.32 | 1.32 | | 1.0 | 10/29/2008 | 11 | EPA TO |
| Chloroform | `1.8 | 0.50 | 8.8 | 2.44 | | 1.0 | 10/29/2008 | 11 | EPA TO |
| Chloromethane | <0.50 | 0.50 | <1.03 | 1.03 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| cis-1,2-Dichloroethene | 42 | 0.50 | 170 | 1.98 | | 1.0 | 10/29/2008 | 11 | EPA TO |
| cis-1,3-Dichloropropene | <0.50 | 0,50 | <2.27 | 2.27 | | 1.0 | 10/29/2008 |]] | EPA TO |
| Cyclohexane | 15 | 0.50 | 52 | 1.72 | | 1.0 | 10/29/2008 | 13 | EPA TO |
| Dibromochloromethane | <0.50 | 0.50 | <4,26 | 4.26 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Dichlorodifluoromethane | <0.50 | 0.50 | <2.47 | 2.47 | | 1.0 | 10/29/2008 | IJ | EPA TO |
| Dichlorotetrafluoroethane(F-114) | <0.50 | 0.50 | <3.50 | 3,50 | | 1.0 | 10/29/2008 | 11 | EPA TO |
| Ethyl Acetate | <0.50 | 0.50 | <1.80 | 1.80 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Ethylbenzene | 0.63 | 0.50 | 2.7 | 2.17 | | 1.0 | 10/29/2008 | 11 | EPA TO |
| Freon 113 | <0.50 | 0.50 | <3.83 | 3.83 | | 1.0 | 10/29/2008 | 11 | EPA TO |
| Heptane | 1.1 | 0.50 | 4.5 | 2.05 | | 1.0 | 10/29/2008 | JJ | EPA TO |
| Hexachlorobutadiene | <1.0 | 1.0 | <10.7 | 10.7 | | 1.0 | 10/29/2008 | 24 | 01E859 |
| Hexane | 9.8 | 0.50 | 35 | 1.76 | | 1.0 | 10/29/2008 | IJ | EPA TO |

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: Project:

.

Received: 10/09/08 Reported: 11/03/08 16:35

Reported: 11/ N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

PRJ0559

| | ppl |)V | <u>ug/m3</u> | | Data | | Date | | | |
|--------------------------------------|--------|------|--------------|-------|------------|----------|------------|----------|-----|-------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analys | Met | hod |
| Volatile Organic Compounds by EPA | TO-15 | | | | | | | | | |
| Sample ID: PRJ0559-02 (SV-4) - cont. | | | | | | | | Sampled: | | |
| m,p-Xylenes | 1.9 | 1.0 | 8.3 | 4.34 | | 1.0 | 10/29/2008 | ; JJ | | TO15 |
| Methylene Chloride | 1.4 | 0.50 | 4.9 | 1.74 | | 1.9 | 10/29/2008 | JJ | | TO15 |
| Methyl-tert-butyl Ether (MTBE) | <1.0 | 1.0 | <3.61 | 3.61 | | 1.0 | 10/29/2008 | JJ | EPA | TO15 |
| o-Xylene | 0.64 | 0.50 | 2.8 | 2,17 | | 1.0 | 10/29/2008 | JJ | EPA | TO15 |
| Propene | 40 | 0.50 | 69 | 0.861 | | 1.0 | 10/29/2008 | IJ | EPA | TO15 |
| Styrene | <0.50 | 0.50 | <2.13 | 2.13 | | 1.0 | 10/29/2008 | 11 | EPA | TO15 |
| Tetrachloroethene | 18 | 0.50 | 120 | 3.39 | | 1.0 | 10/29/2008 | JJ | EPA | TO15 |
| Tetrahydrofuran | <2,0 | 2.0 | <5.90 | 5.90 | | 1.0 | 10/29/2008 | JJ | EPA | TO15 |
| Toluene | 3.7 | 0.50 | 14 | 1.88 | | 1.0 | 10/29/2008 | JJ | EPA | TO15 |
| trans-1,2-Dichloroethene | 5.9 | 0.50 | 23 | 1.98 | | 1.0 | 10/29/2008 | JJ | EPA | TO15 |
| trans-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 10/29/2008 | JJ | EPA | TO15 |
| Trichloroethene | 17 | 0.50 | 91 | 2.69 | | 1.0 | 10/29/2008 | JJ | EPA | TO15 |
| Trichlorofluoromethane | <0.50 | 0.50 | <2.81 | 2.81 | | 1.0 | 10/29/2008 | JJ | EPA | TO15 |
| Vinyl Acetate | <0.50 | 0.50 | <1.76 | 1.76 | | 1,0 | 10/29/2008 | JJ | EPA | TO15 |
| Vinyl chloride | <0.50 | 0.50 | <1.28 | 1.28 | | 1.0 | 10/29/2008 | JJ | EPA | TO15 |
| Surrogate: 4-Bromofluorobenzene | 87 % | | Limit 70-130 | | | | | | | |
| Sample ID: PRJ0559-02RE1 (SV-4) | | | | | | | | Sampled: | | |
| 1,1-Dichloroethane | 64 | 2.5 | 260 | 10.1 | | 5.0 | 10/29/2008 | JJ | | T015 |
| Acetone | 57 | 25 | 140 | 59.4 | | 5.0 | 10/29/2008 | JI | EPA | TO15 |
| Surrogate: 4-Bromofluorobenzene | 84 % | | Limit 70-130 | | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ0559

Project:

Received: 10/09/08 Reported: 11/03/08 16:35

Reported: 1 N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | ppl | <u> vv</u> | <u>ug/m3</u> | | Data | | Date | | |
|----------------------------------|--------|------------|--------------|------|------------|----------|------------|------------|---------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Method |
| olatile Organic Compounds by EPA | TO-15 | | | | | | | | |
| Sample ID: PRJ0559-03 (SV-5) | | | | | | | | | 10/06/08 08:4 |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | <5.46 | 5.46 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | <6.87 | 6,87 | | 2,0 | 10/30/2008 | 31 | EPA TO |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | <5.46 | 5.46 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| 1,1-Dichloroethane | <1.0 | 1.0 | <4.05 | 4,05 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| 1,1-Dichloroethene | <1.0 | 1.0 | <3.96 | 3.96 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| 1,2,4-Trichlorobenzene | <4.0 | 4.0 | <29.7 | 29.7 | | 2.0 | 10/30/2008 | 11 | EPA TO |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | <4.92 | 4.92 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| 1,2-Dibromoethane (EDB) | <1.0 | 1.0 | <7.68 | 7.68 | | 2.0 | 10/30/2008 | IJ | EPA TO |
| 1,2-Dichlorobenzene | <1.0 | 1.0 | <6.01 | 6,01 | | 2.0 | 10/30/2008 | ŢŢ | EPA TO |
| 1,2-Dichloroethane | <1.0 | 1.0 | <4.05 | 4.05 | | 2.0 | 10/30/2008 | 11 | EPA TO |
| 1,2-Dichloropropane | <1.0 | 1.0 | <4.62 | 4.62 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | <4.92 | 4.92 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| 1,3-Butadiene | <1.0 | 1.0 | <2.21 | 2.21 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| 1,3-Dichlorobenzene | <1.0 | 1.0 | <6.01 | 6.01 | | 2.0 | 10/30/2008 | 11 | EPA TO |
| 1,4-Dichlorobenzene | 14 | 1.0 | 84 | 6.01 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| 2,2,4-Trimethylpentane | 1.3 | 1.0 | 6.1 | 4.67 | | 2.0 | 10/30/2008 | 11 | EPA TO |
| 2-Butanone (MEK) | 3.1 | 2.0 | 9.1 | 5.90 | | 2.0 | 10/30/2008 | 11 | EPA TO |
| 2-Hexanone | <2.0 | 2.0 | <8.19 | 8.19 | | 2.0 | 10/30/2008 |]] | EPA TO |
| 2-Propanol | 12 | 4.0 | 30 | 9.83 | | 2.0 | 10/30/2008 | 11 | ЕРА ТС |
| 4-Ethyltoluene | <1.0 | 1.0 | <4.92 | 4.92 | | 2.0 | 10/30/2008 | JJ | ΕΡΑ ΤΟ |
| 4-Methyl-2-pentanone (MIBK) | <2.0 | 2.0 | <8.19 | 8,19 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| Acetone | 36 | 10 | 86 | 23.8 | | 2.0 | 10/30/2008 | 11 | EPA TO |
| Allyl Chloride | <1.0 | 1.0 | <3.13 | 3.13 | | 2.0 | 10/30/2008 | jj | ΕΡΑ ΤΟ |
| Benzene | 1.2 | 1.0 | 3.8 | 3.19 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| Benzyl Chloride | <4.0 | 4.0 | <20.7 | 20.7 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| Bromodichloromethane | <1.0 | 1.0 | <6.70 | 6.70 | | 2,0 | 10/30/2008 | IJ | EPA TO |
| Bromoethene(Vinyl Bromide) | <1.0 | 1.0 | <4.38 | 4.38 | | 2.0 | 10/30/2008 | 11 | ΕΡΑ ΤΟ |
| Bromoform | <1.0 | 1.0 | <10.3 | 10.3 | | 2,0 | 10/30/2008 | JJ | ΕΡΑ ΤΟ |
| Bromomethane | <1.0 | 1.0 | <3.88 | 3.88 | | 2.0 | 10/30/2008 |]] | EPA TO |
| Carbon disulfide | <1.0 | 1.0 | <3.11 | 3,11 | | 2,0 | 10/30/2008 | JI | EPA TO |
| Carbon tetrachloride | <1.0 | 1.0 | <6.29 | 6.29 | | 2.0 | 10/30/2008 | 11 | EPA TO |
| Chlorobenzene | <1.0 | 1.0 | <4.60 | 4.60 | | 2.0 | 10/30/2008 | lì | EPA TO |
| Chloroethane | <1.0 | 1.0 | <2.64 | 2.64 | | 2.0 | 10/30/2008 | IJ | ΕΡΑ ΤΟ |
| Chloroform | <1.0 | 1.0 | <4.88 | 4.88 | | 2.0 | 10/30/2008 |]] | ΕΡΑ ΤΟ |
| Chloromethane | <1.0 | 1.0 | <2.06 | 2.06 | | 2.0 | 10/30/2008 | 11 | EPA TO |
| cis-1,2-Dichloroethene | <1.0 | 1.0 | <3.96 | 3.96 | | 2.0 | 10/30/2008 | 11 | ΕΡΑ ΤΟ |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | <4.54 | 4.54 | | 2.0 | 10/30/2008 | JJ | ΕΡΑ ΤΟ |
| Cyclohexane | 2.2 | 1.0 | 7.6 | 3.44 | | 2.0 | 10/30/2008 | IJ | EPA TO |
| Dibromochloromethane | <1.0 | 1.0 | <8.52 | 8.52 | | 2.0 | 10/30/2008 | J] | ΕΡΑ ΤΟ |
| Dichlorodifluoromethane | <1.0 | 1.0 | <4.95 | 4,95 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| Dichlorotetrafluoroethane(F-114) | <1.0 | 1.0 | <6.99 | 6.99 | | 2.0 | 10/30/2008 | JJ | EPA TO |
| Ethyl Acetate | <1.0 | 1.0 | <3.60 | 3,60 | | 2.0 | 10/30/2008 |]] | EPA TO |
| Ethylbenzene | <1.0 | 1.0 | <4.34 | 4.34 | | 2,0 | 10/30/2008 | JJ | EPA TO |
| Freon 113 | <1.0 | 1.0 | <7.66 | 7.66 | | 2.0 | 10/30/2008 | 26 | oferso |
| Heptane | <1.0 | 1.0 | <4.10 | 4,10 | | 2,0 | 10/30/2008 | JJ | EPA TO |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville [·] 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ0559

Project:

Received: 10/09/08 Reported: 11/03/08 16:35

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | pp | <u>ov</u> | <u>ug/m3</u> | | Data | | Date | | |
|--------------------------------------|--------|-----------|--------------|------|------------|----------|------------|----------|---------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Method |
| olatile Organic Compounds by EPA | TO-15 | | | | | | | | |
| Sample ID: PRJ0559-03 (SV-5) - cont. | | | | | | | | Sampled: | 10/06/08 08:4 |
| Hexachlorobutadiene | <2.0 | 2.0 | <21.3 | 21.3 | | 2.0 | 10/30/2008 | JJ | EPA TOI |
| Hexane | 4.9 | 1.0 | 17 | 3.52 | | 2.0 | 10/30/2008 | JJ | EPA TOI |
| m,p-Xylenes | 2.2 | 2.0 | 9.6 | 8.68 | | 2.0 | 10/30/2008 | JJ | EPA TO1 |
| Methylene Chloride | 1.3 | 1.0 | 4.5 | 3.47 | | 2.0 | 10/30/2008 | IJ | EPA TO1 |
| Methyl-tert-butyl Ether (MTBE) | <2.0 | 2.0 | <7.21 | 7,21 | | 2.0 | 10/30/2008 |]] | EPA TOI |
| o-Xylene | <1.0 | 1.0 | <4.34 | 4,34 | | 2.0 | 10/30/2008 | JJ | EPA TOI |
| Propene | 3.9 | 1.0 | 6.7 | 1.72 | | 2.0 | 10/30/2008 | JJ | EPA TO1 |
| Styrene | 2.0 | 1.0 | 8.5 | 4.26 | T | 2.0 | 10/30/2008 | JI | EPA TO1 |
| Tetrachloroethene | <1.0 | 1.0 | <6.78 | 6.78 | Ŭ. | 2.0 | 10/30/2008 | JĬ | EPA TO1 |
| Tetrahydrofuran | <4.0 | 4.0 | <11.8 | 11.8 | | 2.0 | 10/30/2008 | JJ | EPA TO1 |
| Toluene | 4.2 | 1.0 | 16 | 3.77 | | 2.0 | 10/30/2008 | JJ | EPA TOI |
| trans-1,2-Dichloroethene | <1.0 | 1.0 | <3.96 | 3.96 | | 2.0 | 10/30/2008 | JJ | EPA TO1 |
| trans-1,3-Dichloropropene | <1.0 | 1,0 | <4.54 | 4.54 | | 2,0 | 10/30/2008 | JJ | EPA TOI |
| Trichloroethene | <1.0 | 1.0 | <5.37 | 5,37 | | 2.0 | 10/30/2008 | 11 | EPA TO1 |
| Trichlorofluoromethane | <1.0 | 1.0 | <5.62 | 5.62 | | 2,0 | 10/30/2008 | JJ | EPA TO1 |
| Vinyi Acetate | <1.0 | 1.0 | <3.52 | 3.52 | | 2.0 | 10/30/2008 | IJ | EPA TO1 |
| Vinyl chloride | <1.0 | 1.0 | <2.56 | 2.56 | | 2.0 | 10/30/2008 | JJ | EPA TO1 |
| Surrogate: 4-Bromofluorobenzene | 86 % | | Limit 70-130 | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204

Gail Lage

Work Order: PRJ0559

Project:

Received: 10/09/08 Reported: 11/03/08 16:35

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | ppl | <u>w</u> | <u>ug/m3</u> | | Data | | Date | | N. A. J |
|-----------------------------------|--------|----------|--------------|------|------------|----------|------------|----------|----------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Method |
| Volatile Organic Compounds by EPA | TO-15 | | | | | | | | |
| Sample ID: PRJ0559-04 (SV-9) | | | | | | | | | 10/06/08 09:04 |
| 1,1,1-Trichloroethane | <0.50 | 0,50 | <2.73 | 2.73 | | 1.0 | 10/27/2008 |]] | EPA TO15 |
| 1,1,2,2-Tetrachloroethane | <0.50 | 0.50 | <3.43 | 3,43 | | 1.0 | 10/27/2008 | 11 | EPA TO15 |
| 1,1,2-Trichloroethane | <0.50 | 0.50 | <2.73 | 2.73 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| 1,1-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 10/27/2008 | 3J | EPA TO15 |
| 1,1-Dichloroethene | <0.50 | 0.50 | <1,98 | 1.98 | | 1.0 | 10/27/2008 | 11 11 | EPA TOIS |
| 1,2,4-Trichlorobenzene | <2.0 | 2.0 | <14.8 | 14.8 | | 1.0 | 10/27/2008 | 11 | EPA TO15 |
| 1,2,4-Trimethylbenzene | 0.87 | 0.50 | 4,3 | 2.46 | | 1.0 | 10/27/2008 | J1 | EPA TOIS |
| 1,2-Dibromoethane (EDB) | <0.50 | 0,50 | <3.84 | 3.84 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| 1,2-Dichlorobenzene | <0.50 | 0.50 | <3,01 | 3,01 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| 1,2-Dichloroethane | <0,50 | 0,50 | <2.02 | 2.02 | | 1.0 | 10/27/2008 | J3 | EPA TO15 |
| 1,2-Dichloropropane | <0.50 | 0.50 | <2.31 | 2.31 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| 1,3,5-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2,46 | | 1.0 | 10/27/2008 | 11 | EPA TO15 |
| 1,3-Butadiene | <0.50 | 0.50 | <1.10 | 1.10 | | 1.0 | 10/27/2008 |]] | EPA TOIS |
| 1,3-Dichlorobenzene | 1.4 | 0.50 | 8.4 | 3.01 | | 1.0 | 10/27/2008 | 3J | EPA TOI: |
| 1,4-Dichlorobenzene | 9.2 | 0.50 | 55 | 3.01 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| 2,2,4-Trimethylpentane | <0.50 | 0.50 | <2.34 | 2.34 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| 2-Butanone (MEK) | <1.0 | 1.0 | <2.95 | 2.95 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| 2-Hexanone | 1,2 | 1.0 | 4.9 | 4.10 | | 1.0 | 10/27/2008 | 11 1 | EPA TOIS |
| 2-Propanol | <2.0 | 2.0 | <4.92 | 4.92 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| 4-Ethyltoluene | 0.58 | 0.50 | 2.9 | 2.46 | | 1.0 | 10/27/2008 | JJ | EPA TOI |
| 4-Methyl-2-pentanone (MIBK) | <1.0 | 1.0 | <4.10 | 4.10 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| Acetone | 18 | 5.0 | 43 | 11.9 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| Allyl Chloride | <0.50 | 0.50 | <1.56 | 1.56 | | 1.0 | 10/27/2008 |]] | EPA TOIS |
| Benzene | 0.81 | 0,50 | 2,6 | 1.60 | | 1.0 | 10/27/2008 | JJ | EPA TOI |
| Benzyl Chloride | <2,0 | 2.0 | <10.4 | 10,4 | | 1.0 | 10/27/2008 | j] | EPA TOIS |
| Bromodichloromethane | <0.50 | 0.50 | <3.35 | 3.35 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| Bromoethene(Vinyl Bromide) | <0.50 | 0.50 | <2.19 | 2,19 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| Bromoform | <0.50 | 0.50 | <5.17 | 5.17 | | 1.0 | 10/27/2008 | JJ | |
| Bromomethane | <0.50 | 0.50 | <1.94 | 1,94 | | 1.0 | 10/27/2008 | 31 | EPA TOIS |
| Carbon disulfide | 1.2 | 0.50 | 3.7 | 1.56 | | 1.0 | 10/27/2008 | Ĵ] | EPA TOI |
| Carbon tetrachloride | <0.50 | 0.50 | <3.15 | 3.15 | | 1.0 | 10/27/2008 | 11 | EPA TOIS |
| Chlorobenzene | <0.50 | 0.50 | <2.30 | 2.30 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| Chloroethane | <0,50 | 0.50 | <1.32 | 1,32 | | 1.0 | 10/27/2008 | IJ | EPA TOIS |
| Chloroform | <0.50 | 0.50 | <2.44 | 2.44 | | 1.0 | 10/27/2008 |)] | EPA TOIS |
| Chloromethane | <0.50 | 0.50 | <1.03 | 1.03 | | 1.0 | 10/27/2008 | 11 1 | EPA TOIS |
| cis-1,2-Dichloroethene | <0.50 | 0.50 | <1,98 | 1,98 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| cis-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 10/27/2008 | JI | EPA TOIS |
| Cyclohexane | <0.50 | 0.50 | <1.72 | 1.72 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| Dibromochloromethane | <0.50 | 0.50 | <4.26 | 4,26 | | 1.0 | 10/27/2008 |]] | EPA TOIS |
| Dichlorodifluoromethane | <0.50 | 0.50 | <2.47 | 2.47 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| Dichlorotetrafluoroethane(F-114) | <0.50 | 0.50 | <3.50 | 3.50 | | 1.0 | 10/27/2008 | jj | EPA TOI: |
| Ethyl Acetate | <0.50 | 0.50 | <1.80 | 1,80 | | 1.0 | 10/27/2008 | JJ | EPA TOIS |
| Ethylbenzene | 0.80 | 0.50 | 3.5 | 2.17 | | 1.0 | 10/27/2008 | ji An | EPA TO1 |
| Freon 113 | <0.50 | 0,50 | <3.83 | 3.83 | | 1.0 | 10/27/2008 | Z8 | OIEOSI |
| Heptane | <0,50 | 0.50 | <2.05 | 2.05 | | 1.0 | 10/27/2008 |]] | EPA TO15 |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ0559

Project:

Received: 10/09/08 Reported: 11/03/08 16:35

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | ppl | <u>)v</u> | <u>ug/m3</u> | | Data | | Date | | |
|--------------------------------------|--------|-----------|--------------|-------|------------|----------|------------|---------|----------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Method |
| Volatile Organic Compounds by EPA | TO-15 | | | | | | | | |
| Sample ID: PRJ0559-04 (SV-9) - cont. | | | | | | | | | 10/06/08 09:04 |
| Hexachlorobutadiene | <1.0 | 1,0 | <10.7 | 10.7 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Hexane | 2.5 | 0.50 | 8.8 | 1.76 | | 1,0 | 10/27/2008 | 11 | EPA TO15 |
| m,p-Xylenes | 1.7 | 1.0 | 7.4 | 4,34 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Methylene Chloride | 1.3 | 0.50 | 4.5 | 1.74 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Methyl-tert-butyl Ether (MTBE) | <1.0 | 1.0 | <3.61 | 3.61 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| o-Xylene | <0.50 | 0.50 | <2.17 | 2.17 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Propene | <0.50 | 0,50 | <0.861 | 0.861 | | 1.0 | 10/27/2008 |]] | EPA TO15 |
| Styrene | 0.70 | 0,50 | 3.0 | 2.13 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Tetrachloroethene | <0.50 | 0.50 | <3.39 | 3.39 | | 1.0 | 10/27/2008 |]] | EPA TO15 |
| Tetrahydrofuran | <2.0 | 2.0 | <5.90 | 5.90 | | 1,0 | 10/27/2008 | 11 | EPA TO15 |
| Tolucne | 3.0 | 0.50 | 11 | 1.88 | | 1.0 | 10/27/2008 | JI | EPA TO15 |
| trans-1,2-Dichloroethene | <0.50 | 0.50 | <1,98 | 1.98 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| trans-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Trichloroethene | <0,50 | 0.50 | <2.69 | 2.69 | | 1,0 | 10/27/2008 | 11 | EPA TO15 |
| Trichlorofluoromethane | <0.50 | 0.50 | <2.81 | 2.81 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Vinyl Acetate | <0,50 | 0,50 | <1.76 | 1.76 | | 1.0 | 10/27/2008 | JÌ | EPA TO15 |
| Vinyl chloride | <0.50 | 0.50 | <1.28 | 1.28 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Surrogate: 4-Bromofluorobenzene | 93 % | | Limit 70-130 | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204

Gail Lage

Work Order: PRJ0559

Project:

Received: 10/09/08 Reported: 11/03/08 16:35

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | <u>ppl</u> Result | v PQL | <u>ug/m3</u> Result | PQL | Data Qualifiers | Dilution | Date Analyzed | Analyst | Method |
|----------------------------------|----------------------|----------|------------------------|------|--------------------|----------|--------------------------|----------|----------------------------|
| | | - 20 | | | | | | | |
| Volatile Organic Compounds by | | | | | | | | ~ • • | ***** |
| Sample ID: PRJ0559-05 (Ambient | | | | 0.70 | | 1.0 | 10/30/2008 | Sampled: | 10/06/08 09:30 EPA TO15 |
| 1,1,1-Trichloroethane | <0.50 | 0.50 | <2.73 | 2.73 | | 1.0 | 10/30/2008 | JJ . | EPA TO15 |
| 1,1,2,2-Tetrachloroethane | <0.50 | 0.50 | <3.43 | 3.43 | | | 10/30/2008 | JJ | EPA TO15 |
| 1,1,2-Trichloroethane | <0.50 | 0,50 | <2.73 | 2.73 | | 1.0 | 10/30/2008 | JJ | EPA TO15 |
| 1,1-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | |)] | EPA TOIS |
| 1,1-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 10/30/2008 10/30/2008 | 11 | EPA TOIS |
| 1,2,4-Trichlorobenzene | <2.0 | 2.0 | <14.8 | 14.8 | | 1.0 | 10/30/2008 | 11 | EPA TOIS |
| 1,2,4-Trimethylbenzene | <0,50 | 0.50 | <2.46 | 2.46 | | 1.0 | | | EPA TOIS |
| 1,2-Dibromoethane (EDB) | <0.50 | 0.50 | <3.84 | 3.84 | | 1.0 | 10/30/2008 | 11 11 | EPA TOIS |
| 1,2-Dichlorobenzene | <0.50 | 0,50 | <3.01 | 3.01 | | 1.0 | 10/30/2008 | IJ | EPA TOIS |
| 1,2-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 10/30/2008 | 11 | |
| 1,2-Dichloropropane | <0.50 | 0.50 | <2.31 | 2.31 | | 1.0 | 10/30/2008 | JJ | EPA TOIS |
| 1,3,5-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 10/30/2008 | 11 | EPA TOIS |
| 1,3-Butadiene | <0,50 | 0.50 | <1.10 | 1,10 | | 1.0 | 10/30/2008 | 31 | EPA TOIS |
| 1,3-Dichlorobenzene | 1.4 | 0.50 | 8.4 | 3.01 | | 1.0 | 10/30/2008 | 31 | EPA TOI: |
| 1,4-Dichlorobenzene | <0,50 | 0,50 | <3.01 | 3.01 | | 1.0 | 10/30/2008 | Jl | EPA TOI: |
| 2,2,4-Trimethylpentane | <0.50 | 0.50 | <2.34 | 2.34 | | 1.0 | 10/30/2008 | JJ | EPA TOIS |
| 2-Butanone (MEK) | <1.0 | 1.0 | <2.95 | 2,95 | | 1.0 | 10/30/2008 | lì | EPA TOI |
| 2-Hexanone | <1.0 | 1.0 | <4.10 | 4.10 | | 1.0 | 10/30/2008 |]] | EPA TO1: |
| 2-Propanol | 5.1 | 2.0 | 13 | 4.92 | | 1.0 | 10/30/2008 | IJ | EPA TOI |
| 4-Ethyltoluene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 10/30/2008 | IJ | EPA TOIS |
| 4-Methyl-2-pentanone (MIBK) | <1.0 | 1.0 | <4.10 | 4.10 | | 1.0 | 10/30/2008 | JĴ | EPA TOI: |
| Acetone | 31 | 5.0 | 74 | 11.9 | | 1.0 | 10/30/2008 | 11 | EPA TO1 |
| Allyl Chloride | <0,50 | 0.50 | <1.56 | 1.56 | | 1.0 | 10/30/2008 | JJ | EPA TOI: |
| Benzene | <0.50 | 0.50 | <1.60 | 1.60 | | 1.0 | 10/30/2008 | JJ | EPA TOI: |
| Benzyl Chloride | <2,0 | 2.0 | <10.4 | 10.4 | | 1.0 | 10/30/2008 | JJ | EPA TOI: |
| Bromodichloromethane | <0.50 | 0.50 | <3,35 | 3.35 | | 1.0 | 10/30/2008 | 11 | EPA TOI: |
| Bromoethene(Vinyl Bromide) | <0.50 | 0.50 | <2.19 | 2.19 | | 1.0 | 10/30/2008 | IJ | EPA TOI |
| Bromoform | <0.50 | 0.50 | <5.17 | 5.17 | | 1,0 | 10/30/2008 | JJ | EPA TOI |
| Bromomethane | <0.50 | 0.50 | <1.94 | 1.94 | | 1.0 | 10/30/2008 | JI | EPA TOIS |
| Carbon disulfide | 1.3 | 0.50 | 4.1 | 1.56 | | 1.0 | 10/30/2008 | JJ | EPA TO1 |
| Carbon tetrachloride | <0.50 | 0.50 | <3.15 | 3.15 | | 1.0 | 10/30/2008 | 11 | EPA TOI |
| | <0.50 | 0.50 | <2.30 | 2.30 | | 1,0 | 10/30/2008 | JJ | EPA TOI |
| Chlorobenzene | <0.50 | 0.50 | <1,32 | 1.32 | | 1.0 | 10/30/2008 | JJ | EPA TOI: |
| Chloroethane | <0.50 | 0.50 | <2,44 | 2.44 | | 1.0 | 10/30/2008 | JJ | EPA TOI |
| Chloroform | | 0.50 | | 1.03 | | 1.0 | 10/30/2008 | JJ | EPA TO1 |
| Chloromethane | 1.1 | 0.50 | 2.3 <1.98 | 1.05 | | 1.0 | 10/30/2008 | JJ | EPA TOL |
| cis-1,2-Dichloroethene | <0.50 | 0.50 | <2.27 | 2,27 | | 1.0 | 10/30/2008 | JJ | EPA TOI: |
| cis-1,3-Dichloropropene | <0.50 | | | 1.72 | | 1,0 | 10/30/2008 | JJ | EPA TOL |
| Cyclohexane | <0.50 | 0.50 | <1.72 | 4,26 | | 1.0 | 10/30/2008 | JJ | EPA TOI |
| Dibromochloromethane | <0.50 | 0.50 | <4.26 | | | 1.0 | 10/30/2008 | JJ | EPA TO1 |
| Dichlorodifluoromethane | <0.50 | 0.50 | <2,47 | 2.47 | | 1.0 | 10/30/2008 | JJ | EPA TOI |
| Dichlorotetrafluoroethane(F-114) | <0,50 | 0.50 | <3.50 | 3,50 | | | 10/30/2008 | 33 33 | EPA TOI: |
| Ethyl Acetate | <0.50 | 0.50 | <1.80 | 1.80 | | 1,0 | 10/30/2008 | 11 11 | EPA TOI: |
| Ethylbenzene | <0,50 | 0.50 | <2.17 | 2.17 | | 1.0 | 10/30/2008 | ~ ~ | |
| Freon 113 | <0.50 | 0.50 | <3.83 | 3.83 | | 1.0 | 10/30/2008 | ЭO | of #859 |

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage

PRJ0559 Work Order: N_ExxonMobil Buffalo

Project:

10/09/08 Received: 11/03/08 16:35

Reported:

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | | | | | D-4- | | Date | | | |
|---------------------------------|----------------------|------|------------------------|-------|--------------------|----------|------------|----------|------|-----|
| | <u>ppb</u> Result | PQL | <u>ug/m3</u> Result | PQL | Data Qualifiers | Dilution | Analyzed | Analyst | Meth | hod |
| platile Organic Compounds by | EPA TO-15 | | | | | | | | | |
| Sample ID: PRJ0559-05 (Ambient | Air 1) - cont. | | | | | | | Sampled: | | |
| Heptane | <0.50 | 0.50 | <2.05 | 2,05 | | 1.0 | 10/30/2008 |]] | ÉPA | |
| Hexachlorobutadiene | <1.0 | 1.0 | <10.7 | 10.7 | | 1.0 | 10/30/2008 | 11 | EPA | |
| Hexane | <0.50 | 0,50 | <1.76 | 1.76 | | 1.0 | 10/30/2008 | 11 | EPA | |
| m,p-Xylenes | <1.0 | 1.0 | <4,34 | 4.34 | | 1.0 | 10/30/2008 | 11 | EPA | |
| Methylene Chloride | <0.50 | 0.50 | <1.74 | 1,74 | | 1.0 | 10/30/2008 | IJ | EPA | |
| Methyl-tert-butyl Ether (MTBE) | <1.0 | 1.0 | <3.61 | 3.61 | | 1.0 | 10/30/2008 | jj | EPA | |
| o-Xylene | <0.50 | 0.50 | <2.17 | 2.17 | | 1.0 | 10/30/2008 | JJ | EPA | |
| Propene | 5.6 | 0.50 | 9.6 | 0.861 | | 1.0 | 10/30/2008 | | EPA | |
| Styrene | <0.50 | 0.50 | <2.13 | 2.13 | | 1.0 | 10/30/2008 | JI | EPA | |
| Tetrachloroethene | <0.50 | 0.50 | <3.39 | 3.39 | | 1.0 | 10/30/2008 |]] | EPA | |
| Tetrahydrofuran | <2.0 | 2.0 | <5.90 | 5.90 | | 1.0 | 10/30/2008 | IJ | EPA | |
| Toiuene | 0.58 | 0.50 | 2.2 | 1.88 | | 1.0 | 10/30/2008 | JJ | EPA | |
| trans-1,2-Dichloroethene | <0,50 | 0,50 | <1.98 | 1.98 | | 1.0 | 10/30/2008 | JJ | EPA | |
| trans-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 10/30/2008 |]] | EPA | TO |
| Trichloroethene | <0.50 | 0.50 | <2.69 | 2.69 | | 1.0 | 10/30/2008 | 11 | EPA | то |
| Trichlorofluoromethane | <0.50 | 0.50 | <2.81 | 2.81 | | 1.0 | 10/30/2008 | Jl | EPA | то |
| Vinvl Acetate | <0.50 | 0.50 | <1.76 | 1.76 | | 1.0 | 10/30/2008 | JJ | EPA | то |
| Vinyl chloride | <0.50 | 0.50 | <1.28 | 1.28 | | 1.0 | 10/30/2008 | JJ | EPA | то |
| Surrogate: 4-Bromofluorobenzene | 88 % | | Limit 70-130 | | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ0559

Project:

Received: 10/09/08 Reported: 11/03/08 16:35

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | ppl | <u>)v</u> | <u>ug/m3</u> | | Data | | Date | | | |
|----------------------------------|----------------|-----------|--------------|------|------------|----------|------------|----------------|---------------------|--------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Metho | od |
| olatile Organic Compounds by EPA | TO-15 | | | | | | | | | |
| Sample ID: PRJ0559-06 (SV-3) | | | | | | 1.0 | 10/27/2008 | Sampled: JJ | 10/07/08 1 EPA 1 | |
| 1,1,1-Trichloroethane | 32 | 0,50 | 180 | 2.73 | | 1.0 | | 11 | EPA 1 | |
| 1,1,2,2-Tetrachloroethane | <0.50 | 0.50 | <3.43 | 3.43 | | 1.0 | 10/27/2008 |)))) | EPA 1 | |
| 1,1,2-Trichloroethane | <0.50 | 0.50 | <2.73 | 2.73 | | 1.0 | 10/27/2008 | 11 | EPA 1 | |
| 1,1-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 10/27/2008 | 33 33 | EPA 1 | |
| 1,1-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 10/27/2008 | | EPA 1 | |
| 1,2,4-Trichlorobenzene | <2.0 | 2.0 | <14.8 | 14.8 | | 1.0 | 10/27/2008 | JJ | EPA 1 | |
| 1,2,4-Trimethylbenzene | 0.72 | 0.50 | 3.5 | 2.46 | | 1.0 | 10/27/2008 | JJ | EPA 1 | |
| 1,2-Dibromoethane (EDB) | <0,50 | 0.50 | <3.84 | 3.84 | | 1.0 | 10/27/2008 | JJ | EPA 1 | |
| 1,2-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | | 1.0 | 10/27/2008 |]] | | |
| 1,2-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 10/27/2008 | JJ | EPA 1 | |
| 1,2-Dichloropropane | <0.50 | 0.50 | <2.31 | 2,31 | | 1.0 | 10/27/2008 | 11 | EPA C | |
| 1,3,5-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 10/27/2008 | JJ | EPA ' | |
| 1,3-Butadiene | <0.50 | 0,50 | <1.10 | 1.10 | | 1.0 | 10/27/2008 | 11 | EPA 7 | |
| 1,3-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | | 1.0 | 10/27/2008 | 11 | EPA | |
| 1,4-Dichlorobenzene | 1.9 | 0.50 | 11 | 3.01 | | 1.0 | 10/27/2008 | IJ | EPA ' | |
| 2,2,4-Trimethylpentane | <0.50 | 0.50 | <2.34 | 2.34 | | 1.0 | 10/27/2008 | JJ | EPA ' | |
| 2-Butanone (MEK) | 1.8 | 1.0 | 5.3 | 2.95 | | 1.0 | 10/27/2008 | 33 | EPA ' | |
| 2-Hexanone | <1.0 | 1.0 | <4.10 | 4,10 | | 1.0 | 10/27/2008 | 1) | EPA ' | |
| 2-Propanol | <2.0 | 2.0 | <4.92 | 4.92 | | 1.0 | 10/27/2008 | JÌ | EPA ' | |
| 4-Ethyltoluene | 0.56 | 0.50 | 2.8 | 2.46 | | 1.0 | 10/27/2008 | JJ | EPA ' | |
| 4-Methyl-2-pentanone (MIBK) | <1.0 | 1.0 | <4.10 | 4,10 | | 1,0 | 10/27/2008 | 11 | EPA ' | |
| Acetone | <5.0 | 5,0 | <11.9 | 11.9 | | 1.0 | 10/27/2008 | 11 | EPA ' | |
| Allyl Chloride | <0.50 | 0.50 | <1.56 | 1.56 | | 1.0 | 10/27/2008 | ŢŢ | EPA ' | |
| Benzene | 0.51 | 0.50 | 1.6 | 1.60 | | 1.0 | 10/27/2008 | JJ | EPA ' | TC |
| Benzyl Chloride | <2.0 | 2.0 | <10.4 | 10.4 | | 1.0 | 10/27/2008 | 11 | EPA | |
| Bromodichloromethane | <0.50 | 0.50 | <3.35 | 3.35 | | 1.0 | 10/27/2008 | IJ | EPA | TO |
| Bromoethene(Vinyl Bromide) | <0.50 | 0.50 | <2.19 | 2.19 | | 1.0 | 10/27/2008 | 11 | EPA ' | TC |
| Bromoform | <0.50 | 0.50 | <5.17 | 5.17 | | 1.0 | 10/27/2008 | JJ | EPA 1 | TÛ |
| Bromomethane | <0.50 | 0.50 | <1.94 | 1.94 | | 1,0 | 10/27/2008 | 11 | EPA | TC |
| Carbon disulfide | 3.1 | 0.50 | 9.7 | 1.56 | | 1.0 | 10/27/2008 | 11 | EPA | T |
| Carbon tetrachloride | 0.65 | 0.50 | 4,1 | 3.15 | | 1.0 | 10/27/2008 | IJ | EPA | TC |
| Chlorobenzene | <0.50 | 0.50 | <2.30 | 2.30 | | 1.0 | 10/27/2008 | IJ | EPA | TC |
| Chloroethane | <0.50 | 0,50 | <1.32 | 1.32 | | 1.0 | 10/27/2008 | JJ | EPA | TC |
| Chloroform | <0.50 | 0.50 | <2.44 | 2.44 | | 1.0 | 10/27/2008 | IJ | EPA | ТC |
| | <0.50 | 0.50 | <1.03 | 1.03 | | 1.0 | 10/27/2008 | JJ | EPA | TC |
| Chloromethane | <0.50 | 0.50 | <1,98 | 1.98 | | 1.0 | 10/27/2008 | JJ | EPA | тс |
| cis-1,2-Dichloroethene | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 10/27/2008 | IJ | EPA | TC |
| cis-1,3-Dichloropropene | <0.50 | 0.50 | <1.72 | 1.72 | | 1.0 | 10/27/2008 | IJ | EPA | TC |
| Cyclohexane | <0.50 | 0.50 | <4.26 | 4.26 | | 1.0 | 10/27/2008 | 11 | EPA | тс |
| Dibromochloromethane | <0.50 | 0.50 | <2,47 | 2.47 | | 1.0 | 10/27/2008 | | EPA | тc |
| Dichlorodifluoromethane | <0.50 <0.50 | 0.50 | <3,50 | 3.50 | | 1.0 | 10/27/2008 | | EPA | TC |
| Dichlorotetrafiuoroethane(F-114) | | | | 1.80 | | 1.0 | 10/27/2008 | | EPA | |
| Ethyl Acetate | 4,9 | 0.50 | 18 | 2,17 | | 1.0 | 10/27/2008 | | EPA | |
| Ethylbenzene | 0.67 | 0.50 | 2.9 | 3.83 | | 1.0 | 10/27/2008 | din din | ofe@4 | ي ت |
| Freon 113 | <0.50 | 0.50 | <3.83 | 2.02 | | *** | | - S low | 4#6 6¥. | J. |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage

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PRJ0559 Work Order: N_ExxonMobil Buffalo Project:

10/09/08 Received: 11/03/08 16:35

Reported:

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | pp | bv | <u>ug/m3</u> | | Data | | Date | | |
|--------------------------------------|--------|------|--------------|-------|------------|----------|------------|---------|----------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Method |
| Volatile Organic Compounds by EPA | TO-15 | | | | | | | | |
| Sample ID: PRJ0559-06 (SV-3) - cont. | | | | | | | | | 10/07/08 16:06 |
| Hexachlorobutadiene | <1.0 | 1.0 | <10.7 | 10.7 | | 1.0 | 10/27/2008 | ļļ | EPA TO15 |
| Hexane | 1.4 | 0.50 | 4,9 | 1.76 | | 1.0 | 10/27/2008 | 11 | EPA TO15 |
| m,p-Xylenes | <1.0 | 1.0 | <4.34 | 4.34 | | 1.0 | 10/27/2008 | 11 | EPA TO15 |
| Methylene Chloride | 1.5 | 0.50 | 5.2 | 1.74 | | 1.0 | 10/27/2008 | 11 | EPA TO15 |
| Methyl-tert-butyl Ether (MTBE) | <1.0 | 1.0 | <3.61 | 3.61 | | 1.0 | 10/27/2008 | 11 | EPA TO15 |
| o-Xylene | <0.50 | 0.50 | <2.17 | 2.17 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Propene | <0,50 | 0.50 | <0.861 | 0.861 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Styrene | 0.75 | 0.50 | 3.2 | 2,13 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Tetrachloroethene | 1.9 | 0.50 | 13 | 3,39 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Tetrahydrofuran | 2.8 | 2.0 | 8,3 | 5.90 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Toluene | 1.9 | 0.50 | 7,2 | 1.88 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| trans-1.2-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 10/27/2008 | IJ | EPA TO15 |
| trans-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2,27 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Trichloroethene | <0.50 | 0,50 | <2.69 | 2.69 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| | 0.77 | 0.50 | 4.3 | 2.81 | | 1.0 | 10/27/2008 | JJ | EPA TO15 |
| Trichlorofluoromethane | <0.50 | 0,50 | <1.76 | 1.76 | | 1.0 | 10/27/2008 | IJ | EPA TO15 |
| Vinyl Acetate | <0,50 | 0,50 | <1.28 | 1.28 | | 1.0 | 10/27/2008 | | EPA TO15 |
| Vinyl chloride | | 0.50 | | 1.20 | | *** | | | |
| Surrogate: 4-Bromofluorobenzene | 86 % | | Limit 70-130 | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd, Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ0559

Project:

Received: 10/09/08 Reported: 11/03/08 16:35

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | ppl | | <u>ug/m3</u> | TOY | Data Ouclificant | No. 19 | Date Analyzed | A - o Frief | Metho | hn |
|----------------------------------|--------|------|----------------|--------------|---------------------|----------|------------------|--------------|---------------------|----|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzeu | Analyst | | |
| platile Organic Compounds by EPA | TO-15 | | | | | | | | | |
| Sample ID: PRJ0559-07 (SV-12) | | | | | | 2000 | 10/30/2008 | Sampled: | 10/07/08 1 EPA T | |
| 1,1,1-Trichloroethane | <980 | 980 | <5350 | 5350 | | 2000 | | 11 | EPA T | |
| 1,1,2,2-Tetrachloroethane | <980 | 980 | <6730 | 6730 | | 2000 | 10/30/2008 | 33 JJ | EPA T | |
| 1,1,2-Trichloroethane | <980 | 980 | <5350 | 5350 | | 2000 | 10/30/2008 | 11 | EPA 1 | |
| 1,1-Dichloroethane | <980 | 980 | <3970 | 3970 | | 2000 | 10/30/2008 | JJ | EPA J | |
| 1,1-Dichloroethene | <980 | 980 | <3890 | 3890 | | 2000 | 10/30/2008 | | EPA 1 | |
| 1,2,4-Trichlorobenzene | <3900 | 3900 | <28900 | 28900 | | 2000 | 10/30/2008 | JJ | EPA 1 EPA 1 | |
| 1,2,4-Trimethylbenzene | <980 | 980 | <4820 | 4820 | | 2000 | 10/30/2008 |]] | EPA I | |
| 1,2-Dibromoethane (EDB) | <980 | 980 | <7530 | 7530 | | 2000 | 10/30/2008 | JJ | EPA T | |
| 1,2-Dichlorobenzene | <980 | 980 | <5890 | 5890 | | 2000 | 10/30/2008 | IJ | | |
| 1,2-Dichloroethane | <980 | 980 | <3970 | 3970 | | 2000 | 10/30/2008 | IJ | EPA 1 | |
| 1,2-Dichloropropane | <980 | 980 | <4530 | 4530 | | 2000 | 10/30/2008 | . JJ | EPA T | |
| 1,3,5-Trimethylbenzene | <980 | 980 | <4820 | 4820 | | 2000 | 10/30/2008 | , 11 | EPA 1 | |
| 1,3-Butadiene | <980 | 980 | <2160 | 2160 | | 2000 | 10/30/2008 | JJ | EPA 1 | |
| 1,3-Dichlorobenzene | <980 | 980 | <5890 | 5890 | | 2000 | 10/30/2008 | JI | EPA 7 | |
| 1,4-Dichlorobenzene | <980 | 980 | <5890 | 5890 | | 2000 | 10/30/2008 | 11 | EPA 7 | |
| 2-Butanone (MEK) | <2000 | 2000 | <5900 | 5900 | | 2000 | 10/30/2008 | JJ | EPA 7 | |
| 2-Hexanone | <2000 | 2000 | <8190 | 8190 | | 2000 | 10/30/2008 | JJ | EPA 7 | |
| 2-Propanol | <3900 | 3900 | <9590 | 9590 | | 2000 | 10/30/2008 | 11 | EPA 1 | |
| 4-Ethyltoluene | <980 | 980 | <4820 | 4820 | | 2000 | 10/30/2008 | JJ | EPA 1 | |
| 4-Methyl-2-pentanone (MIBK) | <2000 | 2000 | <8190 | 8190 | | 2000 | 10/30/2008 | JJ | EPA 1 | TC |
| Acetone | <9800 | 9800 | <23300 | 23300 | | 2000 | 10/30/2008 | JJ | EPA 1 | TC |
| Allyl Chloride | <980 | 980 | <3070 | 3070 | | 2000 | 10/30/2008 | 11 | EPA 1 | TC |
| Benzene | 18000 | 980 | 58000 | 3130 | | 2000 | 10/30/2008 | 11 | EPA 1 | T |
| Benzyl Chloride | <3900 | 3900 | <20200 | 20200 | | 2000 | 10/30/2008 | IJ | EPA 1 | TC |
| Bromodichloromethane | <980 | 980 | <6570 | 6570 | | 2000 | 10/30/2008 | JJ | EPA 1 | TÇ |
| Bromoethene(Vinyl Bromide) | <980 | 980 | <4290 | 4290 | | 2000 | 10/30/2008 | JJ | EPA T | TC |
| Bromoform | <980 | 980 | <10100 | 10100 | | 2000 | 10/30/2008 | JÌ | EPA 🗅 | Ŧζ |
| Bromomethane | <980 | 980 | <3810 | 3810 | | 2000 | 10/30/2008 | JI | EPA 🗅 | ΤÇ |
| Carbon disulfide | <980 | 980 | <3050 | 3050 | | 2000 | 10/30/2008 | JĴ | EPA 🕻 | TC |
| Carbon tetrachloride | <980 | 980 | <6170 | 6170 | | 2000 | 10/30/2008 | JĴ | EPA [| T(|
| | <980 | 980 | <4510 | 4510 | | 2000 | 10/30/2008 | 11 | EPA 7 | TC |
| Chlorobenzene | <980 | 980 | <2590 | 2590 | | 2000 | 10/30/2008 | IJ | EPA 7 | тc |
| Chloroethane | <980 | 980 | <4780 | 4780 | | 2000 | 10/30/2008 | JJ | EPA . | TC |
| Chloroform | <980 | 980 | <2020 | 2020 | | 2000 | 10/30/2008 | JJ | EPA 7 | T(|
| Chloromethane | | | <3890 | 3890 | | 2000 | 10/30/2008 | JJ | EPA (| T |
| cis-1,2-Dichloroethene | <980 | 980 | <4450 | 4450 | | 2000 | 10/30/2008 | JJ | EPA 1 | T |
| cis-1,3-Dichloropropene | <980 | 980 | <8350 | 8350 | | 2000 | 10/30/2008 | JJ | EPA 1 | TC |
| Dibromochloromethane | <980 | 980 | <8350 <4850 | 4850 | | 2000 | 10/30/2008 | n | EPA | |
| Dichlorodifluoromethane | <980 | 980 | | 4850 6850 | | 2000 | 10/30/2008 | JJ | EPA | |
| Dichlorotetrafluoroethane(F-114) | <980 | 980 | <6850 | 3530 | | 2000 | 10/30/2008 | JJ | EPA ' | |
| Ethyl Acetate | <980 | 980 | <3530 | | | 2000 | 10/30/2008 | 11 | EPA ' | |
| Ethylbenzene | 2000 | 980 | 8700 | 4260 | | | 10/30/2008 | 11 | EPA ' | |
| Freen 113 | <980 | 980 | <7510 | 7510 | | 2000 | 10/30/2008 | 11 | EPA ' | |
| Hexachlorobutadiene | <2000 | 2000 | <21300 | 21300 | | 2000 | 10/20/2008 | 33 | ofe84 | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ0559

Project:

Received: 10/09/08 Reported: 11/03/08 16:35

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | ppl | by | <u>ug/m3</u> | | Data | | Date | | | | |
|-------------------------------------|---------|-------|--------------|-------|------------|----------|------------|----------|-----|------|--|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Met | hod | |
| Volatile Organic Compounds by EPA | TO-15 | | | | | | | | | | |
| Sample ID: PRJ0559-07 (SV-12) - con | t. | | | | | | | Sampled: | | | |
| Methylene Chloride | <980 | 980 | <3400 | 3400 | | 2000 | 10/30/2008 | JJ | | TO15 | |
| Methyl-tert-butyl Ether (MTBE) | <2000 | 2000 | <7210 | 7210 | | 2000 | 10/30/2008 | | | | |
| o-Xylene | <980 | 980 | <4260 | 4260 | | 2000 | 10/30/2008 | | | TO15 | |
| Propene | <980 | 980 | <1690 | 1690 | | 2000 | 10/30/2008 | | | TO15 | |
| Styrene | <980 | 980 | <4170 | 4170 | | 2000 | 10/30/2008 | 11 | | TO15 | |
| Tetrachloroethene | <980 | 980 | <6650 | 6650 | | 2000 | 10/30/2008 | JJ | | TO15 | |
| Tetrahydrofuran | <3900 | 3900 | <11500 | 11500 | | 2000 | 10/30/2008 | JJ | | TO15 | |
| Toluene | <980 | 980 | <3690 | 3690 | | 2000 | 10/30/2008 | IJ | | TO15 | |
| trans-1,2-Dichloroethene | <980 | 980 | <3890 | 3890 | | 2000 | 10/30/2008 | JJ | | TO15 | |
| trans-1,3-Dichloropropene | <980 | 980 | <4450 | 4450 | | 2000 | 10/30/2008 | JI | EPA | TO15 | |
| Trichloroethene | <980 | 980 | <5270 | 5270 | | 2000 | 10/30/2008 | 11 | EPA | TO15 | |
| Trichlorofluoromethane | <980 | 980 | <5510 | 5510 | | 2000 | 10/30/2008 | JJ | EPA | TO15 | |
| Vinyl Acetate | <980 | 980 | <3450 | 3450 | | 2000 | 10/30/2008 | IJ | EPA | TO15 | |
| Vinyl chloride | <980 | 980 | <2510 | 2510 | | 2000 | 10/30/2008 | JJ | EPA | TO15 | |
| Surrogate: 4-Bromofluorobenzene | 84 % | | Limit 70-130 | | | | | | | | |
| Sample ID: PRJ0559-07RE1 (SV-12) | | | | | | | | Sampled: | | | |
| 2,2,4-Trimethylpentane | 670000 | 20000 | 3100000 | 93400 | | 41000 | 10/30/2008 | jj | | T015 | |
| Cyclohexane | 720000 | 20000 | 2500000 | 68800 | | 41009 | 10/30/2008 | JJ | EPA | TO15 | |
| Heptane | 210000 | 20000 | 860000 | 82000 | | 41000 | 10/30/2008 | 11 | EPA | TO15 | |
| Hexane | 1700000 | 20000 | 6000000 | 70500 | | 41000 | 10/30/2008 | JĴ | EPA | TO15 | |
| Surrogate: 4-Bromofluorobenzene | 87 % | | Limit 70-130 | | | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd, Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage

10/09/08 PRJ0559 Received: Work Order: 11/03/08 16:35 Reported: N_ExxonMobil Buffalo Project: Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | <u>ppb</u> Result | <u>v</u> PQL | <u>ug/m3</u> Result | PQL | Data Qualifiers | Dilution | Date Analyzed | Analys | Method |
|-------------------------------------|----------------------|-----------------|------------------------|------|--------------------|----------|------------------|--------|---------------|
| Volatile Organic Compounds by EPA | TO-15 | | | | | | | | |
| Sample ID: PRJ0559-08 (Duplicate 2) | | | | | | | | - | 10/07/08 17:0 |
| 1,1,1-Trichloroethane | 31 | 0.50 | 170 | 2.73 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,1,2,2-Tetrachloroethane | <0.50 | 0.50 | <3.43 | 3.43 | | 1.0 | 10/30/2008 |]] | EPA TOI |
| 1,1,2-Trichloroethane | <0.50 | 0.50 | <2.73 | 2,73 | | 1.0 | 10/30/2008 | JJ | EPA TOI |
| 1,1-Dichloroethene | 0.73 | 0.59 | 2.9 | 1.98 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,2,4-Trichlorobenzene | <2.0 | 2.0 | <14.8 | 14.8 | | 1.0 | 10/30/2008 | JJ | EPA TOI |
| 1,2,4-Trimethylbenzene | 0.53 | 0.50 | 2.6 | 2.46 | ゴ | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,2-Dibromoethane (EDB) | <0,50 | 0.50 | <3.84 | 3.84 | | 1.0 | 10/30/2008 | JJ | EPA TOI |
| 1,2-Dichlorobenzene | <0.50 | 0,50 | <3.01 | 3.01 | | 1.0 | 10/30/2008 | JJ | EPA TO1 |
| 1,2-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 10/30/2008 | JJ | EPA TOI |
| 1,2-Dichloropropane | <0.50 | 0,50 | <2.31 | 2.31 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,3,5-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 10/30/2008 | JJ . | EPA TO1 |
| 1,3-Butadiene | <0.50 | 0,50 | <1.10 | 1.10 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,3-Dichlorobenzene | <0.50 | 0.50 | <3,01 | 3.01 | | 1.0 | 10/30/2008 | 11 | EPA TO |
| 1,4-Dichlorobenzene | 4.9 | 0.50 | 30 | 3.01 | | 1.0 | 10/30/2008 | 11 | ЕРА ТО |
| 2,2,4-Trimethylpentane | 28 | 0.50 | 130 | 2.34 | | 1.0 | 10/30/2008 | JJ | ЕРА ТО |
| 2-Butanone (MEK) | <1.0 | 1.0 | <2.95 | 2.95 | | 1.0 | 10/30/2008 |]] | EPA TO |
| 2-Hexanone | <1.0 | 1.0 | <4.10 | 4.10 | | 1,0 | 10/30/2008 | JJ | έρα το |
| 2-Propanol | <2,0 | 2.0 | <4,92 | 4.92 | | 1.0 | 10/30/2008 | JJ | ΕΡΑ ΤΟ |
| 4-Ethyltoluene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 10/30/2008 | JJ | ΕΡΑ ΤΟ |
| 4-Methyl-2-pentanone (MIBK) | <1.0 | 1.0 | <4.10 | 4.10 | | 1.0 | 10/30/2008 | JJ | ΕΡΑ ΤΟ |
| Acetone | <5.0 | 5.0 | <11.9 | 11.9 | | 1.0 | 10/30/2008 | JJ | ΕΡΑ ΤΟ |
| Allyl Chloride | <0.50 | 0.50 | <1.56 | 1.56 | | 1.0 | 10/30/2008 | JJ | ΕΡΑ ΤΟ |
| Benzene | 3,5 | 0.50 | 11 | 1.69 | | 1.0 | 10/30/2008 | 11 | ЕРА ТО |
| Benzyl Chloride | <2.0 | 2.0 | <10.4 | 10.4 | | 1,0 | 10/30/2008 | JJ | EPA TO |
| Bromodichloromethane | <0.50 | 0,50 | <3.35 | 3.35 | | 1.0 | 10/30/2008 | 33 | ΕΡΑ ΤΟ |
| Bromoethene(Vinyl Bromide) | <0.50 | 0.50 | <2.19 | 2.19 | | 1.0 | 10/30/2008 | JJ | ера то |
| Bromoform | <0.50 | 0.50 | <5,17 | 5.17 | | 1.0 | 10/30/2008 | 11 | ера то |
| Bromomethane | <0.50 | 0.50 | <1.94 | 1,94 | | 1.0 | 10/30/2008 | 11 | EPA TO |
| Carbon disulfide | 12 | 0.50 | 37 | 1.56 | | 1.0 | 10/30/2008 | jj | ЕРА ТО |
| Carbon tetrachloride | <0.50 | 0,50 | <3.15 | 3.15 | | 1.0 | 10/30/2008 | ŢŢ | EPA TO |
| Chlorobenzene | <0,50 | 0.50 | <2.30 | 2.30 | | 1.0 | 10/30/2008 | JI | EPA TO |
| Chloroethane | <0.50 | 0.50 | <1.32 | 1.32 | | 1,0 | 10/30/2008 | JJ | EPA TO |
| Chloroferm | 2.2 | 0.50 | 11 | 2.44 | | 1.0 | 10/30/2008 | 11 | ЕРА ТО |
| Chloromethane | <0.50 | 0.50 | <1.03 | 1.03 | | 1,0 | 10/30/2008 | JJ | EPA TO |
| cis-1,2-Dichloroethene | 48 | 0.50 | 190 | 1.98 | | 1.0 | 10/30/2008 | 11 | ЕРА ТО |
| cis-1,3-Dichloropropene | <0,50 | 0,50 | <2.27 | 2,27 | | 1.0 | 10/30/2008 | IJ | EPA TO |
| Dibromochloromethane | <0.50 | 0.50 | <4.26 | 4.26 | | 1.0 | 10/30/2008 | JJ | ΕΡΑ ΤΟ |
| Dichlorodifluoromethane | <0.50 | 0.50 | <2,47 | 2.47 | | 1.0 | 10/30/2008 | JJ | έρα το |
| Dichlorotetrafiuoroethane(F-114) | <0.50 | 0.50 | <3,50 | 3.50 | | 1.0 | 10/30/2008 | JJ | ΕΡΑ ΤΟ |
| Ethyl Acetate | <0,50 | 0.50 | <1.80 | 1.80 | | 1.0 | 10/30/2008 | IJ | EPA TO |
| Ethylionzene | <0.50 | 0.50 | <2.17 | 2.17 | | 1.0 | 10/30/2008 | IJ | EPA TO |
| Freen 113 | <0.50 | 0.50 | <3.83 | 3.83 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| | 7.7 | 0.50 | 32 | 2.05 | | 1.0 | 10/30/2008 | 11 | ера то |
| Heptane | <1.0 | 1.0 | <10.7 | 10.7 | | 1,0 | 10/30/2008 | 46 | nferado |
| Hexachlorobutadiene m.p-Xylenes | <1.0 | 1.0 | <4.34 | 4.34 | | 1.0 | 10/30/2008 | JJ | EPA TO |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ0559

Project:

Received: 10/09/08 Reported: 11/03/08 16:35

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | dqq | V | <u>ug/m3</u> | | Data | | Date | | | |
|--|------------|------|--------------|-------|------------|----------|------------|----------|-----|------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Met | hod |
| Volatile Organic Compounds by I | EPA TO-15 | | | | | | | | | |
| Sample ID: PRJ0559-08 (Duplicate | 2) - cont. | | | | | | | Sampled: | | |
| Methylene Chloride | <0.50 | 0.50 | <1.74 | 1.74 | | 1.0 | 10/30/2008 |]] | | TO15 |
| Methyl-tert-butyl Ether (MTBE) | <1.0 | 1.0 | <3.61 | 3.61 | | 1.0 | 10/30/2008 | JJ | | TO15 |
| o-Xylene | <0.50 | 0.50 | <2.17 | 2.17 | | 1.0 | 10/30/2008 |]] | | TO15 |
| Propene | 15 | 0.50 | 26 | 0.861 | | 1.0 | 10/30/2008 | ĴЈ | | TO15 |
| Styrene | 0,72 | 0.50 | 3.1 | 2.13 | J | 1.0 | 10/30/2008 | 11 | | TO15 |
| Tetrachloroethene | 29 | 0.50 | 200 | 3.39 | | 1.0 | 10/30/2008 | JĴ | | TO15 |
| Tetrahydrofuran | <2.0 | 2.0 | <5.90 | 5,90 | | 1.0 | 10/30/2008 | JJ | | TO15 |
| Toluene | 2.6 | 0.50 | 9.8 | 1.88 | | 1.0 | 10/30/2008 | JJ | EPA | TO15 |
| trans-1.2-Dichloroethene | <0.50 | 0,50 | <1.98 | 1.98 | | 1.0 | 10/30/2008 | JJ | EPA | TO15 |
| trans-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 10/30/2008 | JJ | EPA | TO15 |
| Trichloroethene | 22 | 0,50 | 120 | 2.69 | | 1.0 | 10/30/2008 | 11 | EPA | TO15 |
| Trichlorofluoromethane | <0,50 | 0.50 | <2.81 | 2.81 | | 1.0 | 10/30/2008 | JJ | EPA | TO15 |
| Vinyl Acetate | <0,50 | 0.50 | <1.76 | 1.76 | | 1.0 | 10/30/2008 |]] | EPA | TO15 |
| Vinyl chloride | <0.50 | 0.50 | <1.28 | 1.28 | | 1.0 | 10/30/2008 | JJ | EPA | TO15 |
| vinyi canonac Surrogate: 4-Bromofluorobenzene | 83 % | | Limit 70-130 | | | | | | | |
| Sample ID: PRJ0559-08RE1 (Duplie | cate 2) | | | | | | | Sampled: | | |
| 1.1-Dichloroethane | 73 | 5.0 | 300 | 20.2 | | 10 | 10/30/2008 | JJ | | TO15 |
| Hexane | 140 | 5.0 | 490 | 17.6 | | 10 | 10/30/2008 | JJ | EPA | TO15 |
| Surrogate: 4-Bromofluorobenzene | 79 % | | Limit 70-130 | | | | | | | |
| cy elo hexane | 72 | | 250 | | | 0 | 10/30/08 | } | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ0559

Project:

Received: 10/09/08 Reported: 11/03/08 16:35

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | <u>pp</u> Result | <u>bv</u> PQL | <u>ug/m3</u> Result | PQL | Data Qualifiers | Dilution | Date Analyzed | Analyst | Method |
|-------------------------------------|---------------------|------------------|------------------------|------|--------------------|----------|--------------------------|----------|---------------|
| | | * ~~~ | | | | | | | |
| olatile Organic Compounds by EPA | TO-15 | | | | | | | Samalada | 10/07/08 17:4 |
| Sample ID: PRJ0559-09 (Duplicate 1) | | 0.50 | (0) | 2.73 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,1,1-Trichloroethane | 11 | 0.50 | 60 <3,43 | 3.43 | | 1.0 | 10/30/2008 | JJ | EPA TOI |
| 1,1,2,2-Tetrachloroethane | <0.50 | 0.50 | <2.73 | 2.73 | | 1.0 | 10/30/2008 | IJ | EPA TO |
| 1,1,2-Trichloroethane | <0.50 | 0.50 | <2.73 | 2.02 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,1-Dichloroethane | <0,50 | 0.50 | <1.98 | 1.98 | | 1.0 | 10/30/2008 |]] | EPA TO |
| 1,1-Dichloroethene | <0.50 | 0.50 | <1.96 <14,8 | 1.98 | | 1.0 | 10/30/2008 | 11 | EPA TO |
| 1,2,4-Trichlorobenzene | <2.0 | 2.0 | | 2.46 | | 1.0 | 10/30/2008 | IJ | EPA TO |
| 1,2,4-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 3.84 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,2-Dibromoethane (EDB) | <0.50 | 0.50 | <3.84 | 3.04 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,2-Dichlorobenzene | <0.50 | 0.50 | <3.01 | | | 1.0 | 10/30/2008 |)J | EPA TO |
| 1,2-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,2-Dichloropropane | <0.50 | 0.50 | <2.31 | 2.31 | | 1.0 | 10/30/2008 | JI | EPA TO |
| 1,3,5-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,3-Butadiene | <0.50 | 0.50 | <1.10 | 1.10 | | 1.0 | 10/30/2008 | 11 | EPA TO |
| 1,3-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 1,4-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | | 1.0 | 10/30/2008 | 11 | EPA TO |
| 2,2,4-Trimethylpentane | 29 | 0.50 | 140 | 2,34 | | 1.0 | 10/30/2008 | 33 33 | EPA TO |
| 2-Butanone (MEK) | <1.0 | 1.0 | <2.95 | 2.95 | | 1.0 | 10/30/2008 | 11 | EPA TO |
| 2-Hexanone | <1.0 | 1.0 | <4.10 | 4.10 | | 1.0 | 10/30/2008 | JJ | EPA TO |
| 2-Propanol | <2.0 | 2.0 | <4.92 | 4.92 | | 1.0 | 10/30/2008 | | EPA TO |
| 4-Ethyltoluene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 10/30/2008 | | EPA TO |
| 4-Methyl-2-pentanone (MIBK) | <1.0 | 1.0 | <4.10 | 4.10 | | 1.0 | 10/30/2008 | | EPA TO |
| Acetone | <5.0 | 5.0 | <11.9 | 11.9 | | 1.0 | 10/30/2008 | | EPA TO |
| Allyl Chloride | <0.50 | 0.50 | <1.56 | 1.56 | | 1.0 | 10/30/2008 | | EPA TO |
| Benzene | 1.2 | 0.50 | 3.8 | 1,60 | | 1.0 | 10/30/2008 | | EPA TO |
| Benzyl Chloride | <2.0 | 2.0 | <10.4 | 10.4 | | 1.0 | 10/30/2008 | | EPA TO |
| Bromodichloromethane | <0.50 | 0.50 | <3.35 | 3.35 | | 1.0 | 10/30/2008 | | EPA TO |
| Bromoethene(Vinyl Bromide) | <0.50 | 0.50 | <2.19 | 2.19 | | 1.0 | 10/30/2008 | | EPA TO |
| Bromoform | <0.50 | 0,50 | <5.17 | 5.17 | | | 10/30/2008 | | EPA TO |
| Bromomethane | <0.50 | 0.50 | <1.94 | 1.94 | | 1.0 | 10/30/2008 | | EPA T |
| Carbon disulfide | 3.0 | 0.50 | 9.3 | 1.56 | | 1.0 | 10/30/2008 | | EPA TO |
| Carbon tetrachloride | <0.50 | 0.50 | <3.15 | 3.15 | | 1.0 | 10/30/2008 | | EPA TO |
| Chlorobenzene | <0.50 | 0.50 | <2.30 | 2.30 | | 1.0 | 10/30/2008 | | EPA TO |
| Chloroethane | <0.50 | 0.50 | <1.32 | 1.32 | | 1.0 | 10/30/2008 | | EPA TO |
| Chloroform | <0.50 | 0.50 | <2.44 | 2.44 | | 1.0 | | | EPA T |
| Chloromethane | 0.59 | 0.50 | 1.2 | 1.03 | | 1.0 | 10/30/2008 10/30/2008 | | EPA TO |
| cis-1,2-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 10/30/2008 | | EPA TO |
| cis-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2,27 | | 1.0 | 10/30/2008 | | EPA T |
| Cyclohexane | 32 | 0.50 | 110 | 1.72 | | 1.0 | 10/30/2008 | | EPA TO |
| Dibromochloromethane | <0.50 | 0.50 | <4.26 | 4,26 | | 1,0 | 10/30/2008 | | EPA TO |
| Dichlorodifluoromethane | <0.50 | 0.50 | <2.47 | 2.47 | | 1.0 | 10/30/2008 | | EPA TO |
| Dichlorotetrafluoroethane(F-114) | <0.50 | 0.50 | <3.50 | 3,50 | | 1.0 | 10/30/2008 | | EPA TO |
| Ethyl Acetate | <0.50 | 0.50 | <1.80 | 1.80 | | 1.0 | 10/30/2008 | | EPA TO |
| Ethylbenzene | <0.50 | 0.50 | <2.17 | 2.17 | | 1.0 | | | ofenso |
| Freon 113 | <0.50 | 0.50 | <3.83 | 3.83 | | 1.0 | 10/30/2008 | 38 | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ0559
Project: N_Exxon

Received: 10/09/08 Reported: 11/03/08 16:35

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | ppl | <u>)v</u> | ug/m3 | | Data | | Date | | Met | had |
|------------------------------------|-----------|-----------|--------------|-------|------------|----------|------------|----------|-------|-------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | . Meu | nou |
| olatile Organic Compounds by El | PA TO-15 | | | | | | | | | |
| Sample ID: PRJ0559-09 (Duplicate 1 |) - cont. | | | | | | | Sampled: | | |
| Hexachlorobutadiene | <1.0 | 1.0 | <10.7 | 10.7 | | 1.0 | 10/30/2008 | lì | | TO15 |
| Hexane | 32 | 0.50 | 110 | 1.76 | | 1.0 | 10/30/2008 | 33 | | TO1: |
| m,p-Xylenes | <1.0 | 1.0 | <4.34 | 4,34 | | 1.0 | 10/30/2008 | JJ | | TOIS |
| Methylene Chloride | 7.9 | 0.50 | 27 | 1.74 | | 1.0 | 10/30/2008 | 31 | EPA | TOI |
| Methyl-tert-butyl Ether (MTBE) | <1.0 | 1.0 | <3.61 | 3.61 | | 1.0 | 10/30/2008 | 11 | EPA | TOI |
| o-Xylene | < 0.50 | 0.50 | <2.17 | 2.17 | | 1.0 | 10/30/2008 | JJ | EPA | TO1 |
| Propene | 14 | 0.50 | 24 | 0,861 | | 1.0 | 10/30/2008 | 11 | EPA | TOI |
| Styrene | <0.50 | 0.50 | <2.13 | 2.13 | | 1.0 | 10/30/2008 | 11 | EPA | TOI |
| Tetrachloroethene | 2.6 | 0.50 | 18 | 3.39 | | 1.0 | 10/30/2008 | 11 | EPA | TOI |
| Tetrahydrofuran | <2.0 | 2.0 | <5.90 | 5.90 | | 1.0 | 10/30/2008 | JJ | EPA | TOI |
| Toluene | 1.3 | 0.50 | 4.9 | 1.88 | | 1.0 | 10/30/2008 | JJ | EPA | TO 1 |
| trans-1,2-Dichloroethene | <0.50 | 0,50 | <1.98 | 1.98 | | 1.0 | 10/30/2008 | JJ | EPA | TOI |
| | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 10/30/2008 | JJ | EPA | TO1 |
| trans-1,3-Dichloropropene | <0.50 | 0.50 | <2.69 | 2.69 | | 1.0 | 10/30/2008 | JJ | EPA | TO1 |
| Trichloroethene | <0.50 | 0.50 | <2.81 | 2.81 | | 1.0 | 10/30/2008 | 11 | EPA | TO1 |
| Trichlorofluoromethane | | 0.50 | <1.76 | 1.76 | | 1.0 | 10/30/2008 | JJ | EPA | TOI |
| Vinyl Acetate | <0.50 | | <1.78 | 1.70 | | 1.0 | 10/30/2008 | | EPA | TOI |
| Vinyl chloride | <0.50 | 0.50 | | 1.20 | | | 1010000000 | | | |
| Surrogate: 4-Bromofluorobenzene | 78 % | | Limit 70-130 | | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204

Gail Lage

Work Order: PRJ0559

Received: 10/09/08 Reported: 11/03/08 16:35

Project: N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | ppb | v | <u>ug/m3</u> | | Data | | Date | | | |
|-------------------------------------|--------|------|--------------|------|------------|----------|------------|----------|-----------------|---------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Metl | nod |
| Volatile Organic Compounds by EPA | TO-15 | | | | | | | | | |
| Sample ID: PRJ0559-10 (Ambient Air) | | | | | | 1.0 | | Sampled: | 10/07/08 FPA | 20:35 TO15 |
| 1,1,1-Trichloroethane | <0.50 | 0,50 | <2.73 | 2.73 | | 1.0 | 10/30/2008 |]]]? | | TOIS |
| 1,1,2,2-Tetrachloroethane | <0.50 | 0.50 | <3.43 | 3.43 | | 1.0 | 10/30/2008 | | | TO1: |
| 1,1,2-Trichloroethane | <0.50 | 0.50 | <2.73 | 2,73 | | 1.0 | 10/30/2008 | IJ | EPA | |
| 1,1-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 10/30/2008 | n | | |
| 1,1-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 10/30/2008 | 11 | EPA | |
| 1,2,4-Trichlorobenzene | <2.0 | 2.0 | <14.8 | 14.8 | | 1.0 | 10/30/2008 | JJ | EPA | |
| 1,2,4-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 10/30/2008 | 11 | EPA | |
| 1,2-Dibromoethane (EDB) | <0,50 | 0.50 | <3.84 | 3.84 | | 1.0 | 10/30/2008 | IJ | EPA | |
| 1,2-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | | 1,0 | 10/30/2008 | 11 | EPA | |
| 1,2-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 10/30/2008 | 11 | | TO1 |
| 1,2-Dichloropropane | <0.50 | 0.50 | <2.31 | 2.31 | | 1,0 | 10/30/2008 | 11 | EPA | |
| 1,3,5-Trimethylbenzene | <0.50 | 0.50 | <2,46 | 2.46 | | 1.0 | 10/30/2008 | JJ | | TO1 |
| 1,3-Butadiene | <0.50 | 0,50 | <1.10 | 1,10 | | 1.0 | 10/30/2008 | IJ | | TO1 |
| 1,3-Dichlorobenzene | 1.5 | 0.50 | 9.0 | 3.01 | | 1.0 | 10/30/2008 | 33 | EPA | |
| 1.4-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | | 1.0 | 10/30/2008 | IJ | EPA | |
| 2,2,4-Trimethylpentane | 2.4 | 0.50 | 11 | 2.34 | | 1.0 | 10/30/2008 | 11 | EPA | |
| 2-Butanone (MEK) | 4.1 | 1.0 | 12 | 2.95 | | 1.0 | 10/30/2008 | JJ | EPA | TO |
| 2-Hexanone | <1,0 | 1,0 | <4.10 | 4.10 | | 1.0 | 10/30/2008 | JJ | EPA | TOT |
| 2-Propanol | 9.3 | 2.0 | 23 | 4.92 | | 1.0 | 10/30/2008 | JJ | EPA | то |
| 4-Ethyltoluene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 10/30/2008 | jj | EPA | TO |
| 4-Methyl-2-pentanone (MIBK) | <1.0 | 1.0 | <4.10 | 4.10 | | 1.0 | 10/30/2008 | IJ | EPA | TO |
| Allyl Chloride | <0.50 | 0.50 | <1,56 | 1.56 | | 1.0 | 10/30/2008 | IJ | EPA | TO |
| Benzene | 0.50 | 0.50 | 1.6 | 1.60 | | 1.0 | 10/30/2008 | JJ | EPA | TO |
| Benzyl Chloride | <2,0 | 2.0 | <10.4 | 10.4 | | 1.0 | 10/30/2008 | JJ | EPA | TO |
| Bromodichloromethane | <0.50 | 0,50 | <3.35 | 3.35 | | 1.0 | 10/30/2008 | Jĭ | EPA | TO |
| | <0.50 | 0.50 | <2.19 | 2.19 | | 1.0 | 10/30/2008 | JJ | EPA | TO |
| Bromoethene(Vinyl Bromide) | <0.50 | 0.50 | <5.17 | 5,17 | | 1.0 | 10/30/2008 | JJ | EPA | TO |
| Bromoform | <0.50 | 0.50 | <1.94 | 1.94 | | 1.0 | 10/30/2008 | JJ | EPA | TO |
| Bromomethane | <0.50 | 0.50 | <1.56 | 1.56 | | 1.0 | 10/30/2008 | JJ | EPA | TO |
| Carbon disulfide | <0.50 | 0.50 | <3,15 | 3.15 | | 1.0 | 10/30/2008 | 11 | EPA | TÖ |
| Carbon tetrachloride | | 0.50 | <2.30 | 2.30 | | 1.0 | 10/30/2008 | JI | EPA | TO |
| Chlorobenzene | <0.50 | 0.50 | <1.32 | 1.32 | | 1.0 | 10/30/2008 | JJ | EPA | TO |
| Chloroethane | <0.50 | 0.50 | <2.44 | 2.44 | | 1.0 | 10/30/2008 | | EPA | TO |
| Chloroform | <0.50 | | | 1.03 | | 1.0 | 10/30/2008 | | EPA | то |
| Chloromethane | 1.8 | 0.50 | 3.7 | 1.03 | | 1.0 | 10/30/2008 | | EPA | то |
| cis-1,2-Dichloroethene | <0.50 | 0.50 | <1.98 | 2.27 | | 1.0 | 10/30/2008 | | EPA | TO |
| cis-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | | | 1.0 | 10/30/2008 | | | то |
| Cyclohexane | 1.8 | 0.50 | 6.2 | 1.72 | | 1.0 | 10/30/2008 | | | то |
| Dibromochloromethane | <0.50 | 0.50 | <4.26 | 4.26 | | 1.0 | 10/30/2008 | | | то |
| Dichlorodifluoromethane | <0.50 | 0.50 | <2.47 | 2.47 | | | 10/30/2008 | | | то |
| Dichlorotetrafluoroethane(F-114) | <0.50 | 0.50 | <3.50 | 3.50 | | 1,0 | | | | то |
| Ethyl Acetate | <0.50 | 0,50 | <1.80 | 1.80 | | 1.0 | 10/30/2008 | | | . 10 . TO |
| Ethylbenzene | <0.50 | 0.50 | <2.17 | 2.17 | | 1.0 | 10/30/2008 | | | |
| Freon 113 | <0.50 | 0.50 | <3.83 | 3,83 | | 1.0 | 10/30/2008 | 60 | EPA | TO Fá |
| Heptane | 0.68 | 0.50 | 2.8 | 2.05 | | 1.0 | 10/30/2008 | | OIE | 59 |
| Hexachlorobutadiene | <1,0 | 1.0 | <10,7 | 10.7 | | 1.0 | 10/30/2008 | JJ | EPA | TO |

Page 21 of 39

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage

PRJ0559 Work Order: N_ExxonMobil Buffalo Project:

10/09/08 Received: 11/03/08 16:35 Reported:

Project Number: Exxon 3-1010 Buffalo / NRJ1277

| | ppt | <u>vv</u> | <u>ug/m3</u> | | Data | | Date | | | |
|---------------------------------|--------------|-----------|--------------|-------|------------|----------|------------|----------|------|------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Meti | hod |
| olatile Organic Compounds by | EPA TO-15 | | | | | | | | | |
| Sample ID: PRJ0559-10 (Ambient | Air) - cont. | | | | | | | Sampled: | | |
| Hexane | 1.2 | 0.50 | 4.2 | 1.76 | | 1.0 | 10/30/2008 | 11 1 | | TO15 |
| m,p-Xylenes | <1.0 | 1,0 | <4.34 | 4,34 | | 1.0 | 10/30/2008 | 33 | | TO15 |
| Methylene Chloride | 1.7 | 0.50 | 5.9 | 1.74 | | 1.0 | 10/30/2008 | IJ | | TO15 |
| Methyl-tert-butyl Ether (MTBE) | <1.0 | 1.0 | <3.61 | 3.61 | | 1.0 | 10/30/2008 | 11 | | TO15 |
| o-Xylene | <0,50 | 0.50 | <2.17 | 2.17 | | 1.0 | 10/30/2008 | JJ | | TO15 |
| Propene | 6.8 | 0.50 | 12 | 0.861 | | 1.0 | 10/30/2008 | 11 | | TO15 |
| Styrene | <0.50 | 0.50 | <2.13 | 2.13 | | 1.0 | 10/30/2008 | JJ | | TO15 |
| Tetrachloroethene | <0.50 | 0.50 | <3.39 | 3.39 | | 1.0 | 10/30/2008 | JJ | | TO15 |
| Tetrahydrofuran | <2.0 | 2.0 | <5.90 | 5.90 | | 1.0 | 10/30/2008 | 33 | | TO15 |
| Toluene | 1.3 | 0.50 | 4.9 | 1.88 | | 1.0 | 10/30/2008 | JJ | | TO15 |
| trans-1.2-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 10/30/2008 | JJ . | | TO15 |
| trans-1,3-Dichloropropene | <0.50 | 0,50 | <2.27 | 2.27 | | 1.0 | 10/30/2008 | IJ | ÉPA | TO15 |
| Trichloroethene | <0.50 | 0.50 | <2.69 | 2.69 | | 1.0 | 10/30/2008 | IJ | EPA | TO15 |
| Trichlorofluoromethane | <0.50 | 0.50 | <2.81 | 2.81 | | 1.0 | 10/30/2008 | JJ | EPA | TO15 |
| Vinyl Acetate | <0.50 | 0.50 | <1.76 | 1.76 | | 1.0 | 10/30/2008 | JJ | EPA | TO15 |
| Vinyl chloride | <0.50 | 0.50 | <1.28 | 1.28 | | 1.0 | 10/30/2008 | JJ | EPA | TO15 |
| Surrogate: 4-Bromofluorobenzene | 80 % | i | Limit 70-130 | | | | | | | |
| Sample ID: PRJ0559-10RE1 (Ambi | ient Air) | | | | | | | Sampled: | | |
| Acetone | 66 | 10 | 160 | 23.8 | | 2.0 | 10/30/2008 | 11 | EPA | TO15 |
| Surrogate: 4-Bromofluorobenzene | 82 % | | Limit 70-130 | | | | | | | |



THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Nashville

Gail Lage

2960 Foster Creighton Drive Nashville, TN 37204 4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

| Work Order: | | Received: Reported: | |
|-------------|--|------------------------|--|
| | N_ExxonMobil Buffalo Exxon 3-1010 Buffalo / NRK | 0367 | |

| | ppl | w | ug/m3 | | Data | | Date | | | |
|----------------------------------|--------------|------------|--------------|------------|------------|----------|------------|------------|---------|-----------------------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Metl | hod |
| olatile Organic Compounds by | EPA TO-15 | | | | | | | | | |
| Sample ID: PRJ1586-01 (NRK036 | 7-01 (SV-1)) | | | | | | | Sampled: | | |
| 1,1,1-Trichloroethane | <100 | 100 | <546 | 546 | | 200 | 11/13/2008 | JJ | EPA | |
| 1,1,2,2-Tetrachloroethane | <100 | 100 | <687 | 687 | | 200 | 11/13/2008 | JÌ | EPA | |
| 1,1,2-Trichloroethane | <100 | 100 | <546 | 546 | | 200 | 11/13/2008 | IJ | EPA | |
| 1,1-Dichloroethane | <100 | 100 | <405 | 405 | | 200 | 11/13/2008 | 33 | EPA | |
| 1,1-Dichloroethene | <100 | 100 | <396 | 396 | | 200 | 11/13/2008 |]] | EPA | |
| 1,2,4-Trichlorobenzene | <400 | 400 | <2970 | 2970 | C, L | 200 | 11/13/2008 | 11 | EPA | |
| 1,2,4-Trimethylbenzene | <100 | 100 | <492 | 492 | | 200 | 11/13/2008 | J] | EPA | |
| 1,2-Dibromoethane (EDB) | <100 | 100 | <768 | 768 | | 200 | 11/13/2008 | 11 | EPA | |
| 1,2-Dichlorobenzene | <100 | 100 | <601 | 601 | | 200 | 11/13/2008 | JJ | EPA | |
| 1,2-Dichloroethane | <100 | 100 | <405 | 405 | | 200 | 11/13/2008 | JJ | EPA | |
| 1,2-Dichloropropane | <100 | 100 | <462 | 462 | | 200 | 11/13/2008 | JJ | EPA | |
| 1,3,5-Trimethylbenzene | <100 | 100 | <492 | 492 | | 200 | 11/13/2008 | JJ | EPA | |
| 1,3-Butadiene | <100 | 100 | <221 | 221 | | 200 | 11/13/2008 | JJ | EPA | TO |
| 1,3-Dichlorobenzene | <100 | 100 | <601 | 601 | | 200 | 11/13/2008 | JJ | EPA | |
| 1,4-Dichlorobenzene | <100 | 100 | <601 | 601 | | 200 | 11/13/2008 |]] | EPA | TO |
| 2,2,4-Trimethylpentane | 3800 | 100 | 18000 | 467 | | 200 | 11/13/2008 | JJ | EPA | то |
| 2-Butanone (MEK) | <200 | 200 | <590 | 590 | | 200 | 11/13/2008 | J] | EPA | |
| 2-Hexanone | <200 | 200 | <819 | 819 | | 200 | 11/13/2008 | JJ | EPA | то |
| 2-Propanol | <400 | 400 | <983 | 983 | | 200 | 11/13/2008 | IJ | EPA | TO |
| 4-Ethyltoluene | <100 | 100 | <492 | 492 | | 200 | 11/13/2008 | JJ | EPA | TO |
| 4-Methyl-2-pentanone (MIBK) | <200 | 200 | <819 | 819 | | 200 | 11/13/2008 | JJ | EPA | то |
| Acetone | <1000 | 1000 | <2380 | 2380 | | 200 | 11/13/2008 | 11 | EPA | TO |
| Allyl Chloride | <100 | 100 | <313 | 313 | | 200 | 11/13/2008 | IJ | EPA | TO |
| Benzenc | <100 | 100 | <319 | 319 | | 200 | 11/13/2008 | 11 | EPA | то |
| Benzyl Chloride | <400 | 400 | <2070 | 2070 | | 200 | 11/13/2008 | 11 | EPA | TO |
| Bromodichloromethane | <100 | 100 | <670 | 670 | | 200 | 11/13/2008 | 11 | EPA | TO |
| Bromoethene(Vinyl Bromide) | <100 | 100 | <438 | 438 | | 200 | 11/13/2008 | JJ | EPA | TO |
| Bromoform | <100 | 100 | <1030 | 1030 | | 200 | 11/13/2008 | 11 | EPA | TO |
| Bromomethane | <100 | 100 | <388 | 388 | | 200 | 11/13/2008 | 11 | EPA | TO |
| Carbon disulfide | <100 | 100 | <311 | 311 | | 200 | 11/13/2008 | 11 | EPA | TO |
| Carbon tetrachloride | <100 | 100 | <629 | 629 | | 200 | 11/13/2008 | IJ | EPA | TO |
| Chlorobenzene | <100 | 100 | <460 | 460 | | 200 | 11/13/2008 | 11 | EPA | TO |
| | <100 | 100 | <264 | 264 | | 200 | 11/13/2008 | JJ | EPA | TO |
| Chloroethane Chloroform | <100 | 100 | <488 | 488 | | 200 | 11/13/2008 | 11 | EPA | то |
| Chloromethane | <100 | 100 | <206 | 206 | | 200 | 11/13/2008 | JJ | EPA | то |
| | <100 | 100 | <396 | 396 | | 200 | 11/13/2008 | 11 | EPA | то |
| cis-1,2-Dichloroethene | <100 | 100 | <454 | 454 | | 200 | 11/13/2008 | JJ | EPA | то |
| cis-1,3-Dichloropropene | 1500 | 100 | 5200 | 344 | | 200 | 11/13/2008 | IJ | EPA | то |
| Cyclohexane | <100 | 100 | | 344 852 | | 200 | 11/13/2008 | JJ | EPA | |
| Dibromochloromethane | | 100 | <852 | 495 | | 200 | 11/13/2008 | ίι | EPA | |
| Dichlorodifluoromethane | <100 | | <699 | 490 699 | | 200 | 11/13/2008 | 11 | EPA | |
| Dichlorotetrafluoroethane(F-114) | <100 | 100 | <360 | 360 | | 200 | 11/13/2008 | •1111 | - A"EPA | d G |
| Ethyl Acetate | <100 <100 | 100 100 | <360 <434 | 360 434 | | 200 | 11/13/2008 | 14 | OI 3 | $\mathbf{Q}_{\alpha}^{\pi}$ |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage

PRJ1586 Work Order:

10/30/08 Received:

N_ExxonMobil Buffalo Project Number: Exxon 3-1010 Buffalo / NRK0367

11/26/08 14:55 Reported:

Project:

| | pp | <u>)v</u> | <u>ug/m3</u> | | Data | | Date | | |
|----------------------------------|---------------|-----------|--------------|------|------------|----------|------------|---------|----------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Method |
| Volatile Organic Compounds by E | PA TO-15 | | | | | | | | |
| Sample ID: PRJ1586-01 (NRK0367-0 | 1 (SV-1)) - c | ont. | | | | | | | 10/28/08 16:10 |
| Freon 113 | <100 | 100 | <766 | 766 | | 200 | 11/13/2008 | JJ | EPA TO15 |
| Heptane | <100 | 100 | <410 | 410 | | 200 | 11/13/2008 | jj | EPA TO15 |
| Hexachlorobutadiene | <200 | 200 | <2130 | 2130 | C, L | 200 | 11/13/2008 | JJ | EPA TO15 |
| Hexane | 160 | 100 | 560 | 352 | | 200 | 11/13/2008 | JJ | EPA TO15 |
| m,p-Xylenes | <200 | 200 | <868 | 868 | | 200 | 11/13/2008 | JJ | EPA TO15 |
| Methylene Chloride | <100 | 100 | <347 | 347 | | 200 | 11/13/2008 |]] | EPA TO15 |
| Methyl-tert-butyl Ether (MTBE) | <200 | 200 | <721 | 721 | | 200 | 11/13/2008 | JJ | EPA TO15 |
| o-Xylene | <100 | 100 | <434 | 434 | | 200 | 11/13/2008 | JJ | EPA TO15 |
| Propene | <100 | 100 | <172 | 172 | | 200 | 11/13/2008 |]] | EPA TO15 |
| Styrene | <100 | 100 | <426 | 426 | | 200 | 11/13/2008 | 11 | EPA TO15 |
| Tetrachloroethene | <100 | 100 | <678 | 678 | | 200 | 11/13/2008 | 11 | EPA TO15 |
| Tetrahydrofuran | <400 | 400 | <1180 | 1180 | | 200 | 11/13/2008 | 11 | EPA TO15 |
| Toluene | <100 | 100 | <377 | 377 | | 200 | 11/13/2008 | JJ | EPA TO15 |
| trans-1,2-Dichloroethene | <100 | 100 | <396 | 396 | | 200 | 11/13/2008 | ĴĴ | EPA TO15 |
| trans-1,3-Dichloropropene | <100 | 100 | <454 | 454 | | 200 | 11/13/2008 | JJ | EPA TO15 |
| Trichloroethene | <100 | 100 | <537 | 537 | | 200 | 11/13/2008 | JI | EPA TO15 |
| Trichlorofluoromethane | <100 | 100 | <562 | 562 | | 200 | 11/13/2008 | · JJ | EPA TO15 |
| Vinyl Acetate | <100 | 100 | <352 | 352 | | 200 | 11/13/2008 | JJ | EPA TO15 |
| Vinyl chloride | <100 | 100 | <256 | 256 | | 200 | 11/13/2008 |]] | EPA TO15 |
| Surrogate: 4-Bromofluorobenzene | 88 % | | Limit 70~130 | | | | | | |



THE LEADER IN ENVIRONMENTAL TESTING

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4626 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

| | • | | . • | | | | Ĩ |
|-----------------------------|-----|----------------|-----------------|-----------|-----------|-------------|---|
| TestAmerica Nashville | | Work Order: | PRJ1586 | | Received: | 10/30/08 | |
| 2960 Foster Creighton Drive | | | e trade | | Reported: | 11/26/08 14 | H55 |
| Nashville, TN 37204 | | Project: | N_ExxonMobil | | | | and the second se |
| Gail Lage | | Project Number | r: Exxon 3-1010 | Buffalo / | NRK0367 | | |
| | 1.5 | | ·· . | | - · | | |

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| | ppl | by | <u>ug/m3</u> | Ϋ́. | Data | | Date | | |
|----------------------------------|-----------------|--------------|-----------------|------------------------|------------|--------------|--------------------------|----------|----------------------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analys | Method |
| olatile Organic Compounds by | y EPA TO-15 | e + 11 | K .: | | | | | | |
| Sample ID: PRJ1586-02 (NRK03 | i67-02 (SV-10)) | | 11/1 | 38 - 2 ¹⁶ - | | | | | 10/28/08 15:48 |
| 1,1,1-Trichloroethane | <1000 | 1000 | <5460 | 5460 | | 2000 | 11/13/2008 |]] | EPA TO15 |
| 1,1,2,2-Tetrachloroethane | <1000 | 1000 | <6870 | 6870 | | 2000 | 11/13/2008 | 13 | EPA TO15 |
| 1,1,2-Trichloroethane | <1000 | 1000 | <5460 | 5460 | | 2000 | 11/13/2008 |]] | EPA TO15 |
| 1,1-Dichloroethane | <1000 | 1000 | <4050 | 4050 | | 2000 | 11/13/2008 | 11 | EPA TO15 |
| 1,1-Dichloroethene | <1000 | 1000 | <3960 | 3960 | | 2000 | 11/13/2008 | JJ | EPA TO15 |
| 1,2,4-Trichlorobenzene | <4100 | 4100 | <30400 | 30400 | C, L | 2000 | 11/13/2008 | JJ | EPA TO15 |
| 1,2,4-Trimethylbenzene | <1000 | 1000 | <4920 | 4920 | | 2000 | 11/13/2008 | JJ | EPA TO15 |
| 1.2-Dibromoethane (EDB) | <1000 | 1000 | <7680 | 7680 | | 2000 | 11/13/2008 | IJ | EPA TO15 |
| 1,2-Dichlorobenzene | <1000 | 1000 | <6010 | 6010 | | 2000 | 11/13/2008 | 11 | EPA TO15 |
| 1,2-Dichloroethane | <1000 | 1000 | <4050 | 4050 | | 2000 | 11/13/2008 | JJ | EPA TO15 |
| 1,2-Dichloropropane | <1000 | 1000 | <4620 | 4620 | | 2000 | 11/13/2008 | JJ | EPA TO15 |
| 1.3.5-Trimethylbenzene | <1000 | 1000 | <4920 | 4920 | | 2000 | 11/13/2008 | JJ | EPA TO15 |
| 1,3-Butadiene | <1000 | 1000 | <2210 | 2210 | | 2000 | 11/13/2008 | IJ | EPA TO15 |
| 1,3-Dichlorobenzene | <1000 | 1000 | <6010 | 6010 | | 2000 | 11/13/2008 | IJ | EPA TO15 |
| 1,4-Dichlorobenzene | <1000 | 1000 | <6010 | 6010 | | 2000 | 11/13/2008 | 11 | EPA TO15 |
| 2,2,4-Trimethylpentane | 31000 | 1000 | 150000 | 4670 | | 2000 | 11/13/2008 | jj | EPA TO15 |
| 2-Butanone (MEK) | <2000 | 2000 | <5900 | 5900 | | 2000 | 11/13/2008 | 11 | EPA TO15 |
| 2-Hexanone | <2000 | 2000 | <8190 | 8190 | | 2000 | 11/13/2008 | 11 | EPA TO15 |
| 2-Propanoi | <4100 | 4100 | <10100 | 10100 | | 2000 | 11/13/2008 | JJ | EPA TO15 |
| 4-Ethyltoluene | <1000 | 1000 | <4920 | 4920 | | 2000 | 11/13/2008 | JJ | EPA TO15 |
| 4-Methyl-2-pentanone (MIBK) | <2000 | 2000 | <8190 | 8190 | | 2000 | 11/13/2008 | 11 | EPA TO15 EPA TO15 |
| Acetone 2010 | <10000 | 10000 | <23800 | 23800 | | 2000 | 11/13/2008 | 3J | EPA TOIS |
| Allyl Chloride | <1000 | 1000 | <3130 | 3130 | | 2000 | 11/13/2008 | . 11 | EPA TOIS |
| Benzene. | 8300) | 1000 | 27000 | 3190 | | 2000 | 11/13/2008 | 3J *1 | EPA TO15 |
| Benzyl Chloride | <4100 | 4100 | <2.1200 | 21200 | | 2000 | 11/13/2008 | JJ | EPA TOIS |
| Bromodichloromethane | <1000 | 1000 | <6700 | 6700 | | 2000 | 11/13/2008 | JJ | EPA TOIS EPA TOIS |
| Bromoethene(Vinyl Bromide) | <1000 | 1000 | <4380 | 4380 | | 2000 | 11/13/2008 | JJ | EPA 1015 EPA 1015 |
| Bromoform | <1000 | 1000 | <10300 | 10300 | | 2000 | 11/13/2008 | JJ | EPA TOIS |
| Bromomethane | <1000 | 1000 | <3880 | 3880 | | 2000 | 11/13/2008 |]] | EPA TOIS |
| Carbon disulfide | <1000 | 1000 | <3110 | 3110 | | 2000 | 11/13/2008 | 11 11 | EPA TOIS |
| Carbon tetrachloride | <1000 | 1000 | <6290 | 6290 | | 2000 | 11/13/2008 11/13/2008 | 11 | EPA TOIS |
| Chlorobenzene | <1000 | 1000 | <4600 | 4600 | | 2000 | | 11 | EPA TO15 |
| Chloroethane | <1000 | 1000 | <2640 | 2640 | | 2000 | 11/13/2008 | 11 | EPA TOIS |
| Chloroform | <1000 | 1000 | <4880 | 4880 | | 2000 | 11/13/2008 | | EPA TOIS |
| Chloromethane | <1000 | 1000 | <2060 | 2060 | | 2000 | 11/13/2008 11/13/2008 | 11 11 | EPA TO15 |
| cis-1,2-Dichloroethene | <1000 | 1000 | <3960 | 3960 | | 2000 | | 1] | EPA TO15 |
| cis-1,3-Dichloropropene | <1000 | 1000 | <4540 | 4540 | | 2000 | 11/13/2008 | | EPA TOIS |
| Dibromochloromethane | <1000 | 1000 | <8520 | 8520 | | 2000 | 11/13/2008 | JJ | EPA TOIS |
| Dichlorodifluoromethane | <1000 | 1000 | <4950 | 4950 | | 2000 | 11/13/2008 | JJ | |
| Dichlorotetrafluoroethane(F-114) | <1000 | 1000 | <6990 | 6990 | | 2000 | 11/13/2008 | JJ | EPA TO15 EPA TO15 |
| Ethyl Acetate | <1000 | 1000 | <3600 | 3600 | | 2000 | 11/13/2008 | J] | |
| Ethylbenzene | <1000 | 1000 | <4340 | 4340 | , | 2000 | 11/13/2008 | , II | EPA TO15 |
| Freon 113 | <1000 | 1000 | <7660 | 7660 | | 2000 | 11/13/2008 | JJ | EPA TO15 |
| Heptane | <1000 | 1000 | <4100 | | _ | | | 16 | of era 603 |
| Heptane Hexachlorobutadiene | <1000 <2000 | 1000 2000 | <4100 <21300 | 4100 21300 | C, L | 2000 2000 | 11/13/2008 11/13/2008 | Į. | 6 |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage

PRJ1586 Work Order: N_ExxonMobil Buffalo Project:

10/30/08 Received:

11/26/08 14:55 Reported:

Project Number: Exxon 3-1010 Buffalo / NRK0367

| | ppb | v | <u>ng/m3</u> | | Data | | Date | | | |
|---------------------------------|------------------|------|--------------|-------|------------|----------|------------|----------|-----|------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | Met | hod |
| Volatile Organic Compounds by | EPA TO-15 | | | | | | | | | |
| Sample ID: PRJ1586-02 (NRK0367 | -02 (SV-10)) - c | ont. | | | | | | Sampled: | | |
| m,p-Xylenes | <2000 | 2000 | <8680 | 8680 | | 2000 | 11/13/2008 | IJ | | TO15 |
| Methylene Chloride | <1000 | 1000 | <3470 | 3470 | | 2000 | 11/13/2008 | JJ | | TO15 |
| Methyl-tert-butyl Ether (MTBE) | <2000 | 2000 | <7210 | 7210 | | 2000 | 11/13/2008 | 11 | | TO15 |
| o-Xylene | <1000 | 1000 | <4340 | 4340 | | 2000 | 11/13/2008 | 11 | | TO15 |
| Propene | <1000 | 1000 | <1720 | 1720 | | 2000 | 11/13/2008 | JJ | EPA | TO15 |
| Styrene | <1000 | 1000 | <4260 | 4260 | | 2000 | 11/13/2008 | JJ | EPA | TO15 |
| Tetrachloroethene | <1000 | 1000 | <6780 | 6780 | | 2000 | 11/13/2008 | ŢĨ | EPA | TO15 |
| Tetrahydrofuran | <4100 | 4100 | <12100 | 12100 | | 2000 | 11/13/2008 | jj | EPA | TO15 |
| Toluene | <1000 | 1000 | <3770 | 3770 | | 2000 | 11/13/2008 | 11 | EPA | TO15 |
| trans-1,2-Dichloroethene | <1000 | 1000 | <3960 | 3960 | | 2000 | 11/13/2008 | JJ | EPA | TO15 |
| trans-1,3-Dichloropropene | <1000 | 1000 | <4540 | 4540 | | 2000 | 11/13/2008 | 1] | EPA | TO15 |
| Trichloroethene | <1000 | 1000 | <5370 | 5370 | | 2000 | 11/13/2008 | JJ | EPA | TO15 |
| Trichlorofluoromethane | <1000 | 1000 | <5620 | 5620 | | 2000 | 11/13/2008 | JJ | EPA | TO15 |
| Vinyl Acetate | <1000 | 1000 | <3520 | 3520 | | 2000 | 11/13/2008 | JJ | EPA | TO15 |
| Vinyl chloride | <1000 | 1000 | <2560 | 2560 | | 2000 | 11/13/2008 | JJ | EPA | TO15 |
| Surrogate: 4-Bromofluorobenzene | 90 % | | Limit 70-130 | | | | | | | |
| Sample ID: PRJ1586-02RE1 (NRK | 0367-02 (SV-10)) | | | | | | | Sampled: | | |
| Cyclohexane | 120000 | 1900 | 410000 | 6540 | | 3800 | 11/13/2008 | 31 | | TO15 |
| Hexane | 140000 | 1900 | 490000 | 6700 | | 3800 | 11/13/2008 | JJ | EPA | TO15 |
| Surrogate: 4-Bromofluorobenzene | 89 % | | Limit 70-130 | | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage

PRJ1586 Work Order: N_ExxonMobil Buffalo Project:

10/30/08 Received:

11/26/08 14:55 Reported:

Project Number: Exxon 3-1010 Buffalo / NRK0367

| | <u>ppbv</u> Result | PQL | <u>ng/m3</u> Result | PQL | Data Qualifiers | Dilution | Date Analyzed | Analys | t Method |
|----------------------------------|-----------------------|------|------------------------|-------|--------------------|----------|------------------|--------|---------------|
| Volatile Organic Compounds by | EPA TO-15 | | | | | | | | |
| Sample ID: PRJ1586-03 (NRK0367- | -03 (SV-11)) | | | | | | | | 10/28/08 16:4 |
| 1,1,1-Trichloroethane | <960 | 960 | <5240 | 5240 | | 1900 | 11/13/2008 |)J | EPA TOI: |
| 1,1,2,2-Tetrachloroethane | <960 | 960 | <6590 | 6590 | | 1900 | 11/13/2008 | IJ | EPA TOI |
| 1,1,2-Trichloroethane | <960 | 960 | <5240 | 5240 | | 1900 | 11/13/2008 | 11 | EPA TOI: |
| 1,1-Dichloroethane | <960 | 960 | <3890 | 3890 | | 1900 | 11/13/2008 | JJ | EPA TOI: |
| 1,1-Dichloroethene | <960 | 960 | <3810 | 3810 | | 1900 | 11/13/2008 | IJ | EPA TOI |
| 1,2,4-Trichlorobenzene | <3900 | 3900 | <28900 | 28900 | C, L | 1900 | 11/13/2008 | IJ | EPA TOI |
| 1,2,4-Trimethylbenzene | <960 | 960 | <4720 | 4720 | | 1900 | 11/13/2008 | IJ | EPA TOI |
| 1,2-Dibromoethane (EDB) | <960 | 960 | <7380 | 7380 | | 1900 | 11/13/2008 | JJ | EPA TOI |
| 1,2-Dichlorobenzene | <960 | 960 | <5770 | 5770 | | 1900 | 11/13/2008 | 31 | EPA TOI |
| 1,2-Dichloroethane | <960 | 960 | <3890 | 3890 | | 1900 | 11/13/2008 | IJ | EPA TOI |
| 1,2-Dichloropropane | <960 | 960 | <4440 | 4440 | | 1900 | 11/13/2008 | JJ | EPA TOI |
| 1,3,5-Trimethylbenzene | <960 | 960 | <4720 | 4720 | | 1900 | 11/13/2008 | 11 | EPA TOI |
| 1,3-Butadiene | <960 | 960 | <2120 | 2120 | | 1900 | 11/13/2008 | JJ | EPA TOI |
| 1,3-Dichlorobenzene | <960 | 960 | <5770 | 5770 | | 1900 | 11/13/2008 | IJ | EPA TO |
| 1,4-Dichlorobenzene | <960 | 960 | <5770 | 5770 | | 1900 | 11/13/2008 | IJ | EPA TO |
| 2,2,4-Trimethylpentane | 13000 | 960 | 61000 | 4490 | | 1900 | 11/13/2008 | JJ | ЕРА ТО |
| 2-Butanone (MEK) | <1900 | 1900 | <5600 | 5600 | ÷ | 1900 | 11/13/2008 | IJ | EPA TO |
| 2-Hexanone | <1900 | 1900 | <7780 | 7780 | | 1900 | 11/13/2008 | IJ | EPA TO |
| 2-Propanol | <3900 | 3900 | <9590 | 9590 | | 1900 | 11/13/2008 | 11 | EPA TO |
| 4-Ethyltoluene | <960 | 960 | <4720 | 4720 | | 1900 | 11/13/2008 |]] | EPA TO |
| 4-Methyl-2-pentanone (MIBK) | <1900 | 1900 | <7780 | 7780 | | 1900 | 11/13/2008 |]] | EPA TO |
| Acetone | <9600 | 9600 | <22800 | 22800 | | 1900 | 11/13/2008 | IJ | EPA TO |
| Allyl Chloride | <960 | 960 | <3000 | 3000 | | 1900 | 11/13/2008 | 11 | EPA TO |
| Benzene | <960 | 960 | <3070 | 3070 | | 1900 | 11/13/2008 |]] | EPA TO |
| Benzyl Chloride | <3900 | 3900 | <20200 | 20200 | | 1900 | 11/13/2008 |]] | EPA TO |
| Bromodichloromethane | <960 | 960 | <6430 | 6430 | | 1900 | 11/13/2008 | JJ | EPA TO |
| Bromoethene(Vinyl Bromide) | <960 | 960 | <4200 | 4200 | | 1900 | 11/13/2008 | 11 | EPA TO |
| Bromoform | <960 | 960 | <9920 | 9920 | | 1900 | 11/13/2008 | JI | EPA TO |
| Bromomethane | <960 | 960 | <3730 | 3730 | | 1900 | 11/13/2008 | 11 | EPA TO |
| Carbon disulfide | <960 | 960 | <2990 | 2990 | | 1900 | 11/13/2008 | JI | EPA TO |
| Carbon tetrachloride | <960 | 960 | <6040 | 6040 | | 1900 | 11/13/2008 | JJ | EPA TO |
| Chlorobenzene | <960 | 960 | <4420 | 4420 | | 1900 | 11/13/2008 | JJ | EPA TO |
| Chloroethane | <960 | 960 | <2530 | 2530 | | 1900 | 11/13/2008 | JI | EPA TO |
| Chloroform | <960 | 960 | <4690 | 4690 | | 1900 | 11/13/2008 | JJ | EPA TO |
| Chloromethane | <960 | 960 | <1980 | 1980 | | 1900 | 11/13/2008 | 11 | EPA TO |
| cis-1,2-Dichloroethene | <960 | 960 | <3810 | 3810 | | 1900 | 11/13/2008 | 11 | EPA TO |
| cis-1,3-Dichloropropene | <960 | 960 | <4360 | 4360 | | 1900 | 11/13/2008 | JJ | EPA TO |
| Cyclohexane | 61000 | 960 | 210000 | 3300 | | 1900 | 11/13/2008 | JJ | EPA TO |
| Dibromochloromethane | <960 | 960 | <8180 | 8180 | | 1900 | 11/13/2008 | 11 | EPA TOI |
| Dichlorodifluoromethane | <960 | 960 | <4750 | 4750 | | 1900 | 11/13/2008 | JJ | EPA TO |
| Dichlorotetrafiuoroethane(F-114) | <960 | 960 | <6710 | 6710 | | 1900 | 11/13/2008 | 11 | EPA TO |
| Ethyl Acetate | <960 | 960 | ′ <3460 | 3460 | | 1900 | 11/13/2008 |]] | 'EPA TOI |
| Ethylbenzene | <960 | 960 | <4170 | 4170 | | 1900 | 11/13/2008 | JJ | EPA TO |
| Freon 113 | <960 | 960 | <7360 | 7360 | | 1900 | 11/13/2008 | 4o | of end of |
| Heptane | <960 | 960 | <3930 | 3930 | | 1900 | 11/13/2008 | 18 | UL EPR Voi |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage

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Project: N_

Work Order:

Received: 10/30/08 Reported: 11/26/08 14:55

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRK0367

PRJ1586

| | <u>ppl</u> Result | <u>pv</u> PQL | <u>ug/m3</u> Result | PQL | Data Qualifiers | Dilution | Date Analyzed | Analyst | Method |
|----------------------------------|----------------------|------------------|------------------------|-------|--------------------|----------|------------------|---------|--------------|
| latile Organic Compounds by E | РА ТО-15 | | | | | | | | |
| Sample ID: PRJ1586-03 (NRK0367-0 |)3 (SV-11)) - | cont. | | | | | | | 10/28/08 16: |
| Hexachtorobutadiene | <1900 | 1900 | <20300 | 20300 | C, L | 1900 | 11/13/2008 | JJ | EPA TO |
| Hexane | 11000 | 960 | 39000 | 3380 | | 1900 | 11/13/2008 | JJ | EPA TO |
| m,p-Xylenes | <1900 | 1900 | <8250 | 8250 | | 1900 | 11/13/2008 | JI | EPA TO |
| Methylene Chloride | <960 | 960 | <3330 | 3330 | | 1900 | 11/13/2008 | JJ | EPA TO |
| Methyl-tert-butyl Ether (MTBE) | <1900 | 1900 | <6850 | 6850 | | 1900 | 11/13/2008 |]] | EPA TO |
| o-Xylene | <960 | 960 | <4170 | 4170 | | 1900 | 11/13/2008 | JJ | EPA TO |
| Propene | <960 | 960 | <1650 | 1650 | | 1900 | 11/13/2008 | 31 | EPA TO |
| Styrene | <960 | 960 | <4090 | 4090 | | 1900 | 11/13/2008 | JJ | EPA TO |
| Tetrachloroethene | <960 | 960 | <6510 | 6510 | | 1900 | 11/13/2008 | JJ · | EPA TO |
| Tetrahydrofuran | <3900 | 3900 | <11500 | 11500 | | 1900 | 11/13/2008 | 11 | EPA TO |
| Toluene | <960 | 960 | <3620 | 3620 | | 1900 | 11/13/2008 | JJ | EPA TO |
| trans-1.2-Dichloroethene | <960 | 960 | <3810 | 3810 | | 1900 | 11/13/2008 | 11 | EPA TC |
| trans-1,3-Dichloropropene | <960 | 960 | <4360 | 4360 | | 1900 | 11/13/2008 | JI | EPA TO |
| Trichloroethene | <960 | 960 | <5160 | 5160 | | 1900 | 11/13/2008 | IJ | EPA TC |
| Trichlorofluoromethane | <960 | 960 | <5390 | 5390 | | 1900 | 11/13/2008 | IJ | EPA TC |
| Vinyl Acetate | <960 | 960 | <3380 | 3380 | | 1900 | 11/13/2008 | JJ | EPA TC |
| Vinyl chloride | <960 | 960 | <2450 | 2450 | | 1900 | 11/13/2008 | 11 | EPA TC |
| Surrogate: 4-Bromofluorobenzene | 88 % | | Limit 70-130 | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage

Work Order: Project:

N_ExxonMobil Buffalo Project Number: Exxon 3-1010 Buffalo / NRK0367

10/30/08 Received: 11/26/08 14:55 Reported:

PRJ1586

| | ppl | ppbv | | | Data | | Date | | | |
|----------------------------------|------------------------------|------|--------------|------|------------|----------|------------|----------------|---------------------------|--|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analysi | Method | |
| Volatile Organic Compounds by | EPA TO-15 | | | | | | | | | |
| Sample ID: PRJ1586-04 (NRK0367 | 7-04 (SV-8)) | | | | | | 11/12/2008 | Sampled: JJ | 10/28/08 17:0 EPA TOI: | |
| 1,1,1-Trichloroethane | <0.50 | 0.50 | <2.73 | 2.73 | • | 1.0 | 11/13/2008 | 3)]] | EPA TOI: | |
| 1,1,2,2-Tetrachloroethane | <0.50 | 0.50 | <3.43 | 3.43 | | 1.0 | 11/13/2008 | 31 31 | EPA TOI: | |
| 1,1,2-Trichloroethane | <0.50 | 0.50 | <2.73 | 2.73 | | 1.0 | 11/13/2008 | | EPA TOI: | |
| 1,1-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 11/13/2008 | JJ | EPA TOI | |
| 1,1-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 11/13/2008 | JJ | EPA TOI: EPA TOI: | |
| 1,2,4-Trichlorobenzene | <2.0 | 2.0 | <14.8 | 14.8 | C, L | 1.0 | 11/13/2008 | 11 | | |
| 1,2,4-Trimethylbenzene | 2.5 | 0.50 | 12 | 2.46 | | 1.0 | 11/13/2008 | IJ | EPA TOI | |
| 1,2-Dibromoethane (EDB) | <0.50 | 0.50 | <3.84 | 3,84 | | 1.0 | 11/13/2008 | | EPA TOL | |
| 1,2-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | | 1.0 | 11/13/2008 | | EPA TOI | |
| 1,2-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 11/13/2008 | | EPA TOI | |
| 1,2-Dichloropropane | <0.50 | 0.50 | <2.31 | 2.31 | | 1.0 | 11/13/2008 | | EPA TOI | |
| 1,3,5-Trimethylbenzene | 0.56 | 0.50 | 2.8 | 2.46 | | 1.0 | 11/13/2008 | | EPA TO1 | |
| 1,3-Butadiene | <0.50 | 0.50 | <1.10 | 1,10 | | 1.0 | 11/13/2008 | JJ | EPA TO1 | |
| 1,3-Dichlorobenzene | <0,50 | 0.50 | <3.01 | 3.01 | | 1.0 | 11/13/2008 | 11 | EPA TO1 | |
| 1,4-Dichlorobenzene | 1.4 | 0.50 | 8.4 | 3.01 | | 1.0 | 11/13/2008 | 11 | EPA TO1 | |
| 2,2,4-Trimethylpentane | 1.0 | 0.50 | 4.7 | 2.34 | | 1.0 | 11/13/2008 | JJ | EPA TO | |
| 2-Butanone (MEK) | <1.0 | 1.0 | <2.95 | 2.95 | | 1.0 | 11/13/2008 | JJ | EPA TOI | |
| 2-Hexanone | <1.0 | 1.0 | <4.10 | 4.10 | | 1.0 | 11/13/2008 | JJ | έρα τοι | |
| 2-Propanol | <2.0 | 2.0 | <4.92 | 4.92 | | 1.0 | 11/13/2008 | 11 | EPA TOI | |
| 4-Ethyltoluene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 11/13/2008 | JJ | EPA TOI | |
| 4-Methyl-2-pentanone (MIBK) | <1.0 | 1,0 | <4.10 | 4.10 | | 1.0 | 11/13/2008 | JJ | EPA TOI | |
| Acetone | <5,0 | 5.0 | <11.9 | 11.9 | | 1.0 | 11/13/2008 | JJ | EPA TO1 | |
| Allyl Chloride | <0.50 | 0.50 | <1.56 | 1.56 | | 1.0 | 11/13/2008 | JJ | EPA TOI | |
| Benzene | 4.4 | 0.50 | 14 | 1.60 | | 1.0 | 11/13/2008 | 11 | EPA TO | |
| | <2.0 | 2.0 | <10.4 | 10.4 | | 1.0 | 11/13/2008 | IJ | EPA TO1 | |
| Benzyl Chloride | <0.50 | 0.50 | <3.35 | 3,35 | | 1.0 | 11/13/2008 | IJ | EPA TOI | |
| Bromodichloromethane | <0.50 | 0,50 | <2.19 | 2,19 | | 1.0 | 11/13/2008 | IJ | EPA TOI | |
| Bromoethene(Vinyl Bromide) | <0.50 | 0.50 | <5.17 | 5.17 | | 1.0 | 11/13/2008 | JJ | EPA TO | |
| Bromoform | | 0.50 | <1.94 | 1.94 | | 1.0 | 11/13/2008 | IJ | EPA TO1 | |
| Bromomethane | <0.50 | | | 1.56 | | 1.0 | 11/13/2008 | | EPA TO | |
| Carbon disulfide | 2.7 | 0.50 | 8.4 <3.15 | 3,15 | | 1.0 | 11/13/2008 | | EPA TO | |
| Carbon tetrachloride | <0.50 | 0.50 | | 2.30 | | 1.0 | 11/13/2008 | | EPA TOI | |
| Chlorobenzene | <0.50 | 0.50 | <2.30 | | | 1.0 | 11/13/2008 | | EPA TOI | |
| Chloroethane | <0.50 | 0.50 | <1.32 | 1.32 | | 1.0 | 11/13/2008 | | EPA TO1 | |
| Chloroform | <0.50 | 0.50 | <2.44 | 2.44 | | 1.0 | 11/13/2008 | | EPA TO | |
| Chloromethane | <0.50 | 0.50 | <1.03 | 1.03 | | | 11/13/2008 | | EPA TO | |
| cis-1,2-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 11/13/2008 | | EPA TO | |
| cis-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | | | EPA TO | |
| Cyclohexane | 12 | 0.50 | 41 | 1.72 | | 1.0 | 11/13/2008 | | EPA TO | |
| Dibromochloromethane | <0,50 | 0.50 | <4.26 | 4.26 | | 1.0 | 11/13/2008 | | | |
| Dichlorodifluoromethane | 0.50 | 0.50 | 2.5 | 2.47 | | 1.0 | 11/13/2008 | | ЕРА ТО ЕРА ТОІ | |
| Dichlorotetrafluoroethane(F-114) | <0.50 | 0.50 | <3.50 | 3.50 | | 1.0 | 11/13/2008 | | | |
| Ethyl Acetate | <0.50 | 0.50 | <1.80 | 1.80 | | 1.0 ' | 11/13/2008 | | EPA TO | |
| Ethylbenzene | 1.6 | 0,50 | 7.0 | 2.17 | | 1.0 | 11/13/2008 | | EPA TO | |
| Freon 113 | <0.50 | 0.50 | <3.83 | 3.83 | | 1.0 | 11/13/2008 | 4n | OLEMOA | |
| Heptane | 3.3 | 0.50 | 14 | 2.05 | | 1.0 | 11/13/2008 | | | |
| Hexachlorobutadiene | <1.0 | 1.0 | <10.7 | 10.7 | C, L | 1.0 | 11/13/2008 | 11 | EPA TO | |
| | | | | | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ1586

Received: 10/30/08 Reported: 11/26/08 14:55

Reported: N_ExxonMobil Buffalo

Project: N_ExxonMobil Buffalo Project Number: Exxon 3-1010 Buffalo / NRK0367

| | pp | <u>bv</u> | v <u>ng/m3</u> | | Data | | Date | | | |
|---------------------------------|------------------|-----------|----------------|-------|------------|----------|------------|----------|----------|------|
| | Result | PQL | Result | PQL | Qualifiers | Dilution | Analyzed | Analyst | t Method | |
| platile Organic Compounds by | EPA TO-15 | | | | | | | | | |
| Sample ID: PRJ1586-04 (NRK0367 | '-04 (SV-8)) - c | ont. | | | | | | Sampled: | 10/28/08 | 17:0 |
| Hexane | 20 | 0.50 | 71 | 1.76 | | 1.0 | 11/13/2008 | 11 | | T01 |
| m,p-Xylenes | 3.2 | 1.0 | 14 | 4.34 | | 1.0 | 11/13/2008 | JJ | | TO |
| Methylene Chloride | 0.90 | 0.50 | 3.1 | 1.74 | | 1.0 | 11/13/2008 | JJ | | TO |
| Methyl-tert-butyl Ether (MTBE) | <1.0 | 1.0 | <3.61 | 3.61 | | 1.0 | 11/13/2008 | JJ | EPA | T01 |
| o-Xylene | 1.5 | 0.50 | 6.5 | 2.17 | | 1.0 | 11/13/2008 | 11 | | TO |
| Propene | 7.7 | 0.50 | 13 | 0.861 | | 1.0 | 11/13/2008 | JJ | EPA | TO |
| Styrene | <0,50 | 0,50 | <2.13 | 2.13 | | 1.0 | 11/13/2008 | 11 | | TO |
| Tetrachloroethene | <0.50 | 0.50 | <3.39 | 3.39 | | 1.0 | 11/13/2008 | JJ | | TO |
| Tetrahydrofuran | <2.0 | 2.0 | <5.90 | 5.90 | | 1.0 | 11/13/2008 | 11 | EPA | TO |
| Toluene | 4.7 | 0.50 | 18 | 1.88 | | 1.0 | 11/13/2008 | JJ | EPA | TO |
| trans-1,2-Dichloroethene | <0.50 | 0.50 | <1.98 | 1,98 | | 1.0 | 11/13/2008 | lì | EPA | TOI |
| trans-1,3-Dichloropropene | <0,50 | 0.50 | <2.27 | 2.27 | | 1.0 | 11/13/2008 | 11 | EPA | TO |
| Trichloroethene | <0.50 | 0.50 | <2.69 | 2.69 | | 1.0 | 11/13/2008 | JJ | EPA | TO |
| Trichlorofluoromethane | 0.60 | 0.50 | 3.4 | 2.81 | | 1.0 | 11/13/2008 | JJ | EPA | то |
| Vinyl Acetate | <0.50 | 0.50 | <1.76 | 1.76 | | 1.0 | 11/13/2008 | 3J | EPA | TO |
| Vinyl chloride | <0.50 | 0.50 | <1.28 | 1.28 | | 1,0 | 11/13/2008 | ĴЈ | EPA | TO |
| Surrogate: 4-Bromofluorobenzene | 97 % | | Limit 70-130 | | | | | | | |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ1586

Project:

Received: 10/30/08 Reported: 11/26/08 14:55

N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRK0367

| | <u>ppbv</u> Result | PQL | <u>ug/m3</u> Result | PQL | Data Qualifiers | Dilution | Date Analyzed | Analyst | Method |
|----------------------------------|-----------------------|------|------------------------|--------|--------------------|----------|------------------|-----------|---------------|
| olatile Organic Compounds by E | РА ТО-15 | | | | | | | | |
| Sample ID: PRJ1586-05 (NRK0367-0 | 95 (Ambient Air | 3)) | | | | | | • | 10/28/08 17:2 |
| 1,1,1-Trichloroethane | <0.50 | 0.50 | <2.73 | 2.73 | | 1.0 | 11/13/2008 | IJ | EPA TO |
| 1,1,2,2-Tetrachioroethane | <0.50 | 0,50 | <3.43 | 3.43 | | 1.0 | 11/13/2008 | JJ | EPÁ TO |
| 1,1,2-Trichloroethane | <0.50 | 0.50 | <2.73 | 2.73 | | 1.0 | 11/13/2008 |]] | EPA TO |
| 1,1-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| 1,1-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 11/13/2008 | JÌ | EPA TO |
| 1,2,4-Trichlorobenzene | <2.0 | 2.0 | <14.8 | 14.8 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| 1,2,4-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| 1,2-Dibromoethane (EDB) | <0,50 | 0.50 | <3.84 | 3.84 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| 1,2-Dichlorobenzene | <0,50 | 0.50 | <3.01 | 3.01 | | 1,0 | 11/13/2008 | 11 | EPA TO |
| 1,2-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 11/13/2008 | 11 | ΕΡΑ ΤΟ |
| 1,2-Dichloropropane | <0.50 | 0.50 | <2.31 | 2.31 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| 1,3,5-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| 1,3-Butadiene | <0,50 | 0.50 | <1.10 | 1.10 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| 1,3-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | | 1.0 | 11/13/2008 | ĵ1 | EPA TO |
| 1,4-Dichlorobenzene | 0.55 | 0.50 | 3.3 | 3.01 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| 2,2,4-Trimethylpentane | 1.4 | 0.50 | 6.5 | 2.34 | | 1.0 | 11/13/2008 | JJ | ЕРА ТС |
| 2-Butanone (MEK) | <1.0 | 1.0 | <2.95 | 2.95 | | 1,0 | 11/13/2008 | 11 | EPA TO |
| 2-Hexanone | <1.0 | 1.0 | <4,10 | 4,10 | | 1.0 | 11/13/2008 | 33 | ΕΡΑ ΤΟ |
| 2-Propanol | <2.0 | 2.0 | <4.92 | 4.92 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| 4-Ethyltoluene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| 4-Methyl-2-pentanone (MIBK) | <1.0 | 1.0 | <4,10 | 4,10 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| Acetone | 5.6 | 5,0 | 13 | 11.9 | | 1.0 | 11/13/2008 | 11 | ЕРА ТС |
| Allyl Chloride | <0.50 | 0.50 | <1.56 | 1.56 | | 1.0 | 11/13/2008 |]] | EPA TO |
| Benzene | 0.57 | 0.50 | 1.8 | 1.60 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Benzyl Chloride | <2.0 | 2.0 | <10.4 | 10.4 | | 1.0 | 11/13/2008 | JJ | ΕΡΑ ΤΟ |
| Bromodichloromethane | <0.50 | 0.50 | <3.35 | 3.35 | | 1.0 | 11/13/2008 |]] | EPA TO |
| Bromoethene(Vinyl Bromide) | <0,50 | 0.50 | <2.19 | 2.19 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Bromoform | <0.50 | 0.50 | <5.17 | 5.17 | | 1.0 | 11/13/2008 |]] | EPA TC |
| Bromomethane | <0.50 | 0.50 | <1.94 | 1.94 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| Carbon disulfide | <0.50 | 0.50 | <1.56 | 1.56 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Carbon tetrachloride | <0.50 | 0.50 | <3.15 | 3.15 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| Chlorobenzene | <0.50 | 0.50 | <2.30 | 2.30 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| Chloroethane | <0.50 | 0.50 | <1.32 | 1.32 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Chloroform | <0.50 | 0.50 | <2.44 | 2.44 | | 1,0 | 11/13/2008 | JJ | EPA TO |
| Chloromethane | <0.50 | 0.50 | <1.03 | 1.03 | | 1.0 | 11/13/2008 | 33 | EPA TO |
| cis-1,2-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 11/13/2008 | Jl | ΕΡΑ ΤΟ |
| cis-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 11/13/2008 | 33 | EPA TO |
| Cyclohexane | 4.8 | 0.50 | 17 | 1.72 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Dibromochloromethane | <0,50 | 0.50 | <4.26 | 4,26 | | 1.0 | 11/13/2008 | J | EPA TO |
| Dichlorodifluoromethane | <0.50 | 0.50 | <2.47 | 2,47 | | 1.0 | 11/13/2008 | 11 | ЕРА ТО |
| Dichlorotetrafluoroethane(F-114) | <0,50 | 0.50 | <3.50 | 3.50 | | 1.0 | 11/13/2008 | 33 | ΕΡΑ ΤΟ |
| Ethyl Acetate | <0,50 | 0.50 | <1,80 | · 1.80 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Ethylbenzene | <0.50 | 0.50 | <2.17 | 2.17 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Freon 113 | <0.50 | 0.50 | <3.83 | 3.83 | | 1.0 | 11/13/2008 | Al A | EPA TO |
| Heptane | <0.50 | 0.50 | <2.05 | 2.05 | | 1.0 | 11/13/2008 | 22 | of erade |

THE LEADER IN ENVIRONMENTAL TESTING

. 4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

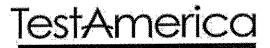
TestAmerica Nashville 2960. Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ1586

Received: 10/30/08 Reported: 11/26/08 14:55

Project: N_ExxonMobil Buffalo

Project Number: Exxon 3-1010 Buffalo / NRK0367

| | ppl Result | <u>ov</u> PQL | <u>ug/m3</u> Result | PQL | Data Qualifiers | Dilution | Date Analyzed | Analyst | Met | hod |
|----------------------------------|---------------|------------------|------------------------|-------|--------------------|----------|------------------|----------|----------|-------------|
| olatile Organic Compounds by E | СРА ТО-15 | | | | | | | | | |
| Sample ID: PRJ1586-05 (NRK0367-0 | | .ir 3)) - c | ont. | | | | | Sampled: | 10/28/08 | 17:20 |
| Hexachlorobutadiene | <1.0 | 1.0 | <10.7 | 10.7 | | 1,0 | 11/13/2008 | JJ | EPA | TO15 |
| Hexane | 5.5 | 0.50 | 19 | 1.76 | | 1.0 | 11/13/2008 | JI | EPA | TO15 |
| m,p-Xylenes | <1.0 | 1.0 | <4.34 | 4,34 | | 1.0 | 11/13/2008 | JJ . | EPA | TO15 |
| Methylene Chloride | 1.2 | 0.50 | 4.2 | 1.74 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Methyl-tert-butyl Ether (MTBE) | <1.0 | 1.0 | <3.61 | 3.61 | | 1.0 | 11/13/2008 | 11 | EPA | TO15 |
| o-Xyiene | < 0.50 | 0.50 | <2,17 | 2.17 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Propene | <0.50 | 0.50 | <0,861 | 0.861 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Styrene | < 0.50 | 0.50 | <2,13 | 2.13 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Tetrachloroethene | <0.50 | 0.50 | <3.39 | 3.39 | | 1.0 | 11/13/2008 | IJ | EPA | TO15 |
| Tetrahydrofuran | <2.0 | 2.0 | <5.90 | 5.90 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Tolucne | 1.0 | 0.50 | 3.8 | 1.88 | ÷ | 1.0 | 11/13/2008 | JI | EPA | TO15 |
| trans-1,2-Dichloroethene | <0,50 | 0.50 | <1.98 | 1,98 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| trans-1.3-Dichloropropene | <0.50 | 0,50 | <2.27 | 2.27 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Trichloroethene | <0.50 | 0,50 | <2.69 | 2.69 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Trichlorofluoromethane | <0.50 | 0.50 | <2.81 | 2.81 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Vinyl Acetate | <0.50 | 0.50 | <1,76 | 1.76 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Vinyl chloride | <0,50 | 0.50 | <1.28 | 1.28 | | 1.0 | 11/13/2008 | IJ | EPA | TO15 |
| Surrogate: 4-Bromofluorobenzene | 92 % | | limit 70-130 | | | | | | | |

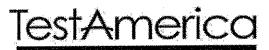


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4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order:PRJ1586Received:10/30/08Reported:11/26/0814:55Project:N_ExxonMobilBuffaloProjectNumber:Exxon3-1010Buffalo/NRK0367

| Visiti FQ: FX: FQ: FX: FX: FX: Volatile Componed by EPA T0-15 Sample: 5 Sample: 10/13/006 1/1 EPA 1,1,2-7:trashoroshane -0.50 0.59 -2.73 2.73 1.0 1/11/2008 1/1 EPA 1,1,2-7:trashoroshane -0.50 0.50 -2.73 2.73 1.0 1/11/2008 1/1 EPA 1,1,2-7:trashoroshane -0.50 0.50 -2.02 1.0 1/11/2008 1/1 EPA 1,2-7:trashoroshane -4.50 0.50 -2.02 1.0 1/11/2008 1/1 EPA 1,2-4:trashoroshane -2.0 0.44 1.48 1.0 1/11/2008 1/1 EPA 1,2-4:trashoroshane -0.50 0.50 -2.02 1.0 1/11/2008 1/1 EPA 1,2-bichoroshane -0.50 0.50 -2.02 1.0 1/11/2008 1/1 EPA 1,2-bichoroshane -0.50 0.50 -2.02 1.0< | | ppb | | <u>ug/m3</u> Desult | DOI | Data Qualifiers | Dilution | Date Analyzed | Analysi | Method |
|--|-----------------------------|--------|------|------------------------|------|--------------------|----------|------------------|----------|----------|
| Sample IP. PJLIJS6.06 (NRK0367-06 (SV-2)) US | | Result | PQL | Result | PQL | Quamers | DIUITION | rshaiyzau | Padatyst | |
| 1,1,-Tradhereshane 0.50 0.50 -2.73 2.73 1.0 1.1/12/2008 JJ EP 1,1,2,2-Tradhorosthane -0.50 0.50 -2.43 3.43 1.0 11/13/2008 JJ EP 1,1-Jichkorosthane -0.50 0.50 -2.02 2.02 1.0 11/13/2008 JJ EP 1,2-Tridioorobane -0.50 0.50 -2.02 2.0 1.0 11/13/2008 JJ EP 1,2-Artinokrybenzee -2.7 0.50 1.3 2.46 1.0 11/13/2008 JJ EP 1,2-Dichorobenzee -0.50 0.50 -3.01 3.61 1.0 11/13/2008 JJ EP 1,2-Dichorobenzee -0.50 0.50 -2.02 2.02 1.0 11/13/2008 JJ EP 1,2-Dichorobenzee -0.50 0.50 -3.01 3.01 1.0 11/13/2008 JJ EP 1,3-Dichorobenzee -0.50 0.50 -3.01 3.01 1.0 11/13/20 | | | | | | | | | | |
| 1,1,1,2,2,Tenabiovechane 0,00 0,00 0,21 2,73 1,0 11/17/2008 11 EP. 1,1,2,Tenabiovechane 0,50 0,50 0,273 2,73 1,0 11/17/2008 11 EP. 1,1,Dichloroschane 0,50 0,50 0,20 2,02 10 11/17/2008 11 EP. 1,2,A-Trinathylbreare 2,0 0,10 11/32008 11 EP. 1,2,A-Trinathylbreare 2,0 0,10 1,34 3,84 1.0 11/172008 11 EP. 1,2,A-Trinathylbreare 0,50 0,50 -2,02 2,02 1.0 11/172008 11 EP. 1,2-Dibloroschanze 0,50 0,50 -2,02 2,02 1.0 11/172008 11 EP. 1,2-Dibloroschanze 0,50 0,50 -2,02 2,02 1.0 11/172008 11 EP. 1,2-Dibloroschanze 0,50 0,50 -4,10 1.0 11/172008 11 EP. 1,2-Dibloroschanze 0,50 0,50 -1,10 1.0 1.0 11/172008 | • | | | | 0.70 | | 10 | 11/12/2008 | | EPA TO1: |
| 1,1,2,-relations/endume 4,1,5 1,1,2,-relations/endume 1,1,1,2,-relations/endume 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1, | | | | | | | | | | EPA TOI |
| L.J. Picklorendmane C.D.S C.D.S C.D.S C.D.S District of the second se | | | | | | | | | | EPA TOI: |
| 1,1-Diableorebinse 0.00 0.00 0.00 0.00 1.00 <td>1,1,2-Trichloroethane</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>EPA TOI</td> | 1,1,2-Trichloroethane | | | | | | | | | EPA TOI |
| 1,1,2,4,1-Tickhovensete 4,0,0 6,0,0 6,1,0,0 1,1,0,0 1,1,0,0 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1, | 1,1-Dichloroethane | | | | | | | | | EPA TOI |
| J.A. Frineityblenzee 2.7 6.50 1.0.8 | 1,1-Dichloroethene | | | | | A 1 | | | | EPA TOL |
| 1,4,7 intertyperate 1,7 1,8 1,7 1,8 1,7 1,8 1,7 1,8 1,7 1,8 1,8 1,8 1,8 1,8 1,8 1,8 1,8 1,8 1,8 1,8 1,8 1,8 1,1 | 1,2,4-Trichlorobenzene | | | | | U, L | | | | EPA TO |
| 12.bitkonochane (b)n) 43.50 0.50 0.50 1.01 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 111132008 11 12 111132008 11 12 111132008 11 12 12 111132008 11 12 12 111132008 11 12 | 1,2,4-Trimethylbenzene | | | | | | | | | EPA TOI |
| j.2. Junktoomethene 45 55 77 17 17 1.2. Dickloredense 40.50 0.50 <2.31 | 1,2-Dibromoethane (EDB) | | | | | | | | | |
| 1,2-Dichloroperane 0.50 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.55 <td>1,2-Dichlorobenzene</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>EPA TOI</td> | 1,2-Dichlorobenzene | | | | | | | | | EPA TOI |
| L2-Distroinery bearse 0.09 0.09 0.14 1.14 1.14 1.14 1.14 L3-S-Trinery bearse 0.09 0.50 <1.10 | 1,2-Dichloroethane | <0.50 | 0.50 | | | | | | | EPA TOI |
| J.S1 mitering better So.5 J.S. J.M. L.M. H.M. J.S-Bataliens <0.50 | 1,2-Dichloropropane | <0,50 | 0.50 | <2,31 | 2.31 | | | | | EPA TOI |
| 1,3-Bit Modeline 0,0-0 0,1-0 1,1-0 1,1-0 1,11/12/008 JJ EPP 1,4-Dichlorobenzene 1.6 0.50 0.01 3.01 1.0 11/13/2008 JJ EPP 2,2,4-Trimethylpentane 3.0 0.50 1.4 2.24 1.0 11/13/2008 JJ EPP 2-Butanone (MEK) 0.10 0.255 2.55 1.0 11/13/2008 JJ EPP 2-Hexanone 0.10 0.4.10 4.10 1.0 11/13/2008 JJ EPP 2-Hexanone 0.10 0.4.10 4.10 1.0 11/13/2008 JJ EPP 4-Ethylothuren 0.57 0.50 2.8 2.46 1.0 11/13/2008 JJ EPP Acetore 8.4 5.0 2.0 11.0 1.00 11/13/2008 JJ EPP Alkyl Chloride 0.50 0.50 <1.56 | 1,3,5-Trimethylbenzene | 0.69 | 0.50 | 3.4 | | | | | | EPA TOI |
| 1,3-Diabotoenzene1.60.500.411.01/13/2008JJIP2,2,4-Trimethylpentane3.00.59142.341.011/13/2008JJIP2-Butanone (MEK)<1.0 | 1,3-Butadiene | <0.50 | 0.50 | <1.10 | 1.10 | | 1.0 | | | EPA TOI |
| 1,4-Unitorinalization1,55,151,14 <th< td=""><td>1,3-Dichlorobenzene</td><td><0.50</td><td>0.50</td><td><3.01</td><td>3.01</td><td></td><td>1.0</td><td></td><td></td><td>EPA TOI</td></th<> | 1,3-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | | 1.0 | | | EPA TOI |
| 2,2,4 Interfay D.0 D.0 D.0 D.0 D.0 2-Butanone (MEK) <1.0 | 1,4-Dichlorobenzene | 1.6 | 0.50 | 9.6 | 3.01 | | 1.0 | | | EPA TO |
| 2-Hitmanne (KDEK) C1.0 C1.0 <thc1.0< th=""> C1.0 C1.0</thc1.0<> | 2,2,4-Trimethylpentane | 3.0 | 0.50 | 14 | 2.34 | | 1.0 | 11/13/2008 | | EPA TO |
| 2-recanone 1.0 1.0 1.0 1.0 1.0 1.0 1.0 2-Propanol 2.1 2.0 5.2 4.92 1.0 11/13/2008 JJ EP 4-Methyl-2-pentanone (MIBK) 1.0 1.0 4.10 4.10 1.0 11/13/2008 JJ EP Actone 8.4 5.0 2.0 1.56 1.0 11/13/2008 JJ EP Actone 8.4 5.0 2.0 1.56 1.0 11/13/2008 JJ EP Actone 3.7 0.50 1.2 1.60 1.0 11/13/2008 JJ EP Benzen 3.7 0.50 4.15 3.35 1.0 11/13/2008 JJ EP Bromodichloromethane 4.050 0.50 <3.35 | 2-Butanone (MEK) | <1.0 | 1.0 | <2.95 | 2.95 | | 1.0 | 11/13/2008 | JJ | EPA TOI |
| Z-Propanol L.1 L.3 S.2 L.1 L.1 L.3 L.3 L.1 L.1 L.3 L.3 L.1 L.1 L.3 L.3 L.1 L.1 L.3 L.1 L.1 <thl.1< th=""> L.1 <thl.1< th=""> <thl.1< td=""><td>2-Hexanone</td><td><1.0</td><td>1.0</td><td><4.10</td><td>4.10</td><td></td><td>1.0</td><td>11/13/2008</td><td>IJ</td><td>EPA TOI</td></thl.1<></thl.1<></thl.1<> | 2-Hexanone | <1.0 | 1.0 | <4.10 | 4.10 | | 1.0 | 11/13/2008 | IJ | EPA TOI |
| A-Ethylonitene 0.30 2.30 2.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.41 1.40 1.41 1.40 1.41 1.40 1.41 1.40 1.41 1.40 1.41 1.40 1.11/13/2008 JJ EP Actone 8.4 5.0 2.0 2.0 2.0 1.56 1.56 1.0 11/13/2008 JJ EP Bernzene 3.7 0.50 0.50 <3.53 | 2-Propanol | 2.1 | 2.0 | 5.2 | 4.92 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Action 1.0 1.0 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.11/12/08 JJ EP Acetone 3.7 0.50 0.50 <1.56 | 4-Ethyltoluene | 0.57 | 0.50 | 2.8 | 2.46 | | 1.0 | 11/13/2008 | 31 | EPA TO |
| Acetone 8.4 5.0 20 11.9 1.0 11/13/2008 JJ EP Allyl Chloride <0.50 | 4-Methyl-2-pentanone (MIBK) | <1.0 | 1.0 | <4.10 | 4.10 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Allyl Chloride <0.50 <1.56 1.60 1.1/13/2008 JJ EP Benzene 3.7 0.50 12 1.60 1.0 11/13/2008 JJ EP Benzyl Chloride <2.0 2.0 <10.4 10.4 1.0 11/13/2008 JJ EP Bromodichloromethane <0.50 0.50 <3.35 3.35 1.0 11/13/2008 JJ EP Bromodichloromethane <0.50 0.50 <3.35 3.35 1.0 11/13/2008 JJ EP Bromodichloromethane <0.50 0.50 <1.77 5.17 1.0 11/13/2008 JJ EP Bromodifile <0.50 0.50 <1.75 1.77 1.0 11/13/2008 JJ EP Carbon disulfide <0.50 0.50 <3.15 3.15 1.0 11/13/2008 JJ EP Chloroethane <0.50 0.50 <2.30 2.30 1.0 11/13/2008 JJ EP | | 8.4 | 5.0 | 20 | 11.9 | | 1.0 | 11/13/2008 | 3J | EPA TO |
| Benzene 3.7 0.50 12 1.60 1.0 11/13/2008 JJ EP Benzyl Chloride <2.0 | | <0,50 | 0.50 | <1.56 | 1,56 | | 1.0 | 11/13/2008 | 31 | EPA TO |
| Benzyl Chloride <2.0 2.0 <10.4 10.4 1.0 11/13/2008 JJ EPA Bromodichloromethane <0.50 | · | 3.7 | 0.50 | 12 | 1.60 | | 1.0 | 11/13/2008 | 31 | EPA TO |
| Bromodichloromethane <0,50 <3.35 3.35 1.0 11/13/2008 JJ EP. Bromoethene(Vinyl Bromide) <0,50 | | <2.0 | 2.0 | <10.4 | 10.4 | | 1.0 | 11/13/2008 | JJ | EPA TOI |
| Bromoethene(Vinyl Bromide) <0.50 0.50 <2.19 2.19 1.0 11/13/2008 JJ EP/ Bromoethane <0.50 | • | | 0,50 | <3.35 | 3.35 | | 1.0 | 11/13/2008 | IJ | EPA TOI |
| Bromoform <0.50 0.50 <5.17 5.17 1.0 11/13/2008 JJ EP. Bromoform <0.50 | | | | <2.19 | 2.19 | | 1,0 | 11/13/2008 |]] | EPA TOI |
| Bromomethane<0.500.50<1.941.941.011/13/2008JJEP.Carbon disulfide0.800.502.51.561.011/13/2008JJEP.Carbon tetrachloride<0.500.50<2.302.301.011/13/2008JJEP.Chlorobenzene<0.500.50<2.302.301.011/13/2008JJEP.Chlorotethane<0.500.50<2.302.301.011/13/2008JJEP.Chlorotethane<0.500.50<2.442.441.011/13/2008JJEP.Chlorotethane<0.57<0.50<2.442.441.011/13/2008JJEP.Chlorotethane<0.57<0.50<2.44<2.441.011/13/2008JJEP.Chlorotethane<0.57<0.50<2.27<1.031.011/13/2008JJEP.Cis-1,2-Dichlorotethene<0.50<0.50<2.27<2.271.011/13/2008JJEP.Cyclohexane3.7<0.50<3.8<2.471.011/13/2008JJEP.Dibromochloromethane<0.50<5.0<3.8<2.471.011/13/2008JJEP.Dichlorotetrafluoroethane(F-114)<0.50<5.0<3.50<3.501.011/13/2008JJEP.Dichlorotetrafluoroethane(F-114)<0.50<5.0<3.50<3.501.011/13/2008JJEP.Dichlorotetrafluo | | | | <5.17 | 5.17 | | 1.0 | 11/13/2008 | 11 | EPA TOI |
| Carbon disulfide0.800.502.51.561.011/13/2008JJEPCarbon tetrachloride<0.50 | | | | | 1.94 | | 1.0 | 11/13/2008 | 11 | EPA TOI |
| Carbon tetrachloride<0,500,50<3.153.151.011/13/2008JJEP.Chlorobenzene<0,50 | | | | | | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Chlorobenzene<0.500.50<2.302.301.011/13/2008JJEP.Chlorobenzene<0.50 | | | | | | | 1.0 | 11/13/2008 | JJ | EPA TOI |
| Chloroethane<0.500.50<1.321.321.011/13/2008JJEP.Chloroform<0.50 | | | | | | | | 11/13/2008 | JĴ | EPA TO |
| Chloroform <0.50 0.50 <2.44 2.44 1.0 11/13/2008 JJ EP Chloroform 0.57 0.50 <2.44 2.44 1.0 11/13/2008 JJ EP Chloromethane 0.57 0.50 1.2 1.03 1.0 11/13/2008 JJ EP cis-1,2-Dichloroethene <0.50 0.50 <1.98 1.98 1.0 11/13/2008 JJ EP cis-1,3-Dichloropropene <0.50 0.50 <2.27 2.27 1.0 11/13/2008 JJ EP Cyclohexane 3.7 0.50 13 1.72 1.0 11/13/2008 JJ EP Dibromochloromethane <0.50 0.50 <3.8 2.47 1.0 11/13/2008 JJ EP Dichlorodifluoromethane <0.76 <0.50 <3.8 <2.47 1.0 11/13/2008 JJ EP Dichlorodifluoromethane(F-114) <0.50 <0.50 <3.50 3.50 1.0 11/13/2008 JJ EP Ethyl Acetate ' <0.50 <0.50 <1.80< | | | | | | | | | 11 | EPA TO |
| Chloronethane 0.50 0.50 1.1 1.11 1.11 Chloromethane 0.57 0.59 1.2 1.03 1.9 11/13/2008 JJ EP cis-1,2-Dichloroethene <0.50 0.50 <1.98 1.98 1.0 11/13/2008 JJ EP cis-1,3-Dichloropropene <0.50 0.50 <2.27 2.27 1.0 11/13/2008 JJ EP Cyclohexane 3.7 0.50 13 1.72 1.0 11/13/2008 JJ EP Dibromochloromethane <0.50 0.50 <4.26 4.26 1.0 11/13/2008 JJ EP Dichlorodifluoromethane <0.50 0.50 <4.26 4.26 1.0 11/13/2008 JJ EP Dichlorodifluoromethane(F-114) <0.50 0.50 <3.50 3.50 1.0 11/13/2008 JJ EP Ethyl Acetate ' <0.50 0.50 <1.80 1.80 1.0 11/13/2008 JJ EP | | | | | | | | | | EPA TO |
| cis-1,2-Dichloroethene <0.50 | | | | | | | | | | EPA TO |
| cis-1,2-Dichloroethene <0.50 | | | | | | | | | | EPA TOI |
| Cyclohexane 3.7 0.50 13 1.72 1.0 11/13/2008 JJ EP Dibromochloromethane <0.50 | | | | | | | | | | EPA TOI |
| Cyclonexane 3.7 6.50 1.0 1.12 1.11 2.008 1.12 EP 1.11 2.008 J.J EP Dichlorodifluoromethane 0.76 0.50 3.8 2.47 1.0 11/13/2008 J.J EP Dichlorotetrafluoroethane(F-114) <0.50 <0.50 <3.50 3.50 1.0 11/13/2008 J.J EP Ethyl Acetate ' <0.50 <0.50 <1.80 1.80 1.0 11/13/2008 J.J EP Ethyl Acetate ' <0.50 | | | | | | | | | | EPA TO |
| Dischlorodifluoromethane 0.76 0.50 3.8 2.47 1.0 11/13/2008 JJ EP Dischlorodifluoromethane 0.50 0.50 <3.50 | • | | | | | | | | | EPA TO |
| Dichlorodifuorometrane 0.76 0.50 5.3 2.47 10 11/13/2008 JJ EP. Dichlorodifuorometrane <0.50 | | | | | | | | | | EPA TO |
| Ethyl Acetate ' <0.50 <1.80 1.80 1.0 11/13/2008 JJ EP. Ethyl benzene 1.7 0.50 7.4 2.17 1.0 11/13/2008 JJ EP. | | | | | | | | | | EPA TOI |
| Ethylbenzene 1.7 0.50 7.4 2.17 1.0 11/13/2008 JJ EP. | | | | | | | | | | EPA TO |
| Envidenzene in ond in the Environment | Ethyl Acetate ' | | | | | | | | | |
| | Ethylbenzene | | | | | | | | | EPA TOI |
| | Freon 113 | <0,50 | 0.50 | <3.83 | 3.83 | | 1.0 | 11/13/2008 | 24 | Of EAGS |
| neptane and sto area | Heptane | 2.2 | 0.50 | | | | | | | |
| Hexachlorobutadiene <1.0 1.0 <10.7 10.7 C, L 1.0 11/13/2008 JJ EPA | Hexachlorobutadiene | <1.0 | 1.0 | <10.7 | 10.7 | C, L | 1.0 | 11/13/2008 | 11 | EPA TOI |



4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order:PRJ1586Received:10/30/08Project:N_ExxonMobil BuffaloProjectNumber:Exxon3-1010Buffalo

| ppl Result | DV PQL | <u>ug/m3</u> Result | PQL | Data Qualifiers | Dilution | Date Analyzed | Analyst | Method |
|----------------|--|---|--|--|---|---|---|---|
| EPA TO-15 | | | | | | | | |
| 06 (SV-2)) - c | ont. | | | | | | | 10/28/08 16: |
| 9,5 | 0.50 | 34 | 1.76 | | 1.0 | 11/13/2008 | JJ | ЕРА ТО |
| 4.1 | 1.0 | 18 | 4.34 | | 1.0 | 11/13/2008 | JI | EPA TO |
| 2.4 | 0.50 | 8,3 | 1.74 | | 1.0 | 11/13/2008 | 11 | ЕРА ТО |
| <1.0 | 1.0 | <3.61 | 3.61 | | 1.0 | 11/13/2008 | JJ | ЕРА ТО |
| 1.7 | 0.50 | 7.4 | 2,17 | | 1.0 | 11/13/2008 | JI | ЕРА ТО |
| <0,50 | 0.50 | <0.861 | 0.861 | | 1.0 | 11/13/2008 | JĬ | EPA TO |
| <0.50 | 0.50 | <2.13 | 2.13 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| <0.50 | 0.50 | <3.39 | 3.39 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| <2.0 | 2.0 | <5.90 | 5.90 | | 1.0 | 11/13/2008 | IJ | EPA TO |
| 9.7 | 0.50 | 37 | 1.88 | | 1,0 | 11/13/2008 | $\mathbf{J}\mathbf{J}$ | EPA TO |
| <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| <0,50 | 0.50 | <2.69 | 2.69 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| <0.50 | 0.50 | <2.81 | 2.81 | | 1.0 | 11/13/2008 | JJ | ΕΡΑ ΤΟ |
| <0.50 | 0.50 | <1.76 | 1.76 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| <0.50 | 0.50 | <1.28 | 1,28 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| | | Limit 70-130 | | | | | | |
| | Result EPA TO-15 06 (SV-2)) - 0 9.5 4.1 2.4 <1.0 | CPA TO-15 06 (SV-2)) - cont. 9.5 0.50 4.1 1.0 2.4 0.50 <1.0 | Result PQL Result CPA TO-15 0.50 34 9.5 0.50 34 4.1 1.0 18 2.4 0.50 8.3 <1.0 | Result PQL Result PQL CPA TO-15 06 (SV-2)) - cont. 9.5 0.50 34 1.76 4.1 1.0 18 4.34 2.4 0.50 8,3 1.74 <1.0 | ResultPQLResultPQLQualifiersCPA TO-15 9.5 0.50 34 1.76 4.1 1.0 18 4.34 2.4 0.50 8.3 1.74 <1.0 1.0 <3.61 3.61 1.7 0.50 7.4 2.17 <0.50 0.50 <2.13 2.13 <0.50 0.50 <2.13 2.13 <0.50 0.50 <3.39 3.39 <2.0 2.0 <5.90 5.90 9.7 0.50 37 1.88 <0.50 0.50 <1.98 1.98 <0.50 0.50 <2.27 2.27 <0.50 0.50 <2.81 2.81 <0.50 0.50 <1.76 2.81 <0.50 0.50 <1.28 1.28 | Result PQL Result PQL Qualifiers Dilution CPA TO-15 | ResultPQLResultPQLQualifiersDilutionAnalyzedEPA TO-15 $9,5$ 0.50 34 1.76 1.0 $11/13/2008$ 4.1 1.0 18 4.34 1.0 $11/13/2008$ 2.4 0.50 8.3 1.74 1.0 $11/13/2008$ <1.0 1.0 <3.61 3.61 1.0 $11/13/2008$ <1.0 1.0 <3.61 3.61 1.0 $11/13/2008$ <1.0 1.0 <3.61 3.61 1.0 $11/13/2008$ <0.50 0.50 <2.13 2.13 1.0 $11/13/2008$ <0.50 0.50 <2.13 2.13 1.0 $11/13/2008$ <0.50 0.50 <3.39 3.39 1.0 $11/13/2008$ <2.0 2.0 <5.90 5.90 1.0 $11/13/2008$ <0.50 0.50 <1.98 1.98 1.0 $11/13/2008$ <0.50 0.50 <2.27 2.27 1.0 $11/13/2008$ <0.50 0.50 <2.81 2.81 1.0 $11/13/2008$ <0.50 0.50 <2.81 2.81 1.0 $11/13/2008$ <0.50 0.50 <2.81 2.81 1.0 $11/13/2008$ <0.50 0.50 <1.76 1.76 1.0 $11/13/2008$ <0.50 0.50 <1.28 1.28 1.0 $11/13/2008$ <0.50 0.50 <1.28 1.28 1.0 $11/13/208$ <td>LeftPQLResultPQLQualifiersDilutionAnalyzedAnalystEPA TO-15$066 (SV-2)) - cont.$9.50.50341.761.011/13/2008JJ4.11.0184.341.011/13/2008JJ2.40.508.31.741.011/13/2008JJ<1.0</td> 1.0<3.61 | LeftPQLResultPQLQualifiersDilutionAnalyzedAnalystEPA TO-15 $066 (SV-2)) - cont.$ 9.50.50341.761.011/13/2008JJ4.11.0184.341.011/13/2008JJ2.40.508.31.741.011/13/2008JJ<1.0 |

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage Work Order: PRJ1586

Received: 10/30/08 Reported: 11/26/08 14:55

Reported: 11/

Project: N_ExxonMobil Buffalo Project Number: Exxon 3-1010 Buffalo / NRK0367

| riojeci | Number, Exactin | 3-1010 | Dunino | ****** |
|---------|-----------------|--------|--------|--------|
| | | | | |

| | <u>pph</u> Result | <u>w</u> PQL | <u>ug/m3</u> Result | PQL | Data Qualifiers | Dilution | Date Analyzed | Analysi | r Method |
|----------------------------------|----------------------|-----------------|------------------------|--------------|--------------------|----------|------------------|----------|------------------------|
| | | 1 QL | Resurt | | ~~~~~~ | Diracion | | | , |
| olatile Organic Compounds by | | | | | | | | G | 10/20/00 17. |
| Sample ID: PRJ1586-07 (NRK0367 | | | ~2.72 | 2.73 | | 1.0 | 11/13/2008 | Sampled: | 10/28/08 17: EPA TO |
| 1,1,1-Trichloroethane | <0.50 | 0.50 | <2.73 | | | 1.0 | 11/13/2008 | JJ | EPA TO |
| 1,1,2,2-Tetrachloroethane | <0.50 | 0.50 | <3.43 | 3,43 2.73 | | 1.0 | 11/13/2008 |))]] | EPA TO |
| 1,1,2-Trichloroethane | <0.50 | 0.50 | <2.73 | 2.73 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| 1,1-Dichloroethane | <0.50 | 0.50 | <2.02 | 1.98 | | 1.0 | 11/13/2008 |)] | EPA TO |
| 1,1-Dichloroethene | <0.50 | 0.50 | <1.98 | | с т | 1.0 | 11/13/2008 | JJ | EPA TO |
| 1,2,4-Trichlorobenzene | <2.0 | 2.0 | <14.8 | 14.8 | C, L | | 11/13/2008 |)] | EPA TO |
| 1,2,4-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 11/13/2008 | 11 | EFA TO |
| 1,2-Dibromoethane (EDB) | <0.50 | 0.50 | <3.84 | 3.84 | | 1.0 | | ,, J] | EPA TO |
| 1,2-Dichlorobenzene | <0.50 | 0,50 | <3.01 | 3.01 | | 1.0 | 11/13/2008 |]]]] | EPA TO |
| 1,2-Dichloroethane | <0.50 | 0.50 | <2.02 | 2.02 | | 1.0 | 11/13/2008 | | |
| 1,2-Dichloropropane | <0.50 | 0.50 | <2.31 | 2.31 | | 1,0 | 11/13/2008 | JĴ | ЕРА ТС ЕРА ТС |
| 1,3,5-Trimethylbenzene | <0.50 | 0.50 | <2.46 | 2.46 | | 1.0 | 11/13/2008 |)J | |
| 1,3-Butadiene | <0.50 | 0.50 | <1.10 | 1.10 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| 1,3-Dichlorobenzene | <0.50 | 0.50 | <3.01 | 3.01 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| 1,4-Dichlorobenzene | <0,50 | 0.50 | <3.01 | 3.01 | | 1.0 | 11/13/2008 | IJ | EPA TO |
| 2,2,4-Trimethylpentane | <0.50 | 0.50 | <2.34 | 2.34 | | 1.0 | 11/13/2008 |)J | EPA TO |
| 2-Butanone (MEK) | <1.0 | 1.0 | <2.95 | 2.95 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| 2-Hexanone | <1.0 | 1.0 | <4,10 | 4,10 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| 2-Propanol | <2.0 | 2.0 | <4.92 | 4.92 | | 1.0 | 11/13/2008 | IJ | EPA TC |
| 4-Ethyltoluene | <0.50 | 0.50 | <2.46 | 2.46 | | 1,0 | 11/13/2008 | 11 | EPA TO |
| 4-Methyl-2-pentanone (MIBK) | <1,0 | 1.0 | <4.10 | 4.10 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| Acetone | 6.5 | 5.0 | 15 | 11.9 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Allyl Chloride | <0.50 | 0,50 | <1.56 | 1.56 | | 1.0 | 11/13/2008 |]] | EPA TO |
| Benzene | <0.50 | 0.50 | <1.60 | 1.60 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| Benzyl Chloride | <2.0 | 2.0 | <10.4 | 10.4 | | 1.0 | 11/13/2008 |]] | EPA TO |
| Bromodichloromethane | <0.50 | 0.50 | <3.35 | 3.35 | | 1.0 | 11/13/2008 | ŢŢ | ΕΡΑ ΤΟ |
| Bromoethene(Vinyl Bromide) | <0.50 | 0.50 | <2.19 | 2.19 | | 1.0 | 11/13/2008 | JJ | ΕΡΑ ΤΟ |
| Bromoform | <0,50 | 0.50 | <5.17 | 5.17 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Bromomethane | <0.50 | 0.50 | <1.94 | 1.94 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Carbon disulfide | <0,50 | 0.50 | <1.56 | 1.56 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Carbon tetrachloride | <0.50 | 0.50 | <3.15 | 3.15 | | 1.0 | 11/13/2008 | 11 | EPA TC |
| Chlorobenzene | <0,50 | 0.50 | <2.30 | 2.30 | | 1.0 | 11/13/2008 | jj | EPA TO |
| Chloroethane | <0,50 | 0.50 | <1.32 | 1.32 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| Chloroform | <0,50 | 0.50 | <2.44 | 2.44 | | 1.0 | 11/13/2008 | 11 | EPA TO |
| Chloromethane | 0.51 | 0.50 | 1.1 | 1.03 | | 1.0 | 11/13/2008 | ĴЈ | EPA TO |
| cis-1,2-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 11/13/2008 |]] | EPA TO |
| cis-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 11/13/2008 |]] | EPA TO |
| Cyclohexane | <0.50 | 0.50 | <1.72 | 1,72 | | 1.0 | 11/13/2008 | JJ | ΕΡΑ ΤΟ |
| Dibromochloromethane | <0.50 | 0,50 | <4.26 | 4.26 | | 1.0 | 11/13/2008 | JJ | EPA TO |
| Dichlorodifluoromethane | 0.62 | 0.50 | 3.1 | 2.47 | | 1.0 | 11/13/2008 | JJ | ЕРА ТС |
| Dichlorotetrafluoroethane(F-114) | <0.50 | 0,50 | <3.50 | 3.50 | | 1.0 | 11/13/2008 | JJ | ΕΡΑ ΤΟ |
| Ethyl Acetate | <0.50 | 0,50 | <1.80 | 1,80 | , | 1.0 | 11/13/2008 | ′ JJ | ЕРА ТО |
| Ethylbenzene | <0,50 | 0.50 | <2.17 | 2.17 | | 1.0 | 11/13/2008 | JJ | ΕΡΑ ΤΟ |
| Freon 113 | <0.50 | 0.50 | <3.83 | 3.83 | | 1.0 | 11/13/2008 | 4/ | EPA TO |
| Heptane | <0.50 | 0.50 | <2.05 | 2.05 | | 1.0 | 11/13/2008 | 40 | of epa 69 |

America es

4625 East Cotton Center Bivd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303 THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Gail Lage

PRJ1586 Work Order:

10/30/08 Received: 11/26/08 14:55

Reported:

N_ExxonMobil Buffalo Project: Project Number: Exxon 3-1010 Buffalo / NRK0367

| | | | | | | www.communicative.com/ | ********* | menter i sociale i calificati e contra da Calificati da Calificati | | **** |
|--------------------------------------|---------------|---------------|------------------------|-------|--------------------|------------------------|------------------|--|----------|-------|
| | ppb Result | Y PQL | <u>ug/m3</u> Result | PQL | Data Qualifiers | Dilution | Date Analyzed | Analyst | Met | hod |
| Volatile Organic Compounds by EP | A TO-15 | | | | | | | | | |
| Sample ID: PRJ1586-07 (NRK0367-07 | (Ambient Ai | r 4)) - cont. | | | | | | Sampled: | 10/28/08 | 17:17 |
| Hexachlorobutadiene | <1.0 | 1.0 | <10.7 | 10,7 | C, L | 1.0 | 11/13/2008 | 11 | EPA | TO15 |
| Hexane | <0.50 | 0.50 | <1.76 | 1.76 | | 1.0 | 11/13/2008 | JJ | ÉPA | TO15 |
| m,p-Xylenes | <1.0 | 1.0 | <4.34 | 4.34 | | 1.0 | 11/13/2008 | 11 | EPA | TO15 |
| Methylene Chloride | 0,99 | 0.50 | 3.4 | 1.74 | | 1.0 | 11/13/2008 | 11 | EPA | TO15 |
| Methyl-tert-butyl Ether (MTBE) | <1.0 | 1,0 | <3.61 | 3.61 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| o-Xylene | <0:50 | 0.50 | <2.17 | 2.17 | | 1.0 | 11/13/2008 | 11 | EPA | TO15 |
| Propene | <0.50 | 0.50 | <0.861 | 0.861 | | 1.0 | 11/13/2008 | 11 | EPA | TO15 |
| Styrene | <0.50 | 0.50 | <2.13 | 2.13 | | 1.0 | 11/13/2008 | 11 | EPA | TO15 |
| Tetrachloroethene | <0.50 | 0.50 | <3.39 | 3.39 | | 1.0 | 11/13/2008 | JĴ | EPA | TO15 |
| Tetrahydrofturan | <2,0 | 2.0 | <5.90 | 5.90 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Toluene | <0.50 | 0.50 | <1.88 | 1.88 | | 1.0 | 11/13/2008 | IJ | EPA | TO15 |
| trans-1,2-Dichloroethene | <0.50 | 0.50 | <1.98 | 1.98 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| trans-1,3-Dichloropropene | <0.50 | 0.50 | <2.27 | 2.27 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Trichloroethene | <0.50 | 0.50 | <2.69 | 2.69 | | 1.0 | 11/13/2008 | IJ | EPA | TO15 |
| Trichlorofluoromethane | <0.50 | 0.50 | <2.81 | 2.81 | | 1.0 | 11/13/2008 | 11 | EPA | TO15 |
| Vinyl Acetate | <0.50 | 0.50 | <1.76 | 1.76 | | 1.0 | 11/13/2008 | JJ | EPA | TO15 |
| Vinyl chloride | <0,50 | 0.50 | <1.28 | 1.28 | | 1.0 | 11/13/2008 | 1] | EPA | TO15 |
| - Surrogate: 4-Bromofluorobenzene | 100 % | Limit | 70-130 | | | | | | | |
| | | | | | | | | | | |



4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602)

454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Attention: Gail Lage Project ID: Exxon 3-1010 Buffalo / NRJ1277

Report Number: PRJ0559

Sampled: 10/06/08-10/07/08 Received: 10/09/08

Fixed Gases by EPA 3C/ASTM D-1946

| | I IACU | Gubbb Nj | | | | | | |
|-------------------------------------|-----------|----------|-----------|--------|----------|------------|------------|------------|
| | | | Reporting | Sample | Dilution | Date | Date | Data |
| Analyte | Method | Batch | Limit | Result | Factor | Extracted | Analyzed | Qualifiers |
| Sample ID: PRJ0559-01 (SV-6 - Air) | | | | | Sampled: | 10/06/08 | | |
| Reporting Units: ppmv | | | | | | | | |
| Hydrogen | 3C/D-1946 | P8J1311 | 246.0 | ND | 1 | | 10/13/2008 | |
| Carbon Monoxide | 3C/D-1946 | P8J1311 | 10.00 | ND | 1 | | 10/13/2008 | |
| Methane | 3C/D-1946 | P8J1311 | 9.920 | 52.31 | 1 | | 10/13/2008 | |
| Carbon Diexide | 3C/D-1946 | P8J1311 | 10.00 | 1291 | 1 | 10/13/2008 | 10/13/2008 | |
| Sample ID: PRJ0559-01RE1 (SV-6 - Ai | r) | | | | Sampled: | 10/06/08 | | |
| Reporting Units: ppmv | , , | | | | | | | |
| Oxygen | 3C/D-1946 | P8J1413 | 12500 | 199300 | 50 | 10/14/2008 | 10/14/2008 | RL7 |
| Nitrogen | 3C/D-1946 | P8J1413 | 24700 | 754500 | 100 | 10/14/2008 | 10/14/2008 | RL7 |
| Sample ID: PRJ0559-02 (SV-4 - Air) | | | | | Sampled: | 10/06/08 | | |
| Reporting Units: ppmv | | | | | | | | |
| Hydrogen | 3C/D-1946 | P8J1413 | 246.0 | ND | 1 | 10/14/2008 | 10/14/2008 | |
| Oxygen | 3C/D-1946 | P8J1413 | 12500 | 193400 | 50 | 10/14/2008 | 10/14/2008 | RL7 |
| Nitrogen | 3C/D-1946 | P8J1413 | 24700 | 715200 | 100 | 10/14/2008 | 10/14/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8J1413 | 10.00 | ND | 1 | | 10/14/2008 | |
| Methane | 3C/D-1946 | P8J1413 | 9.920 | ND | 1 | 10/14/2008 | 10/14/2008 | |
| Carbon Dioxide | 3C/D-1946 | P8J1413 | 10.00 | 3023 | 1 | 10/14/2008 | 10/14/2008 | |
| Sample ID: PRJ0559-03 (SV-5 - Air) | | | | | Sampled: | 10/06/08 | | |
| Reporting Units: ppmv | | | | | | | | |
| Hydrogen | 3C/D-1946 | P8J1413 | 246.0 | ND | 1 | | 10/14/2008 | |
| Carbon Monoxide | 3C/D-1946 | P8J1413 | 10.00 | ND | 1 | 10/14/2008 | 10/14/2008 | |
| Methane | 3C/D-1946 | P8J1413 | 9.920 | 25.63 | 1 | 10/14/2008 | 10/14/2008 | |
| Carbon Dioxide | 3C/D-1946 | P8J1413 | 10.00 | 454.0 | 1 | 10/14/2008 | 10/14/2008 | |
| Sample ID: PRJ0559-03RE1 (SV-5 - Ai | r) | | | | Sampled: | 10/06/08 | | |
| Reporting Units: ppmv | | | | | | | | |
| Oxygen | 3C/D-1946 | P8J1506 | 12500 | 199300 | 50 | 10/15/2008 | 10/15/2008 | RL7 |
| Nitrogen | 3C/D-1946 | P8J1506 | 24700 | 784700 | 100 | 10/15/2008 | 10/15/2008 | RL7 |
| Sample ID: PRJ0559-04 (SV-9 - Air) | | | | | Sampled: | 10/06/08 | | |
| Reporting Units: ppmv | | | | | | | | |
| Hydrogen | 3C/D-1946 | P8J1506 | 246.0 | ND | 1 | | 10/15/2008 | |
| Oxygen | 3C/D-1946 | P8J1506 | 12500 | 159800 | 50 | | 10/15/2008 | RL7 |
| Nitrogen | 3C/D-1946 | P8J1506 | 24700 | 774000 | 100 | | 10/15/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8J1506 | 10.00 | ND | 1 | | 10/15/2008 | |
| Methane | 3C/D-1946 | P8J1506 | 9.920 | ND | 1 | | 10/15/2008 | |
| Carbon Dioxide | 3C/D-1946 | P8J1506 | 500.0 | 41180 | 50 | 10/15/2008 | 10/15/2008 | RL7 |
| | | | | | | | | |

TestAmerica Phoenix

Denise Harrington Project Manager

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TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Attention: Gail Lage Project ID: Exxon 3-1010 Buffalo / NRJ1277

Report Number: PRJ0559

Sampled: 10/06/08-10/07/08 Received: 10/09/08

Fixed Gases by EPA 3C/ASTM D-1946

| | Fixed | Gases by | EPA : | SC/AST M | D-1940 | | | |
|--|--------------|------------------|--------------------|------------------|--------------------|-------------------|------------------|--------------------|
| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
| Sample ID: PRJ0559-05 (Ambient Air) | l - Air) | | | | Sampled: | 10/06/08 | | |
| Reporting Units: ppmv | | 5071 #0.4 | | 100 | 1 | 10/15/0000 | 10/16/0000 | |
| Hydrogen | 3C/D-1946 | P8J1506 | 246.0 | ND | 1 | | 10/15/2008 | |
| Carbon Monoxide | 3C/D-1946 | P8J1506 | 10.00 | ND | 1 | 10/15/2008 | | |
| Methane | 3C/D-1946 | P8J1506 | 9.920 | ND | 1 | 10/15/2008 | | |
| Carbon Dioxide | 3C/D-1946 | P8J1506 | 10.00 | 440.5 | 1 | | 10/15/2008 | |
| Sample ID: PRJ0559-05RE1 (Ambient A Reporting Units: ppmv | Air 1 - Air) | | | | Sampled: | 10/06/08 | | |
| Oxygen | 3C/D-1946 | P8J1607 | 12500 | 201800 | 50 | 10/16/2008 | 10/16/2008 | RL7 |
| Sample ID: PRJ0559-05RE2 (Ambient A | Air 1 - Air) | | | | Sampled: | 10/06/08 | | |
| Reporting Units: ppmv Nitrogen | 3C/D-1946 | P8J2027 | 24700 | 759000 | 100 | 10/21/2008 | 10/21/2008 | RL7 |
| Sample ID: PRJ0559-06 (SV-3 - Air) Reporting Units: ppmv | | | | | Sampled: | 10/07/08 | | |
| Reporting Units: ppmv Hydrogen | 3C/D-1946 | P8J1607 | 246.0 | ND | 1 | 10/16/2008 | 10/16/2008 | |
| Oxygen | 3C/D-1946 | P8J1607 | 12500 | 132400 | 50 | | 10/16/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8J1607 | 10.00 | ND | 1 | 10/16/2008 | 10/16/2008 | |
| Methane | 3C/D-1946 | P8J1607 | 9.920 | ND | 1 | 10/16/2008 | 10/16/2008 | |
| Carbon Dioxide | 3C/D-1946 | P8J1607 | 500.0 | 27640 | 50 | 10/16/2008 | 10/16/2008 | RL7 |
| Sample ID: PRJ0559-06RE1 (SV-3 - Ai | r) | | | | Sampled: | 10/07/08 | | |
| Reporting Units: ppmv | | 5070.00 0 | 0.4500 | ****** | 100 | 10/01/0000 | 10/01/0009 | RL7 |
| Nitrogen | 3C/D-1946 | P8J2027 | 24700 | 775500 | 100 | | 10/21/2008 | |
| Sample ID: PRJ0559-07 (SV-12 - Air) Reporting Units: ppmv | | | | | Sampled: | 10/07/08 | | |
| Hydrogen | 3C/D-1946 | P8J2027 | 246.0 | ND | 1 | 10/21/2008 | 10/21/2008 | |
| Carbon Monoxide | 3C/D-1946 | P8J2027 | 10.00 | ND | 1 | 10/21/2008 | 10/21/2008 | |
| Sample ID: PRJ0559-07RE1 (SV-12 - A Reporting Units: ppmv | Air) | | | | Sampled: | 10/07/08 | | |
| Reporting Units: ppmv Oxygen | 3C/D-1946 | P8J2702 | 12500 | 46780 | 50 | 10/22/2008 | 10/22/2008 | RL7 |
| Nitrogen | 3C/D-1946 | P8J2702 | 24700 | 647900 | 100 | 10/22/2008 | 10/22/2008 | RL7 |
| Methane | 3C/D-1946 | P8J2702 | 496.0 | 159200 | 50 | 10/22/2008 | 10/22/2008 | RL7 |
| Carbon Dioxide | 3C/D-1946 | P8J2702 | 500.0 | 99170 | 50 | 10/22/2008 | 10/22/2008 | RL7 |
| Sample ID: PRJ0559-08 (Duplicate 2 - | Air) | | | | Sampled: | 10/07/08 | | |
| Reporting Units: ppmv Hydrogen | 3C/D-1946 | P8J2702 | 246.0 | ND | 1 | 10/22/2008 | 10/22/2008 | |
| Oxygen | 3C/D-1946 | P8J2702 | 12500 | 199600 | 50 | | 10/22/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8J2702 | 10.00 | ND | 1 | | 10/22/2008 | |
| Methane | 3C/D-1946 | P8J2702 | 9.920 | ND | 1 | | 10/22/2008 | |
| Carbon Dioxide | 3C/D-1946 | P8J2702 | 10.00 | 2959 | 1 | | 10/22/2008 | |
| Varoun Divanc | | 1002.02 | | | - | | | |

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Denise Harrington Project Manager 7 of 851

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454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Attention: Gail Lage Project ID: Exxon 3-1010 Buffalo / NRJ1277

Report Number: PRJ0559

Sampled: 10/06/08-10/07/08 Received: 10/09/08

Fixed Gases by EPA 3C/ASTM D-1946

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--------------------------------------|------------------|---------|--------------------|------------------|--------------------|-------------------|------------------|--------------------|
| Sample ID: PRJ0559-08RE1 (Duplicate | 2 - Air) - cont. | | | | Sampled: | 10/07/08 | | |
| Reporting Units: ppmv Nitrogen | 3C/D-1946 | P8J2705 | 24700 | 785500 | 100 | 10/23/2008 | 10/23/2008 | RL7 |
| Sample ID: PRJ0559-09 (Duplicate 1 - | Air) | | | | Sampled: | 10/07/08 | | |
| Reporting Units: ppmv | | | | | | | | |
| Hydrogen | 3C/D-1946 | P8J2705 | 246.0 | ND | 1 | 10/23/2008 | 10/23/2008 | |
| Oxygen | 3C/D-1946 | P8J2705 | 12500 | 204800 | 50 | 10/23/2008 | 10/23/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8J2705 | 10.00 | ND | 1 | 10/23/2008 | 10/23/2008 | |
| Methane | 3C/D-1946 | P8J2705 | 9.920 | 57.99 | 1 | 10/23/2008 | 10/23/2008 | |
| Carbon Dioxide | 3C/D-1946 | P8J2705 | 10.00 | 1146 | 1 | 10/23/2008 | 10/23/2008 | |
| Sample ID: PRJ0559-09RE1 (Duplicate | 1 - Air) | | | | Sampled: | 10/07/08 | | |
| Reporting Units: ppmv | | | | | 100 | 10/04/0000 | 10/04/0000 | DI 7 |
| Nitrogen | 3C/D-1946 | P8J2707 | 24700 | 742600 | 100 | 10/24/2008 | 10/24/2008 | RL7 |
| Sample ID: PRJ0559-10 (Ambient Air | - Air) | | | | Sampled: | 10/07/08 | | |
| Reporting Units: ppmv | | | | | _ | 1010 10000 | 10/04/0000 | |
| Hydrogen | 3C/D-1946 | P8J2707 | 246.0 | ND | 1 | | 10/24/2008 | D1 7 |
| Oxygen | 3C/D-1946 | P8J2707 | 12500 | 201800 | 50 | | 10/24/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8J2707 | 10.00 | ND | 1 | | 10/24/2008 | |
| Methane | 3C/D-1946 | P8J2707 | 9.920 | ND | 1 | | 10/24/2008 | |
| Carbon Dioxide | 3C/D-1946 | P8J2707 | 10.00 | 434.5 | 1 | 10/24/2008 | 10/24/2008 | |
| Sample ID: PRJ0559-10RE1 (Ambient | Air - Air) | | | | Sampled: | 10/07/08 | | |
| Reporting Units: ppmv | | | | | | | | |
| Nitrogen | 3C/D-1946 | P8J2711 | 24700 | 728500 | 100 | 10/27/2008 | 10/27/2008 | RL7 |

TestAmerica Phoenix

Denise Harrington Project Manager

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602)

454-9303

TestAmerica NashvilleProject ID: Exxon 3-1010 Buffalo / NRK03672960 Foster Creighton DriveSampled: 10/28/08Nashville, TN 37204Report Number: PRJ1586Received: 10/30/08Attention: Gail LageGail LageSampled: 10/28/08

Fixed Gases by EPA 3C/ASTM D-1946

| | FIXCU | Gases by | MA J | | D-1240 | | | |
|-----------------------------------|-----------------|-----------|-----------|---|----------|------------|------------|------------|
| | | | Reporting | Sample | Dilution | Date | Date | Data |
| Analyte | Method | Batch | Limit | Result | Factor | Extracted | Analyzed | Qualifiers |
| Sample ID: PRJ1586-01 (NRK0367-01 | (SV-1) - Air) | | | | | | | |
| Reporting Units: ppmv | | | | | | | | |
| Hydrogen | 3C/D-1946 | P8K0601 | 246.0 | ND | 1 | 11/6/2008 | 11/6/2008 | |
| Oxygen | 3C/D-1946 | P8K0601 | 12500 | 110100 | 50 | 11/6/2008 | 11/6/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8K0601 | 10.00 | ND | 1 | 11/6/2008 | 11/6/2008 | |
| Methane | 3C/D-1946 | P8K0601 | 496.0 | 130200 | 50 | 11/6/2008 | 11/6/2008 | RL7 |
| Carbon Dioxide | 3C/D-1946 | P8K0601 | 500.0 | 32890 | 50 | 11/6/2008 | 11/6/2008 | RL7 |
| Sample ID: PRJ1586-01RE1 (NRK036 | 7-01 (SV-1) - A | (ir) | | | | | | |
| - | /-01 (57-1) - 2 | | | | | | | |
| Reporting Units: ppmv Nitrogen | 3C/D-1946 | P8K0711 | 24700 | 748800 | 100 | 11/7/2008 | 11/7/2008 | RL7 |
| | | | 27,00 | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | |
| Sample ID: PRJ1586-02 (NRK0367-02 | (SV-10) - Air) | | | | | | | |
| Reporting Units: ppmv | | | | | | 11/11/2000 | 11/11/0000 | |
| Hydrogen | 3C/D-1946 | P8K1108 | 246.0 | ND | 1 | | 11/11/2008 | D1 6 |
| Oxygen | 3C/D-1946 | P8K1108 | 12500 | 13350 | 50 | | 11/11/2008 | RL7 |
| Nitrogen | 3C/D-1946 | P8K1108 | 12350 | 422300 | 50 | | 11/11/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8K1108 | 10.00 | ND | 1 | | 11/11/2008 | 017 |
| Methane | 3C/D-1946 | P8K1108 | 496.0 | 412500 | 50 | | 11/11/2008 | RL7 |
| Carbon Dioxide | 3C/D-1946 | P8K1108 | 500.0 | 84780 | 50 | 11/11/2008 | 11/11/2008 | RL7 |
| Sample ID: PRJ1586-03 (NRK0367-03 | (SV-11) - Air) | | | | | | | |
| Reporting Units: ppmv | | | | | | | | |
| Hydrogen | 3C/D-1946 | P8K0601 | 246.0 | ND | 1 | 11/6/2008 | 11/6/2008 | |
| Oxygen | 3C/D-1946 | P8K0601 | 12500 | 14840 | 50 | 11/6/2008 | 11/6/2008 | RL7 |
| Nitrogen | 3C/D-1946 | P8K0601 | 24700 | 718500 | 100 | 11/6/2008 | 11/6/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8K0601 | 10.00 | ND | 1 | 11/6/2008 | 11/6/2008 | |
| Methane | 3C/D-1946 | P8K0601 | 496.0 | 244800 | 50 | 11/6/2008 | 11/6/2008 | RL7 |
| Carbon Dioxide | 3C/D-1946 | P8K0601 | 10.00 | 12070 | 1 | 11/6/2008 | 11/6/2008 | |
| Sample ID: PRJ1586-04 (NRK0367-04 | (SV-8) - Air) | | | | | | | |
| Reporting Units: ppmv | (5. 0)) | | | | | | | |
| Hydrogen | 3C/D-1946 | P8K0521 | 246.0 | ND | 1 | 11/5/2008 | 11/5/2008 | |
| Oxygen | 3C/D-1946 | P8K0521 | 12500 | 191900 | 50 | 11/5/2008 | 11/5/2008 | RL7 |
| Nitrogen | 3C/D-1946 | P8K0521 | 24700 | 747200 | 100 | 11/5/2008 | 11/5/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8K0521 | 10.00 | ND | 1 | 11/5/2008 | 11/5/2008 | |
| Methane | 3C/D-1946 | P8K0521 | 9.920 | ND | 1 | 11/5/2008 | 11/5/2008 | |
| Carbon Dioxide | 3C/D-1946 | P8K0521 | 10.00 | 3495 | 1 | 11/5/2008 | 11/5/2008 | |
| | | | | | | | | |
| Sample ID: PRJ1586-05 (NRK0367-05 | (Ambient Air . | 5) - Air) | | | | | | |
| Reporting Units: ppmv Hydrogen | 3C/D-1946 | P8K1108 | 246.0 | ND | 1 | 11/11/2008 | 11/11/2008 | |
| | 3C/D-1946 | P8K1108 | 12500 | 193000 | 50 | 11/11/2008 | | RL7 |
| Oxygen Nitrogen | 3C/D-1946 | P8K1108 | 24700 | 744400 | 100 | 11/11/2008 | | RL7 RL7 |
| Carbon Monoxide | 3C/D-1946 | P8K1108 | 10,00 | ND | 1 | 11/11/2008 | | |
| Curoni monovido | , | 1 0121100 | * **** | 6 . AP | | | | |
| an extension Discounting | | | | | | | | |

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Denise Harrington Project Manager 4 of 465

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602)

454-9303

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Attention: Gail Lage

Report Number: PRJ1586

Sampled: 10/28/08 Received: 10/30/08

Fixed Gases by EPA 3C/ASTM D-1946

Project ID: Exxon 3-1010 Buffalo / NRK0367

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|---|--|--|---|--|--|---|--------------------|
| Sample ID: PRJ1586-05 (NRK0367-05 | (Ambient Air 3) | - Air) - | cont. | | | | | |
| Reporting Units: ppmv | | | | | | | | |
| Methane | 3C/D-1946 | P8K1108 | 9.920 | ND | 1 | 11/11/2008 | 11/11/2008 | |
| Carbon Dioxide | 3C/D-1946 | P8K1108 | 10.00 | 435.0 | 1 | 11/11/2008 | 11/11/2008 | • |
| Sample ID: PRJ1586-06 (NRK0367-06 | (SV-2) - Air) | | | | | | | |
| Reporting Units: ppmv | | | | | | | | |
| Hydrogen | 3C/D-1946 | P8K0711 | 246.0 | ND | 1 | 11/7/2008 | 11/7/2008 | |
| Oxygen | 3C/D-1946 | P8K0711 | 12500 | 208100 | 50 | 11/7/2008 | 11/7/2008 | RL7 |
| | 3C/D-1946 | P8K0711 | 24700 | 735500 | 100 | 11/7/2008 | 11/7/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8K0711 | 10.00 | ND | 1 | 11/7/2008 | 11/7/2008 | |
| Methane | 3C/D-1946 | P8K0711 | 9.920 | ND | 1 | 11/7/2008 | 11/7/2008 | |
| Carbon Dioxide | 3C/D-1946 | P8K0711 | 10.00 | 553.5 | 1 | 11/7/2008 | 11/7/2008 | |
| Sample ID: PRJ1586-07 (NRK0367-07 | (Ambient Air 4) | - Air) | | | | | | |
| Reporting Units: ppmv | | | | | | | | |
| Hydrogen | 3C/D-1946 | P8K1008 | 246.0 | ND | 1 | 11/10/2008 | 11/10/2008 | |
| Oxygen | 3C/D-1946 | P8K1008 | 12500 | 197500 | 50 | 11/10/2008 | 11/10/2008 | RL7 |
| Nitrogen | 3C/D-1946 | P8K1008 | 24700 | 775200 | 100 | 11/10/2008 | 11/10/2008 | RL7 |
| Carbon Monoxide | 3C/D-1946 | P8K1008 | 10.00 | ND | 1 | 11/10/2008 | 11/10/2008 | |
| Methane | 3C/D-1946 | P8K1008 | 9.920 | ND | 1 | 11/10/2008 | 11/10/2008 | |
| Carbon Dioxide | 3C/D-1946 | P8K1008 | 10.00 | 520.0 | 1 | 11/10/2008 | 11/10/2008 | |
| Oxygen Nitrogen Carbon Monoxide Methane Carbon Dioxide Sample ID: PRJ1586-07 (NRK0367-07 Reporting Units: ppmv Hydrogen Oxygen Nitrogen Carbon Monoxide Methane | 3C/D-1946 3C/D-1946 3C/D-1946 3C/D-1946 3C/D-1946 (Ambient Air 4) 3C/D-1946 3C/D-1946 3C/D-1946 3C/D-1946 3C/D-1946 | P8K0711 P8K0711 P8K0711 P8K0711 P8K0711 - Air) P8K1008 P8K1008 P8K1008 P8K1008 P8K1008 | 12500 24700 10.00 9.920 10.00 246.0 12500 24700 10.00 9.920 | 208100 735500 ND ND 553.5 ND 197500 775200 ND ND | 100 1 1 1 1 50 100 1 1 | 11/7/2008 11/7/2008 11/7/2008 11/7/2008 11/7/2008 11/7/2008 11/10/2008 11/10/2008 11/10/2008 11/10/2008 11/10/2008 | 11/7/2008 11/7/2008 11/7/2008 11/7/2008 11/7/2008 11/10/2008 11/10/2008 11/10/2008 11/10/2008 11/10/2008 | RL7 RL7 |

TestAmerica Phoenix

Denise Harrington Project Manager



THE LEADER IN ENVIRONMENTAL TESTING 4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

| TestAmerica Nashville 2960 Foster Creighton Drive | Work Order: | PRJ0560 | Received: Reported: | |
|--|-----------------------------|------------------------------|------------------------|--|
| Nashville, TN 37204 Gail Lage | Project: Project Number: | N_ExxonMobil Exxon 3-1010 | 1279 | |

ANALYTICAL REPORT

| Analyte | | Result | | Qual | Date Analyzed Analyst | Rpt Limit | Method | |
|---|-----------|-----------|---------------|------|--------------------------|--------------|----------------------|--|
| Mercury by NIOSH 6009 (| Modified) | | | | | | | |
| Sample ID: PRJ0560-01 (NRJ1279-01 (SV-9)) | | Filter | Filter Sample | | Volume:100.99L | Sam | Sampled: 10/07/08 | |
| | ug, Total | mg/m3 | ppm | | | ug, Total | | |
| Mercury | <0.0435 | <0.000431 | <0.0000525 | | 10/17/2008 AJ | 0.0435 N | IOSH 6009 (Modified) | |
| | | | | | | | | |

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THE LEADER IN ENVIRONMENTAL TESTING 4625 East Cotton Center Blvd. Ste 189 Phoenix, AZ 85040 * (602) 437-3340 * Fax (602) 454-9303

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| TestAmerica Nashville 2960 Foster Creighton Drive | Work Order: PRK0301 | | Received: 11/06/08 Reported: 11/21/08 1 | | |
|--|-----------------------------|------------------------------|--|--|--|
| Nashville, TN 37204 | Project: Project Number: | N_ExxonMobil Exxon 3-1010 | / NRK0460 | | |

ANALYTICAL REPORT

| Analyte | | Result | | Qual | Date Analyzed Analyst | Rpt Method Limit |
|---|--------------------|-----------|------------|------------|--------------------------|------------------------------|
| Mercury by NIOSH 6009 (Mod | ified) | | | | | |
| Sample ID: PRK0301-01 (NR | (K0460-01 (SV-1)) | Tube | | Sample Air | Volume:101.19L | Sampled: 11/05/08 |
| | ug, Total | mg/m3 | ppm | | | ug, Total |
| Mercury | <0.0435 | <0.00043 | <0.0000524 | | 11/12/2008 AJ | 0.0435 NIOSH 6009 (Modified) |
| Sample ID: PRK0301-02 (NRK04 | 60-02 (Field Blank | 1)) Tube | | Sample A | ir Volume:0L | Sampled: 11/05/08 |
| | ug, Total | mg/m3 | ppm | | | ug, Total |
| Mercury | <0.0435 | - | P/14 | | 11/12/2008 AJ | 0.0435 NIOSH 6009 (Modified) |
| Sample ID: PRK0301-03 (NRK0460-03 (SV-9)) | | Tube | | Sample Air | Volume:100.51L | Sampled: 11/05/08 |
| | ug, Total | mg/m3 | ррт | | | ug, Total |
| Mercury | <0.0435 | <0.000433 | <0.0000528 | | 11/12/2008 AJ | 0.0435 NIOSH 6009 (Modified) |
| Sample ID: PRK0301-04 (NRK04 | 60-04 (Field Blank | 2)) Tube | | Sample A | ir Volume:0L | Sampled: 11/05/08 |
| | ug, Total | mg/m3 | ppm | | | ug, Total |
| Mercury | <0.0435 | ** | | | 11/12/2008 AJ | 0.0435 NIOSH 6009 (Modified) |

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