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

Subject: Transmittal of the Semi-Annual Volatile Organic Compound, Hydrogen, and Methane Data Summary Report

Dear Mr. Kieling:

The purpose of this letter is to provide you with the Semi-Annual Volatile Organic Compound, Hydrogen, and Methane Data Summary Report for Reporting Period January 1, 2013 through June 30, 2013 required by the Waste Isolation Pilot Plant Permit No. NM4890139088-TSDF, Permit Part 4, Permit Conditions 4.6.2.2 and 4.6.5.2.

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

If you have any questions regarding this data transmittal, please contact Ms. Susan E. McCauslin at (575) 234-7349.

Sincerely,

  
 Jose R. Franco, Manager  
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 Nuclear Waste Partnership LLC

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**SEMI-ANNUAL VOC, HYDROGEN, AND  
METHANE DATA SUMMARY REPORT  
FOR  
REPORTING PERIOD  
January 1, 2013 through June 30, 2013**

**United States Department of Energy**

**Waste Isolation Pilot Plant  
Carlsbad, New Mexico**

**WIPP Hazardous Waste Facility Permit  
New Mexico Environment Department  
Permit Number NM4890139088-TSDF**

**October 2013**



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Reporting Period January 1, 2013 through June 30, 2013  
DOE/WIPP-13-3509, Rev. 0**

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**LIST OF ABBREVIATIONS, ACRONYMS, AND UNITS**

CAS#	Chemical Abstracts Service registry number
CFR	Code of Federal Regulations
CH	contact-handled
COC	concentration of concern
DOE	U.S. Department of Energy
EDD	electronic data deliverable
HWDU	hazardous waste disposal unit (panel)
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
MDL	method detection limit
MRL	method reporting limit
N/A	not applicable
NMED	New Mexico Environment Department
Permit	Hazardous Waste Facility Permit NM4890139088-TSDF
ppbv	parts per billion by volume
ppmv	parts per million by volume
QA	quality assurance
QC	quality control
RH	remote-handled
RPD	relative percent difference
TIC	tentatively identified compound
TRU	transuranic
VOC	volatile organic compound
WIPP	Waste Isolation Pilot Plant

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## **1.0 INTRODUCTION**

This report is submitted by the U.S. Department of Energy (DOE) Carlsbad Field Office and Nuclear Waste Partnership LLC (the Permittees) in accordance with Permit Part 4, Permit conditions 4.6.2.2 and 4.6.5.2 of the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit NM4890139088-TSDF (Permit). This report documents the Volatile Organic Compound (VOC) Monitoring Program and Hydrogen and Methane Monitoring Program results for the 6-month period of January 1, 2013 through June 30, 2013.

### **1.1 Monitoring Programs**

The VOC Monitoring Program was originally designed to monitor transuranic (TRU) mixed waste-related VOC concentrations in ventilation exhaust air (Repository VOC Monitoring). Monitoring for VOCs from within disposal rooms of open/active panels (Disposal Room VOC Monitoring) was later incorporated, as well as monitoring of Room 1 within specific filled panels (Ongoing Disposal Room VOC Monitoring). Each program continues to the present time.

The Hydrogen and Methane Monitoring Program was designed to monitor hydrogen and methane concentrations in Panels 3 through 8 as specified in Permit Part 4.6.5 and Permit Attachment N1. This monitoring was implemented for Panel 3 in April 2008 and in May 2009 for Panel 4. Monitoring was not instituted in Panel 5 when it was filled in July 2011 because an explosion-isolation wall was constructed in the panel. Monitoring continues to the present time for Panels 3 and 4.

### **1.2 Reporting Limits and Qualifier Descriptions**

The following terms apply to this report:

**Method detection limit (MDL)** – The MDL is the limit at which concentrations are measured and reported with 99 percent confidence that the analyte concentration is greater than zero. For target VOCs, MDLs were within 0.02 to 0.08 parts per billion by volume (ppbv). Hydrogen and methane MDLs for this reporting period were within 15.71 to 17.29 parts per million by volume (ppmv).

**Method reporting limit (MRL)** – The MRL is the lowest concentration that can be reliably measured and is determined by the analytical laboratory. For this reporting period, the analytical laboratory determination for MRLs is the nominal concentration of the lowest standard used for calibration. For all target VOCs, the MRL is one ppbv. The MRL for hydrogen and methane is 50 ppmv. These values are the MRLs for samples not requiring dilutions. The analytical methods allow for adjusting the MRLs to compensate for dilutions (e.g., the MRL for carbon tetrachloride is corrected to 100 ppbv for a VOC sample diluted by a factor of 100, and the MRL for hydrogen is corrected to 100 ppmv for a sample diluted by a factor of two). The MRLs obtained by the laboratory met the requirements as specified in Permit Attachment N, table N-2, and shown in table 1.

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**Table 1 – VOC Monitoring Program – Target VOCs and Required MRLs**

<b>Target Compound</b>	<b>Required Repository MRL (ppbv)</b>	<b>Required Disposal Room MRL (ppbv)</b>
Carbon Tetrachloride	2	500
Chlorobenzene	2	500
Chloroform	2	500
1,1-Dichloroethylene	5	500
1,2-Dichloroethane	2	500
Methylene Chloride	5	500
1,1,2,2-Tetrachloroethane	2	500
Toluene	5	500
1,1,1-Trichloroethane	5	500

ppbv = parts per billion by volume

MRL = maximum method reporting limit for undiluted samples

Qualifiers (data flags) may be used for data and are reflected in reports. These qualifiers are described as follows.

**QUALIFIER DESCRIPTIONS**

- U** Indicates target analyte was analyzed for but not detected above MDL.
- J** Estimated value; the target analyte was detected at a concentration below the MRL but above the MDL.
- R** Sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample. This qualifier may also be used for data anomalies.
- Q** Results are useable, but were not associated with analyses that met all quality assurance/quality control (QA/QC) requirements for precision, accuracy, or completeness.
- NJ** Presumptive evidence of the presence of the compound at an estimated quantity. Only used for tentatively identified compounds (TICs).

**2.0 REPOSITORY VOC MONITORING**

Sampling for repository VOC monitoring is conducted twice per week at two ambient air sampling locations designated as repository VOC monitoring stations, in accordance with Permit Attachment N, section N-3. The stations are identified as Station VOC-A, sample inlet located in the E-300 drift downstream from the Underground Hazardous Waste Disposal Unit (Underground HWDU) designated as Panel 1, and Station VOC-B, sample inlet located upstream from the most recently activated Underground HWDU.

The location of Station VOC-A is not expected to change from the present location as waste disposal operations continue.

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Concentrations found at Station VOC-A represent both the VOCs in the mine air not attributable to disposed TRU mixed waste plus any releases of VOCs from the TRU mixed waste in the repository. As new Underground HWDUs are opened and closed, Station VOC-A will continue to reflect non-waste-emplacement-related VOCs plus TRU mixed waste emissions from the current open/active Underground HWDUs and closed/filled Underground HWDUs.

Detections of VOCs for Station VOC-B represent the concentrations in the ventilation air found in the mine before passing through the areas of the repository containing TRU mixed waste. The VOCs detected for this location are considered to be non-waste-emplacement-related concentrations. As TRU mixed waste is placed in new Underground HWDUs, the location of Station VOC-B is changed as needed to sample the ambient air upstream from Underground HWDUs that are receiving TRU mixed waste. For this reporting period, waste disposal activities took place in the HWDU designated as Panel 6. The location of Station VOC-B was in the inlet ventilation air of Panel 6 in S-2750, just west of W-170.

The measured concentrations of Permit-specified target analytes collected at Stations VOC-A and VOC-B are normalized to assess the concentration of VOCs attributable to the TRU mixed waste disposed of at the WIPP facility (i.e., Underground HWDU VOC emission concentration). Section 2.2 describes the normalization process and how the running annual averages of Underground HWDU VOC emission concentrations are calculated.

For repository VOC monitoring, the target compounds and their respective concentrations of concern (COCs), as specified in Permit Part 4, table 4.6.2.3, are shown in table 2. The Permittees are required to notify the Secretary of the New Mexico Environment Department (NMED), as specified in Permit Part 4, Permit condition 4.6.2.3, should emission concentrations between the two stations or the running annual average concentrations exceed the Permit-specified COC.

## **2.1 Repository VOC Monitoring Results**

The repository VOC monitoring results for this reporting period are discussed in section 2.3 and summarized in table 2. The individual monitoring results for original samples, emission concentrations, and comparisons to the COC for each sample set collected at Stations VOC-A and VOC-B are provided in attachment 1.

## **2.2 Normalization and Usage Rules for Repository VOC Monitoring Reporting**

Analytical results not qualified as "U" are normalized to the typical operating conditions, in accordance with Permit Attachment N, section N-3e(1). The normalized concentration of each target VOC detected at Station VOC-B is subtracted from the normalized concentration detected at Station VOC-A, and the difference is the Underground HWDU VOC emission concentration. The resulting concentration for each target analyte is compared to its COC listed in Permit Part 4, table 4.6.2.3.

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Results qualified as "U" indicate that the laboratory's quantitative results were not greater than the MDL and are assigned a value of zero for determination of emission concentrations.

Analytical results qualified as "J" indicate that the laboratory's quantitative results were at a concentration greater than the MDL but less than the laboratory's MRL. Results qualified as "J" are normalized but are considered to be estimated values and are assigned a value of zero for determination of emission concentrations.

When the normalized concentration at Station VOC-A is less than Station VOC-B, the emission concentration is reported as zero.

The running annual average concentration for each target VOC is determined, in accordance with Permit Attachment N section N-3e(1), by averaging the Underground HWDU VOC emission concentration for each target VOC for each sampling event with concentrations for the previous 12 months. The running annual average concentrations are compared to the COC listed in Permit Part 4, table 4.6.2.3, and shown in table 2.

### **2.3 Discussion of Repository VOC Monitoring Results**

For the reporting period, there were 52 sample sets (104 original samples from Stations VOC-A and VOC-B) analyzed for each of the nine target compounds. The emission concentration for each individual sample set was determined and compared to the COC for each of the nine target compounds and reported in attachment 1. The results for sample number 8202, collected at Station VOC-B on 5/15/2013, were assigned an "R" qualifier (i.e., rejected). Carbon tetrachloride and other target VOCs known to exist in TRU mixed waste were detected and do not represent typical background levels. Therefore, results of all target VOCs in these samples were conservatively assigned a value of zero (this sample set is shaded in attachment 1). Table 2 and attachment 1 show that none of the 52 individual sample sets showed an exceedance of a COC.

Table 2 also shows that during this reporting period, none of the target VOC running annual averages exceeded the COC. Remedial action, as described in Permit Part 4, Permit condition 4.6.2.4, was not required during this reporting period.

Three field duplicate samples were collected at each repository VOC monitoring station, for a total of six field duplicates. Normalized results are reported in attachment 6D and field precision for the VOC Monitoring Program is discussed in section 7.1.

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**Table 2 – Summary of Repository VOC Monitoring Results**

Target Compound	Running Annual Average Max. Value (ppbv)	Emission Concentration Max. Value (ppbv)	COC (ppbv)	Total Exceedances
Carbon Tetrachloride	272.01	825.49	960	0
Chlorobenzene	0	0	220	0
Chloroform	22.81	82.75	180	0
1,1-Dichloroethylene	0	0	100	0
1,2-Dichloroethane	0	0	45	0
Methylene Chloride	4.83	20.89	1,930	0
1,1,2,2-Tetrachloroethane	0	0	50	0
Toluene	0	0	190	0
1,1,1-Trichloroethane	41.57	111.8	590	0

ppbv = parts per billion by volume

COC = concentration of concern

### 3.0 DISPOSAL ROOM VOC MONITORING

Collection and analysis of VOC samples from each room containing waste in an active Underground HWDU was implemented on November 20, 2006, and continues to the present time. Sampling frequency is conducted in accordance with Permit Attachment N, section N-3d(2). For this reporting period, the frequency was once every two weeks for all sampling locations. Room-based limits and action levels, as specified in Permit Part 4, tables 4.4.1 and 4.6.3.2 respectively, are shown in table 3. Sample locations are determined in accordance with Permit Attachment N, section N-3a(2). Results from disposal room VOC monitoring samples are presented in section 3.1 and are compared to the action levels and room-based limits.

The number of disposal room VOC monitoring locations increases as waste emplacement proceeds from room to room. As waste is placed into a room, VOC monitoring in that room commences at the exhaust end of the room. After the room is filled, VOC monitoring begins at a second location in that room at the inlet side. When the next room receives waste, the process is repeated. All rooms within an Underground HWDU that receive waste are actively monitored until waste emplacement in the Underground HWDU is complete. At that point, VOC monitoring in that Underground HWDU will be reduced to Room 1 (i.e., ongoing disposal room VOC monitoring) unless an explosion-isolation wall is installed in the panel. Sample location data are identified by the source panel number, room number, and intake (I) or exhaust (E) function. For example, the Panel 6 Room 7 exhaust location is P6R7E.

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### 3.1 Disposal Room VOC Monitoring Results

During this reporting period, 136 original samples (162 total samples) were collected for disposal room VOC monitoring in Panel 6. Original sample results were compared to the levels as shown in table 3 to determine if any action levels or room-based limits were exceeded. Associated data for original samples are reported in attachment 2. The original sample results for Panel 6 are summarized in table 3. Results for field duplicate samples are reported in attachment 6D and field precision for the VOC Monitoring Program is discussed in section 7.1.

**Table 3 – Summary of Disposal Room VOC Monitoring Results**

Target Compound	Maximum Detected Value (ppmv)	Location of Maximum Detected Value	50% Action Level (ppmv)	95% Action Level (ppmv)	Room-based Limits (ppmv)	Total Exceedances
<b>Panel 6</b>						
Carbon Tetrachloride	2,166.2	P6R7E	4,813	9,145	9,625	0
Chlorobenzene	<MDL	N/A	6,500	12,350	13,000	0
Chloroform	125.18	P6R7E	4,965	9,433	9,930	0
1,1-Dichloroethylene	<1	P6R4E	2,745	5,215	5,490	0
1,2-Dichloroethane	<1	P6R3I	1,200	2,280	2,400	0
Methylene Chloride	15.75J	P6R7E	50,000	95,000	100,000	0
1,1,2,2-Tetrachloroethane	<1	P6R6I	1,480	2,812	2,960	0
Toluene	2.76J	P6R7E	5,500	10,450	11,000	0
1,1,1-Trichloroethane	466.19	P6R7I	16,850	32,015	33,700	0

ppmv = parts per million by volume

MDL = method detection limit

J = Estimated value, below method reporting limits (MRL), but above method detection limits (MDL)

N/A = not applicable

### 3.2 Discussion of Disposal Room VOC Monitoring Results

During this reporting period, only Panel 6 received TRU waste. The highest concentration for any compound in any sample was carbon tetrachloride at a maximum value of 2,166.2 ppmv (table 3). All maximum concentrations were below the 50 percent action level for each compound. All data were validated in accordance with Permit Attachment N, section N-5d.

Samples 7995 collected from P6R5E on 2/26/2013 and sample 8058 collected from P6R7I on 3/19/2013 were assigned an "R" qualifier (i.e., rejected). Dilution of the samples with ambient air is suspected based on other results at those locations. Sample 7996, a field duplicate of original sample 7995, had similar results and also assigned the "R" qualifier. These anomalies will count against completeness (section 7.1).

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### **3.3 Waste Disposal Activities**

Waste disposal activities occurred in the HWDU designated as Panel 6 during this reporting period. Waste disposal progress determines which room-based VOC monitoring locations are sampled. As soon as a room receives waste, it is subject to monitoring at one location (exhaust side). When waste disposal activities are complete in the disposal room, the exhaust side continues to be monitored and the inlet side is added to the sampling schedule. Room 3 of Panel 6 was the only room to be filled during this reporting period, occurring on June 21, 2013. On January 1, 2013, active contact-handled (CH) TRU mixed waste emplacement was occurring in Panel 6 Room 3, and active remote-handled (RH) TRU mixed waste emplacement was occurring in Panel 6 Room 2. At this stage, Panel 6 Rooms 7, 6, 5, and 4 each had two monitoring locations (exhaust and inlet), while Panel 6 Rooms 3 and 2 each had one monitoring location (exhaust). On June 30, 2013, active CH TRU mixed waste emplacement was occurring in Panel 6 Room 2, and active RH TRU mixed waste emplacement was occurring in Panel 6 Room 1. At this stage, Panel 6 Rooms 7, 6, 5, 4, and 3 each had two monitoring locations (exhaust and inlet), while Panel 6 Rooms 2 and 1 each had one monitoring location (exhaust).

### **4.0 ONGOING DISPOSAL ROOM VOC MONITORING**

After completion of waste emplacement, monitoring for VOCs in Room 1 of Panels 3 through 8 will occur until final panel closure, unless an explosion-isolation wall is installed in the panel per Permit Attachment N, section N-3a(3). This ongoing disposal room VOC monitoring was conducted in Panels 3 and 4 during this reporting period. Panel 5 is a filled panel that does not require monitoring since an explosion-isolation wall is installed, Panel 6 is the current active panel, Panel 7 has not received waste, and Panel 8 is not yet available for waste disposal. Monitoring was conducted at the exhaust side of Room 1 in Panels 3 and 4 at a frequency of once per month for a total of six original samples for each panel. A field duplicate sample was collected at the same frequency for each panel. Sample location data are identified by the source panel number, room number, and intake (I) or exhaust (E) side. For example, the Panel 3 Room 1 exhaust location is P3R1E.

The original sample results for Panels 3 and 4 are summarized in table 4. Sample results were well below action levels and remedial action was not required as described in Permit Part 4, Permit condition 4.6.3.3. The associated data for original samples are reported in attachment 3. Results for field duplicate samples are reported in attachment 6D and field precision for the VOC Monitoring Program is discussed in section 7.1.

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**Table 4 – Summary of Ongoing Disposal Room VOC Monitoring Results**

Target Compound	Maximum Detected Value (ppmv)	50% Action Level (ppmv)	95% Action Level (ppmv)	Room-based Limits (ppmv)	Total Exceedances
<b>Panel 3</b>					
Carbon Tetrachloride	7.54	4,813	9,145	9,625	0
Chlorobenzene	<MDL	6,500	12,350	13,000	0
Chloroform	<1	4,965	9,433	9,930	0
1,1-Dichloroethylene	<1	2,745	5,215	5,490	0
1,2-Dichloroethane	<1	1,200	2,280	2,400	0
Methylene Chloride	1.32	50,000	95,000	100,000	0
1,1,2,2-Tetrachloroethane	<1	1,480	2,812	2,960	0
Toluene	<1	5,500	10,450	11,000	0
1,1,1-Trichloroethane	5.25	16,850	32,015	33,700	0
<b>Panel 4</b>					
Carbon Tetrachloride	856.43	4,813	9,145	9,625	0
Chlorobenzene	<MDL	6,500	12,350	13,000	0
Chloroform	55.29	4,965	9,433	9,930	0
1,1-Dichloroethylene	<MDL	2,745	5,215	5,490	0
1,2-Dichloroethane	<MDL	1,200	2,280	2,400	0
Methylene Chloride	24.14	50,000	95,000	100,000	0
1,1,2,2-Tetrachloroethane	<MDL	1,480	2,812	2,960	0
Toluene	1.97J	5,500	10,450	11,000	0
1,1,1-Trichloroethane	144.34	16,850	32,015	33,700	0

ppmv = parts per million by volume

MDL = method detection limit

J = Estimated value, below method reporting limits (MRL), but above method detection limits (MDL)

**5.0 NON-TARGETS**

The Permittees are required to evaluate non-target VOCs (including additional requested analytes and/or TICs) in VOC Monitoring Program compliance samples to determine if the non-targets qualify for addition to the target analyte list(s) as specified by Permit Attachment N, section N-3b. Additional requested analytes are comprised of TICs that previously met the criteria to be added to the target analyte list that have not been assigned a COC or have been added for quantitation for other purposes. The TICs and additional requested analytes that meet the following criteria will be added to or maintained on the target analyte list(s) for repository, disposal room, and ongoing disposal room VOC monitoring, unless the Permittees can justify the exclusion from the target analyte list(s):

- 1) Listed in Appendix VIII of 40 *Code of Federal Regulations* (CFR) Part 261 (incorporated by reference in 20.4.1.200 of the New Mexico Administrative Code); and
- 2) Detected in 10 percent or more of the VOC monitoring samples (exclusive of those collected from Station VOC-B).

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For the 12-month timeframe from July 1, 2012 to June 30, 2013, non-targets were evaluated in original VOC samples (excluding VOC-B) to determine if they were detected in a minimum of 10 percent of the samples and listed in Appendix VIII of 40 CFR Part 261. After evaluation of non-targets in 170 original VOC samples for the previous reporting period (see Semi-annual VOC, Hydrogen, and Methane Data Summary Report for Reporting Period July 1, 2012 through December 31, 2012) and 198 samples in this report for a total of 368 samples for the 12-month period, it was determined that 1,1,2-trichloro-1,2,2-trifluoroethane, tetrachloroethylene, trichloroethylene, and trichloromonofluoromethane meet the criteria for addition to the target analyte list(s). Excluding 1,1,2-trichloro-1,2,2-trifluoroethane, these compounds were previously added to the laboratory's quantitation list as additional requested analytes.

A facility emission rate (source term) for VOCs present in TRU mixed waste is modeled from measured concentrations in the waste. The relative contribution of each VOC to overall risk is calculated from the source term using a concentration/toxicity screening procedure. The revised risk criteria indicate 1,1,2-trichloro-1,2,2-trifluoroethane and tetrachloroethylene contribute less than one percent of the risk and are detected in HWDU emissions at low concentrations; therefore, these two compounds are being excluded from the laboratory's quantitation list. Trichloromonofluoromethane was not on the list of VOCs that were analyzed in waste headspace volumes; therefore a concentration/toxicity screen has not been performed for this compound. The compound is detected in HWDU emissions at low concentrations. In addition, the U.S. Environmental Protection Agency Integrated Risk Information System database does not indicate any specific risk factor for cancer and non-cancer effects; therefore, trichloromonofluoromethane is being excluded from the laboratory's quantitation list. Trichloroethylene is being retained on the laboratory's quantitation list as an additional requested analyte since it is a qualifying compound and there is no justification for exclusion at this time.

To gain a better understanding of potential concentrations and associated risk, trichloroethylene, tetrachloroethylene, and benzene were included on the laboratory quantitation list as additional requested analytes starting with samples collected on 1/25/2011. Five other compounds (methyl chloride (chloromethane), trans-1,2-dichloroethylene, 1,2,4-trimethylbenzene, p,m-xylene, and trichloromonofluoromethane) were also included in the laboratory quantitation list as additional requested analytes. These five compounds were added beginning with samples collected on 5/3/2011. None of the added analytes have an associated COC.

Starting with the samples collected on 9/4/2012, the list of additional requested analytes was reduced to two VOCs, trichloroethylene and 1,2,4-trimethylbenzene. Trichloroethylene is retained as an additional requested analyte since it is a qualifying compound and there is no justification for exclusion. For assessment purposes, 1,2,4-trimethylbenzene was also retained.

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The results for additional requested analytes in original samples are reported in attachment 4. The two retained on the list are summarized in table 5. The results for TICs in original samples are also listed in attachment 4. The additional requested analytes and TICs reported in attachment 4 are not normalized.

**Table 5 – Summary of Additional Requested Analytes**

Additional Requested Analytes	CAS #	Maximum Station VOC-A Detected Value (ppbv)	Maximum Disposal Room Detected Value (ppbv)*	Maximum Disposal Room Detection Location
Trichloroethylene	79-01-6	181.31	1,072,920	P6R7I
1,2,4-Trimethylbenzene	95-63-6	0.42 J	590.49 J	P6R6I

CAS # = Chemical Abstracts Service registry number

ppbv = parts per billion by volume

J = Estimated value, below method reporting limits (MRL), but above method detection limits (MDL)

\* Includes ongoing disposal room VOC monitoring samples

## 6.0 HYDROGEN AND METHANE MONITORING

Monitoring of hydrogen and methane within filled Panels 3 through 8 is required in accordance with Permit Part 4, Permit condition 4.6.5.1 and Permit Attachment N1. A filled panel is an Underground HWDU that will no longer receive waste for emplacement. Monitoring is required until final panel closure, unless an explosion-isolation wall is installed. Sampling frequency is monthly unless action level 1 (shown in table 6) is exceeded, in which case the sampling frequency would increase to weekly.

Hydrogen and methane monitoring required by Permit Attachment N1 was implemented in April 2008. Two sample head locations for each monitored room of a panel correspond to intake and exhaust locations. Bulkheads separate Room 1 from the main access drift and the bulkhead areas also contain sampling points on both sides (waste [W] and accessible [A]). Sample data are identified by the source panel number, room number or "B" for bulkhead, and intake (I) or exhaust (E) function. For example, the Panel 3 Room 7 exhaust location is P3R7E. Similarly, the Panel 3 Exhaust Bulkhead Waste side is coded P3EBW. No sample lines were determined to be unusable during this reporting period.

The sample locations previously determined to have unusable sampling lines and the determination dates are as follows:

- P3R7I and P3R1I on July 14, 2008
- P3R7E on August 30, 2010
- P3R6I on September 22, 2010
- P4R4E on April 7, 2011
- P4R6E on December 13, 2011
- P4R5E on August 14, 2012
- P3R6E on October 10, 2012

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The P3IBW sampling line was determined to be unusable on April 21, 2010, and was replaced; sampling resumed on May 25, 2010. Panel 5 is a filled panel with an explosion-isolation wall installed and does not require monitoring. Panel 6 is the current active panel, Panel 7 has not yet received waste, and Panel 8 is not yet available for TRU waste disposal.

A total of 78 original samples (84 total samples) were collected in Panel 3, and 90 original samples (96 total samples) were collected in Panel 4 from January 1, 2013 through June 30, 2013. Samples were collected using sub-atmospheric sampling methods; thus, a pressure dilution was performed by the analytical lab prior to analysis. The maximum detected value for an original sample was 400.52 ppmv for hydrogen. This detection is considerably lower than the action levels (10 percent of action level 1 and five percent of action level 2). None of the samples yielded methane detections and are therefore flagged with a "U" qualifier. Associated data for original samples are reported in attachment 5. Original sample results are summarized in table 6. Field duplicate sample results are reported in attachment 7 and field precision for the Hydrogen and Methane Monitoring Program is discussed in section 7.2.

**Table 6 – Summary of Hydrogen and Methane Monitoring Results**

Target Compound	Maximum Detected Value (ppmv)	Location of Maximum Detected Value	Action Level 1 (ppmv)	Action Level 2 (ppmv)	Total Exceedances
<b>Panel 3</b>					
Hydrogen	51.84 J	P3R2E	4,000	8,000	0
Methane	< MDL	N/A	5,000	10,000	0
<b>Panel 4</b>					
Hydrogen	400.52	P4R4I	4,000	8,000	0
Methane	< MDL	N/A	5,000	10,000	0

ppmv = parts per million by volume

MDL = method detection limit

J = Estimated value, below method reporting limits (MRL), but above method detection limits (MDL)

N/A = not applicable

## 7.0 RESULTS OF PROGRAM OBJECTIVES

The electronic data deliverables (EDDs) submitted by the analytical laboratory are required to be reviewed within five calendar days of receipt. For samples collected during this reporting period, all EDDs were reviewed within five calendar days.

The data package validation is required to be completed within 14 calendar days of receipt for packages that do not include data that exceed COC or action levels, and within five calendar days of receipt for packages that do contain data that exceed COC or action levels. During this reporting period, all data were validated within the required time period.

A comprehensive QA/QC program is an integral part of the VOC and hydrogen and methane monitoring effort. A number of QA/QC analyses are performed, including laboratory control samples (LCS), laboratory method blanks, field duplicates, and

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laboratory duplicate analyses of samples and LCS (i.e., LCS duplicate [LCSD]). The laboratory QA/QC analyses indicate that the laboratory was performing within specifications and was capable of detecting and quantifying the target analytes when they were present. The analytical laboratory used for analyses of compliance monitoring samples during this reporting period performed analyses under an established QA/QC program. Results of QA/QC analyses and completeness for VOCs and hydrogen and methane are discussed in sections 7.1 and 7.2, respectively.

### **7.1 VOC QA/QC Analyses and Completeness**

The QA/QC analyses and completeness results indicate that the VOC data collected during this reporting period met the program objectives and the data are accurate and defensible. The following is a discussion of the results.

Attachment 6A (VOCs – Precision of Laboratory Sample Duplicates) shows that during the reporting period, laboratory sample duplicates met the technical acceptance criterion ( $\leq 25$  relative percent difference [RPD]) for precision, which is only applicable if one or both values are not flagged "U" or "J."

Attachment 6B (VOCs – Precision/Accuracy of Laboratory Control Samples) shows that during the reporting period, 100 percent of LCS/LCSD results met the technical acceptance criteria for precision ( $\leq 25$  RPD) and accuracy (60 to 140 percent recovery). LCS/LCSD is synonymous with blank spike/blank spike duplicate in the Permit.

Attachment 6C (VOCs – Laboratory Method Blanks) shows that target compound concentrations in each method blank met the contract-specified blank technical acceptance criterion (i.e., all target analytes  $< 0.5$  ppbv).

Attachment 6D (VOCs – Field Duplicate Precision) shows the results of field duplicates collected during this reporting period. Six field duplicates were collected at repository VOC monitoring locations, 26 at disposal room VOC monitoring locations, and 12 while conducting the ongoing disposal room VOC monitoring. The field duplicates met the technical acceptance criterion ( $\leq 35$  RPD) with the exception of one disposal room VOC monitoring field duplicate sample. The sample set that contained data that did not meet criterion is shaded in attachment 6D. A "Q" flag appears next to the sample ID for the VOCs that did not meet the criterion. All other field duplicates met the RPD criteria of  $\leq 35$ , which is only applicable if one or both values are not flagged "U" or "J." The required completeness of valid data ( $\geq 95$  percent) was maintained; therefore, further action was not required.

Completeness is defined as the percentage of the ratio of the number of valid sample results received (i.e., those that meet data quality objectives) versus the total number of samples required to be collected. Completeness may be affected by, for example, sample loss or destruction during shipping, laboratory sample handling errors, inability to collect the required samples, or rejection of analytical data during data validation. Field duplicates, with a prescribed frequency of at least 5 percent, are included in the total. The QA objective (i.e., goal) for the program is 95 percent completeness or greater. During this reporting period, 110 repository VOC monitoring samples (includes

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six field duplicates), 162 disposal room VOC monitoring samples (includes 26 field duplicates), and 24 ongoing disposal room VOC monitoring samples (includes 12 field duplicates) were collected for a total of 296 samples. One field duplicate did not meet the technical acceptance criteria. Three samples were rejected (see details in section 3.2). The overall completeness for the reporting period was greater than 98 percent.

## **7.2 Hydrogen and Methane QA/QC Analyses and Completeness**

The QA/QC analyses and completeness results indicate that the hydrogen and methane data collected during this reporting period met the program objectives and the data are accurate and defensible. The following is a discussion of the results.

Attachment 7 shows that during the reporting period:

- 100 percent of the LCS/LCSD results met the technical acceptance criteria for precision ( $\leq 25$  RPD) and accuracy (70 to 130 percent recovery).
- All results for both hydrogen and methane met the blank technical acceptance criterion (i.e.,  $\leq$ MDL).
- 100 percent of the laboratory sample duplicates met the technical acceptance criterion ( $\leq 25$  RPD) for precision.
- All 12 field duplicates met the RPD criteria of  $\leq 35$ , which is only applicable if one or both values are not flagged "U" or "J."

Completeness is defined as the percentage of the ratio of the number of valid sample results received (i.e., those which meet data quality objectives) versus the total number of samples required to be collected. Completeness may be affected by, for example, sample loss or destruction during shipping, laboratory sample handling errors, inability to collect the required samples, or rejection of analytical data during data validation. Field duplicates, with a prescribed frequency of at least 5 percent, are included in the total. The QA objective (i.e., goal) for the program is a completeness of 95 percent or greater. During this reporting period, a total of 180 samples (includes 12 field duplicates) were collected for hydrogen and methane analysis. The laboratory provided valid results for all the samples that were submitted. The completeness for the reporting period was 100 percent.

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**8.0 REPORTING OF OTHER NONCOMPLIANCE**

Permit Part 1, Permit condition 1.7.14 addresses the reporting of other instances of noncompliance not otherwise required to be reported pursuant to Permit Part 1, Permit conditions 1.7.10 through 1.7.13. Permit condition 1.7.14 requires that this information be reported to the NMED Secretary annually in October with the submittal of monitoring reports. Beginning with the Semi-annual VOC Data Summary Report of October 2008, other noncompliance information has been submitted with semi-annual reports due in October. These semi-annual reports will continue to be the means for reporting other noncompliance.

On March 18, 2013, the Permittees found that the transmittal letter for the Waste Minimization Report required by Permit Part 2, Section 2.4 was posted on the Information Repository, but the accompanying report had not been posted as required by Permit Part 1, Section 1.14.2.4. This document was completed as required by Permit Part 2, Section 2.4 and transmitted to the NMED on November 19, 2012, via letter number CBFO:OESH:SEM:ANC:12-0817:UFC 5487.00. However, only the transmittal letter for this document to the NMED was posted to the Information Repository. This was corrected immediately.

To prevent a recurrence, the Permittees compiled the submittal requirements into a table and provided it to affected personnel as a training aid.

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## Attachment 1 – Comparison of the Underground HWDU VOC Emission Concentration and COC – Repository VOC Monitoring

Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
1/2/2013	7845	1/10/2013	9	7844	1/10/2013	1	1,1,1-Trichloroethane	66.73*	U	66.73	590
1/2/2013	7845	1/10/2013	9	7844	1/10/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
1/2/2013	7845	1/10/2013	9	7844	1/10/2013	1	1,1-Dichloroethylene	U	U	0	100
1/2/2013	7845	1/10/2013	9	7844	1/10/2013	1	1,2-Dichloroethane	U	U	0	45
1/2/2013	7845	1/10/2013	9	7844	1/10/2013	1	Carbon Tetrachloride	509.50*	0.99* J	509.5	960
1/2/2013	7845	1/10/2013	9	7844	1/10/2013	1	Chlorobenzene	U	U	0	220
1/2/2013	7845	1/10/2013	9	7844	1/10/2013	1	Chloroform	39.21*	0.10* J	39.21	180
1/2/2013	7845	1/10/2013	9	7844	1/10/2013	1	Methylene Chloride	10.40* J	0.13* J	0	1930
1/2/2013	7845	1/10/2013	9	7844	1/10/2013	1	Toluene	0.75* J	0.36* J	0	190
1/3/2013	7847	1/10/2013	3	7846	1/10/2013	1	1,1,1-Trichloroethane	27.26*	U	27.26	590
1/3/2013	7847	1/10/2013	3	7846	1/10/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
1/3/2013	7847	1/10/2013	3	7846	1/10/2013	1	1,1-Dichloroethylene	U	U	0	100
1/3/2013	7847	1/10/2013	3	7846	1/10/2013	1	1,2-Dichloroethane	U	U	0	45
1/3/2013	7847	1/10/2013	3	7846	1/10/2013	1	Carbon Tetrachloride	156.61*	0.27* J	156.61	960
1/3/2013	7847	1/10/2013	3	7846	1/10/2013	1	Chlorobenzene	U	U	0	220
1/3/2013	7847	1/10/2013	3	7846	1/10/2013	1	Chloroform	10.10*	U	10.1	180
1/3/2013	7847	1/10/2013	3	7846	1/10/2013	1	Methylene Chloride	3.88*	0.12* J	3.88	1930
1/3/2013	7847	1/10/2013	3	7846	1/10/2013	1	Toluene	0.34* J	0.13* J	0	190
1/8/2013	7853	1/17/2013	4	7854	1/17/2013	1	1,1,1-Trichloroethane	38.24*	U	38.24	590
1/8/2013	7853	1/17/2013	4	7854	1/17/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
1/8/2013	7853	1/17/2013	4	7854	1/17/2013	1	1,1-Dichloroethylene	0.38* J	U	0	100
1/8/2013	7853	1/17/2013	4	7854	1/17/2013	1	1,2-Dichloroethane	U	U	0	45
1/8/2013	7853	1/17/2013	4	7854	1/17/2013	1	Carbon Tetrachloride	264.11*	0.13* J	264.11	960
1/8/2013	7853	1/17/2013	4	7854	1/17/2013	1	Chlorobenzene	U	U	0	220
1/8/2013	7853	1/17/2013	4	7854	1/17/2013	1	Chloroform	23.76*	U	23.76	180
1/8/2013	7853	1/17/2013	4	7854	1/17/2013	1	Methylene Chloride	6.51*	0.13* J	6.51	1930
1/8/2013	7853	1/17/2013	4	7854	1/17/2013	1	Toluene	0.53* J	0.23* J	0	190
1/9/2013	7855	1/17/2013	4	7856	1/17/2013	1	1,1,1-Trichloroethane	30.65*	U	30.65	590
1/9/2013	7855	1/17/2013	4	7856	1/17/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
1/9/2013	7855	1/17/2013	4	7856	1/17/2013	1	1,1-Dichloroethylene	U	U	0	100
1/9/2013	7855	1/17/2013	4	7856	1/17/2013	1	1,2-Dichloroethane	U	U	0	45
1/9/2013	7855	1/17/2013	4	7856	1/17/2013	1	Carbon Tetrachloride	220.47*	0.13* J	220.47	960
1/9/2013	7855	1/17/2013	4	7856	1/17/2013	1	Chlorobenzene	U	U	0	220
1/9/2013	7855	1/17/2013	4	7856	1/17/2013	1	Chloroform	22.30*	U	22.3	180
1/9/2013	7855	1/17/2013	4	7856	1/17/2013	1	Methylene Chloride	5.64*	0.10* J	5.64	1930
1/9/2013	7855	1/17/2013	4	7856	1/17/2013	1	Toluene	0.48* J	0.21* J	0	190
1/15/2013	7879	1/23/2013	4	7878	1/23/2013	1	1,1,1-Trichloroethane	28.57*	U	28.57	590

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Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
1/15/2013	7879	1/23/2013	4	7878	1/23/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
1/15/2013	7879	1/23/2013	4	7878	1/23/2013	1	1,1-Dichloroethylene	U	U	0	100
1/15/2013	7879	1/23/2013	4	7878	1/23/2013	1	1,2-Dichloroethane	U	U	0	45
1/15/2013	7879	1/23/2013	4	7878	1/23/2013	1	Carbon Tetrachloride	202.26*	0.29* J	202.26	960
1/15/2013	7879	1/23/2013	4	7878	1/23/2013	1	Chlorobenzene	U	U	0	220
1/15/2013	7879	1/23/2013	4	7878	1/23/2013	1	Chloroform	15.37*	U	15.37	180
1/15/2013	7879	1/23/2013	4	7878	1/23/2013	1	Methylene Chloride	4.83*	0.11* J	4.83	1930
1/15/2013	7879	1/23/2013	4	7878	1/23/2013	1	Toluene	0.34* J	0.16* J	0	190
1/16/2013	7881	1/23/2013	1.5	7880	1/23/2013	1	1,1,1-Trichloroethane	13.57*	U	13.57	590
1/16/2013	7881	1/23/2013	1.5	7880	1/23/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
1/16/2013	7881	1/23/2013	1.5	7880	1/23/2013	1	1,1-Dichloroethylene	U	U	0	100
1/16/2013	7881	1/23/2013	1.5	7880	1/23/2013	1	1,2-Dichloroethane	U	U	0	45
1/16/2013	7881	1/23/2013	1.5	7880	1/23/2013	1	Carbon Tetrachloride	83.94*	0.10* J	83.94	960
1/16/2013	7881	1/23/2013	1.5	7880	1/23/2013	1	Chlorobenzene	U	U	0	220
1/16/2013	7881	1/23/2013	1.5	7880	1/23/2013	1	Chloroform	6.11*	U	6.11	180
1/16/2013	7881	1/23/2013	1.5	7880	1/23/2013	1	Methylene Chloride	2.13*	0.11* J	2.13	1930
1/16/2013	7881	1/23/2013	1.5	7880	1/23/2013	1	Toluene	0.24* J	0.18* J	0	190
1/22/2013	7903	2/1/2013	9	7904	2/1/2013	1	1,1,1-Trichloroethane	70.18*	U	70.18	590
1/22/2013	7903	2/1/2013	9	7904	2/1/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
1/22/2013	7903	2/1/2013	9	7904	2/1/2013	1	1,1-Dichloroethylene	U	U	0	100
1/22/2013	7903	2/1/2013	9	7904	2/1/2013	1	1,2-Dichloroethane	U	U	0	45
1/22/2013	7903	2/1/2013	9	7904	2/1/2013	1	Carbon Tetrachloride	469.17*	0.23* J	469.17	960
1/22/2013	7903	2/1/2013	9	7904	2/1/2013	1	Chlorobenzene	U	U	0	220
1/22/2013	7903	2/1/2013	9	7904	2/1/2013	1	Chloroform	38.72*	U	38.72	180
1/22/2013	7903	2/1/2013	9	7904	2/1/2013	1	Methylene Chloride	13.28*	0.15* J	13.28	1930
1/22/2013	7903	2/1/2013	9	7904	2/1/2013	1	Toluene	1.76* J	1.06* J	0	190
1/23/2013	7905	2/1/2013	9	7906	2/1/2013	1	1,1,1-Trichloroethane	74.73*	0.06* J	74.73	590
1/23/2013	7905	2/1/2013	9	7906	2/1/2013	1	1,1,2,2-Tetrachloroethane	1.01* J	U	0	50
1/23/2013	7905	2/1/2013	9	7906	2/1/2013	1	1,1-Dichloroethylene	U	U	0	100
1/23/2013	7905	2/1/2013	9	7906	2/1/2013	1	1,2-Dichloroethane	U	U	0	45
1/23/2013	7905	2/1/2013	9	7906	2/1/2013	1	Carbon Tetrachloride	525.24*	0.48* J	525.24	960
1/23/2013	7905	2/1/2013	9	7906	2/1/2013	1	Chlorobenzene	U	U	0	220
1/23/2013	7905	2/1/2013	9	7906	2/1/2013	1	Chloroform	46.21*	U	46.21	180
1/23/2013	7905	2/1/2013	9	7906	2/1/2013	1	Methylene Chloride	13.55*	0.13* J	13.55	1930
1/23/2013	7905	2/1/2013	9	7906	2/1/2013	1	Toluene	1.92* J	1.02* J	0	190
1/29/2013	7919	2/8/2013	6	7918	2/8/2013	1	1,1,1-Trichloroethane	63.81*	U	63.81	590
1/29/2013	7919	2/8/2013	6	7918	2/8/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
1/29/2013	7919	2/8/2013	6	7918	2/8/2013	1	1,1-Dichloroethylene	U	U	0	100

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Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
1/29/2013	7919	2/8/2013	6	7918	2/8/2013	1	1,2-Dichloroethane	U	U	0	45
1/29/2013	7919	2/8/2013	6	7918	2/8/2013	1	Carbon Tetrachloride	396.62*	0.14* J	396.62	960
1/29/2013	7919	2/8/2013	6	7918	2/8/2013	1	Chlorobenzene	U	U	0	220
1/29/2013	7919	2/8/2013	6	7918	2/8/2013	1	Chloroform	32.40*	U	32.4	180
1/29/2013	7919	2/8/2013	6	7918	2/8/2013	1	Methylene Chloride	11.42*	0.16* J	11.42	1930
1/29/2013	7919	2/8/2013	6	7918	2/8/2013	1	Toluene	1.15* J	0.28* J	0	190
1/30/2013	7921	2/8/2013	6	7920	2/8/2013	1	1,1,1-Trichloroethane	49.93*	U	49.93	590
1/30/2013	7921	2/8/2013	6	7920	2/8/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
1/30/2013	7921	2/8/2013	6	7920	2/8/2013	1	1,1-Dichloroethylene	U	U	0	100
1/30/2013	7921	2/8/2013	6	7920	2/8/2013	1	1,2-Dichloroethane	U	U	0	45
1/30/2013	7921	2/8/2013	6	7920	2/8/2013	1	Carbon Tetrachloride	319.46*	0.12* J	319.46	960
1/30/2013	7921	2/8/2013	6	7920	2/8/2013	1	Chlorobenzene	U	U	0	220
1/30/2013	7921	2/8/2013	6	7920	2/8/2013	1	Chloroform	24.61*	U	24.61	180
1/30/2013	7921	2/8/2013	6	7920	2/8/2013	1	Methylene Chloride	8.61*	0.16* J	8.61	1930
1/30/2013	7921	2/8/2013	6	7920	2/8/2013	1	Toluene	1.08* J	0.32* J	0	190
2/5/2013	7941	2/15/2013	6	7942	2/15/2013	1	1,1,1-Trichloroethane	57.64*	U	57.64	590
2/5/2013	7941	2/15/2013	6	7942	2/15/2013	1	1,1,2,2-Tetrachloroethane	0.71* J	0.05* J	0	50
2/5/2013	7941	2/15/2013	6	7942	2/15/2013	1	1,1-Dichloroethylene	U	U	0	100
2/5/2013	7941	2/15/2013	6	7942	2/15/2013	1	1,2-Dichloroethane	U	U	0	45
2/5/2013	7941	2/15/2013	6	7942	2/15/2013	1	Carbon Tetrachloride	338.15*	0.15* J	338.15	960
2/5/2013	7941	2/15/2013	6	7942	2/15/2013	1	Chlorobenzene	U	U	0	220
2/5/2013	7941	2/15/2013	6	7942	2/15/2013	1	Chloroform	25.01*	U	25.01	180
2/5/2013	7941	2/15/2013	6	7942	2/15/2013	1	Methylene Chloride	9.99*	0.16* J	9.99	1930
2/5/2013	7941	2/15/2013	6	7942	2/15/2013	1	Toluene	1.36* J	0.70* J	0	190
2/6/2013	7945	2/15/2013	9	7946	2/15/2013	1	1,1,1-Trichloroethane	70.61*	U	70.61	590
2/6/2013	7945	2/15/2013	9	7946	2/15/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
2/6/2013	7945	2/15/2013	9	7946	2/15/2013	1	1,1-Dichloroethylene	U	U	0	100
2/6/2013	7945	2/15/2013	9	7946	2/15/2013	1	1,2-Dichloroethane	U	U	0	45
2/6/2013	7945	2/15/2013	9	7946	2/15/2013	1	Carbon Tetrachloride	470.69*	0.23* J	470.69	960
2/6/2013	7945	2/15/2013	9	7946	2/15/2013	1	Chlorobenzene	U	U	0	220
2/6/2013	7945	2/15/2013	9	7946	2/15/2013	1	Chloroform	38.99*	U	38.99	180
2/6/2013	7945	2/15/2013	9	7946	2/15/2013	1	Methylene Chloride	12.44* J	0.16* J	0	1930
2/6/2013	7945	2/15/2013	9	7946	2/15/2013	1	Toluene	1.52* J	0.64* J	0	190
2/12/2013	7971	2/20/2013	2	7970	2/20/2013	1	1,1,1-Trichloroethane	22.55*	U	22.55	590
2/12/2013	7971	2/20/2013	2	7970	2/20/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
2/12/2013	7971	2/20/2013	2	7970	2/20/2013	1	1,1-Dichloroethylene	U	U	0	100
2/12/2013	7971	2/20/2013	2	7970	2/20/2013	1	1,2-Dichloroethane	U	U	0	45
2/12/2013	7971	2/20/2013	2	7970	2/20/2013	1	Carbon Tetrachloride	101.66*	0.15* J	101.66	960

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Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
2/12/2013	7971	2/20/2013	2	7970	2/20/2013	1	Chlorobenzene	U	U	0	220
2/12/2013	7971	2/20/2013	2	7970	2/20/2013	1	Chloroform	8.34*	U	8.34	180
2/12/2013	7971	2/20/2013	2	7970	2/20/2013	1	Methylene Chloride	3.00*	0.15* J	3	1930
2/12/2013	7971	2/20/2013	2	7970	2/20/2013	1	Toluene	0.65* J	0.34* J	0	190
2/13/2013	7973	2/20/2013	2	7972	2/20/2013	1	1,1,1-Trichloroethane	19.65*	U	19.65	590
2/13/2013	7973	2/20/2013	2	7972	2/20/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
2/13/2013	7973	2/20/2013	2	7972	2/20/2013	1	1,1-Dichloroethylene	0.20* J	U	0	100
2/13/2013	7973	2/20/2013	2	7972	2/20/2013	1	1,2-Dichloroethane	U	U	0	45
2/13/2013	7973	2/20/2013	2	7972	2/20/2013	1	Carbon Tetrachloride	115.38*	0.31* J	115.38	960
2/13/2013	7973	2/20/2013	2	7972	2/20/2013	1	Chlorobenzene	U	U	0	220
2/13/2013	7973	2/20/2013	2	7972	2/20/2013	1	Chloroform	9.75*	U	9.75	180
2/13/2013	7973	2/20/2013	2	7972	2/20/2013	1	Methylene Chloride	3.02*	0.14* J	3.02	1930
2/13/2013	7973	2/20/2013	2	7972	2/20/2013	1	Toluene	4.37*	12.64*	0	190
2/19/2013	7981	2/28/2013	6	7980	2/28/2013	1	1,1,1-Trichloroethane	42.44*	U	42.44	590
2/19/2013	7981	2/28/2013	6	7980	2/28/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
2/19/2013	7981	2/28/2013	6	7980	2/28/2013	1	1,1-Dichloroethylene	0.53* J	U	0	100
2/19/2013	7981	2/28/2013	6	7980	2/28/2013	1	1,2-Dichloroethane	U	U	0	45
2/19/2013	7981	2/28/2013	6	7980	2/28/2013	1	Carbon Tetrachloride	298.99*	0.17* J	298.99	960
2/19/2013	7981	2/28/2013	6	7980	2/28/2013	1	Chlorobenzene	U	U	0	220
2/19/2013	7981	2/28/2013	6	7980	2/28/2013	1	Chloroform	24.67*	U	24.67	180
2/19/2013	7981	2/28/2013	6	7980	2/28/2013	1	Methylene Chloride	6.10* J	0.12* J	0	1930
2/19/2013	7981	2/28/2013	6	7980	2/28/2013	1	Toluene	0.60* J	0.89* J	0	190
2/20/2013	7983	2/28/2013	9	7982	2/28/2013	1	1,1,1-Trichloroethane	83.53*	U	83.53	590
2/20/2013	7983	2/28/2013	9	7982	2/28/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
2/20/2013	7983	2/28/2013	9	7982	2/28/2013	1	1,1-Dichloroethylene	5.43* J	U	0	100
2/20/2013	7983	2/28/2013	9	7982	2/28/2013	1	1,2-Dichloroethane	U	U	0	45
2/20/2013	7983	2/28/2013	9	7982	2/28/2013	1	Carbon Tetrachloride	646.19*	0.33* J	646.19	960
2/20/2013	7983	2/28/2013	9	7982	2/28/2013	1	Chlorobenzene	U	U	0	220
2/20/2013	7983	2/28/2013	9	7982	2/28/2013	1	Chloroform	57.24*	U	57.24	180
2/20/2013	7983	2/28/2013	9	7982	2/28/2013	1	Methylene Chloride	12.86*	0.12* J	12.86	1930
2/20/2013	7983	2/28/2013	9	7982	2/28/2013	1	Toluene	0.88* J	0.38* J	0	190
2/26/2013	7991	3/5/2013	6	7992	3/5/2013	1	1,1,1-Trichloroethane	51.50*	U	51.5	590
2/26/2013	7991	3/5/2013	6	7992	3/5/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
2/26/2013	7991	3/5/2013	6	7992	3/5/2013	1	1,1-Dichloroethylene	1.68* J	U	0	100
2/26/2013	7991	3/5/2013	6	7992	3/5/2013	1	1,2-Dichloroethane	U	U	0	45
2/26/2013	7991	3/5/2013	6	7992	3/5/2013	1	Carbon Tetrachloride	355.72*	0.11* J	355.72	960
2/26/2013	7991	3/5/2013	6	7992	3/5/2013	1	Chlorobenzene	U	U	0	220
2/26/2013	7991	3/5/2013	6	7992	3/5/2013	1	Chloroform	26.55*	U	26.55	180

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Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
2/26/2013	7991	3/5/2013	6	7992	3/5/2013	1	Methylene Chloride	6.95* J	0.11* J	0	1930
2/26/2013	7991	3/5/2013	6	7992	3/5/2013	1	Toluene	0.49* J	0.14* J	0	190
2/27/2013	7993	3/5/2013	3	7994	3/5/2013	1	1,1,1-Trichloroethane	27.77*	U	27.77	590
2/27/2013	7993	3/5/2013	3	7994	3/5/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
2/27/2013	7993	3/5/2013	3	7994	3/5/2013	1	1,1-Dichloroethylene	U	U	0	100
2/27/2013	7993	3/5/2013	3	7994	3/5/2013	1	1,2-Dichloroethane	U	U	0	45
2/27/2013	7993	3/5/2013	3	7994	3/5/2013	1	Carbon Tetrachloride	130.59*	0.12* J	130.59	960
2/27/2013	7993	3/5/2013	3	7994	3/5/2013	1	Chlorobenzene	U	U	0	220
2/27/2013	7993	3/5/2013	3	7994	3/5/2013	1	Chloroform	8.18*	U	8.18	180
2/27/2013	7993	3/5/2013	3	7994	3/5/2013	1	Methylene Chloride	3.16* J	0.10* J	0	1930
2/27/2013	7993	3/5/2013	3	7994	3/5/2013	1	Toluene	0.31* J	0.16* J	0	190
3/5/2013	8015	3/13/2013	4	8014	3/13/2013	1	1,1,1-Trichloroethane	33.57*	U	33.57	590
3/5/2013	8015	3/13/2013	4	8014	3/13/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
3/5/2013	8015	3/13/2013	4	8014	3/13/2013	1	1,1-Dichloroethylene	U	U	0	100
3/5/2013	8015	3/13/2013	4	8014	3/13/2013	1	1,2-Dichloroethane	U	U	0	45
3/5/2013	8015	3/13/2013	4	8014	3/13/2013	1	Carbon Tetrachloride	226.28*	0.12* J	226.28	960
3/5/2013	8015	3/13/2013	4	8014	3/13/2013	1	Chlorobenzene	U	U	0	220
3/5/2013	8015	3/13/2013	4	8014	3/13/2013	1	Chloroform	18.41*	U	18.41	180
3/5/2013	8015	3/13/2013	4	8014	3/13/2013	1	Methylene Chloride	4.40* J	0.12* J	0	1930
3/5/2013	8015	3/13/2013	4	8014	3/13/2013	1	Toluene	0.40* J	0.13* J	0	190
3/6/2013	8017	3/13/2013	9	8016	3/13/2013	1	1,1,1-Trichloroethane	55.28*	U	55.28	590
3/6/2013	8017	3/13/2013	9	8016	3/13/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
3/6/2013	8017	3/13/2013	9	8016	3/13/2013	1	1,1-Dichloroethylene	1.57* J	U	0	100
3/6/2013	8017	3/13/2013	9	8016	3/13/2013	1	1,2-Dichloroethane	U	U	0	45
3/6/2013	8017	3/13/2013	9	8016	3/13/2013	1	Carbon Tetrachloride	518.45*	0.26* J	518.45	960
3/6/2013	8017	3/13/2013	9	8016	3/13/2013	1	Chlorobenzene	U	U	0	220
3/6/2013	8017	3/13/2013	9	8016	3/13/2013	1	Chloroform	44.74*	U	44.74	180
3/6/2013	8017	3/13/2013	9	8016	3/13/2013	1	Methylene Chloride	9.30* J	0.13* J	0	1930
3/6/2013	8017	3/13/2013	9	8016	3/13/2013	1	Toluene	U	0.19* J	0	190
3/12/2013	8043	3/20/2013	1.5	8042	3/20/2013	1	1,1,1-Trichloroethane	27.86*	U	27.86	590
3/12/2013	8043	3/20/2013	1.5	8042	3/20/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
3/12/2013	8043	3/20/2013	1.5	8042	3/20/2013	1	1,1-Dichloroethylene	U	U	0	100
3/12/2013	8043	3/20/2013	1.5	8042	3/20/2013	1	1,2-Dichloroethane	U	U	0	45
3/12/2013	8043	3/20/2013	1.5	8042	3/20/2013	1	Carbon Tetrachloride	123.35*	0.14* J	123.35	960
3/12/2013	8043	3/20/2013	1.5	8042	3/20/2013	1	Chlorobenzene	U	U	0	220
3/12/2013	8043	3/20/2013	1.5	8042	3/20/2013	1	Chloroform	6.08*	U	6.08	180
3/12/2013	8043	3/20/2013	1.5	8042	3/20/2013	1	Methylene Chloride	2.59*	U	2.59	1930
3/12/2013	8043	3/20/2013	1.5	8042	3/20/2013	1	Toluene	0.38* J	0.28* J	0	190

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Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
3/13/2013	8045	3/20/2013	4	8044	3/20/2013	1	1,1,1-Trichloroethane	41.77*	U	41.77	590
3/13/2013	8045	3/20/2013	4	8044	3/20/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
3/13/2013	8045	3/20/2013	4	8044	3/20/2013	1	1,1-Dichloroethylene	U	U	0	100
3/13/2013	8045	3/20/2013	4	8044	3/20/2013	1	1,2-Dichloroethane	U	U	0	45
3/13/2013	8045	3/20/2013	4	8044	3/20/2013	1	Carbon Tetrachloride	324.19*	0.18* J	324.19	960
3/13/2013	8045	3/20/2013	4	8044	3/20/2013	1	Chlorobenzene	U	U	0	220
3/13/2013	8045	3/20/2013	4	8044	3/20/2013	1	Chloroform	23.32*	0.07* J	23.32	180
3/13/2013	8045	3/20/2013	4	8044	3/20/2013	1	Methylene Chloride	5.78*	0.16* J	5.78	1930
3/13/2013	8045	3/20/2013	4	8044	3/20/2013	1	Toluene	0.54* J	0.21* J	0	190
3/19/2013	8053	3/26/2013	3	8054	3/26/2013	1	1,1,1-Trichloroethane	35.67*	U	35.67	590
3/19/2013	8053	3/26/2013	3	8054	3/26/2013	1	1,1,2,2-Tetrachloroethane	0.60* J	U	0	50
3/19/2013	8053	3/26/2013	3	8054	3/26/2013	1	1,1-Dichloroethylene	U	U	0	100
3/19/2013	8053	3/26/2013	3	8054	3/26/2013	1	1,2-Dichloroethane	U	U	0	45
3/19/2013	8053	3/26/2013	3	8054	3/26/2013	1	Carbon Tetrachloride	218.89*	0.15* J	218.89	960
3/19/2013	8053	3/26/2013	3	8054	3/26/2013	1	Chlorobenzene	U	U	0	220
3/19/2013	8053	3/26/2013	3	8054	3/26/2013	1	Chloroform	21.73*	U	21.73	180
3/19/2013	8053	3/26/2013	3	8054	3/26/2013	1	Methylene Chloride	6.00*	0.20* J	6	1930
3/19/2013	8053	3/26/2013	3	8054	3/26/2013	1	Toluene	1.09* J	0.64* J	0	190
3/20/2013	8055	3/26/2013	4	8056	3/26/2013	1	1,1,1-Trichloroethane	43.02*	U	43.02	590
3/20/2013	8055	3/26/2013	4	8056	3/26/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
3/20/2013	8055	3/26/2013	4	8056	3/26/2013	1	1,1-Dichloroethylene	U	U	0	100
3/20/2013	8055	3/26/2013	4	8056	3/26/2013	1	1,2-Dichloroethane	U	U	0	45
3/20/2013	8055	3/26/2013	4	8056	3/26/2013	1	Carbon Tetrachloride	299.50*	0.19* J	299.5	960
3/20/2013	8055	3/26/2013	4	8056	3/26/2013	1	Chlorobenzene	U	U	0	220
3/20/2013	8055	3/26/2013	4	8056	3/26/2013	1	Chloroform	30.60*	U	30.6	180
3/20/2013	8055	3/26/2013	4	8056	3/26/2013	1	Methylene Chloride	7.58*	0.20* J	7.58	1930
3/20/2013	8055	3/26/2013	4	8056	3/26/2013	1	Toluene	1.26* J	0.72* J	0	190
3/25/2013	8065	4/2/2013	3	8064	4/2/2013	1	1,1,1-Trichloroethane	43.72*	U	43.72	590
3/25/2013	8065	4/2/2013	3	8064	4/2/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
3/25/2013	8065	4/2/2013	3	8064	4/2/2013	1	1,1-Dichloroethylene	U	U	0	100
3/25/2013	8065	4/2/2013	3	8064	4/2/2013	1	1,2-Dichloroethane	U	U	0	45
3/25/2013	8065	4/2/2013	3	8064	4/2/2013	1	Carbon Tetrachloride	263.22*	0.20* J	263.22	960
3/25/2013	8065	4/2/2013	3	8064	4/2/2013	1	Chlorobenzene	U	U	0	220
3/25/2013	8065	4/2/2013	3	8064	4/2/2013	1	Chloroform	18.30*	U	18.3	180
3/25/2013	8065	4/2/2013	3	8064	4/2/2013	1	Methylene Chloride	5.25*	U	5.25	1930
3/25/2013	8065	4/2/2013	3	8064	4/2/2013	1	Toluene	0.61* J	0.20* J	0	190
3/26/2013	8067	4/2/2013	3	8066	4/2/2013	1	1,1,1-Trichloroethane	42.08*	U	42.08	590
3/26/2013	8067	4/2/2013	3	8066	4/2/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50

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## Attachment 1 – Comparison of the Underground HWDU VOC Emission Concentration and COC – Repository VOC Monitoring

Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
3/26/2013	8067	4/2/2013	3	8066	4/2/2013	1	1,1-Dichloroethylene	U	U	0	100
3/26/2013	8067	4/2/2013	3	8066	4/2/2013	1	1,2-Dichloroethane	U	U	0	45
3/26/2013	8067	4/2/2013	3	8066	4/2/2013	1	Carbon Tetrachloride	197.49*	0.45* J	197.49	960
3/26/2013	8067	4/2/2013	3	8066	4/2/2013	1	Chlorobenzene	U	U	0	220
3/26/2013	8067	4/2/2013	3	8066	4/2/2013	1	Chloroform	10.14*	U	10.14	180
3/26/2013	8067	4/2/2013	3	8066	4/2/2013	1	Methylene Chloride	4.27*	U	4.27	1930
3/26/2013	8067	4/2/2013	3	8066	4/2/2013	1	Toluene	0.53* J	0.23* J	0	190
4/2/2013	8073	4/11/2013	3	8074	4/11/2013	1	1,1,1-Trichloroethane	36.38*	U	36.38	590
4/2/2013	8073	4/11/2013	3	8074	4/11/2013	1	1,1,2,2-Tetrachloroethane	0.28* J	U	0	50
4/2/2013	8073	4/11/2013	3	8074	4/11/2013	1	1,1-Dichloroethylene	U	U	0	100
4/2/2013	8073	4/11/2013	3	8074	4/11/2013	1	1,2-Dichloroethane	U	U	0	45
4/2/2013	8073	4/11/2013	3	8074	4/11/2013	1	Carbon Tetrachloride	181.11*	0.15* J	181.11	960
4/2/2013	8073	4/11/2013	3	8074	4/11/2013	1	Chlorobenzene	U	U	0	220
4/2/2013	8073	4/11/2013	3	8074	4/11/2013	1	Chloroform	15.13*	U	15.13	180
4/2/2013	8073	4/11/2013	3	8074	4/11/2013	1	Methylene Chloride	4.93*	0.17* J	4.93	1930
4/2/2013	8073	4/11/2013	3	8074	4/11/2013	1	Toluene	1.02* J	0.45* J	0	190
4/3/2013	8077	4/11/2013	4	8078	4/11/2013	1	1,1,1-Trichloroethane	42.11*	0.11* J	42.11	590
4/3/2013	8077	4/11/2013	4	8078	4/11/2013	1	1,1,2,2-Tetrachloroethane	U	0.16* J	0	50
4/3/2013	8077	4/11/2013	4	8078	4/11/2013	1	1,1-Dichloroethylene	U	U	0	100
4/3/2013	8077	4/11/2013	4	8078	4/11/2013	1	1,2-Dichloroethane	U	U	0	45
4/3/2013	8077	4/11/2013	4	8078	4/11/2013	1	Carbon Tetrachloride	237.65*	0.70* J	237.65	960
4/3/2013	8077	4/11/2013	4	8078	4/11/2013	1	Chlorobenzene	U	U	0	220
4/3/2013	8077	4/11/2013	4	8078	4/11/2013	1	Chloroform	21.41*	U	21.41	180
4/3/2013	8077	4/11/2013	4	8078	4/11/2013	1	Methylene Chloride	6.16*	0.19* J	6.16	1930
4/3/2013	8077	4/11/2013	4	8078	4/11/2013	1	Toluene	1.04* J	0.44* J	0	190
4/9/2013	8117	4/17/2013	4	8116	4/17/2013	1	1,1,1-Trichloroethane	41.70*	U	41.7	590
4/9/2013	8117	4/17/2013	4	8116	4/17/2013	1	1,1,2,2-Tetrachloroethane	U	0.05* J	0	50
4/9/2013	8117	4/17/2013	4	8116	4/17/2013	1	1,1-Dichloroethylene	U	U	0	100
4/9/2013	8117	4/17/2013	4	8116	4/17/2013	1	1,2-Dichloroethane	U	U	0	45
4/9/2013	8117	4/17/2013	4	8116	4/17/2013	1	Carbon Tetrachloride	176.73*	0.21* J	176.73	960
4/9/2013	8117	4/17/2013	4	8116	4/17/2013	1	Chlorobenzene	U	U	0	220
4/9/2013	8117	4/17/2013	4	8116	4/17/2013	1	Chloroform	11.59*	U	11.59	180
4/9/2013	8117	4/17/2013	4	8116	4/17/2013	1	Methylene Chloride	5.33* J	0.16* J	0	1930
4/9/2013	8117	4/17/2013	4	8116	4/17/2013	1	Toluene	1.04* J	0.50* J	0	190
4/10/2013	8119	4/17/2013	4	8118	4/17/2013	1	1,1,1-Trichloroethane	33.00*	0.05* J	33	590
4/10/2013	8119	4/17/2013	4	8118	4/17/2013	1	1,1,2,2-Tetrachloroethane	0.65* J	U	0	50
4/10/2013	8119	4/17/2013	4	8118	4/17/2013	1	1,1-Dichloroethylene	U	U	0	100
4/10/2013	8119	4/17/2013	4	8118	4/17/2013	1	1,2-Dichloroethane	U	U	0	45

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Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
4/10/2013	8119	4/17/2013	4	8118	4/17/2013	1	Carbon Tetrachloride	200.10*	0.50* J	200.1	960
4/10/2013	8119	4/17/2013	4	8118	4/17/2013	1	Chlorobenzene	U	U	0	220
4/10/2013	8119	4/17/2013	4	8118	4/17/2013	1	Chloroform	18.12*	U	18.12	180
4/10/2013	8119	4/17/2013	4	8118	4/17/2013	1	Methylene Chloride	5.27* J	0.19* J	0	1930
4/10/2013	8119	4/17/2013	4	8118	4/17/2013	1	Toluene	0.76* J	0.24* J	0	190
4/16/2013	8125	4/24/2013	4	8126	4/24/2013	1	1,1,1-Trichloroethane	37.39*	U	37.39	590
4/16/2013	8125	4/24/2013	4	8126	4/24/2013	1	1,1,2,2-Tetrachloroethane	0.29* J	0.05* J	0	50
4/16/2013	8125	4/24/2013	4	8126	4/24/2013	1	1,1-Dichloroethylene	U	U	0	100
4/16/2013	8125	4/24/2013	4	8126	4/24/2013	1	1,2-Dichloroethane	U	U	0	45
4/16/2013	8125	4/24/2013	4	8126	4/24/2013	1	Carbon Tetrachloride	240.54*	0.16* J	240.54	960
4/16/2013	8125	4/24/2013	4	8126	4/24/2013	1	Chlorobenzene	U	U	0	220
4/16/2013	8125	4/24/2013	4	8126	4/24/2013	1	Chloroform	22.37*	U	22.37	180
4/16/2013	8125	4/24/2013	4	8126	4/24/2013	1	Methylene Chloride	5.86* J	0.17* J	0	1930
4/16/2013	8125	4/24/2013	4	8126	4/24/2013	1	Toluene	0.83* J	0.23* J	0	190
4/17/2013	8127	4/24/2013	9	8128	4/24/2013	1	1,1,1-Trichloroethane	66.56*	U	66.56	590
4/17/2013	8127	4/24/2013	9	8128	4/24/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
4/17/2013	8127	4/24/2013	9	8128	4/24/2013	1	1,1-Dichloroethylene	U	U	0	100
4/17/2013	8127	4/24/2013	9	8128	4/24/2013	1	1,2-Dichloroethane	U	U	0	45
4/17/2013	8127	4/24/2013	9	8128	4/24/2013	1	Carbon Tetrachloride	559.92*	0.25* J	559.92	960
4/17/2013	8127	4/24/2013	9	8128	4/24/2013	1	Chlorobenzene	U	U	0	220
4/17/2013	8127	4/24/2013	9	8128	4/24/2013	1	Chloroform	58.29*	U	58.29	180
4/17/2013	8127	4/24/2013	9	8128	4/24/2013	1	Methylene Chloride	11.93* J	0.16* J	0	1930
4/17/2013	8127	4/24/2013	9	8128	4/24/2013	1	Toluene	1.76* J	0.76* J	0	190
4/23/2013	8137	4/29/2013	3	8136	4/29/2013	1	1,1,1-Trichloroethane	37.30*	U	37.3	590
4/23/2013	8137	4/29/2013	3	8136	4/29/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
4/23/2013	8137	4/29/2013	3	8136	4/29/2013	1	1,1-Dichloroethylene	U	U	0	100
4/23/2013	8137	4/29/2013	3	8136	4/29/2013	1	1,2-Dichloroethane	U	U	0	45
4/23/2013	8137	4/29/2013	3	8136	4/29/2013	1	Carbon Tetrachloride	256.49*	0.16* J	256.49	960
4/23/2013	8137	4/29/2013	3	8136	4/29/2013	1	Chlorobenzene	U	U	0	220
4/23/2013	8137	4/29/2013	3	8136	4/29/2013	1	Chloroform	26.19*	U	26.19	180
4/23/2013	8137	4/29/2013	3	8136	4/29/2013	1	Methylene Chloride	6.04*	0.21* J	6.04	1930
4/23/2013	8137	4/29/2013	3	8136	4/29/2013	1	Toluene	0.98* J	0.27* J	0	190
4/24/2013	8139	4/29/2013	4	8138	4/29/2013	1	1,1,1-Trichloroethane	49.29*	U	49.29	590
4/24/2013	8139	4/29/2013	4	8138	4/29/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
4/24/2013	8139	4/29/2013	4	8138	4/29/2013	1	1,1-Dichloroethylene	U	U	0	100
4/24/2013	8139	4/29/2013	4	8138	4/29/2013	1	1,2-Dichloroethane	U	U	0	45
4/24/2013	8139	4/29/2013	4	8138	4/29/2013	1	Carbon Tetrachloride	389.45*	0.21* J	389.45	960
4/24/2013	8139	4/29/2013	4	8138	4/29/2013	1	Chlorobenzene	U	U	0	220

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Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
4/24/2013	8139	4/29/2013	4	8138	4/29/2013	1	Chloroform	39.49*	U	39.49	180
4/24/2013	8139	4/29/2013	4	8138	4/29/2013	1	Methylene Chloride	8.05*	U	8.05	1930
4/24/2013	8139	4/29/2013	4	8138	4/29/2013	1	Toluene	0.97* J	0.55* J	0	190
4/30/2013	8149	5/8/2013	6	8148	5/8/2013	1	1,1,1-Trichloroethane	56.27*	U	56.27	590
4/30/2013	8149	5/8/2013	6	8148	5/8/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
4/30/2013	8149	5/8/2013	6	8148	5/8/2013	1	1,1-Dichloroethylene	U	U	0	100
4/30/2013	8149	5/8/2013	6	8148	5/8/2013	1	1,2-Dichloroethane	U	U	0	45
4/30/2013	8149	5/8/2013	6	8148	5/8/2013	1	Carbon Tetrachloride	404.17*	0.25* J	404.17	960
4/30/2013	8149	5/8/2013	6	8148	5/8/2013	1	Chlorobenzene	U	U	0	220
4/30/2013	8149	5/8/2013	6	8148	5/8/2013	1	Chloroform	37.61*	U	37.61	180
4/30/2013	8149	5/8/2013	6	8148	5/8/2013	1	Methylene Chloride	9.57*	0.19* J	9.57	1930
4/30/2013	8149	5/8/2013	6	8148	5/8/2013	1	Toluene	1.43* J	0.57* J	0	190
5/1/2013	8151	5/8/2013	4	8150	5/8/2013	1	1,1,1-Trichloroethane	43.71*	U	43.71	590
5/1/2013	8151	5/8/2013	4	8150	5/8/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
5/1/2013	8151	5/8/2013	4	8150	5/8/2013	1	1,1-Dichloroethylene	U	U	0	100
5/1/2013	8151	5/8/2013	4	8150	5/8/2013	1	1,2-Dichloroethane	U	U	0	45
5/1/2013	8151	5/8/2013	4	8150	5/8/2013	1	Carbon Tetrachloride	272.13*	0.32* J	272.13	960
5/1/2013	8151	5/8/2013	4	8150	5/8/2013	1	Chlorobenzene	U	U	0	220
5/1/2013	8151	5/8/2013	4	8150	5/8/2013	1	Chloroform	23.54*	U	23.54	180
5/1/2013	8151	5/8/2013	4	8150	5/8/2013	1	Methylene Chloride	6.88*	0.26* J	6.88	1930
5/1/2013	8151	5/8/2013	4	8150	5/8/2013	1	Toluene	1.37* J	0.54* J	0	190
5/7/2013	8175	5/20/13	6	8176	5/20/13	1	1,1,1-Trichloroethane	59.07*	U	59.07	590
5/7/2013	8175	5/20/13	6	8176	5/20/13	1	1,1,2,2-Tetrachloroethane	U	U	0	50
5/7/2013	8175	5/20/13	6	8176	5/20/13	1	1,1-Dichloroethylene	U	U	0	100
5/7/2013	8175	5/20/13	6	8176	5/20/13	1	1,2-Dichloroethane	U	U	0	45
5/7/2013	8175	5/20/13	6	8176	5/20/13	1	Carbon Tetrachloride	423.31*	0.19* J	423.31	960
5/7/2013	8175	5/20/13	6	8176	5/20/13	1	Chlorobenzene	U	U	0	220
5/7/2013	8175	5/20/13	6	8176	5/20/13	1	Chloroform	40.65*	U	40.65	180
5/7/2013	8175	5/20/13	6	8176	5/20/13	1	Methylene Chloride	9.40* J	0.25* J	0	1930
5/7/2013	8175	5/20/13	6	8176	5/20/13	1	Toluene	1.23* J	0.47* J	0	190
5/8/2013	8177	5/20/13	4	8178	5/20/13	1	1,1,1-Trichloroethane	54.76*	U	54.76	590
5/8/2013	8177	5/20/13	4	8178	5/20/13	1	1,1,2,2-Tetrachloroethane	U	U	0	50
5/8/2013	8177	5/20/13	4	8178	5/20/13	1	1,1-Dichloroethylene	U	U	0	100
5/8/2013	8177	5/20/13	4	8178	5/20/13	1	1,2-Dichloroethane	U	U	0	45
5/8/2013	8177	5/20/13	4	8178	5/20/13	1	Carbon Tetrachloride	339.53*	0.23* J	339.53	960
5/8/2013	8177	5/20/13	4	8178	5/20/13	1	Chlorobenzene	U	U	0	220
5/8/2013	8177	5/20/13	4	8178	5/20/13	1	Chloroform	29.92*	U	29.92	180
5/8/2013	8177	5/20/13	4	8178	5/20/13	1	Methylene Chloride	8.11*	0.20* J	8.11	1930

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Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
5/8/2013	8177	5/20/13	4	8178	5/20/13	1	Toluene	1.25* J	0.47* J	0	190
5/14/2013	8199	5/28/13	1.5	8200	5/28/13	1	1,1,1-Trichloroethane	9.84*	U	9.84	590
5/14/2013	8199	5/28/13	1.5	8200	5/28/13	1	1,1,2,2-Tetrachloroethane	U	U	0	50
5/14/2013	8199	5/28/13	1.5	8200	5/28/13	1	1,1-Dichloroethylene	U	U	0	100
5/14/2013	8199	5/28/13	1.5	8200	5/28/13	1	1,2-Dichloroethane	U	U	0	45
5/14/2013	8199	5/28/13	1.5	8200	5/28/13	1	Carbon Tetrachloride	79.46*	0.26* J	79.46	960
5/14/2013	8199	5/28/13	1.5	8200	5/28/13	1	Chlorobenzene	U	U	0	220
5/14/2013	8199	5/28/13	1.5	8200	5/28/13	1	Chloroform	8.61*	U	8.61	180
5/14/2013	8199	5/28/13	1.5	8200	5/28/13	1	Methylene Chloride	1.68* J	0.20* J	0	1930
5/14/2013	8199	5/28/13	1.5	8200	5/28/13	1	Toluene	0.53* J	0.48* J	0	190
5/15/2013	8201	5/28/13	4	8202	5/28/13	2	1,1,1-Trichloroethane	18.05*	0* R	18.05	590
5/15/2013	8201	5/28/13	4	8202	5/28/13	2	1,1,2,2-Tetrachloroethane	U	0* R	0	50
5/15/2013	8201	5/28/13	4	8202	5/28/13	2	1,1-Dichloroethylene	U	0* R	0	100
5/15/2013	8201	5/28/13	4	8202	5/28/13	2	1,2-Dichloroethane	U	0* R	0	45
5/15/2013	8201	5/28/13	4	8202	5/28/13	2	Carbon Tetrachloride	185.86*	0* R	185.86	960
5/15/2013	8201	5/28/13	4	8202	5/28/13	2	Chlorobenzene	U	0* R	0	220
5/15/2013	8201	5/28/13	4	8202	5/28/13	2	Chloroform	21.75*	0* R	21.75	180
5/15/2013	8201	5/28/13	4	8202	5/28/13	2	Methylene Chloride	3.82* J	0* R	0	1930
5/15/2013	8201	5/28/13	4	8202	5/28/13	2	Toluene	0.82* J	0* R	0	190
5/21/2013	8211	6/3/2013	1	8210	6/3/2013	1	1,1,1-Trichloroethane	6.16*	U	6.16	590
5/21/2013	8211	6/3/2013	1	8210	6/3/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
5/21/2013	8211	6/3/2013	1	8210	6/3/2013	1	1,1-Dichloroethylene	U	U	0	100
5/21/2013	8211	6/3/2013	1	8210	6/3/2013	1	1,2-Dichloroethane	U	U	0	45
5/21/2013	8211	6/3/2013	1	8210	6/3/2013	1	Carbon Tetrachloride	37.34*	0.23* J	37.34	960
5/21/2013	8211	6/3/2013	1	8210	6/3/2013	1	Chlorobenzene	U	U	0	220
5/21/2013	8211	6/3/2013	1	8210	6/3/2013	1	Chloroform	3.15*	U	3.15	180
5/21/2013	8211	6/3/2013	1	8210	6/3/2013	1	Methylene Chloride	0.98* J	0.23* J	0	1930
5/21/2013	8211	6/3/2013	1	8210	6/3/2013	1	Toluene	0.29* J	0.22* J	0	190
5/22/2013	8213	6/3/2013	1	8212	6/3/2013	1	1,1,1-Trichloroethane	11.24*	U	11.24	590
5/22/2013	8213	6/3/2013	1	8212	6/3/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
5/22/2013	8213	6/3/2013	1	8212	6/3/2013	1	1,1-Dichloroethylene	U	U	0	100
5/22/2013	8213	6/3/2013	1	8212	6/3/2013	1	1,2-Dichloroethane	U	U	0	45
5/22/2013	8213	6/3/2013	1	8212	6/3/2013	1	Carbon Tetrachloride	78.77*	0.19* J	78.77	960
5/22/2013	8213	6/3/2013	1	8212	6/3/2013	1	Chlorobenzene	U	U	0	220
5/22/2013	8213	6/3/2013	1	8212	6/3/2013	1	Chloroform	6.88*	U	6.88	180
5/22/2013	8213	6/3/2013	1	8212	6/3/2013	1	Methylene Chloride	1.68*	0.19* J	1.68	1930
5/22/2013	8213	6/3/2013	1	8212	6/3/2013	1	Toluene	0.46* J	0.36* J	0	190
5/28/2013	8221	6/5/2013	2	8220	6/5/2013	1	1,1,1-Trichloroethane	24.85*	U	24.85	590

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Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
5/28/2013	8221	6/5/2013	2	8220	6/5/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
5/28/2013	8221	6/5/2013	2	8220	6/5/2013	1	1,1-Dichloroethylene	U	U	0	100
5/28/2013	8221	6/5/2013	2	8220	6/5/2013	1	1,2-Dichloroethane	U	U	0	45
5/28/2013	8221	6/5/2013	2	8220	6/5/2013	1	Carbon Tetrachloride	171.56*	0.42* J	171.56	960
5/28/2013	8221	6/5/2013	2	8220	6/5/2013	1	Chlorobenzene	U	U	0	220
5/28/2013	8221	6/5/2013	2	8220	6/5/2013	1	Chloroform	13.87*	U	13.87	180
5/28/2013	8221	6/5/2013	2	8220	6/5/2013	1	Methylene Chloride	3.77*	0.19* J	3.77	1930
5/28/2013	8221	6/5/2013	2	8220	6/5/2013	1	Toluene	0.74* J	0.52* J	0	190
5/29/2013	8223	6/5/2013	2	8222	6/5/2013	1	1,1,1-Trichloroethane	22.52*	U	22.52	590
5/29/2013	8223	6/5/2013	2	8222	6/5/2013	1	1,1,2,2-Tetrachloroethane	0.28* J	U	0	50
5/29/2013	8223	6/5/2013	2	8222	6/5/2013	1	1,1-Dichloroethylene	U	U	0	100
5/29/2013	8223	6/5/2013	2	8222	6/5/2013	1	1,2-Dichloroethane	U	U	0	45
5/29/2013	8223	6/5/2013	2	8222	6/5/2013	1	Carbon Tetrachloride	149.54*	0.15* J	149.54	960
5/29/2013	8223	6/5/2013	2	8222	6/5/2013	1	Chlorobenzene	U	U	0	220
5/29/2013	8223	6/5/2013	2	8222	6/5/2013	1	Chloroform	12.00*	U	12	180
5/29/2013	8223	6/5/2013	2	8222	6/5/2013	1	Methylene Chloride	3.39*	U	3.39	1930
5/29/2013	8223	6/5/2013	2	8222	6/5/2013	1	Toluene	0.78* J	0.58* J	0	190
6/3/2013	8231	6/12/2013	13.5	8232	6/12/2013	1	1,1,1-Trichloroethane	103.14*	0.10* J	103.14	590
6/3/2013	8231	6/12/2013	13.5	8232	6/12/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
6/3/2013	8231	6/12/2013	13.5	8232	6/12/2013	1	1,1-Dichloroethylene	1.62* J	U	0	100
6/3/2013	8231	6/12/2013	13.5	8232	6/12/2013	1	1,2-Dichloroethane	U	U	0	45
6/3/2013	8231	6/12/2013	13.5	8232	6/12/2013	1	Carbon Tetrachloride	696.71*	0.70* J	696.71	960
6/3/2013	8231	6/12/2013	13.5	8232	6/12/2013	1	Chlorobenzene	U	U	0	220
6/3/2013	8231	6/12/2013	13.5	8232	6/12/2013	1	Chloroform	68.90*	U	68.9	180
6/3/2013	8231	6/12/2013	13.5	8232	6/12/2013	1	Methylene Chloride	16.82* J	0.18* J	0	1930
6/3/2013	8231	6/12/2013	13.5	8232	6/12/2013	1	Toluene	2.63* J	0.66* J	0	190
6/4/2013	8235	6/12/2013	13.5	8236	6/12/2013	1	1,1,1-Trichloroethane	111.80*	U	111.8	590
6/4/2013	8235	6/12/2013	13.5	8236	6/12/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
6/4/2013	8235	6/12/2013	13.5	8236	6/12/2013	1	1,1-Dichloroethylene	1.67* J	U	0	100
6/4/2013	8235	6/12/2013	13.5	8236	6/12/2013	1	1,2-Dichloroethane	U	U	0	45
6/4/2013	8235	6/12/2013	13.5	8236	6/12/2013	1	Carbon Tetrachloride	825.49*	0.17* J	825.49	960
6/4/2013	8235	6/12/2013	13.5	8236	6/12/2013	1	Chlorobenzene	U	U	0	220
6/4/2013	8235	6/12/2013	13.5	8236	6/12/2013	1	Chloroform	82.75*	U	82.75	180
6/4/2013	8235	6/12/2013	13.5	8236	6/12/2013	1	Methylene Chloride	20.89*	0.17* J	20.89	1930
6/4/2013	8235	6/12/2013	13.5	8236	6/12/2013	1	Toluene	2.71* J	0.88* J	0	190
6/9/2013	8273	6/21/2013	4	8274	6/21/2013	1	1,1,1-Trichloroethane	93.67*	U	93.67	590
6/9/2013	8273	6/21/2013	4	8274	6/21/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
6/9/2013	8273	6/21/2013	4	8274	6/21/2013	1	1,1-Dichloroethylene	0.52* J	U	0	100

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Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
6/9/2013	8273	6/21/2013	4	8274	6/21/2013	1	1,2-Dichloroethane	U	U	0	45
6/9/2013	8273	6/21/2013	4	8274	6/21/2013	1	Carbon Tetrachloride	433.59*	0.39* J	433.59	960
6/9/2013	8273	6/21/2013	4	8274	6/21/2013	1	Chlorobenzene	U	U	0	220
6/9/2013	8273	6/21/2013	4	8274	6/21/2013	1	Chloroform	33.01*	U	33.01	180
6/9/2013	8273	6/21/2013	4	8274	6/21/2013	1	Methylene Chloride	12.05*	0.19* J	12.05	1930
6/9/2013	8273	6/21/2013	4	8274	6/21/2013	1	Toluene	1.96* J	0.60* J	0	190
6/10/2013	8275	6/21/2013	6	8276	6/21/2013	1	1,1,1-Trichloroethane	108.25*	U	108.25	590
6/10/2013	8275	6/21/2013	6	8276	6/21/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
6/10/2013	8275	6/21/2013	6	8276	6/21/2013	1	1,1-Dichloroethylene	U	U	0	100
6/10/2013	8275	6/21/2013	6	8276	6/21/2013	1	1,2-Dichloroethane	U	U	0	45
6/10/2013	8275	6/21/2013	6	8276	6/21/2013	1	Carbon Tetrachloride	660.68*	0.24* J	660.68	960
6/10/2013	8275	6/21/2013	6	8276	6/21/2013	1	Chlorobenzene	U	U	0	220
6/10/2013	8275	6/21/2013	6	8276	6/21/2013	1	Chloroform	60.60*	U	60.6	180
6/10/2013	8275	6/21/2013	6	8276	6/21/2013	1	Methylene Chloride	15.64*	0.19* J	15.64	1930
6/10/2013	8275	6/21/2013	6	8276	6/21/2013	1	Toluene	3.58* J	0.51* J	0	190
6/18/2013	8285	7/10/2013	6	8284	7/10/2013	1	1,1,1-Trichloroethane	111.10*	U	111.1	590
6/18/2013	8285	7/10/2013	6	8284	7/10/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
6/18/2013	8285	7/10/2013	6	8284	7/10/2013	1	1,1-Dichloroethylene	U	U	0	100
6/18/2013	8285	7/10/2013	6	8284	7/10/2013	1	1,2-Dichloroethane	U	U	0	45
6/18/2013	8285	7/10/2013	6	8284	7/10/2013	1	Carbon Tetrachloride	760.10*	0.33* J	760.1	960
6/18/2013	8285	7/10/2013	6	8284	7/10/2013	1	Chlorobenzene	U	U	0	220
6/18/2013	8285	7/10/2013	6	8284	7/10/2013	1	Chloroform	62.12*	U	62.12	180
6/18/2013	8285	7/10/2013	6	8284	7/10/2013	1	Methylene Chloride	12.85*	0.20* J	12.85	1930
6/18/2013	8285	7/10/2013	6	8284	7/10/2013	1	Toluene	1.92* J	0.45* J	0	190
6/19/2013	8287	7/10/2013	6	8286	7/10/2013	1	1,1,1-Trichloroethane	97.61*	U	97.61	590
6/19/2013	8287	7/10/2013	6	8286	7/10/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
6/19/2013	8287	7/10/2013	6	8286	7/10/2013	1	1,1-Dichloroethylene	0.79* J	U	0	100
6/19/2013	8287	7/10/2013	6	8286	7/10/2013	1	1,2-Dichloroethane	U	U	0	45
6/19/2013	8287	7/10/2013	6	8286	7/10/2013	1	Carbon Tetrachloride	670.65*	0.36* J	670.65	960
6/19/2013	8287	7/10/2013	6	8286	7/10/2013	1	Chlorobenzene	U	U	0	220
6/19/2013	8287	7/10/2013	6	8286	7/10/2013	1	Chloroform	56.45*	U	56.45	180
6/19/2013	8287	7/10/2013	6	8286	7/10/2013	1	Methylene Chloride	11.03*	0.18* J	11.03	1930
6/19/2013	8287	7/10/2013	6	8286	7/10/2013	1	Toluene	1.39* J	0.38* J	0	190
6/25/2013	8295	7/12/2013	6	8294	7/12/2013	1	1,1,1-Trichloroethane	66.86*	U	66.86	590
6/25/2013	8295	7/12/2013	6	8294	7/12/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
6/25/2013	8295	7/12/2013	6	8294	7/12/2013	1	1,1-Dichloroethylene	U	U	0	100
6/25/2013	8295	7/12/2013	6	8294	7/12/2013	1	1,2-Dichloroethane	U	U	0	45
6/25/2013	8295	7/12/2013	6	8294	7/12/2013	1	Carbon Tetrachloride	437.22*	0.20* J	437.22	960

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Sample Date (A and B)	VOC-A Sample ID	VOC-A Analysis Date	VOC-A MRL (ppbv)	VOC-B Sample ID	VOC-B Analysis Date	VOC-B MRL (ppbv)	Compound	VOC-A (ppbv)	VOC-B (ppbv)	Emission (ppbv) <sup>1</sup>	COC (ppbv)
6/25/2013	8295	7/12/2013	6	8294	7/12/2013	1	Chlorobenzene	U	U	0	220
6/25/2013	8295	7/12/2013	6	8294	7/12/2013	1	Chloroform	31.86*	U	31.86	180
6/25/2013	8295	7/12/2013	6	8294	7/12/2013	1	Methylene Chloride	9.70*	0.17* J	9.7	1930
6/25/2013	8295	7/12/2013	6	8294	7/12/2013	1	Toluene	1.61* J	0.52* J	0	190
6/26/2013	8297	7/12/2013	6	8296	7/12/2013	1	1,1,1-Trichloroethane	60.63*	U	60.63	590
6/26/2013	8297	7/12/2013	6	8296	7/12/2013	1	1,1,2,2-Tetrachloroethane	U	U	0	50
6/26/2013	8297	7/12/2013	6	8296	7/12/2013	1	1,1-Dichloroethylene	U	U	0	100
6/26/2013	8297	7/12/2013	6	8296	7/12/2013	1	1,2-Dichloroethane	U	U	0	45
6/26/2013	8297	7/12/2013	6	8296	7/12/2013	1	Carbon Tetrachloride	356.50*	0.26* J	356.5	960
6/26/2013	8297	7/12/2013	6	8296	7/12/2013	1	Chlorobenzene	U	U	0	220
6/26/2013	8297	7/12/2013	6	8296	7/12/2013	1	Chloroform	22.03*	U	22.03	180
6/26/2013	8297	7/12/2013	6	8296	7/12/2013	1	Methylene Chloride	8.51* J	0.18* J	0	1930
6/26/2013	8297	7/12/2013	6	8296	7/12/2013	1	Toluene	1.20* J	0.66* J	0	190

**Notes:**

Shaded data indicate a non-routine result for a sampling event. Additional details are provided in section 2.3 of this report.

Station VOC-A and Station VOC-B are abbreviated to VOC-A and VOC-B in the column headers, with the exception of the "Sample Date" column where they are abbreviated as "A and B."

Descriptions for qualifiers (i.e., U, J, and R) are presented in section 1.2 of this report.

MRL = method reporting limit, adjusted to compensate for dilutions, as applicable. Additional details are presented in section 1.2 of this report.

ppbv = parts per billion by volume.

\* Normalized concentration.

<sup>1</sup> Analytical results not qualified as "U" are normalized to the typical operating conditions, in accordance with Permit Attachment N, section N-3e(1). The normalized concentration of each target VOC detected at Station VOC-B is subtracted from the normalized concentration detected at Station VOC-A and represents the Underground HWDU VOC emission concentration. The resulting concentration for each target analyte is compared to its COC listed in Permit Part 4, table 4.6.2.3. Results qualified as "U" indicate that the laboratory's quantitative results were not greater than the method detection limit (MDL) and are assigned a value of zero for determination of emission concentrations. Analytical results qualified as "J" indicate that the laboratory's quantitative results were at a concentration greater than the MDL but less than the laboratory's method reporting limit (MRL). Results qualified as "J" are normalized but are considered to be estimated values and are assigned a value of zero for determination of emission concentrations. When the normalized concentration at Station VOC-A is less than Station VOC-B, the emission concentration is reported as zero.

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## Attachment 2 – Disposal Room VOC Monitoring Results

## Panel 6 – Disposal Room VOC Monitoring Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R1E	8147	4/24/2013	4/29/2013	1,1,1-Trichloroethane	4	62.04
P6R1E	8147	4/24/2013	4/29/2013	1,1,2,2-Tetrachloroethane	4	U
P6R1E	8147	4/24/2013	4/29/2013	1,1-Dichloroethylene	4	U
P6R1E	8147	4/24/2013	4/29/2013	1,2-Dichloroethane	4	U
P6R1E	8147	4/24/2013	4/29/2013	Carbon Tetrachloride	4	200.48
P6R1E	8147	4/24/2013	4/29/2013	Chlorobenzene	4	U
P6R1E	8147	4/24/2013	4/29/2013	Chloroform	4	11.40
P6R1E	8147	4/24/2013	4/29/2013	Methylene Chloride	4	2.84 J
P6R1E	8147	4/24/2013	4/29/2013	Toluene	4	0.60 J
P6R1E	8182	5/7/2013	5/20/2013	1,1,1-Trichloroethane	4	61.64
P6R1E	8182	5/7/2013	5/20/2013	1,1,2,2-Tetrachloroethane	4	U
P6R1E	8182	5/7/2013	5/20/2013	1,1-Dichloroethylene	4	U
P6R1E	8182	5/7/2013	5/20/2013	1,2-Dichloroethane	4	U
P6R1E	8182	5/7/2013	5/20/2013	Carbon Tetrachloride	4	196.84
P6R1E	8182	5/7/2013	5/20/2013	Chlorobenzene	4	U
P6R1E	8182	5/7/2013	5/20/2013	Chloroform	4	11.52
P6R1E	8182	5/7/2013	5/20/2013	Methylene Chloride	4	3.12 J
P6R1E	8182	5/7/2013	5/20/2013	Toluene	4	0.80 J
P6R1E	8216	5/21/2013	6/3/2013	1,1,1-Trichloroethane	4	54.48
P6R1E	8216	5/21/2013	6/3/2013	1,1,2,2-Tetrachloroethane	4	U
P6R1E	8216	5/21/2013	6/3/2013	1,1-Dichloroethylene	4	U
P6R1E	8216	5/21/2013	6/3/2013	1,2-Dichloroethane	4	U
P6R1E	8216	5/21/2013	6/3/2013	Carbon Tetrachloride	4	187.20
P6R1E	8216	5/21/2013	6/3/2013	Chlorobenzene	4	U
P6R1E	8216	5/21/2013	6/3/2013	Chloroform	4	10.52
P6R1E	8216	5/21/2013	6/3/2013	Methylene Chloride	4	2.64 J

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## Panel 6 – Disposal Room VOC Monitoring Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R1E	8216	5/21/2013	6/3/2013	Toluene	4	0.72 J
P6R1E	8239	6/3/2013	6/12/2013	1,1,1-Trichloroethane	3	36.93
P6R1E	8239	6/3/2013	6/12/2013	1,1,2,2-Tetrachloroethane	3	U
P6R1E	8239	6/3/2013	6/12/2013	1,1-Dichloroethylene	3	U
P6R1E	8239	6/3/2013	6/12/2013	1,2-Dichloroethane	3	U
P6R1E	8239	6/3/2013	6/12/2013	Carbon Tetrachloride	3	113.16
P6R1E	8239	6/3/2013	6/12/2013	Chlorobenzene	3	U
P6R1E	8239	6/3/2013	6/12/2013	Chloroform	3	7.08
P6R1E	8239	6/3/2013	6/12/2013	Methylene Chloride	3	1.83 J
P6R1E	8239	6/3/2013	6/12/2013	Toluene	3	0.81 J
P6R1E	8291	6/18/2013	7/10/2013	1,1,1-Trichloroethane	3	47.22
P6R1E	8291	6/18/2013	7/10/2013	1,1,2,2-Tetrachloroethane	3	U
P6R1E	8291	6/18/2013	7/10/2013	1,1-Dichloroethylene	3	U
P6R1E	8291	6/18/2013	7/10/2013	1,2-Dichloroethane	3	U
P6R1E	8291	6/18/2013	7/10/2013	Carbon Tetrachloride	3	162.87
P6R1E	8291	6/18/2013	7/10/2013	Chlorobenzene	3	U
P6R1E	8291	6/18/2013	7/10/2013	Chloroform	3	8.34
P6R1E	8291	6/18/2013	7/10/2013	Methylene Chloride	3	1.65 J
P6R1E	8291	6/18/2013	7/10/2013	Toluene	3	0.36 J
P6R2E	7863	1/9/2013	1/18/2013	1,1,1-Trichloroethane	1	2.65
P6R2E	7863	1/9/2013	1/18/2013	1,1,2,2-Tetrachloroethane	1	U
P6R2E	7863	1/9/2013	1/18/2013	1,1-Dichloroethylene	1	U
P6R2E	7863	1/9/2013	1/18/2013	1,2-Dichloroethane	1	U
P6R2E	7863	1/9/2013	1/18/2013	Carbon Tetrachloride	1	7.23
P6R2E	7863	1/9/2013	1/18/2013	Chlorobenzene	1	U
P6R2E	7863	1/9/2013	1/18/2013	Chloroform	1	0.65 J
P6R2E	7863	1/9/2013	1/18/2013	Methylene Chloride	1	0.29 J

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## Attachment 2 – Disposal Room VOC Monitoring Results

## Panel 6 – Disposal Room VOC Monitoring Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R2E	7863	1/9/2013	1/18/2013	Toluene	1	0.43 J
P6R2E	7911	1/23/2013	2/1/2013	1,1,1-Trichloroethane	1	20.07
P6R2E	7911	1/23/2013	2/1/2013	1,1,2,2-Tetrachloroethane	1	U
P6R2E	7911	1/23/2013	2/1/2013	1,1-Dichloroethylene	1	U
P6R2E	7911	1/23/2013	2/1/2013	1,2-Dichloroethane	1	U
P6R2E	7911	1/23/2013	2/1/2013	Carbon Tetrachloride	1	56.80
P6R2E	7911	1/23/2013	2/1/2013	Chlorobenzene	1	U
P6R2E	7911	1/23/2013	2/1/2013	Chloroform	1	3.62
P6R2E	7911	1/23/2013	2/1/2013	Methylene Chloride	1	1.25
P6R2E	7911	1/23/2013	2/1/2013	Toluene	1	1.03
P6R2E	7953	2/6/2013	2/18/2013	1,1,1-Trichloroethane	2	25.34
P6R2E	7953	2/6/2013	2/18/2013	1,1,2,2-Tetrachloroethane	2	U
P6R2E	7953	2/6/2013	2/18/2013	1,1-Dichloroethylene	2	U
P6R2E	7953	2/6/2013	2/18/2013	1,2-Dichloroethane	2	U
P6R2E	7953	2/6/2013	2/18/2013	Carbon Tetrachloride	2	77.02
P6R2E	7953	2/6/2013	2/18/2013	Chlorobenzene	2	U
P6R2E	7953	2/6/2013	2/18/2013	Chloroform	2	4.94
P6R2E	7953	2/6/2013	2/18/2013	Methylene Chloride	2	1.52 J
P6R2E	7953	2/6/2013	2/18/2013	Toluene	2	0.76 J
P6R2E	7990	2/20/2013	3/1/2013	1,1,1-Trichloroethane	1	0.12 J
P6R2E	7990	2/20/2013	3/1/2013	1,1,2,2-Tetrachloroethane	1	U
P6R2E	7990	2/20/2013	3/1/2013	1,1-Dichloroethylene	1	U
P6R2E	7990	2/20/2013	3/1/2013	1,2-Dichloroethane	1	U
P6R2E	7990	2/20/2013	3/1/2013	Carbon Tetrachloride	1	0.60 J
P6R2E	7990	2/20/2013	3/1/2013	Chlorobenzene	1	U
P6R2E	7990	2/20/2013	3/1/2013	Chloroform	1	0.09 J
P6R2E	7990	2/20/2013	3/1/2013	Methylene Chloride	1	0.12 J

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R2E	7990	2/20/2013	3/1/2013	Toluene	1	0.29 J
P6R2E	8023	3/6/2013	3/13/2013	1,1,1-Trichloroethane	1.5	19.43
P6R2E	8023	3/6/2013	3/13/2013	1,1,2,2-Tetrachloroethane	1.5	U
P6R2E	8023	3/6/2013	3/13/2013	1,1-Dichloroethylene	1.5	U
P6R2E	8023	3/6/2013	3/13/2013	1,2-Dichloroethane	1.5	U
P6R2E	8023	3/6/2013	3/13/2013	Carbon Tetrachloride	1.5	66.87
P6R2E	8023	3/6/2013	3/13/2013	Chlorobenzene	1.5	U
P6R2E	8023	3/6/2013	3/13/2013	Chloroform	1.5	3.21
P6R2E	8023	3/6/2013	3/13/2013	Methylene Chloride	1.5	0.78 J
P6R2E	8023	3/6/2013	3/13/2013	Toluene	1.5	0.26 J
P6R2E	8063	3/20/2013	3/27/2013	1,1,1-Trichloroethane	1.5	18.92
P6R2E	8063	3/20/2013	3/27/2013	1,1,2,2-Tetrachloroethane	1.5	U
P6R2E	8063	3/20/2013	3/27/2013	1,1-Dichloroethylene	1.5	U
P6R2E	8063	3/20/2013	3/27/2013	1,2-Dichloroethane	1.5	U
P6R2E	8063	3/20/2013	3/27/2013	Carbon Tetrachloride	1.5	58.59
P6R2E	8063	3/20/2013	3/27/2013	Chlorobenzene	1.5	U
P6R2E	8063	3/20/2013	3/27/2013	Chloroform	1.5	3.60
P6R2E	8063	3/20/2013	3/27/2013	Methylene Chloride	1.5	1.07 J
P6R2E	8063	3/20/2013	3/27/2013	Toluene	1.5	0.71 J
P6R2E	8084	4/3/2013	4/12/2013	1,1,1-Trichloroethane	2	24.30
P6R2E	8084	4/3/2013	4/12/2013	1,1,2,2-Tetrachloroethane	2	U
P6R2E	8084	4/3/2013	4/12/2013	1,1-Dichloroethylene	2	U
P6R2E	8084	4/3/2013	4/12/2013	1,2-Dichloroethane	2	U
P6R2E	8084	4/3/2013	4/12/2013	Carbon Tetrachloride	2	74.88
P6R2E	8084	4/3/2013	4/12/2013	Chlorobenzene	2	U
P6R2E	8084	4/3/2013	4/12/2013	Chloroform	2	4.72
P6R2E	8084	4/3/2013	4/12/2013	Methylene Chloride	2	1.38 J

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P6R2E	8084	4/3/2013	4/12/2013	Toluene	2	0.48 J
P6R2E	8135	4/17/2013	4/25/2013	1,1,1-Trichloroethane	6	66.72
P6R2E	8135	4/17/2013	4/25/2013	1,1,2,2-Tetrachloroethane	6	U
P6R2E	8135	4/17/2013	4/25/2013	1,1-Dichloroethylene	6	U
P6R2E	8135	4/17/2013	4/25/2013	1,2-Dichloroethane	6	U
P6R2E	8135	4/17/2013	4/25/2013	Carbon Tetrachloride	6	219.90
P6R2E	8135	4/17/2013	4/25/2013	Chlorobenzene	6	U
P6R2E	8135	4/17/2013	4/25/2013	Chloroform	6	13.08
P6R2E	8135	4/17/2013	4/25/2013	Methylene Chloride	6	3.66 J
P6R2E	8135	4/17/2013	4/25/2013	Toluene	6	1.14 J
P6R2E	8158	5/1/2013	5/9/2013	1,1,1-Trichloroethane	3	52.02
P6R2E	8158	5/1/2013	5/9/2013	1,1,2,2-Tetrachloroethane	3	U
P6R2E	8158	5/1/2013	5/9/2013	1,1-Dichloroethylene	3	U
P6R2E	8158	5/1/2013	5/9/2013	1,2-Dichloroethane	3	U
P6R2E	8158	5/1/2013	5/9/2013	Carbon Tetrachloride	3	159.12
P6R2E	8158	5/1/2013	5/9/2013	Chlorobenzene	3	U
P6R2E	8158	5/1/2013	5/9/2013	Chloroform	3	9.54
P6R2E	8158	5/1/2013	5/9/2013	Methylene Chloride	3	2.79 J
P6R2E	8158	5/1/2013	5/9/2013	Toluene	3	0.96 J
P6R2E	8209	5/14/2013	5/29/2013	1,1,1-Trichloroethane	9	107.46
P6R2E	8209	5/14/2013	5/29/2013	1,1,2,2-Tetrachloroethane	9	U
P6R2E	8209	5/14/2013	5/29/2013	1,1-Dichloroethylene	9	U
P6R2E	8209	5/14/2013	5/29/2013	1,2-Dichloroethane	9	U
P6R2E	8209	5/14/2013	5/29/2013	Carbon Tetrachloride	9	344.34
P6R2E	8209	5/14/2013	5/29/2013	Chlorobenzene	9	U
P6R2E	8209	5/14/2013	5/29/2013	Chloroform	9	19.89
P6R2E	8209	5/14/2013	5/29/2013	Methylene Chloride	9	5.94 J

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R2E	8209	5/14/2013	5/29/2013	Toluene	9	1.26 J
P6R2E	8230	5/29/2013	6/6/2013	1,1,1-Trichloroethane	6	94.32
P6R2E	8230	5/29/2013	6/6/2013	1,1,2,2-Tetrachloroethane	6	U
P6R2E	8230	5/29/2013	6/6/2013	1,1-Dichloroethylene	6	U
P6R2E	8230	5/29/2013	6/6/2013	1,2-Dichloroethane	6	U
P6R2E	8230	5/29/2013	6/6/2013	Carbon Tetrachloride	6	319.56
P6R2E	8230	5/29/2013	6/6/2013	Chlorobenzene	6	U
P6R2E	8230	5/29/2013	6/6/2013	Chloroform	6	18.24
P6R2E	8230	5/29/2013	6/6/2013	Methylene Chloride	6	3.96 J
P6R2E	8230	5/29/2013	6/6/2013	Toluene	6	0.90 J
P6R2E	8283	6/10/2013	6/22/2013	1,1,1-Trichloroethane	4	60.40
P6R2E	8283	6/10/2013	6/22/2013	1,1,2,2-Tetrachloroethane	4	U
P6R2E	8283	6/10/2013	6/22/2013	1,1-Dichloroethylene	4	U
P6R2E	8283	6/10/2013	6/22/2013	1,2-Dichloroethane	4	U
P6R2E	8283	6/10/2013	6/22/2013	Carbon Tetrachloride	4	192.32
P6R2E	8283	6/10/2013	6/22/2013	Chlorobenzene	4	U
P6R2E	8283	6/10/2013	6/22/2013	Chloroform	4	11.96
P6R2E	8283	6/10/2013	6/22/2013	Methylene Chloride	4	2.72 J
P6R2E	8283	6/10/2013	6/22/2013	Toluene	4	0.92 J
P6R2E	8304	6/26/2013	7/13/2013	1,1,1-Trichloroethane	1	3.51
P6R2E	8304	6/26/2013	7/13/2013	1,1,2,2-Tetrachloroethane	1	U
P6R2E	8304	6/26/2013	7/13/2013	1,1-Dichloroethylene	1	U
P6R2E	8304	6/26/2013	7/13/2013	1,2-Dichloroethane	1	U
P6R2E	8304	6/26/2013	7/13/2013	Carbon Tetrachloride	1	9.30
P6R2E	8304	6/26/2013	7/13/2013	Chlorobenzene	1	U
P6R2E	8304	6/26/2013	7/13/2013	Chloroform	1	0.40 J
P6R2E	8304	6/26/2013	7/13/2013	Methylene Chloride	1	0.33 J

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R2E	8304	6/26/2013	7/13/2013	Toluene	1	0.38 J
P6R3E	7862	1/8/2013	1/17/2013	1,1,1-Trichloroethane	1	4.49
P6R3E	7862	1/8/2013	1/17/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3E	7862	1/8/2013	1/17/2013	1,1-Dichloroethylene	1	U
P6R3E	7862	1/8/2013	1/17/2013	1,2-Dichloroethane	1	U
P6R3E	7862	1/8/2013	1/17/2013	Carbon Tetrachloride	1	12.64
P6R3E	7862	1/8/2013	1/17/2013	Chlorobenzene	1	U
P6R3E	7862	1/8/2013	1/17/2013	Chloroform	1	0.79 J
P6R3E	7862	1/8/2013	1/17/2013	Methylene Chloride	1	0.34 J
P6R3E	7862	1/8/2013	1/17/2013	Toluene	1	0.23 J
P6R3E	7909	1/22/2013	2/1/2013	1,1,1-Trichloroethane	1	1.01
P6R3E	7909	1/22/2013	2/1/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3E	7909	1/22/2013	2/1/2013	1,1-Dichloroethylene	1	U
P6R3E	7909	1/22/2013	2/1/2013	1,2-Dichloroethane	1	U
P6R3E	7909	1/22/2013	2/1/2013	Carbon Tetrachloride	1	3.53
P6R3E	7909	1/22/2013	2/1/2013	Chlorobenzene	1	U
P6R3E	7909	1/22/2013	2/1/2013	Chloroform	1	0.34 J
P6R3E	7909	1/22/2013	2/1/2013	Methylene Chloride	1	0.25 J
P6R3E	7909	1/22/2013	2/1/2013	Toluene	1	1.12
P6R3E	7947	2/5/2013	2/15/2013	1,1,1-Trichloroethane	1	0.21 J
P6R3E	7947	2/5/2013	2/15/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3E	7947	2/5/2013	2/15/2013	1,1-Dichloroethylene	1	U
P6R3E	7947	2/5/2013	2/15/2013	1,2-Dichloroethane	1	U
P6R3E	7947	2/5/2013	2/15/2013	Carbon Tetrachloride	1	0.77 J
P6R3E	7947	2/5/2013	2/15/2013	Chlorobenzene	1	U
P6R3E	7947	2/5/2013	2/15/2013	Chloroform	1	U
P6R3E	7947	2/5/2013	2/15/2013	Methylene Chloride	1	0.16 J

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R3E	7947	2/5/2013	2/15/2013	Toluene	1	0.57 J
P6R3E	7987	2/19/2013	2/28/2013	1,1,1-Trichloroethane	1	0.18 J
P6R3E	7987	2/19/2013	2/28/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3E	7987	2/19/2013	2/28/2013	1,1-Dichloroethylene	1	U
P6R3E	7987	2/19/2013	2/28/2013	1,2-Dichloroethane	1	U
P6R3E	7987	2/19/2013	2/28/2013	Carbon Tetrachloride	1	0.44 J
P6R3E	7987	2/19/2013	2/28/2013	Chlorobenzene	1	U
P6R3E	7987	2/19/2013	2/28/2013	Chloroform	1	0.06 J
P6R3E	7987	2/19/2013	2/28/2013	Methylene Chloride	1	0.12 J
P6R3E	7987	2/19/2013	2/28/2013	Toluene	1	0.15 J
P6R3E	8019	3/5/2013	3/13/2013	1,1,1-Trichloroethane	1	U
P6R3E	8019	3/5/2013	3/13/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3E	8019	3/5/2013	3/13/2013	1,1-Dichloroethylene	1	U
P6R3E	8019	3/5/2013	3/13/2013	1,2-Dichloroethane	1	U
P6R3E	8019	3/5/2013	3/13/2013	Carbon Tetrachloride	1	0.27 J
P6R3E	8019	3/5/2013	3/13/2013	Chlorobenzene	1	U
P6R3E	8019	3/5/2013	3/13/2013	Chloroform	1	U
P6R3E	8019	3/5/2013	3/13/2013	Methylene Chloride	1	0.10 J
P6R3E	8019	3/5/2013	3/13/2013	Toluene	1	0.08 J
P6R3E	8059	3/19/2013	3/26/2013	1,1,1-Trichloroethane	1	0.27 J
P6R3E	8059	3/19/2013	3/26/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3E	8059	3/19/2013	3/26/2013	1,1-Dichloroethylene	1	U
P6R3E	8059	3/19/2013	3/26/2013	1,2-Dichloroethane	1	U
P6R3E	8059	3/19/2013	3/26/2013	Carbon Tetrachloride	1	1.07
P6R3E	8059	3/19/2013	3/26/2013	Chlorobenzene	1	U
P6R3E	8059	3/19/2013	3/26/2013	Chloroform	1	0.17 J
P6R3E	8059	3/19/2013	3/26/2013	Methylene Chloride	1	0.17 J

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R3E	8059	3/19/2013	3/26/2013	Toluene	1	0.61 J
P6R3E	8081	4/2/2013	4/12/2013	1,1,1-Trichloroethane	1	0.19 J
P6R3E	8081	4/2/2013	4/12/2013	1,1,2,2-Tetrachloroethane	1	0.07 J
P6R3E	8081	4/2/2013	4/12/2013	1,1-Dichloroethylene	1	U
P6R3E	8081	4/2/2013	4/12/2013	1,2-Dichloroethane	1	U
P6R3E	8081	4/2/2013	4/12/2013	Carbon Tetrachloride	1	0.49 J
P6R3E	8081	4/2/2013	4/12/2013	Chlorobenzene	1	U
P6R3E	8081	4/2/2013	4/12/2013	Chloroform	1	U
P6R3E	8081	4/2/2013	4/12/2013	Methylene Chloride	1	0.16 J
P6R3E	8081	4/2/2013	4/12/2013	Toluene	1	0.37 J
P6R3E	8131	4/16/2013	4/24/2013	1,1,1-Trichloroethane	1	1.23
P6R3E	8131	4/16/2013	4/24/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3E	8131	4/16/2013	4/24/2013	1,1-Dichloroethylene	1	U
P6R3E	8131	4/16/2013	4/24/2013	1,2-Dichloroethane	1	U
P6R3E	8131	4/16/2013	4/24/2013	Carbon Tetrachloride	1	3.51
P6R3E	8131	4/16/2013	4/24/2013	Chlorobenzene	1	U
P6R3E	8131	4/16/2013	4/24/2013	Chloroform	1	0.26 J
P6R3E	8131	4/16/2013	4/24/2013	Methylene Chloride	1	0.34 J
P6R3E	8131	4/16/2013	4/24/2013	Toluene	1	0.50 J
P6R3E	8155	4/30/2013	5/8/2013	1,1,1-Trichloroethane	1	1.36
P6R3E	8155	4/30/2013	5/8/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3E	8155	4/30/2013	5/8/2013	1,1-Dichloroethylene	1	U
P6R3E	8155	4/30/2013	5/8/2013	1,2-Dichloroethane	1	U
P6R3E	8155	4/30/2013	5/8/2013	Carbon Tetrachloride	1	3.61
P6R3E	8155	4/30/2013	5/8/2013	Chlorobenzene	1	U
P6R3E	8155	4/30/2013	5/8/2013	Chloroform	1	0.41 J
P6R3E	8155	4/30/2013	5/8/2013	Methylene Chloride	1	0.47 J

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P6R3E	8155	4/30/2013	5/8/2013	Toluene	1	0.29 J
P6R3E	8206	5/13/2013	5/28/2013	1,1,1-Trichloroethane	1	4.25
P6R3E	8206	5/13/2013	5/28/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3E	8206	5/13/2013	5/28/2013	1,1-Dichloroethylene	1	U
P6R3E	8206	5/13/2013	5/28/2013	1,2-Dichloroethane	1	U
P6R3E	8206	5/13/2013	5/28/2013	Carbon Tetrachloride	1	9.50
P6R3E	8206	5/13/2013	5/28/2013	Chlorobenzene	1	U
P6R3E	8206	5/13/2013	5/28/2013	Chloroform	1	0.50 J
P6R3E	8206	5/13/2013	5/28/2013	Methylene Chloride	1	0.74 J
P6R3E	8206	5/13/2013	5/28/2013	Toluene	1	0.56 J
P6R3E	8226	5/28/2013	6/5/2013	1,1,1-Trichloroethane	1	4.92
P6R3E	8226	5/28/2013	6/5/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3E	8226	5/28/2013	6/5/2013	1,1-Dichloroethylene	1	U
P6R3E	8226	5/28/2013	6/5/2013	1,2-Dichloroethane	1	U
P6R3E	8226	5/28/2013	6/5/2013	Carbon Tetrachloride	1	12.40
P6R3E	8226	5/28/2013	6/5/2013	Chlorobenzene	1	U
P6R3E	8226	5/28/2013	6/5/2013	Chloroform	1	1.56
P6R3E	8226	5/28/2013	6/5/2013	Methylene Chloride	1	0.64 J
P6R3E	8226	5/28/2013	6/5/2013	Toluene	1	0.55 J
P6R3E	8279	6/9/2013	6/21/2013	1,1,1-Trichloroethane	1	1.87
P6R3E	8279	6/9/2013	6/21/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3E	8279	6/9/2013	6/21/2013	1,1-Dichloroethylene	1	U
P6R3E	8279	6/9/2013	6/21/2013	1,2-Dichloroethane	1	U
P6R3E	8279	6/9/2013	6/21/2013	Carbon Tetrachloride	1	4.84
P6R3E	8279	6/9/2013	6/21/2013	Chlorobenzene	1	U
P6R3E	8279	6/9/2013	6/21/2013	Chloroform	1	0.49 J
P6R3E	8279	6/9/2013	6/21/2013	Methylene Chloride	1	0.52 J

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R3E	8279	6/9/2013	6/21/2013	Toluene	1	0.40 J
P6R3E	8300	6/25/2013	7/12/2013	1,1,1-Trichloroethane	12	280.20
P6R3E	8300	6/25/2013	7/12/2013	1,1,2,2-Tetrachloroethane	12	U
P6R3E	8300	6/25/2013	7/12/2013	1,1-Dichloroethylene	12	U
P6R3E	8300	6/25/2013	7/12/2013	1,2-Dichloroethane	12	U
P6R3E	8300	6/25/2013	7/12/2013	Carbon Tetrachloride	12	741.36
P6R3E	8300	6/25/2013	7/12/2013	Chlorobenzene	12	U
P6R3E	8300	6/25/2013	7/12/2013	Chloroform	12	22.68
P6R3E	8300	6/25/2013	7/12/2013	Methylene Chloride	12	20.76
P6R3E	8300	6/25/2013	7/12/2013	Toluene	12	5.64 J
P6R3I	8305	6/25/2013	7/13/2013	1,1,1-Trichloroethane	1	5.18
P6R3I	8305	6/25/2013	7/13/2013	1,1,2,2-Tetrachloroethane	1	U
P6R3I	8305	6/25/2013	7/13/2013	1,1-Dichloroethylene	1	U
P6R3I	8305	6/25/2013	7/13/2013	1,2-Dichloroethane	1	0.22 J
P6R3I	8305	6/25/2013	7/13/2013	Carbon Tetrachloride	1	40.37
P6R3I	8305	6/25/2013	7/13/2013	Chlorobenzene	1	U
P6R3I	8305	6/25/2013	7/13/2013	Chloroform	1	4.39
P6R3I	8305	6/25/2013	7/13/2013	Methylene Chloride	1	1.42
P6R3I	8305	6/25/2013	7/13/2013	Toluene	1	0.55 J
P6R4E	7848	1/2/2013	1/10/2013	1,1,1-Trichloroethane	243	3,572.10
P6R4E	7848	1/2/2013	1/10/2013	1,1,2,2-Tetrachloroethane	243	U
P6R4E	7848	1/2/2013	1/10/2013	1,1-Dichloroethylene	243	U
P6R4E	7848	1/2/2013	1/10/2013	1,2-Dichloroethane	243	U
P6R4E	7848	1/2/2013	1/10/2013	Carbon Tetrachloride	243	10,864.53
P6R4E	7848	1/2/2013	1/10/2013	Chlorobenzene	243	U
P6R4E	7848	1/2/2013	1/10/2013	Chloroform	243	580.77

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R4E	7848	1/2/2013	1/10/2013	Methylene Chloride	243	262.44
P6R4E	7848	1/2/2013	1/10/2013	Toluene	243	24.30 J
P6R4E	7885	1/16/2013	1/23/2013	1,1,1-Trichloroethane	162	2,703.78
P6R4E	7885	1/16/2013	1/23/2013	1,1,2,2-Tetrachloroethane	162	U
P6R4E	7885	1/16/2013	1/23/2013	1,1-Dichloroethylene	162	U
P6R4E	7885	1/16/2013	1/23/2013	1,2-Dichloroethane	162	U
P6R4E	7885	1/16/2013	1/23/2013	Carbon Tetrachloride	162	7,354.80
P6R4E	7885	1/16/2013	1/23/2013	Chlorobenzene	162	U
P6R4E	7885	1/16/2013	1/23/2013	Chloroform	162	408.24
P6R4E	7885	1/16/2013	1/23/2013	Methylene Chloride	162	268.92
P6R4E	7885	1/16/2013	1/23/2013	Toluene	162	21.06 J
P6R4E	7925	1/30/2013	2/8/2013	1,1,1-Trichloroethane	121.5	2,378.97
P6R4E	7925	1/30/2013	2/8/2013	1,1,2,2-Tetrachloroethane	121.5	U
P6R4E	7925	1/30/2013	2/8/2013	1,1-Dichloroethylene	121.5	U
P6R4E	7925	1/30/2013	2/8/2013	1,2-Dichloroethane	121.5	U
P6R4E	7925	1/30/2013	2/8/2013	Carbon Tetrachloride	121.5	6,559.79
P6R4E	7925	1/30/2013	2/8/2013	Chlorobenzene	121.5	U
P6R4E	7925	1/30/2013	2/8/2013	Chloroform	121.5	386.37
P6R4E	7925	1/30/2013	2/8/2013	Methylene Chloride	121.5	286.74
P6R4E	7925	1/30/2013	2/8/2013	Toluene	121.5	41.31 J
P6R4E	7976	2/13/2013	2/20/2013	1,1,1-Trichloroethane	108	2,237.76
P6R4E	7976	2/13/2013	2/20/2013	1,1,2,2-Tetrachloroethane	108	U
P6R4E	7976	2/13/2013	2/20/2013	1,1-Dichloroethylene	108	8.64 J
P6R4E	7976	2/13/2013	2/20/2013	1,2-Dichloroethane	108	U
P6R4E	7976	2/13/2013	2/20/2013	Carbon Tetrachloride	108	6,097.68
P6R4E	7976	2/13/2013	2/20/2013	Chlorobenzene	108	U
P6R4E	7976	2/13/2013	2/20/2013	Chloroform	108	356.40

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R4E	7976	2/13/2013	2/20/2013	Methylene Chloride	108	241.92
P6R4E	7976	2/13/2013	2/20/2013	Toluene	108	27.00 J
P6R4E	7998	2/27/2013	3/5/2013	1,1,1-Trichloroethane	1	12.54
P6R4E	7998	2/27/2013	3/5/2013	1,1,2,2-Tetrachloroethane	1	U
P6R4E	7998	2/27/2013	3/5/2013	1,1-Dichloroethylene	1	U
P6R4E	7998	2/27/2013	3/5/2013	1,2-Dichloroethane	1	U
P6R4E	7998	2/27/2013	3/5/2013	Carbon Tetrachloride	1	38.23
P6R4E	7998	2/27/2013	3/5/2013	Chlorobenzene	1	U
P6R4E	7998	2/27/2013	3/5/2013	Chloroform	1	1.89
P6R4E	7998	2/27/2013	3/5/2013	Methylene Chloride	1	0.95 J
P6R4E	7998	2/27/2013	3/5/2013	Toluene	1	0.21 J
P6R4E	8049	3/13/2013	3/20/2013	1,1,1-Trichloroethane	54	897.48
P6R4E	8049	3/13/2013	3/20/2013	1,1,2,2-Tetrachloroethane	54	U
P6R4E	8049	3/13/2013	3/20/2013	1,1-Dichloroethylene	54	U
P6R4E	8049	3/13/2013	3/20/2013	1,2-Dichloroethane	54	U
P6R4E	8049	3/13/2013	3/20/2013	Carbon Tetrachloride	54	2,525.04
P6R4E	8049	3/13/2013	3/20/2013	Chlorobenzene	54	U
P6R4E	8049	3/13/2013	3/20/2013	Chloroform	54	122.58
P6R4E	8049	3/13/2013	3/20/2013	Methylene Chloride	54	139.32
P6R4E	8049	3/13/2013	3/20/2013	Toluene	54	10.26 J
P6R4E	8071	3/26/2013	4/3/2013	1,1,1-Trichloroethane	108	1,838.16
P6R4E	8071	3/26/2013	4/3/2013	1,1,2,2-Tetrachloroethane	108	U
P6R4E	8071	3/26/2013	4/3/2013	1,1-Dichloroethylene	108	U
P6R4E	8071	3/26/2013	4/3/2013	1,2-Dichloroethane	108	U
P6R4E	8071	3/26/2013	4/3/2013	Carbon Tetrachloride	108	5,034.96
P6R4E	8071	3/26/2013	4/3/2013	Chlorobenzene	108	U
P6R4E	8071	3/26/2013	4/3/2013	Chloroform	108	252.72

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R4E	8071	3/26/2013	4/3/2013	Methylene Chloride	108	217.08
P6R4E	8071	3/26/2013	4/3/2013	Toluene	108	41.04 J
P6R4E	8124	4/10/2013	4/17/2013	1,1,1-Trichloroethane	54	965.52
P6R4E	8124	4/10/2013	4/17/2013	1,1,2,2-Tetrachloroethane	54	U
P6R4E	8124	4/10/2013	4/17/2013	1,1-Dichloroethylene	54	U
P6R4E	8124	4/10/2013	4/17/2013	1,2-Dichloroethane	54	U
P6R4E	8124	4/10/2013	4/17/2013	Carbon Tetrachloride	54	2,626.56
P6R4E	8124	4/10/2013	4/17/2013	Chlorobenzene	54	U
P6R4E	8124	4/10/2013	4/17/2013	Chloroform	54	153.36
P6R4E	8124	4/10/2013	4/17/2013	Methylene Chloride	54	160.92
P6R4E	8124	4/10/2013	4/17/2013	Toluene	54	22.14 J
P6R4E	8143	4/24/2013	4/29/2013	1,1,1-Trichloroethane	54	1,013.58
P6R4E	8143	4/24/2013	4/29/2013	1,1,2,2-Tetrachloroethane	54	U
P6R4E	8143	4/24/2013	4/29/2013	1,1-Dichloroethylene	54	U
P6R4E	8143	4/24/2013	4/29/2013	1,2-Dichloroethane	54	U
P6R4E	8143	4/24/2013	4/29/2013	Carbon Tetrachloride	54	2,680.02
P6R4E	8143	4/24/2013	4/29/2013	Chlorobenzene	54	U
P6R4E	8143	4/24/2013	4/29/2013	Chloroform	54	154.98
P6R4E	8143	4/24/2013	4/29/2013	Methylene Chloride	54	161.46
P6R4E	8143	4/24/2013	4/29/2013	Toluene	54	21.60 J
P6R4E	8183	5/8/2013	5/20/2013	1,1,1-Trichloroethane	54	953.64
P6R4E	8183	5/8/2013	5/20/2013	1,1,2,2-Tetrachloroethane	54	U
P6R4E	8183	5/8/2013	5/20/2013	1,1-Dichloroethylene	54	U
P6R4E	8183	5/8/2013	5/20/2013	1,2-Dichloroethane	54	U
P6R4E	8183	5/8/2013	5/20/2013	Carbon Tetrachloride	54	2,646.00
P6R4E	8183	5/8/2013	5/20/2013	Chlorobenzene	54	U
P6R4E	8183	5/8/2013	5/20/2013	Chloroform	54	157.14

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R4E	8183	5/8/2013	5/20/2013	Methylene Chloride	54	181.44
P6R4E	8183	5/8/2013	5/20/2013	Toluene	54	21.06 J
P6R4E	8217	5/22/2013	6/3/2013	1,1,1-Trichloroethane	54	869.94
P6R4E	8217	5/22/2013	6/3/2013	1,1,2,2-Tetrachloroethane	54	U
P6R4E	8217	5/22/2013	6/3/2013	1,1-Dichloroethylene	54	U
P6R4E	8217	5/22/2013	6/3/2013	1,2-Dichloroethane	54	U
P6R4E	8217	5/22/2013	6/3/2013	Carbon Tetrachloride	54	2,395.98
P6R4E	8217	5/22/2013	6/3/2013	Chlorobenzene	54	U
P6R4E	8217	5/22/2013	6/3/2013	Chloroform	54	138.24
P6R4E	8217	5/22/2013	6/3/2013	Methylene Chloride	54	174.96
P6R4E	8217	5/22/2013	6/3/2013	Toluene	54	19.44 J
P6R4E	8242	6/4/2013	6/13/2013	1,1,1-Trichloroethane	13.5	265.14
P6R4E	8242	6/4/2013	6/13/2013	1,1,2,2-Tetrachloroethane	13.5	U
P6R4E	8242	6/4/2013	6/13/2013	1,1-Dichloroethylene	13.5	1.62 J
P6R4E	8242	6/4/2013	6/13/2013	1,2-Dichloroethane	13.5	U
P6R4E	8242	6/4/2013	6/13/2013	Carbon Tetrachloride	13.5	618.84
P6R4E	8242	6/4/2013	6/13/2013	Chlorobenzene	13.5	U
P6R4E	8242	6/4/2013	6/13/2013	Chloroform	13.5	46.31
P6R4E	8242	6/4/2013	6/13/2013	Methylene Chloride	13.5	125.96
P6R4E	8242	6/4/2013	6/13/2013	Toluene	13.5	17.15
P6R4E	8293	6/19/2013	7/11/2013	1,1,1-Trichloroethane	12	239.40
P6R4E	8293	6/19/2013	7/11/2013	1,1,2,2-Tetrachloroethane	12	U
P6R4E	8293	6/19/2013	7/11/2013	1,1-Dichloroethylene	12	U
P6R4E	8293	6/19/2013	7/11/2013	1,2-Dichloroethane	12	U
P6R4E	8293	6/19/2013	7/11/2013	Carbon Tetrachloride	12	650.76
P6R4E	8293	6/19/2013	7/11/2013	Chlorobenzene	12	U
P6R4E	8293	6/19/2013	7/11/2013	Chloroform	12	33.12

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R4E	8293	6/19/2013	7/11/2013	Methylene Chloride	12	5.88 J
P6R4E	8293	6/19/2013	7/11/2013	Toluene	12	1.32 J
P6R4I	7849	1/2/2013	1/10/2013	1,1,1-Trichloroethane	121.5	2,269.62
P6R4I	7849	1/2/2013	1/10/2013	1,1,2,2-Tetrachloroethane	121.5	U
P6R4I	7849	1/2/2013	1/10/2013	1,1-Dichloroethylene	121.5	U
P6R4I	7849	1/2/2013	1/10/2013	1,2-Dichloroethane	121.5	U
P6R4I	7849	1/2/2013	1/10/2013	Carbon Tetrachloride	121.5	5,904.90
P6R4I	7849	1/2/2013	1/10/2013	Chlorobenzene	121.5	U
P6R4I	7849	1/2/2013	1/10/2013	Chloroform	121.5	306.18
P6R4I	7849	1/2/2013	1/10/2013	Methylene Chloride	121.5	137.30
P6R4I	7849	1/2/2013	1/10/2013	Toluene	121.5	13.37 J
P6R4I	7886	1/16/2013	1/23/2013	1,1,1-Trichloroethane	162	2,556.36
P6R4I	7886	1/16/2013	1/23/2013	1,1,2,2-Tetrachloroethane	162	U
P6R4I	7886	1/16/2013	1/23/2013	1,1-Dichloroethylene	162	U
P6R4I	7886	1/16/2013	1/23/2013	1,2-Dichloroethane	162	U
P6R4I	7886	1/16/2013	1/23/2013	Carbon Tetrachloride	162	7,051.86
P6R4I	7886	1/16/2013	1/23/2013	Chlorobenzene	162	U
P6R4I	7886	1/16/2013	1/23/2013	Chloroform	162	387.18
P6R4I	7886	1/16/2013	1/23/2013	Methylene Chloride	162	149.04 J
P6R4I	7886	1/16/2013	1/23/2013	Toluene	162	14.58 J
P6R4I	7924	1/30/2013	2/8/2013	1,1,1-Trichloroethane	108	1,762.56
P6R4I	7924	1/30/2013	2/8/2013	1,1,2,2-Tetrachloroethane	108	U
P6R4I	7924	1/30/2013	2/8/2013	1,1-Dichloroethylene	108	U
P6R4I	7924	1/30/2013	2/8/2013	1,2-Dichloroethane	108	U
P6R4I	7924	1/30/2013	2/8/2013	Carbon Tetrachloride	108	4,991.76
P6R4I	7924	1/30/2013	2/8/2013	Chlorobenzene	108	U
P6R4I	7924	1/30/2013	2/8/2013	Chloroform	108	287.28

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P6R4I	7924	1/30/2013	2/8/2013	Methylene Chloride	108	135.00
P6R4I	7924	1/30/2013	2/8/2013	Toluene	108	21.60 J
P6R4I	7977	2/13/2013	2/20/2013	1,1,1-Trichloroethane	121.5	2,117.75
P6R4I	7977	2/13/2013	2/20/2013	1,1,2,2-Tetrachloroethane	121.5	U
P6R4I	7977	2/13/2013	2/20/2013	1,1-Dichloroethylene	121.5	U
P6R4I	7977	2/13/2013	2/20/2013	1,2-Dichloroethane	121.5	U
P6R4I	7977	2/13/2013	2/20/2013	Carbon Tetrachloride	121.5	5,946.21
P6R4I	7977	2/13/2013	2/20/2013	Chlorobenzene	121.5	U
P6R4I	7977	2/13/2013	2/20/2013	Chloroform	121.5	330.48
P6R4I	7977	2/13/2013	2/20/2013	Methylene Chloride	121.5	119.07 J
P6R4I	7977	2/13/2013	2/20/2013	Toluene	121.5	15.80 J
P6R4I	7999	2/27/2013	3/5/2013	1,1,1-Trichloroethane	40.5	680.40
P6R4I	7999	2/27/2013	3/5/2013	1,1,2,2-Tetrachloroethane	40.5	U
P6R4I	7999	2/27/2013	3/5/2013	1,1-Dichloroethylene	40.5	U
P6R4I	7999	2/27/2013	3/5/2013	1,2-Dichloroethane	40.5	U
P6R4I	7999	2/27/2013	3/5/2013	Carbon Tetrachloride	40.5	1,929.42
P6R4I	7999	2/27/2013	3/5/2013	Chlorobenzene	40.5	U
P6R4I	7999	2/27/2013	3/5/2013	Chloroform	40.5	93.56
P6R4I	7999	2/27/2013	3/5/2013	Methylene Chloride	40.5	45.77
P6R4I	7999	2/27/2013	3/5/2013	Toluene	40.5	4.86 J
P6R4I	8050	3/13/2013	3/21/2013	1,1,1-Trichloroethane	108	2,086.56
P6R4I	8050	3/13/2013	3/21/2013	1,1,2,2-Tetrachloroethane	108	U
P6R4I	8050	3/13/2013	3/21/2013	1,1-Dichloroethylene	108	U
P6R4I	8050	3/13/2013	3/21/2013	1,2-Dichloroethane	108	U
P6R4I	8050	3/13/2013	3/21/2013	Carbon Tetrachloride	108	6,194.88
P6R4I	8050	3/13/2013	3/21/2013	Chlorobenzene	108	U
P6R4I	8050	3/13/2013	3/21/2013	Chloroform	108	278.64

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P6R4I	8050	3/13/2013	3/21/2013	Methylene Chloride	108	142.56
P6R4I	8050	3/13/2013	3/21/2013	Toluene	108	12.96 J
P6R4I	8070	3/26/2013	4/3/2013	1,1,1-Trichloroethane	81	1,085.40
P6R4I	8070	3/26/2013	4/3/2013	1,1,2,2-Tetrachloroethane	81	U
P6R4I	8070	3/26/2013	4/3/2013	1,1-Dichloroethylene	81	U
P6R4I	8070	3/26/2013	4/3/2013	1,2-Dichloroethane	81	U
P6R4I	8070	3/26/2013	4/3/2013	Carbon Tetrachloride	81	3,123.36
P6R4I	8070	3/26/2013	4/3/2013	Chlorobenzene	81	U
P6R4I	8070	3/26/2013	4/3/2013	Chloroform	81	151.47
P6R4I	8070	3/26/2013	4/3/2013	Methylene Chloride	81	62.37 J
P6R4I	8070	3/26/2013	4/3/2013	Toluene	81	17.01 J
P6R4I	8122	4/10/2013	4/17/2013	1,1,1-Trichloroethane	40.5	622.08
P6R4I	8122	4/10/2013	4/17/2013	1,1,2,2-Tetrachloroethane	40.5	U
P6R4I	8122	4/10/2013	4/17/2013	1,1-Dichloroethylene	40.5	U
P6R4I	8122	4/10/2013	4/17/2013	1,2-Dichloroethane	40.5	U
P6R4I	8122	4/10/2013	4/17/2013	Carbon Tetrachloride	40.5	1,763.37
P6R4I	8122	4/10/2013	4/17/2013	Chlorobenzene	40.5	U
P6R4I	8122	4/10/2013	4/17/2013	Chloroform	40.5	98.01
P6R4I	8122	4/10/2013	4/17/2013	Methylene Chloride	40.5	42.93
P6R4I	8122	4/10/2013	4/17/2013	Toluene	40.5	8.51 J
P6R4I	8144	4/24/2013	4/29/2013	1,1,1-Trichloroethane	27	443.88
P6R4I	8144	4/24/2013	4/29/2013	1,1,2,2-Tetrachloroethane	27	U
P6R4I	8144	4/24/2013	4/29/2013	1,1-Dichloroethylene	27	U
P6R4I	8144	4/24/2013	4/29/2013	1,2-Dichloroethane	27	U
P6R4I	8144	4/24/2013	4/29/2013	Carbon Tetrachloride	27	1,236.33
P6R4I	8144	4/24/2013	4/29/2013	Chlorobenzene	27	U
P6R4I	8144	4/24/2013	4/29/2013	Chloroform	27	68.04

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R4I	8144	4/24/2013	4/29/2013	Methylene Chloride	27	27.81
P6R4I	8144	4/24/2013	4/29/2013	Toluene	27	4.59 J
P6R4I	8184	5/8/2013	5/20/2013	1,1,1-Trichloroethane	27	436.05
P6R4I	8184	5/8/2013	5/20/2013	1,1,2,2-Tetrachloroethane	27	U
P6R4I	8184	5/8/2013	5/20/2013	1,1-Dichloroethylene	27	U
P6R4I	8184	5/8/2013	5/20/2013	1,2-Dichloroethane	27	U
P6R4I	8184	5/8/2013	5/20/2013	Carbon Tetrachloride	27	1,288.44
P6R4I	8184	5/8/2013	5/20/2013	Chlorobenzene	27	U
P6R4I	8184	5/8/2013	5/20/2013	Chloroform	27	70.74
P6R4I	8184	5/8/2013	5/20/2013	Methylene Chloride	27	44.55
P6R4I	8184	5/8/2013	5/20/2013	Toluene	27	5.67 J
P6R4I	8219	5/22/2013	6/3/2013	1,1,1-Trichloroethane	27	541.08
P6R4I	8219	5/22/2013	6/3/2013	1,1,2,2-Tetrachloroethane	27	U
P6R4I	8219	5/22/2013	6/3/2013	1,1-Dichloroethylene	27	U
P6R4I	8219	5/22/2013	6/3/2013	1,2-Dichloroethane	27	U
P6R4I	8219	5/22/2013	6/3/2013	Carbon Tetrachloride	27	1,597.59
P6R4I	8219	5/22/2013	6/3/2013	Chlorobenzene	27	U
P6R4I	8219	5/22/2013	6/3/2013	Chloroform	27	85.59
P6R4I	8219	5/22/2013	6/3/2013	Methylene Chloride	27	44.82
P6R4I	8219	5/22/2013	6/3/2013	Toluene	27	6.21 J
P6R4I	8240	6/4/2013	6/12/2013	1,1,1-Trichloroethane	9	133.74
P6R4I	8240	6/4/2013	6/12/2013	1,1,2,2-Tetrachloroethane	9	U
P6R4I	8240	6/4/2013	6/12/2013	1,1-Dichloroethylene	9	U
P6R4I	8240	6/4/2013	6/12/2013	1,2-Dichloroethane	9	U
P6R4I	8240	6/4/2013	6/12/2013	Carbon Tetrachloride	9	361.26
P6R4I	8240	6/4/2013	6/12/2013	Chlorobenzene	9	U
P6R4I	8240	6/4/2013	6/12/2013	Chloroform	9	22.68

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R4I	8240	6/4/2013	6/12/2013	Methylene Chloride	9	9.81
P6R4I	8240	6/4/2013	6/12/2013	Toluene	9	2.88 J
P6R4I	8292	6/19/2013	7/10/2013	1,1,1-Trichloroethane	4	75.12
P6R4I	8292	6/19/2013	7/10/2013	1,1,2,2-Tetrachloroethane	4	U
P6R4I	8292	6/19/2013	7/10/2013	1,1-Dichloroethylene	4	U
P6R4I	8292	6/19/2013	7/10/2013	1,2-Dichloroethane	4	U
P6R4I	8292	6/19/2013	7/10/2013	Carbon Tetrachloride	4	228.64
P6R4I	8292	6/19/2013	7/10/2013	Chlorobenzene	4	U
P6R4I	8292	6/19/2013	7/10/2013	Chloroform	4	12.40
P6R4I	8292	6/19/2013	7/10/2013	Methylene Chloride	4	7.40
P6R4I	8292	6/19/2013	7/10/2013	Toluene	4	1.20 J
P6R5E	7850	1/3/2013	1/10/2013	1,1,1-Trichloroethane	1458	27,104.22
P6R5E	7850	1/3/2013	1/10/2013	1,1,2,2-Tetrachloroethane	1458	U
P6R5E	7850	1/3/2013	1/10/2013	1,1-Dichloroethylene	1458	U
P6R5E	7850	1/3/2013	1/10/2013	1,2-Dichloroethane	1458	U
P6R5E	7850	1/3/2013	1/10/2013	Carbon Tetrachloride	1458	65,624.58
P6R5E	7850	1/3/2013	1/10/2013	Chlorobenzene	1458	U
P6R5E	7850	1/3/2013	1/10/2013	Chloroform	1458	3,455.46
P6R5E	7850	1/3/2013	1/10/2013	Methylene Chloride	1458	772.74 J
P6R5E	7850	1/3/2013	1/10/2013	Toluene	1458	102.06 J
P6R5E	7882	1/15/2013	1/23/2013	1,1,1-Trichloroethane	324	4,863.24
P6R5E	7882	1/15/2013	1/23/2013	1,1,2,2-Tetrachloroethane	324	U
P6R5E	7882	1/15/2013	1/23/2013	1,1-Dichloroethylene	324	U
P6R5E	7882	1/15/2013	1/23/2013	1,2-Dichloroethane	324	U
P6R5E	7882	1/15/2013	1/23/2013	Carbon Tetrachloride	324	13,371.48
P6R5E	7882	1/15/2013	1/23/2013	Chlorobenzene	324	U
P6R5E	7882	1/15/2013	1/23/2013	Chloroform	324	722.52

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R5E	7882	1/15/2013	1/23/2013	Methylene Chloride	324	129.60 J
P6R5E	7882	1/15/2013	1/23/2013	Toluene	324	U
P6R5E	7923	1/29/2013	2/8/2013	1,1,1-Trichloroethane	2916	56,016.36
P6R5E	7923	1/29/2013	2/8/2013	1,1,2,2-Tetrachloroethane	2916	U
P6R5E	7923	1/29/2013	2/8/2013	1,1-Dichloroethylene	2916	U
P6R5E	7923	1/29/2013	2/8/2013	1,2-Dichloroethane	2916	U
P6R5E	7923	1/29/2013	2/8/2013	Carbon Tetrachloride	2916	149,240.88
P6R5E	7923	1/29/2013	2/8/2013	Chlorobenzene	2916	U
P6R5E	7923	1/29/2013	2/8/2013	Chloroform	2916	8,922.96
P6R5E	7923	1/29/2013	2/8/2013	Methylene Chloride	2916	1,778.76 J
P6R5E	7923	1/29/2013	2/8/2013	Toluene	2916	349.92 J
P6R5E	7974	2/12/2013	2/20/2013	1,1,1-Trichloroethane	2916	45,693.72
P6R5E	7974	2/12/2013	2/20/2013	1,1,2,2-Tetrachloroethane	2916	U
P6R5E	7974	2/12/2013	2/20/2013	1,1-Dichloroethylene	2916	U
P6R5E	7974	2/12/2013	2/20/2013	1,2-Dichloroethane	2916	U
P6R5E	7974	2/12/2013	2/20/2013	Carbon Tetrachloride	2916	128,333.16
P6R5E	7974	2/12/2013	2/20/2013	Chlorobenzene	2916	U
P6R5E	7974	2/12/2013	2/20/2013	Chloroform	2916	7,435.80
P6R5E	7974	2/12/2013	2/20/2013	Methylene Chloride	2916	1,516.32 J
P6R5E	7974	2/12/2013	2/20/2013	Toluene	2916	204.12 J
P6R5E	7995 R	2/26/2013	3/5/2013	1,1,1-Trichloroethane	54	957.96
P6R5E	7995 R	2/26/2013	3/5/2013	1,1,2,2-Tetrachloroethane	54	U
P6R5E	7995 R	2/26/2013	3/5/2013	1,1-Dichloroethylene	54	U
P6R5E	7995 R	2/26/2013	3/5/2013	1,2-Dichloroethane	54	U
P6R5E	7995 R	2/26/2013	3/5/2013	Carbon Tetrachloride	54	2,759.40
P6R5E	7995 R	2/26/2013	3/5/2013	Chlorobenzene	54	U
P6R5E	7995 R	2/26/2013	3/5/2013	Chloroform	54	129.06

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R5E	7995 R	2/26/2013	3/5/2013	Methylene Chloride	54	34.02 J
P6R5E	7995 R	2/26/2013	3/5/2013	Toluene	54	U
P6R5E	8046	3/12/2013	3/20/2013	1,1,1-Trichloroethane	2187	44,089.92
P6R5E	8046	3/12/2013	3/20/2013	1,1,2,2-Tetrachloroethane	2187	U
P6R5E	8046	3/12/2013	3/20/2013	1,1-Dichloroethylene	2187	U
P6R5E	8046	3/12/2013	3/20/2013	1,2-Dichloroethane	2187	U
P6R5E	8046	3/12/2013	3/20/2013	Carbon Tetrachloride	2187	120,394.35
P6R5E	8046	3/12/2013	3/20/2013	Chlorobenzene	2187	U
P6R5E	8046	3/12/2013	3/20/2013	Chloroform	2187	5,489.37
P6R5E	8046	3/12/2013	3/20/2013	Methylene Chloride	2187	1,027.89 J
P6R5E	8046	3/12/2013	3/20/2013	Toluene	2187	U
P6R5E	8069	3/25/2013	4/2/2013	1,1,1-Trichloroethane	2916	57,445.20
P6R5E	8069	3/25/2013	4/2/2013	1,1,2,2-Tetrachloroethane	2916	U
P6R5E	8069	3/25/2013	4/2/2013	1,1-Dichloroethylene	2916	U
P6R5E	8069	3/25/2013	4/2/2013	1,2-Dichloroethane	2916	U
P6R5E	8069	3/25/2013	4/2/2013	Carbon Tetrachloride	2916	163,995.84
P6R5E	8069	3/25/2013	4/2/2013	Chlorobenzene	2916	U
P6R5E	8069	3/25/2013	4/2/2013	Chloroform	2916	7,319.16
P6R5E	8069	3/25/2013	4/2/2013	Methylene Chloride	2916	1,487.16 J
P6R5E	8069	3/25/2013	4/2/2013	Toluene	2916	291.60 J
P6R5E	8121	4/9/2013	4/17/2013	1,1,1-Trichloroethane	4374	62,985.60
P6R5E	8121	4/9/2013	4/17/2013	1,1,2,2-Tetrachloroethane	4374	U
P6R5E	8121	4/9/2013	4/17/2013	1,1-Dichloroethylene	4374	U
P6R5E	8121	4/9/2013	4/17/2013	1,2-Dichloroethane	4374	U
P6R5E	8121	4/9/2013	4/17/2013	Carbon Tetrachloride	4374	166,080.78
P6R5E	8121	4/9/2013	4/17/2013	Chlorobenzene	4374	U
P6R5E	8121	4/9/2013	4/17/2013	Chloroform	4374	9,447.84

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R5E	8121	4/9/2013	4/17/2013	Methylene Chloride	4374	1,880.82 J
P6R5E	8121	4/9/2013	4/17/2013	Toluene	4374	393.66 J
P6R5E	8145	4/23/2013	4/29/2013	1,1,1-Trichloroethane	3280.5	48,485.79
P6R5E	8145	4/23/2013	4/29/2013	1,1,2,2-Tetrachloroethane	3280.5	U
P6R5E	8145	4/23/2013	4/29/2013	1,1-Dichloroethylene	3280.5	U
P6R5E	8145	4/23/2013	4/29/2013	1,2-Dichloroethane	3280.5	U
P6R5E	8145	4/23/2013	4/29/2013	Carbon Tetrachloride	3280.5	127,611.45
P6R5E	8145	4/23/2013	4/29/2013	Chlorobenzene	3280.5	U
P6R5E	8145	4/23/2013	4/29/2013	Chloroform	3280.5	7,151.49
P6R5E	8145	4/23/2013	4/29/2013	Methylene Chloride	3280.5	1,476.23 J
P6R5E	8145	4/23/2013	4/29/2013	Toluene	3280.5	328.05 J
P6R5E	8179	5/7/2013	5/20/2013	1,1,1-Trichloroethane	4374	61,935.84
P6R5E	8179	5/7/2013	5/20/2013	1,1,2,2-Tetrachloroethane	4374	U
P6R5E	8179	5/7/2013	5/20/2013	1,1-Dichloroethylene	4374	U
P6R5E	8179	5/7/2013	5/20/2013	1,2-Dichloroethane	4374	U
P6R5E	8179	5/7/2013	5/20/2013	Carbon Tetrachloride	4374	172,335.60
P6R5E	8179	5/7/2013	5/20/2013	Chlorobenzene	4374	U
P6R5E	8179	5/7/2013	5/20/2013	Chloroform	4374	9,928.98
P6R5E	8179	5/7/2013	5/20/2013	Methylene Chloride	4374	2,012.04 J
P6R5E	8179	5/7/2013	5/20/2013	Toluene	4374	437.40 J
P6R5E	8215	5/21/2013	6/3/2013	1,1,1-Trichloroethane	2916	49,630.32
P6R5E	8215	5/21/2013	6/3/2013	1,1,2,2-Tetrachloroethane	2916	U
P6R5E	8215	5/21/2013	6/3/2013	1,1-Dichloroethylene	2916	U
P6R5E	8215	5/21/2013	6/3/2013	1,2-Dichloroethane	2916	U
P6R5E	8215	5/21/2013	6/3/2013	Carbon Tetrachloride	2916	135,389.88
P6R5E	8215	5/21/2013	6/3/2013	Chlorobenzene	2916	U
P6R5E	8215	5/21/2013	6/3/2013	Chloroform	2916	7,523.28

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R5E	8215	5/21/2013	6/3/2013	Methylene Chloride	2916	1,428.84 J
P6R5E	8215	5/21/2013	6/3/2013	Toluene	2916	262.44 J
P6R5E	8237	6/3/2013	6/12/2013	1,1,1-Trichloroethane	2187	32,936.22
P6R5E	8237	6/3/2013	6/12/2013	1,1,2,2-Tetrachloroethane	2187	U
P6R5E	8237	6/3/2013	6/12/2013	1,1-Dichloroethylene	2187	U
P6R5E	8237	6/3/2013	6/12/2013	1,2-Dichloroethane	2187	U
P6R5E	8237	6/3/2013	6/12/2013	Carbon Tetrachloride	2187	82,974.78
P6R5E	8237	6/3/2013	6/12/2013	Chlorobenzene	2187	U
P6R5E	8237	6/3/2013	6/12/2013	Chloroform	2187	5,117.58
P6R5E	8237	6/3/2013	6/12/2013	Methylene Chloride	2187	1,071.63 J
P6R5E	8237	6/3/2013	6/12/2013	Toluene	2187	306.18 J
P6R5E	8289	6/18/2013	7/10/2013	1,1,1-Trichloroethane	2187	44,002.44
P6R5E	8289	6/18/2013	7/10/2013	1,1,2,2-Tetrachloroethane	2187	U
P6R5E	8289	6/18/2013	7/10/2013	1,1-Dichloroethylene	2187	U
P6R5E	8289	6/18/2013	7/10/2013	1,2-Dichloroethane	2187	U
P6R5E	8289	6/18/2013	7/10/2013	Carbon Tetrachloride	2187	121,116.06
P6R5E	8289	6/18/2013	7/10/2013	Chlorobenzene	2187	U
P6R5E	8289	6/18/2013	7/10/2013	Chloroform	2187	6,057.99
P6R5E	8289	6/18/2013	7/10/2013	Methylene Chloride	2187	1,137.24 J
P6R5E	8289	6/18/2013	7/10/2013	Toluene	2187	153.09 J
P6R5I	7852	1/3/2013	1/10/2013	1,1,1-Trichloroethane	1458	27,818.64
P6R5I	7852	1/3/2013	1/10/2013	1,1,2,2-Tetrachloroethane	1458	U
P6R5I	7852	1/3/2013	1/10/2013	1,1-Dichloroethylene	1458	U
P6R5I	7852	1/3/2013	1/10/2013	1,2-Dichloroethane	1458	U
P6R5I	7852	1/3/2013	1/10/2013	Carbon Tetrachloride	1458	70,610.94
P6R5I	7852	1/3/2013	1/10/2013	Chlorobenzene	1458	U
P6R5I	7852	1/3/2013	1/10/2013	Chloroform	1458	3,863.70

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R5I	7852	1/3/2013	1/10/2013	Methylene Chloride	1458	1,078.92 J
P6R5I	7852	1/3/2013	1/10/2013	Toluene	1458	102.06 J
P6R5I	7883	1/15/2013	1/23/2013	1,1,1-Trichloroethane	2187	30,683.61
P6R5I	7883	1/15/2013	1/23/2013	1,1,2,2-Tetrachloroethane	2187	U
P6R5I	7883	1/15/2013	1/23/2013	1,1-Dichloroethylene	2187	U
P6R5I	7883	1/15/2013	1/23/2013	1,2-Dichloroethane	2187	U
P6R5I	7883	1/15/2013	1/23/2013	Carbon Tetrachloride	2187	84,024.54
P6R5I	7883	1/15/2013	1/23/2013	Chlorobenzene	2187	U
P6R5I	7883	1/15/2013	1/23/2013	Chloroform	2187	4,723.92
P6R5I	7883	1/15/2013	1/23/2013	Methylene Chloride	2187	1,246.59 J
P6R5I	7883	1/15/2013	1/23/2013	Toluene	2187	U
P6R5I	7922	1/29/2013	2/8/2013	1,1,1-Trichloroethane	2916	50,184.36
P6R5I	7922	1/29/2013	2/8/2013	1,1,2,2-Tetrachloroethane	2916	U
P6R5I	7922	1/29/2013	2/8/2013	1,1-Dichloroethylene	2916	U
P6R5I	7922	1/29/2013	2/8/2013	1,2-Dichloroethane	2916	U
P6R5I	7922	1/29/2013	2/8/2013	Carbon Tetrachloride	2916	139,384.80
P6R5I	7922	1/29/2013	2/8/2013	Chlorobenzene	2916	U
P6R5I	7922	1/29/2013	2/8/2013	Chloroform	2916	8,164.80
P6R5I	7922	1/29/2013	2/8/2013	Methylene Chloride	2916	2,099.52 J
P6R5I	7922	1/29/2013	2/8/2013	Toluene	2916	349.92 J
P6R5I	7975	2/12/2013	2/20/2013	1,1,1-Trichloroethane	2916	51,379.92
P6R5I	7975	2/12/2013	2/20/2013	1,1,2,2-Tetrachloroethane	2916	U
P6R5I	7975	2/12/2013	2/20/2013	1,1-Dichloroethylene	2916	U
P6R5I	7975	2/12/2013	2/20/2013	1,2-Dichloroethane	2916	U
P6R5I	7975	2/12/2013	2/20/2013	Carbon Tetrachloride	2916	143,817.12
P6R5I	7975	2/12/2013	2/20/2013	Chlorobenzene	2916	U
P6R5I	7975	2/12/2013	2/20/2013	Chloroform	2916	8,573.04

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P6R5I	7975	2/12/2013	2/20/2013	Methylene Chloride	2916	2,070.36 J
P6R5I	7975	2/12/2013	2/20/2013	Toluene	2916	262.44 J
P6R5I	7997	2/26/2013	3/5/2013	1,1,1-Trichloroethane	2916	43,127.64
P6R5I	7997	2/26/2013	3/5/2013	1,1,2,2-Tetrachloroethane	2916	U
P6R5I	7997	2/26/2013	3/5/2013	1,1-Dichloroethylene	2916	U
P6R5I	7997	2/26/2013	3/5/2013	1,2-Dichloroethane	2916	U
P6R5I	7997	2/26/2013	3/5/2013	Carbon Tetrachloride	2916	121,334.76
P6R5I	7997	2/26/2013	3/5/2013	Chlorobenzene	2916	U
P6R5I	7997	2/26/2013	3/5/2013	Chloroform	2916	6,473.52
P6R5I	7997	2/26/2013	3/5/2013	Methylene Chloride	2916	1,487.16 J
P6R5I	7997	2/26/2013	3/5/2013	Toluene	2916	U
P6R5I	8047	3/12/2013	3/20/2013	1,1,1-Trichloroethane	2187	34,598.34
P6R5I	8047	3/12/2013	3/20/2013	1,1,2,2-Tetrachloroethane	2187	U
P6R5I	8047	3/12/2013	3/20/2013	1,1-Dichloroethylene	2187	U
P6R5I	8047	3/12/2013	3/20/2013	1,2-Dichloroethane	2187	U
P6R5I	8047	3/12/2013	3/20/2013	Carbon Tetrachloride	2187	100,033.38
P6R5I	8047	3/12/2013	3/20/2013	Chlorobenzene	2187	U
P6R5I	8047	3/12/2013	3/20/2013	Chloroform	2187	4,942.62
P6R5I	8047	3/12/2013	3/20/2013	Methylene Chloride	2187	1,224.72 J
P6R5I	8047	3/12/2013	3/20/2013	Toluene	2187	U
P6R5I	8068	3/25/2013	4/2/2013	1,1,1-Trichloroethane	2916	54,295.92
P6R5I	8068	3/25/2013	4/2/2013	1,1,2,2-Tetrachloroethane	2916	U
P6R5I	8068	3/25/2013	4/2/2013	1,1-Dichloroethylene	2916	U
P6R5I	8068	3/25/2013	4/2/2013	1,2-Dichloroethane	2916	U
P6R5I	8068	3/25/2013	4/2/2013	Carbon Tetrachloride	2916	159,417.72
P6R5I	8068	3/25/2013	4/2/2013	Chlorobenzene	2916	U
P6R5I	8068	3/25/2013	4/2/2013	Chloroform	2916	7,523.28

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P6R5I	8068	3/25/2013	4/2/2013	Methylene Chloride	2916	1,778.76 J
P6R5I	8068	3/25/2013	4/2/2013	Toluene	2916	233.28 J
P6R5I	8120	4/9/2013	4/17/2013	1,1,1-Trichloroethane	3280.5	53,898.62
P6R5I	8120	4/9/2013	4/17/2013	1,1,2,2-Tetrachloroethane	3280.5	U
P6R5I	8120	4/9/2013	4/17/2013	1,1-Dichloroethylene	3280.5	U
P6R5I	8120	4/9/2013	4/17/2013	1,2-Dichloroethane	3280.5	U
P6R5I	8120	4/9/2013	4/17/2013	Carbon Tetrachloride	3280.5	149,197.14
P6R5I	8120	4/9/2013	4/17/2013	Chlorobenzene	3280.5	U
P6R5I	8120	4/9/2013	4/17/2013	Chloroform	3280.5	8,430.89
P6R5I	8120	4/9/2013	4/17/2013	Methylene Chloride	3280.5	2,197.94 J
P6R5I	8120	4/9/2013	4/17/2013	Toluene	3280.5	360.86 J
P6R5I	8142	4/23/2013	4/29/2013	1,1,1-Trichloroethane	3280.5	44,122.73
P6R5I	8142	4/23/2013	4/29/2013	1,1,2,2-Tetrachloroethane	3280.5	U
P6R5I	8142	4/23/2013	4/29/2013	1,1-Dichloroethylene	3280.5	U
P6R5I	8142	4/23/2013	4/29/2013	1,2-Dichloroethane	3280.5	U
P6R5I	8142	4/23/2013	4/29/2013	Carbon Tetrachloride	3280.5	120,820.82
P6R5I	8142	4/23/2013	4/29/2013	Chlorobenzene	3280.5	U
P6R5I	8142	4/23/2013	4/29/2013	Chloroform	3280.5	6,790.64
P6R5I	8142	4/23/2013	4/29/2013	Methylene Chloride	3280.5	1,771.47 J
P6R5I	8142	4/23/2013	4/29/2013	Toluene	3280.5	328.05 J
P6R5I	8180	5/7/2013	5/20/2013	1,1,1-Trichloroethane	4374	50,957.10
P6R5I	8180	5/7/2013	5/20/2013	1,1,2,2-Tetrachloroethane	4374	U
P6R5I	8180	5/7/2013	5/20/2013	1,1-Dichloroethylene	4374	U
P6R5I	8180	5/7/2013	5/20/2013	1,2-Dichloroethane	4374	U
P6R5I	8180	5/7/2013	5/20/2013	Carbon Tetrachloride	4374	145,960.38
P6R5I	8180	5/7/2013	5/20/2013	Chlorobenzene	4374	U
P6R5I	8180	5/7/2013	5/20/2013	Chloroform	4374	7,873.20

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P6R5I	8180	5/7/2013	5/20/2013	Methylene Chloride	4374	2,099.52 J
P6R5I	8180	5/7/2013	5/20/2013	Toluene	4374	306.18 J
P6R5I	8214	5/21/2013	6/3/2013	1,1,1-Trichloroethane	2916	46,656.00
P6R5I	8214	5/21/2013	6/3/2013	1,1,2,2-Tetrachloroethane	2916	U
P6R5I	8214	5/21/2013	6/3/2013	1,1-Dichloroethylene	2916	U
P6R5I	8214	5/21/2013	6/3/2013	1,2-Dichloroethane	2916	U
P6R5I	8214	5/21/2013	6/3/2013	Carbon Tetrachloride	2916	134,019.36
P6R5I	8214	5/21/2013	6/3/2013	Chlorobenzene	2916	U
P6R5I	8214	5/21/2013	6/3/2013	Chloroform	2916	7,173.36
P6R5I	8214	5/21/2013	6/3/2013	Methylene Chloride	2916	1,749.60 J
P6R5I	8214	5/21/2013	6/3/2013	Toluene	2916	291.60 J
P6R5I	8238	6/3/2013	6/12/2013	1,1,1-Trichloroethane	2187	19,901.70
P6R5I	8238	6/3/2013	6/12/2013	1,1,2,2-Tetrachloroethane	2187	U
P6R5I	8238	6/3/2013	6/12/2013	1,1-Dichloroethylene	2187	U
P6R5I	8238	6/3/2013	6/12/2013	1,2-Dichloroethane	2187	U
P6R5I	8238	6/3/2013	6/12/2013	Carbon Tetrachloride	2187	56,621.43
P6R5I	8238	6/3/2013	6/12/2013	Chlorobenzene	2187	U
P6R5I	8238	6/3/2013	6/12/2013	Chloroform	2187	3,499.20
P6R5I	8238	6/3/2013	6/12/2013	Methylene Chloride	2187	1,093.50 J
P6R5I	8238	6/3/2013	6/12/2013	Toluene	2187	262.44 J
P6R5I	8288	6/18/2013	7/10/2013	1,1,1-Trichloroethane	729	10,606.95
P6R5I	8288	6/18/2013	7/10/2013	1,1,2,2-Tetrachloroethane	729	U
P6R5I	8288	6/18/2013	7/10/2013	1,1-Dichloroethylene	729	U
P6R5I	8288	6/18/2013	7/10/2013	1,2-Dichloroethane	729	U
P6R5I	8288	6/18/2013	7/10/2013	Carbon Tetrachloride	729	34,022.43
P6R5I	8288	6/18/2013	7/10/2013	Chlorobenzene	729	U
P6R5I	8288	6/18/2013	7/10/2013	Chloroform	729	1,669.41

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P6R5I	8288	6/18/2013	7/10/2013	Methylene Chloride	729	524.88 J
P6R5I	8288	6/18/2013	7/10/2013	Toluene	729	65.61 J
P6R6E	7859	1/9/2013	1/17/2013	1,1,1-Trichloroethane	8748	116,610.84
P6R6E	7859	1/9/2013	1/17/2013	1,1,2,2-Tetrachloroethane	8748	U
P6R6E	7859	1/9/2013	1/17/2013	1,1-Dichloroethylene	8748	U
P6R6E	7859	1/9/2013	1/17/2013	1,2-Dichloroethane	8748	U
P6R6E	7859	1/9/2013	1/17/2013	Carbon Tetrachloride	8748	442,298.88
P6R6E	7859	1/9/2013	1/17/2013	Chlorobenzene	8748	U
P6R6E	7859	1/9/2013	1/17/2013	Chloroform	8748	26,943.84
P6R6E	7859	1/9/2013	1/17/2013	Methylene Chloride	8748	3,586.68 J
P6R6E	7859	1/9/2013	1/17/2013	Toluene	8748	U
P6R6E	7910	1/23/2013	2/1/2013	1,1,1-Trichloroethane	13122	130,563.90
P6R6E	7910	1/23/2013	2/1/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6E	7910	1/23/2013	2/1/2013	1,1-Dichloroethylene	13122	U
P6R6E	7910	1/23/2013	2/1/2013	1,2-Dichloroethane	13122	U
P6R6E	7910	1/23/2013	2/1/2013	Carbon Tetrachloride	13122	483,020.82
P6R6E	7910	1/23/2013	2/1/2013	Chlorobenzene	13122	U
P6R6E	7910	1/23/2013	2/1/2013	Chloroform	13122	32,673.78
P6R6E	7910	1/23/2013	2/1/2013	Methylene Chloride	13122	4,461.48 J
P6R6E	7910	1/23/2013	2/1/2013	Toluene	13122	1,180.98 J
P6R6E	7951	2/6/2013	2/15/2013	1,1,1-Trichloroethane	13122	161,269.38
P6R6E	7951	2/6/2013	2/15/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6E	7951	2/6/2013	2/15/2013	1,1-Dichloroethylene	13122	U
P6R6E	7951	2/6/2013	2/15/2013	1,2-Dichloroethane	13122	U
P6R6E	7951	2/6/2013	2/15/2013	Carbon Tetrachloride	13122	616,734.00
P6R6E	7951	2/6/2013	2/15/2013	Chlorobenzene	13122	U
P6R6E	7951	2/6/2013	2/15/2013	Chloroform	13122	39,890.88

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R6E	7951	2/6/2013	2/15/2013	Methylene Chloride	13122	5,511.24 J
P6R6E	7951	2/6/2013	2/15/2013	Toluene	13122	1,180.98 J
P6R6E	7989	2/20/2013	2/28/2013	1,1,1-Trichloroethane	13122	154,577.16
P6R6E	7989	2/20/2013	2/28/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6E	7989	2/20/2013	2/28/2013	1,1-Dichloroethylene	13122	U
P6R6E	7989	2/20/2013	2/28/2013	1,2-Dichloroethane	13122	U
P6R6E	7989	2/20/2013	2/28/2013	Carbon Tetrachloride	13122	568,576.26
P6R6E	7989	2/20/2013	2/28/2013	Chlorobenzene	13122	U
P6R6E	7989	2/20/2013	2/28/2013	Chloroform	13122	35,429.40
P6R6E	7989	2/20/2013	2/28/2013	Methylene Chloride	13122	4,330.26 J
P6R6E	7989	2/20/2013	2/28/2013	Toluene	13122	U
P6R6E	8022	3/6/2013	3/13/2013	1,1,1-Trichloroethane	19683	171,832.59
P6R6E	8022	3/6/2013	3/13/2013	1,1,2,2-Tetrachloroethane	19683	U
P6R6E	8022	3/6/2013	3/13/2013	1,1-Dichloroethylene	19683	U
P6R6E	8022	3/6/2013	3/13/2013	1,2-Dichloroethane	19683	U
P6R6E	8022	3/6/2013	3/13/2013	Carbon Tetrachloride	19683	700,517.97
P6R6E	8022	3/6/2013	3/13/2013	Chlorobenzene	19683	U
P6R6E	8022	3/6/2013	3/13/2013	Chloroform	19683	39,366.00
P6R6E	8022	3/6/2013	3/13/2013	Methylene Chloride	19683	4,723.92 J
P6R6E	8022	3/6/2013	3/13/2013	Toluene	19683	U
P6R6E	8061	3/20/2013	3/26/2013	1,1,1-Trichloroethane	19683	188,169.48
P6R6E	8061	3/20/2013	3/26/2013	1,1,2,2-Tetrachloroethane	19683	U
P6R6E	8061	3/20/2013	3/26/2013	1,1-Dichloroethylene	19683	U
P6R6E	8061	3/20/2013	3/26/2013	1,2-Dichloroethane	19683	U
P6R6E	8061	3/20/2013	3/26/2013	Carbon Tetrachloride	19683	690,282.81
P6R6E	8061	3/20/2013	3/26/2013	Chlorobenzene	19683	U
P6R6E	8061	3/20/2013	3/26/2013	Chloroform	19683	45,861.39

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P6R6E	8061	3/20/2013	3/26/2013	Methylene Chloride	19683	6,692.22 J
P6R6E	8061	3/20/2013	3/26/2013	Toluene	19683	1,574.64 J
P6R6E	8085	4/3/2013	4/12/2013	1,1,1-Trichloroethane	19683	171,438.93
P6R6E	8085	4/3/2013	4/12/2013	1,1,2,2-Tetrachloroethane	19683	U
P6R6E	8085	4/3/2013	4/12/2013	1,1-Dichloroethylene	19683	U
P6R6E	8085	4/3/2013	4/12/2013	1,2-Dichloroethane	19683	U
P6R6E	8085	4/3/2013	4/12/2013	Carbon Tetrachloride	19683	654,853.41
P6R6E	8085	4/3/2013	4/12/2013	Chlorobenzene	19683	U
P6R6E	8085	4/3/2013	4/12/2013	Chloroform	19683	39,759.66
P6R6E	8085	4/3/2013	4/12/2013	Methylene Chloride	19683	6,298.56 J
P6R6E	8085	4/3/2013	4/12/2013	Toluene	19683	1,180.98 J
P6R6E	8133	4/17/2013	4/24/2013	1,1,1-Trichloroethane	19683	220,252.77
P6R6E	8133	4/17/2013	4/24/2013	1,1,2,2-Tetrachloroethane	19683	U
P6R6E	8133	4/17/2013	4/24/2013	1,1-Dichloroethylene	19683	U
P6R6E	8133	4/17/2013	4/24/2013	1,2-Dichloroethane	19683	U
P6R6E	8133	4/17/2013	4/24/2013	Carbon Tetrachloride	19683	842,826.06
P6R6E	8133	4/17/2013	4/24/2013	Chlorobenzene	19683	U
P6R6E	8133	4/17/2013	4/24/2013	Chloroform	19683	52,553.61
P6R6E	8133	4/17/2013	4/24/2013	Methylene Chloride	19683	6,298.56 J
P6R6E	8133	4/17/2013	4/24/2013	Toluene	19683	1,377.81 J
P6R6E	8157	5/1/2013	5/8/2013	1,1,1-Trichloroethane	13122	176,228.46
P6R6E	8157	5/1/2013	5/8/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6E	8157	5/1/2013	5/8/2013	1,1-Dichloroethylene	13122	U
P6R6E	8157	5/1/2013	5/8/2013	1,2-Dichloroethane	13122	U
P6R6E	8157	5/1/2013	5/8/2013	Carbon Tetrachloride	13122	648,882.90
P6R6E	8157	5/1/2013	5/8/2013	Chlorobenzene	13122	U
P6R6E	8157	5/1/2013	5/8/2013	Chloroform	13122	41,727.96

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P6R6E	8157	5/1/2013	5/8/2013	Methylene Chloride	13122	5,248.80 J
P6R6E	8157	5/1/2013	5/8/2013	Toluene	13122	1,312.20 J
P6R6E	8207	5/14/2013	5/28/2013	1,1,1-Trichloroethane	19683	233,243.55
P6R6E	8207	5/14/2013	5/28/2013	1,1,2,2-Tetrachloroethane	19683	U
P6R6E	8207	5/14/2013	5/28/2013	1,1-Dichloroethylene	19683	U
P6R6E	8207	5/14/2013	5/28/2013	1,2-Dichloroethane	19683	U
P6R6E	8207	5/14/2013	5/28/2013	Carbon Tetrachloride	19683	924,904.17
P6R6E	8207	5/14/2013	5/28/2013	Chlorobenzene	19683	U
P6R6E	8207	5/14/2013	5/28/2013	Chloroform	19683	51,963.12
P6R6E	8207	5/14/2013	5/28/2013	Methylene Chloride	19683	6,101.73 J
P6R6E	8207	5/14/2013	5/28/2013	Toluene	19683	1,771.47 J
P6R6E	8229	5/29/2013	6/6/2013	1,1,1-Trichloroethane	13122	184,626.54
P6R6E	8229	5/29/2013	6/6/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6E	8229	5/29/2013	6/6/2013	1,1-Dichloroethylene	13122	U
P6R6E	8229	5/29/2013	6/6/2013	1,2-Dichloroethane	13122	U
P6R6E	8229	5/29/2013	6/6/2013	Carbon Tetrachloride	13122	720,135.36
P6R6E	8229	5/29/2013	6/6/2013	Chlorobenzene	13122	U
P6R6E	8229	5/29/2013	6/6/2013	Chloroform	13122	41,990.40
P6R6E	8229	5/29/2013	6/6/2013	Methylene Chloride	13122	6,167.34 J
P6R6E	8229	5/29/2013	6/6/2013	Toluene	13122	1,180.98 J
P6R6E	8280	6/10/2013	6/21/2013	1,1,1-Trichloroethane	13122	138,305.88
P6R6E	8280	6/10/2013	6/21/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6E	8280	6/10/2013	6/21/2013	1,1-Dichloroethylene	13122	U
P6R6E	8280	6/10/2013	6/21/2013	1,2-Dichloroethane	13122	U
P6R6E	8280	6/10/2013	6/21/2013	Carbon Tetrachloride	13122	510,839.46
P6R6E	8280	6/10/2013	6/21/2013	Chlorobenzene	13122	U
P6R6E	8280	6/10/2013	6/21/2013	Chloroform	13122	33,329.88

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P6R6E	8280	6/10/2013	6/21/2013	Methylene Chloride	13122	4,723.92 J
P6R6E	8280	6/10/2013	6/21/2013	Toluene	13122	918.54 J
P6R6E	8301	6/26/2013	7/12/2013	1,1,1-Trichloroethane	13122	198,535.86
P6R6E	8301	6/26/2013	7/12/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6E	8301	6/26/2013	7/12/2013	1,1-Dichloroethylene	13122	U
P6R6E	8301	6/26/2013	7/12/2013	1,2-Dichloroethane	13122	U
P6R6E	8301	6/26/2013	7/12/2013	Carbon Tetrachloride	13122	775,641.42
P6R6E	8301	6/26/2013	7/12/2013	Chlorobenzene	13122	U
P6R6E	8301	6/26/2013	7/12/2013	Chloroform	13122	43,171.38
P6R6E	8301	6/26/2013	7/12/2013	Methylene Chloride	13122	5,248.80 J
P6R6E	8301	6/26/2013	7/12/2013	Toluene	13122	U
P6R6I	7861	1/9/2013	1/17/2013	1,1,1-Trichloroethane	8748	119,585.16
P6R6I	7861	1/9/2013	1/17/2013	1,1,2,2-Tetrachloroethane	8748	U
P6R6I	7861	1/9/2013	1/17/2013	1,1-Dichloroethylene	8748	U
P6R6I	7861	1/9/2013	1/17/2013	1,2-Dichloroethane	8748	U
P6R6I	7861	1/9/2013	1/17/2013	Carbon Tetrachloride	8748	472,916.88
P6R6I	7861	1/9/2013	1/17/2013	Chlorobenzene	8748	U
P6R6I	7861	1/9/2013	1/17/2013	Chloroform	8748	28,343.52
P6R6I	7861	1/9/2013	1/17/2013	Methylene Chloride	8748	3,936.60 J
P6R6I	7861	1/9/2013	1/17/2013	Toluene	8748	U
P6R6I	7916	1/23/2013	2/1/2013	1,1,1-Trichloroethane	13122	143,029.80
P6R6I	7916	1/23/2013	2/1/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6I	7916	1/23/2013	2/1/2013	1,1-Dichloroethylene	13122	U
P6R6I	7916	1/23/2013	2/1/2013	1,2-Dichloroethane	13122	U
P6R6I	7916	1/23/2013	2/1/2013	Carbon Tetrachloride	13122	530,916.12
P6R6I	7916	1/23/2013	2/1/2013	Chlorobenzene	13122	U
P6R6I	7916	1/23/2013	2/1/2013	Chloroform	13122	37,397.70

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P6R6I	7916	1/23/2013	2/1/2013	Methylene Chloride	13122	5,380.02 J
P6R6I	7916	1/23/2013	2/1/2013	Toluene	13122	1,705.86 J
P6R6I	7952	2/6/2013	2/18/2013	1,1,1-Trichloroethane	13122	129,907.80
P6R6I	7952	2/6/2013	2/18/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6I	7952	2/6/2013	2/18/2013	1,1-Dichloroethylene	13122	U
P6R6I	7952	2/6/2013	2/18/2013	1,2-Dichloroethane	13122	U
P6R6I	7952	2/6/2013	2/18/2013	Carbon Tetrachloride	13122	478,165.68
P6R6I	7952	2/6/2013	2/18/2013	Chlorobenzene	13122	U
P6R6I	7952	2/6/2013	2/18/2013	Chloroform	13122	33,592.32
P6R6I	7952	2/6/2013	2/18/2013	Methylene Chloride	13122	5,380.02 J
P6R6I	7952	2/6/2013	2/18/2013	Toluene	13122	1,312.20 J
P6R6I	7988	2/20/2013	2/28/2013	1,1,1-Trichloroethane	13122	147,753.72
P6R6I	7988	2/20/2013	2/28/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6I	7988	2/20/2013	2/28/2013	1,1-Dichloroethylene	13122	U
P6R6I	7988	2/20/2013	2/28/2013	1,2-Dichloroethane	13122	U
P6R6I	7988	2/20/2013	2/28/2013	Carbon Tetrachloride	13122	575,006.04
P6R6I	7988	2/20/2013	2/28/2013	Chlorobenzene	13122	U
P6R6I	7988	2/20/2013	2/28/2013	Chloroform	13122	34,510.86
P6R6I	7988	2/20/2013	2/28/2013	Methylene Chloride	13122	4,330.26 J
P6R6I	7988	2/20/2013	2/28/2013	Toluene	13122	U
P6R6I	8024	3/6/2013	3/13/2013	1,1,1-Trichloroethane	13122	158,644.98
P6R6I	8024	3/6/2013	3/13/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6I	8024	3/6/2013	3/13/2013	1,1-Dichloroethylene	13122	U
P6R6I	8024	3/6/2013	3/13/2013	1,2-Dichloroethane	13122	U
P6R6I	8024	3/6/2013	3/13/2013	Carbon Tetrachloride	13122	645,471.18
P6R6I	8024	3/6/2013	3/13/2013	Chlorobenzene	13122	U
P6R6I	8024	3/6/2013	3/13/2013	Chloroform	13122	35,035.74

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P6R6I	8024	3/6/2013	3/13/2013	Methylene Chloride	13122	4,199.04 J
P6R6I	8024	3/6/2013	3/13/2013	Toluene	13122	U
P6R6I	8060	3/20/2013	3/26/2013	1,1,1-Trichloroethane	19683	177,737.49
P6R6I	8060	3/20/2013	3/26/2013	1,1,2,2-Tetrachloroethane	19683	U
P6R6I	8060	3/20/2013	3/26/2013	1,1-Dichloroethylene	19683	U
P6R6I	8060	3/20/2013	3/26/2013	1,2-Dichloroethane	19683	U
P6R6I	8060	3/20/2013	3/26/2013	Carbon Tetrachloride	19683	674,142.75
P6R6I	8060	3/20/2013	3/26/2013	Chlorobenzene	19683	U
P6R6I	8060	3/20/2013	3/26/2013	Chloroform	19683	42,712.11
P6R6I	8060	3/20/2013	3/26/2013	Methylene Chloride	19683	6,495.39 J
P6R6I	8060	3/20/2013	3/26/2013	Toluene	19683	1,377.81 J
P6R6I	8082	4/3/2013	4/12/2013	1,1,1-Trichloroethane	19683	206,868.33
P6R6I	8082	4/3/2013	4/12/2013	1,1,2,2-Tetrachloroethane	19683	U
P6R6I	8082	4/3/2013	4/12/2013	1,1-Dichloroethylene	19683	U
P6R6I	8082	4/3/2013	4/12/2013	1,2-Dichloroethane	19683	U
P6R6I	8082	4/3/2013	4/12/2013	Carbon Tetrachloride	19683	758,779.65
P6R6I	8082	4/3/2013	4/12/2013	Chlorobenzene	19683	U
P6R6I	8082	4/3/2013	4/12/2013	Chloroform	19683	49,010.67
P6R6I	8082	4/3/2013	4/12/2013	Methylene Chloride	19683	7,282.71 J
P6R6I	8082	4/3/2013	4/12/2013	Toluene	19683	1,968.30 J
P6R6I	8134	4/17/2013	4/24/2013	1,1,1-Trichloroethane	19683	201,160.26
P6R6I	8134	4/17/2013	4/24/2013	1,1,2,2-Tetrachloroethane	19683	U
P6R6I	8134	4/17/2013	4/24/2013	1,1-Dichloroethylene	19683	U
P6R6I	8134	4/17/2013	4/24/2013	1,2-Dichloroethane	19683	U
P6R6I	8134	4/17/2013	4/24/2013	Carbon Tetrachloride	19683	740,474.46
P6R6I	8134	4/17/2013	4/24/2013	Chlorobenzene	19683	U
P6R6I	8134	4/17/2013	4/24/2013	Chloroform	19683	49,797.99

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P6R6I	8134	4/17/2013	4/24/2013	Methylene Chloride	19683	7,282.71 J
P6R6I	8134	4/17/2013	4/24/2013	Toluene	19683	1,771.47 J
P6R6I	8156	5/1/2013	5/8/2013	1,1,1-Trichloroethane	19683	183,051.90
P6R6I	8156	5/1/2013	5/8/2013	1,1,2,2-Tetrachloroethane	19683	787.32 J
P6R6I	8156	5/1/2013	5/8/2013	1,1-Dichloroethylene	19683	U
P6R6I	8156	5/1/2013	5/8/2013	1,2-Dichloroethane	19683	U
P6R6I	8156	5/1/2013	5/8/2013	Carbon Tetrachloride	19683	677,488.86
P6R6I	8156	5/1/2013	5/8/2013	Chlorobenzene	19683	U
P6R6I	8156	5/1/2013	5/8/2013	Chloroform	19683	44,286.75
P6R6I	8156	5/1/2013	5/8/2013	Methylene Chloride	19683	6,889.05 J
P6R6I	8156	5/1/2013	5/8/2013	Toluene	19683	1,771.47 J
P6R6I	8208	5/14/2013	5/28/2013	1,1,1-Trichloroethane	19683	222,614.73
P6R6I	8208	5/14/2013	5/28/2013	1,1,2,2-Tetrachloroethane	19683	U
P6R6I	8208	5/14/2013	5/28/2013	1,1-Dichloroethylene	19683	U
P6R6I	8208	5/14/2013	5/28/2013	1,2-Dichloroethane	19683	U
P6R6I	8208	5/14/2013	5/28/2013	Carbon Tetrachloride	19683	858,375.63
P6R6I	8208	5/14/2013	5/28/2013	Chlorobenzene	19683	U
P6R6I	8208	5/14/2013	5/28/2013	Chloroform	19683	54,325.08
P6R6I	8208	5/14/2013	5/28/2013	Methylene Chloride	19683	7,282.71 J
P6R6I	8208	5/14/2013	5/28/2013	Toluene	19683	1,574.64 J
P6R6I	8228	5/29/2013	6/5/2013	1,1,1-Trichloroethane	13122	158,644.98
P6R6I	8228	5/29/2013	6/5/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6I	8228	5/29/2013	6/5/2013	1,1-Dichloroethylene	13122	U
P6R6I	8228	5/29/2013	6/5/2013	1,2-Dichloroethane	13122	U
P6R6I	8228	5/29/2013	6/5/2013	Carbon Tetrachloride	13122	602,299.80
P6R6I	8228	5/29/2013	6/5/2013	Chlorobenzene	13122	U
P6R6I	8228	5/29/2013	6/5/2013	Chloroform	13122	38,316.24

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R6I	8228	5/29/2013	6/5/2013	Methylene Chloride	13122	5,642.46 J
P6R6I	8228	5/29/2013	6/5/2013	Toluene	13122	1,312.20 J
P6R6I	8282	6/10/2013	6/21/2013	1,1,1-Trichloroethane	13122	137,387.34
P6R6I	8282	6/10/2013	6/21/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6I	8282	6/10/2013	6/21/2013	1,1-Dichloroethylene	13122	U
P6R6I	8282	6/10/2013	6/21/2013	1,2-Dichloroethane	13122	U
P6R6I	8282	6/10/2013	6/21/2013	Carbon Tetrachloride	13122	535,508.82
P6R6I	8282	6/10/2013	6/21/2013	Chlorobenzene	13122	U
P6R6I	8282	6/10/2013	6/21/2013	Chloroform	13122	35,035.74
P6R6I	8282	6/10/2013	6/21/2013	Methylene Chloride	13122	4,986.36 J
P6R6I	8282	6/10/2013	6/21/2013	Toluene	13122	1,049.76 J
P6R6I	8302	6/26/2013	7/13/2013	1,1,1-Trichloroethane	13122	166,813.43
P6R6I	8302	6/26/2013	7/13/2013	1,1,2,2-Tetrachloroethane	13122	U
P6R6I	8302	6/26/2013	7/13/2013	1,1-Dichloroethylene	13122	U
P6R6I	8302	6/26/2013	7/13/2013	1,2-Dichloroethane	13122	U
P6R6I	8302	6/26/2013	7/13/2013	Carbon Tetrachloride	13122	671,091.89
P6R6I	8302	6/26/2013	7/13/2013	Chlorobenzene	13122	U
P6R6I	8302	6/26/2013	7/13/2013	Chloroform	13122	40,546.98
P6R6I	8302	6/26/2013	7/13/2013	Methylene Chloride	13122	4,822.34 J
P6R6I	8302	6/26/2013	7/13/2013	Toluene	13122	787.32 J
P6R7E	7857	1/8/2013	1/17/2013	1,1,1-Trichloroethane	26244	256,141.44
P6R7E	7857	1/8/2013	1/17/2013	1,1,2,2-Tetrachloroethane	26244	U
P6R7E	7857	1/8/2013	1/17/2013	1,1-Dichloroethylene	26244	U
P6R7E	7857	1/8/2013	1/17/2013	1,2-Dichloroethane	26244	U
P6R7E	7857	1/8/2013	1/17/2013	Carbon Tetrachloride	26244	1,351,303.56
P6R7E	7857	1/8/2013	1/17/2013	Chlorobenzene	26244	U
P6R7E	7857	1/8/2013	1/17/2013	Chloroform	26244	79,781.76

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P6R7E	7857	1/8/2013	1/17/2013	Methylene Chloride	26244	8,398.08 J
P6R7E	7857	1/8/2013	1/17/2013	Toluene	26244	U
P6R7E	7907	1/22/2013	2/1/2013	1,1,1-Trichloroethane	26244	303,643.08
P6R7E	7907	1/22/2013	2/1/2013	1,1,2,2-Tetrachloroethane	26244	U
P6R7E	7907	1/22/2013	2/1/2013	1,1-Dichloroethylene	26244	U
P6R7E	7907	1/22/2013	2/1/2013	1,2-Dichloroethane	26244	U
P6R7E	7907	1/22/2013	2/1/2013	Carbon Tetrachloride	26244	1,483,310.88
P6R7E	7907	1/22/2013	2/1/2013	Chlorobenzene	26244	U
P6R7E	7907	1/22/2013	2/1/2013	Chloroform	26244	102,876.48
P6R7E	7907	1/22/2013	2/1/2013	Methylene Chloride	26244	10,760.04 J
P6R7E	7907	1/22/2013	2/1/2013	Toluene	26244	1,837.08 J
P6R7E	7979	2/8/2013	2/18/2013	1,1,1-Trichloroethane	26244	344,583.72
P6R7E	7979	2/8/2013	2/18/2013	1,1,2,2-Tetrachloroethane	26244	U
P6R7E	7979	2/8/2013	2/18/2013	1,1-Dichloroethylene	26244	U
P6R7E	7979	2/8/2013	2/18/2013	1,2-Dichloroethane	26244	U
P6R7E	7979	2/8/2013	2/18/2013	Carbon Tetrachloride	26244	1,644,186.60
P6R7E	7979	2/8/2013	2/18/2013	Chlorobenzene	26244	U
P6R7E	7979	2/8/2013	2/18/2013	Chloroform	26244	114,161.40
P6R7E	7979	2/8/2013	2/18/2013	Methylene Chloride	26244	13,384.44 J
P6R7E	7979	2/8/2013	2/18/2013	Toluene	26244	2,361.96 J
P6R7E	7985	2/19/2013	2/28/2013	1,1,1-Trichloroethane	26244	247,218.48
P6R7E	7985	2/19/2013	2/28/2013	1,1,2,2-Tetrachloroethane	26244	U
P6R7E	7985	2/19/2013	2/28/2013	1,1-Dichloroethylene	26244	U
P6R7E	7985	2/19/2013	2/28/2013	1,2-Dichloroethane	26244	U
P6R7E	7985	2/19/2013	2/28/2013	Carbon Tetrachloride	26244	1,267,060.32
P6R7E	7985	2/19/2013	2/28/2013	Chlorobenzene	26244	U
P6R7E	7985	2/19/2013	2/28/2013	Chloroform	26244	81,093.96

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R7E	7985	2/19/2013	2/28/2013	Methylene Chloride	26244	8,922.96 J
P6R7E	7985	2/19/2013	2/28/2013	Toluene	26244	U
P6R7E	8025	3/6/2013	3/14/2013	1,1,1-Trichloroethane	39366	373,977.00
P6R7E	8025	3/6/2013	3/14/2013	1,1,2,2-Tetrachloroethane	39366	U
P6R7E	8025	3/6/2013	3/14/2013	1,1-Dichloroethylene	39366	U
P6R7E	8025	3/6/2013	3/14/2013	1,2-Dichloroethane	39366	U
P6R7E	8025	3/6/2013	3/14/2013	Carbon Tetrachloride	39366	1,871,065.98
P6R7E	8025	3/6/2013	3/14/2013	Chlorobenzene	39366	U
P6R7E	8025	3/6/2013	3/14/2013	Chloroform	39366	109,043.82
P6R7E	8025	3/6/2013	3/14/2013	Methylene Chloride	39366	11,809.80 J
P6R7E	8025	3/6/2013	3/14/2013	Toluene	39366	U
P6R7E	8057	3/19/2013	3/26/2013	1,1,1-Trichloroethane	39366	406,650.78
P6R7E	8057	3/19/2013	3/26/2013	1,1,2,2-Tetrachloroethane	39366	U
P6R7E	8057	3/19/2013	3/26/2013	1,1-Dichloroethylene	39366	U
P6R7E	8057	3/19/2013	3/26/2013	1,2-Dichloroethane	39366	U
P6R7E	8057	3/19/2013	3/26/2013	Carbon Tetrachloride	39366	1,922,635.44
P6R7E	8057	3/19/2013	3/26/2013	Chlorobenzene	39366	U
P6R7E	8057	3/19/2013	3/26/2013	Chloroform	39366	125,183.88
P6R7E	8057	3/19/2013	3/26/2013	Methylene Chloride	39366	15,746.40 J
P6R7E	8057	3/19/2013	3/26/2013	Toluene	39366	2,755.62 J
P6R7E	8079	4/2/2013	4/11/2013	1,1,1-Trichloroethane	39366	364,529.16
P6R7E	8079	4/2/2013	4/11/2013	1,1,2,2-Tetrachloroethane	39366	U
P6R7E	8079	4/2/2013	4/11/2013	1,1-Dichloroethylene	39366	U
P6R7E	8079	4/2/2013	4/11/2013	1,2-Dichloroethane	39366	U
P6R7E	8079	4/2/2013	4/11/2013	Carbon Tetrachloride	39366	1,721,081.52
P6R7E	8079	4/2/2013	4/11/2013	Chlorobenzene	39366	U
P6R7E	8079	4/2/2013	4/11/2013	Chloroform	39366	112,980.42

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R7E	8079	4/2/2013	4/11/2013	Methylene Chloride	39366	13,384.44 J
P6R7E	8079	4/2/2013	4/11/2013	Toluene	39366	2,755.62 J
P6R7E	8129	4/16/2013	4/24/2013	1,1,1-Trichloroethane	39366	397,202.94
P6R7E	8129	4/16/2013	4/24/2013	1,1,2,2-Tetrachloroethane	39366	U
P6R7E	8129	4/16/2013	4/24/2013	1,1-Dichloroethylene	39366	U
P6R7E	8129	4/16/2013	4/24/2013	1,2-Dichloroethane	39366	U
P6R7E	8129	4/16/2013	4/24/2013	Carbon Tetrachloride	39366	1,896,260.22
P6R7E	8129	4/16/2013	4/24/2013	Chlorobenzene	39366	U
P6R7E	8129	4/16/2013	4/24/2013	Chloroform	39366	120,066.30
P6R7E	8129	4/16/2013	4/24/2013	Methylene Chloride	39366	13,384.44 J
P6R7E	8129	4/16/2013	4/24/2013	Toluene	39366	2,361.96 J
P6R7E	8152	4/30/2013	5/8/2013	1,1,1-Trichloroethane	39366	422,003.52
P6R7E	8152	4/30/2013	5/8/2013	1,1,2,2-Tetrachloroethane	39366	U
P6R7E	8152	4/30/2013	5/8/2013	1,1-Dichloroethylene	39366	U
P6R7E	8152	4/30/2013	5/8/2013	1,2-Dichloroethane	39366	U
P6R7E	8152	4/30/2013	5/8/2013	Carbon Tetrachloride	39366	2,036,796.84
P6R7E	8152	4/30/2013	5/8/2013	Chlorobenzene	39366	U
P6R7E	8152	4/30/2013	5/8/2013	Chloroform	39366	124,790.22
P6R7E	8152	4/30/2013	5/8/2013	Methylene Chloride	39366	14,171.76 J
P6R7E	8152	4/30/2013	5/8/2013	Toluene	39366	2,361.96 J
P6R7E	8203	5/13/2013	5/28/2013	1,1,1-Trichloroethane	29524.5	351,046.31
P6R7E	8203	5/13/2013	5/28/2013	1,1,2,2-Tetrachloroethane	29524.5	U
P6R7E	8203	5/13/2013	5/28/2013	1,1-Dichloroethylene	29524.5	U
P6R7E	8203	5/13/2013	5/28/2013	1,2-Dichloroethane	29524.5	U
P6R7E	8203	5/13/2013	5/28/2013	Carbon Tetrachloride	29524.5	1,684,372.73
P6R7E	8203	5/13/2013	5/28/2013	Chlorobenzene	29524.5	U
P6R7E	8203	5/13/2013	5/28/2013	Chloroform	29524.5	103,040.51

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R7E	8203	5/13/2013	5/28/2013	Methylene Chloride	29524.5	12,400.29 J
P6R7E	8203	5/13/2013	5/28/2013	Toluene	29524.5	1,771.47 J
P6R7E	8225	5/28/2013	6/5/2013	1,1,1-Trichloroethane	39366	348,389.10
P6R7E	8225	5/28/2013	6/5/2013	1,1,2,2-Tetrachloroethane	39366	U
P6R7E	8225	5/28/2013	6/5/2013	1,1-Dichloroethylene	39366	U
P6R7E	8225	5/28/2013	6/5/2013	1,2-Dichloroethane	39366	U
P6R7E	8225	5/28/2013	6/5/2013	Carbon Tetrachloride	39366	1,778,162.22
P6R7E	8225	5/28/2013	6/5/2013	Chlorobenzene	39366	U
P6R7E	8225	5/28/2013	6/5/2013	Chloroform	39366	99,989.64
P6R7E	8225	5/28/2013	6/5/2013	Methylene Chloride	39366	12,597.12 J
P6R7E	8225	5/28/2013	6/5/2013	Toluene	39366	1,968.30 J
P6R7E	8277	6/9/2013	6/21/2013	1,1,1-Trichloroethane	29524.5	319,750.34
P6R7E	8277	6/9/2013	6/21/2013	1,1,2,2-Tetrachloroethane	29524.5	U
P6R7E	8277	6/9/2013	6/21/2013	1,1-Dichloroethylene	29524.5	U
P6R7E	8277	6/9/2013	6/21/2013	1,2-Dichloroethane	29524.5	U
P6R7E	8277	6/9/2013	6/21/2013	Carbon Tetrachloride	29524.5	1,493,349.21
P6R7E	8277	6/9/2013	6/21/2013	Chlorobenzene	29524.5	U
P6R7E	8277	6/9/2013	6/21/2013	Chloroform	29524.5	100,678.55
P6R7E	8277	6/9/2013	6/21/2013	Methylene Chloride	29524.5	12,400.29 J
P6R7E	8277	6/9/2013	6/21/2013	Toluene	29524.5	U
P6R7E	8299	6/25/2013	7/12/2013	1,1,1-Trichloroethane	26244	423,315.72
P6R7E	8299	6/25/2013	7/12/2013	1,1,2,2-Tetrachloroethane	26244	U
P6R7E	8299	6/25/2013	7/12/2013	1,1-Dichloroethylene	26244	U
P6R7E	8299	6/25/2013	7/12/2013	1,2-Dichloroethane	26244	U
P6R7E	8299	6/25/2013	7/12/2013	Carbon Tetrachloride	26244	2,166,179.76
P6R7E	8299	6/25/2013	7/12/2013	Chlorobenzene	26244	U
P6R7E	8299	6/25/2013	7/12/2013	Chloroform	26244	124,921.44

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R7E	8299	6/25/2013	7/12/2013	Methylene Chloride	26244	12,597.12 J
P6R7E	8299	6/25/2013	7/12/2013	Toluene	26244	U
P6R7I	7858	1/8/2013	1/17/2013	1,1,1-Trichloroethane	26244	256,928.76
P6R7I	7858	1/8/2013	1/17/2013	1,1,2,2-Tetrachloroethane	26244	U
P6R7I	7858	1/8/2013	1/17/2013	1,1-Dichloroethylene	26244	U
P6R7I	7858	1/8/2013	1/17/2013	1,2-Dichloroethane	26244	U
P6R7I	7858	1/8/2013	1/17/2013	Carbon Tetrachloride	26244	1,239,241.68
P6R7I	7858	1/8/2013	1/17/2013	Chlorobenzene	26244	U
P6R7I	7858	1/8/2013	1/17/2013	Chloroform	26244	74,008.08
P6R7I	7858	1/8/2013	1/17/2013	Methylene Chloride	26244	8,660.52 J
P6R7I	7858	1/8/2013	1/17/2013	Toluene	26244	U
P6R7I	7908	1/22/2013	2/1/2013	1,1,1-Trichloroethane	26244	286,059.60
P6R7I	7908	1/22/2013	2/1/2013	1,1,2,2-Tetrachloroethane	26244	U
P6R7I	7908	1/22/2013	2/1/2013	1,1-Dichloroethylene	26244	U
P6R7I	7908	1/22/2013	2/1/2013	1,2-Dichloroethane	26244	U
P6R7I	7908	1/22/2013	2/1/2013	Carbon Tetrachloride	26244	1,293,566.76
P6R7I	7908	1/22/2013	2/1/2013	Chlorobenzene	26244	U
P6R7I	7908	1/22/2013	2/1/2013	Chloroform	26244	89,492.04
P6R7I	7908	1/22/2013	2/1/2013	Methylene Chloride	26244	11,022.48 J
P6R7I	7908	1/22/2013	2/1/2013	Toluene	26244	1,837.08 J
P6R7I	7950	2/5/2013	2/15/2013	1,1,1-Trichloroethane	26244	327,525.12
P6R7I	7950	2/5/2013	2/15/2013	1,1,2,2-Tetrachloroethane	26244	U
P6R7I	7950	2/5/2013	2/15/2013	1,1-Dichloroethylene	26244	U
P6R7I	7950	2/5/2013	2/15/2013	1,2-Dichloroethane	26244	U
P6R7I	7950	2/5/2013	2/15/2013	Carbon Tetrachloride	26244	1,493,808.48
P6R7I	7950	2/5/2013	2/15/2013	Chlorobenzene	26244	U
P6R7I	7950	2/5/2013	2/15/2013	Chloroform	26244	96,053.04

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R7I	7950	2/5/2013	2/15/2013	Methylene Chloride	26244	11,022.48 J
P6R7I	7950	2/5/2013	2/15/2013	Toluene	26244	1,837.08 J
P6R7I	7984	2/19/2013	2/28/2013	1,1,1-Trichloroethane	26244	267,951.24
P6R7I	7984	2/19/2013	2/28/2013	1,1,2,2-Tetrachloroethane	26244	U
P6R7I	7984	2/19/2013	2/28/2013	1,1-Dichloroethylene	26244	U
P6R7I	7984	2/19/2013	2/28/2013	1,2-Dichloroethane	26244	U
P6R7I	7984	2/19/2013	2/28/2013	Carbon Tetrachloride	26244	1,252,101.24
P6R7I	7984	2/19/2013	2/28/2013	Chlorobenzene	26244	U
P6R7I	7984	2/19/2013	2/28/2013	Chloroform	26244	75,582.72
P6R7I	7984	2/19/2013	2/28/2013	Methylene Chloride	26244	8,660.52 J
P6R7I	7984	2/19/2013	2/28/2013	Toluene	26244	U
P6R7I	8020	3/5/2013	3/13/2013	1,1,1-Trichloroethane	26244	248,268.24
P6R7I	8020	3/5/2013	3/13/2013	1,1,2,2-Tetrachloroethane	26244	U
P6R7I	8020	3/5/2013	3/13/2013	1,1-Dichloroethylene	26244	U
P6R7I	8020	3/5/2013	3/13/2013	1,2-Dichloroethane	26244	U
P6R7I	8020	3/5/2013	3/13/2013	Carbon Tetrachloride	26244	1,168,382.88
P6R7I	8020	3/5/2013	3/13/2013	Chlorobenzene	26244	U
P6R7I	8020	3/5/2013	3/13/2013	Chloroform	26244	64,560.24
P6R7I	8020	3/5/2013	3/13/2013	Methylene Chloride	26244	7,085.88 J
P6R7I	8020	3/5/2013	3/13/2013	Toluene	26244	U
P6R7I	8058 R	3/19/2013	3/26/2013	1,1,1-Trichloroethane	2916	29,830.68
P6R7I	8058 R	3/19/2013	3/26/2013	1,1,2,2-Tetrachloroethane	2916	U
P6R7I	8058 R	3/19/2013	3/26/2013	1,1-Dichloroethylene	2916	U
P6R7I	8058 R	3/19/2013	3/26/2013	1,2-Dichloroethane	2916	U
P6R7I	8058 R	3/19/2013	3/26/2013	Carbon Tetrachloride	2916	132,182.28
P6R7I	8058 R	3/19/2013	3/26/2013	Chlorobenzene	2916	U
P6R7I	8058 R	3/19/2013	3/26/2013	Chloroform	2916	8,399.76

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R7I	8058 R	3/19/2013	3/28/2013	Methylene Chloride	2916	1,137.24 J
P6R7I	8058 R	3/19/2013	3/26/2013	Toluene	2916	174.96 J
P6R7I	8080	4/2/2013	4/11/2013	1,1,1-Trichloroethane	29524.5	369,056.25
P6R7I	8080	4/2/2013	4/11/2013	1,1,2,2-Tetrachloroethane	29524.5	U
P6R7I	8080	4/2/2013	4/11/2013	1,1-Dichloroethylene	29524.5	U
P6R7I	8080	4/2/2013	4/11/2013	1,2-Dichloroethane	29524.5	U
P6R7I	8080	4/2/2013	4/11/2013	Carbon Tetrachloride	29524.5	1,581,036.98
P6R7I	8080	4/2/2013	4/11/2013	Chlorobenzene	29524.5	U
P6R7I	8080	4/2/2013	4/11/2013	Chloroform	29524.5	97,726.10
P6R7I	8080	4/2/2013	4/11/2013	Methylene Chloride	29524.5	11,809.80 J
P6R7I	8080	4/2/2013	4/11/2013	Toluene	29524.5	2,361.96 J
P6R7I	8130	4/16/2013	4/24/2013	1,1,1-Trichloroethane	29524.5	327,426.71
P6R7I	8130	4/16/2013	4/24/2013	1,1,2,2-Tetrachloroethane	29524.5	U
P6R7I	8130	4/16/2013	4/24/2013	1,1-Dichloroethylene	29524.5	U
P6R7I	8130	4/16/2013	4/24/2013	1,2-Dichloroethane	29524.5	U
P6R7I	8130	4/16/2013	4/24/2013	Carbon Tetrachloride	29524.5	1,472,977.31
P6R7I	8130	4/16/2013	4/24/2013	Chlorobenzene	29524.5	U
P6R7I	8130	4/16/2013	4/24/2013	Chloroform	29524.5	87,392.52
P6R7I	8130	4/16/2013	4/24/2013	Methylene Chloride	29524.5	11,809.80 J
P6R7I	8130	4/16/2013	4/24/2013	Toluene	29524.5	1,771.47 J
P6R7I	8154	4/30/2013	5/8/2013	1,1,1-Trichloroethane	29524.5	388,542.42
P6R7I	8154	4/30/2013	5/8/2013	1,1,2,2-Tetrachloroethane	29524.5	U
P6R7I	8154	4/30/2013	5/8/2013	1,1-Dichloroethylene	29524.5	U
P6R7I	8154	4/30/2013	5/8/2013	1,2-Dichloroethane	29524.5	U
P6R7I	8154	4/30/2013	5/8/2013	Carbon Tetrachloride	29524.5	1,696,477.77
P6R7I	8154	4/30/2013	5/8/2013	Chlorobenzene	29524.5	U
P6R7I	8154	4/30/2013	5/8/2013	Chloroform	29524.5	104,221.49

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R7I	8154	4/30/2013	5/8/2013	Methylene Chloride	29524.5	12,990.78 J
P6R7I	8154	4/30/2013	5/8/2013	Toluene	29524.5	2,657.21 J
P6R7I	8204	5/13/2013	5/28/2013	1,1,1-Trichloroethane	29524.5	466,191.86
P6R7I	8204	5/13/2013	5/28/2013	1,1,2,2-Tetrachloroethane	29524.5	U
P6R7I	8204	5/13/2013	5/28/2013	1,1-Dichloroethylene	29524.5	U
P6R7I	8204	5/13/2013	5/28/2013	1,2-Dichloroethane	29524.5	U
P6R7I	8204	5/13/2013	5/28/2013	Carbon Tetrachloride	29524.5	2,068,781.72
P6R7I	8204	5/13/2013	5/28/2013	Chlorobenzene	29524.5	U
P6R7I	8204	5/13/2013	5/28/2013	Chloroform	29524.5	117,212.27
P6R7I	8204	5/13/2013	5/28/2013	Methylene Chloride	29524.5	15,352.74 J
P6R7I	8204	5/13/2013	5/28/2013	Toluene	29524.5	2,657.21 J
P6R7I	8224	5/28/2013	6/5/2013	1,1,1-Trichloroethane	29524.5	346,617.63
P6R7I	8224	5/28/2013	6/5/2013	1,1,2,2-Tetrachloroethane	29524.5	U
P6R7I	8224	5/28/2013	6/5/2013	1,1-Dichloroethylene	29524.5	U
P6R7I	8224	5/28/2013	6/5/2013	1,2-Dichloroethane	29524.5	U
P6R7I	8224	5/28/2013	6/5/2013	Carbon Tetrachloride	29524.5	1,596,684.96
P6R7I	8224	5/28/2013	6/5/2013	Chlorobenzene	29524.5	U
P6R7I	8224	5/28/2013	6/5/2013	Chloroform	29524.5	87,983.01
P6R7I	8224	5/28/2013	6/5/2013	Methylene Chloride	29524.5	11,219.31 J
P6R7I	8224	5/28/2013	6/5/2013	Toluene	29524.5	1,771.47 J
P6R7I	8278	6/9/2013	6/21/2013	1,1,1-Trichloroethane	29524.5	328,017.20
P6R7I	8278	6/9/2013	6/21/2013	1,1,2,2-Tetrachloroethane	29524.5	U
P6R7I	8278	6/9/2013	6/21/2013	1,1-Dichloroethylene	29524.5	U
P6R7I	8278	6/9/2013	6/21/2013	1,2-Dichloroethane	29524.5	U
P6R7I	8278	6/9/2013	6/21/2013	Carbon Tetrachloride	29524.5	1,383,518.07
P6R7I	8278	6/9/2013	6/21/2013	Chlorobenzene	29524.5	U
P6R7I	8278	6/9/2013	6/21/2013	Chloroform	29524.5	93,887.91

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Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P6R7I	8278	6/9/2013	6/21/2013	Methylene Chloride	29524.5	12,105.05 J
P6R7I	8278	6/9/2013	6/21/2013	Toluene	29524.5	U
P6R7I	8298	6/25/2013	7/12/2013	1,1,1-Trichloroethane	19683	384,015.33
P6R7I	8298	6/25/2013	7/12/2013	1,1,2,2-Tetrachloroethane	19683	U
P6R7I	8298	6/25/2013	7/12/2013	1,1-Dichloroethylene	19683	U
P6R7I	8298	6/25/2013	7/12/2013	1,2-Dichloroethane	19683	U
P6R7I	8298	6/25/2013	7/12/2013	Carbon Tetrachloride	19683	1,701,201.69
P6R7I	8298	6/25/2013	7/12/2013	Chlorobenzene	19683	U
P6R7I	8298	6/25/2013	7/12/2013	Chloroform	19683	97,627.68
P6R7I	8298	6/25/2013	7/12/2013	Methylene Chloride	19683	10,825.65 J
P6R7I	8298	6/25/2013	7/12/2013	Toluene	19683	1,377.81J

**Notes:**

Shaded data indicate a non-routine result for a sampling event. Additional details are provided in section 3.2 of this report.

Descriptions for qualifiers (i.e., R, U and J) are presented in section 1.2 of this report.

MRL = method reporting limit, adjusted to compensate for dilutions, as applicable. Additional details are presented in section 1.2 of this report.  
ppbv = parts per billion by volume.

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## Attachment 3 – Ongoing Disposal Room VOC Monitoring Results

## P3R1E – Ongoing Disposal Room VOC Monitoring Results for Panel 3 Room 1 Exhaust

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P3R1E	7876	1/8/2013	1/18/2013	1,1,1-Trichloroethane	81	3,674.97
P3R1E	7876	1/8/2013	1/18/2013	1,1,2,2-Tetrachloroethane	81	U
P3R1E	7876	1/8/2013	1/18/2013	1,1-Dichloroethylene	81	25.92 J
P3R1E	7876	1/8/2013	1/18/2013	1,2-Dichloroethane	81	8.10 J
P3R1E	7876	1/8/2013	1/18/2013	Carbon Tetrachloride	81	4,594.32
P3R1E	7876	1/8/2013	1/18/2013	Chlorobenzene	81	U
P3R1E	7876	1/8/2013	1/18/2013	Chloroform	81	130.41
P3R1E	7876	1/8/2013	1/18/2013	Methylene Chloride	81	999.54
P3R1E	7876	1/8/2013	1/18/2013	Toluene	81	55.89 J
P3R1E	7939	2/5/2013	2/18/2013	1,1,1-Trichloroethane	54	1,659.96
P3R1E	7939	2/5/2013	2/18/2013	1,1,2,2-Tetrachloroethane	54	5.94 J
P3R1E	7939	2/5/2013	2/18/2013	1,1-Dichloroethylene	54	22.68 J
P3R1E	7939	2/5/2013	2/18/2013	1,2-Dichloroethane	54	5.94 J
P3R1E	7939	2/5/2013	2/18/2013	Carbon Tetrachloride	54	2,286.90
P3R1E	7939	2/5/2013	2/18/2013	Chlorobenzene	54	U
P3R1E	7939	2/5/2013	2/18/2013	Chloroform	54	83.70
P3R1E	7939	2/5/2013	2/18/2013	Methylene Chloride	54	432.54
P3R1E	7939	2/5/2013	2/18/2013	Toluene	54	45.90 J
P3R1E	8012	3/5/2013	3/14/2013	1,1,1-Trichloroethane	72	2,496.24
P3R1E	8012	3/5/2013	3/14/2013	1,1,2,2-Tetrachloroethane	72	U
P3R1E	8012	3/5/2013	3/14/2013	1,1-Dichloroethylene	72	23.04 J
P3R1E	8012	3/5/2013	3/14/2013	1,2-Dichloroethane	72	5.76 J
P3R1E	8012	3/5/2013	3/14/2013	Carbon Tetrachloride	72	3,356.64

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## Attachment 3 – Ongoing Disposal Room VOC Monitoring Results

## P3R1E – Ongoing Disposal Room VOC Monitoring Results for Panel 3 Room 1 Exhaust

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P3R1E	8012	3/5/2013	3/14/2013	Chlorobenzene	72	U
P3R1E	8012	3/5/2013	3/14/2013	Chloroform	72	89.28
P3R1E	8012	3/5/2013	3/14/2013	Methylene Chloride	72	577.44
P3R1E	8012	3/5/2013	3/14/2013	Toluene	72	36.72 J
P3R1E	8098	4/2/2013	4/12/2013	1,1,1-Trichloroethane	54	2,120.04
P3R1E	8098	4/2/2013	4/12/2013	1,1,2,2-Tetrachloroethane	54	U
P3R1E	8098	4/2/2013	4/12/2013	1,1-Dichloroethylene	54	24.30 J
P3R1E	8098	4/2/2013	4/12/2013	1,2-Dichloroethane	54	U
P3R1E	8098	4/2/2013	4/12/2013	Carbon Tetrachloride	54	2,631.96
P3R1E	8098	4/2/2013	4/12/2013	Chlorobenzene	54	U
P3R1E	8098	4/2/2013	4/12/2013	Chloroform	54	86.40
P3R1E	8098	4/2/2013	4/12/2013	Methylene Chloride	54	540.54
P3R1E	8098	4/2/2013	4/12/2013	Toluene	54	58.32
P3R1E	8197	5/14/2013	5/29/2013	1,1,1-Trichloroethane	108	3,757.32
P3R1E	8197	5/14/2013	5/29/2013	1,1,2,2-Tetrachloroethane	108	U
P3R1E	8197	5/14/2013	5/29/2013	1,1-Dichloroethylene	108	34.56 J
P3R1E	8197	5/14/2013	5/29/2013	1,2-Dichloroethane	108	U
P3R1E	8197	5/14/2013	5/29/2013	Carbon Tetrachloride	108	4,988.52
P3R1E	8197	5/14/2013	5/29/2013	Chlorobenzene	108	U
P3R1E	8197	5/14/2013	5/29/2013	Chloroform	108	150.12
P3R1E	8197	5/14/2013	5/29/2013	Methylene Chloride	108	908.28
P3R1E	8197	5/14/2013	5/29/2013	Toluene	108	85.32 J
P3R1E	8271	6/10/2013	6/22/2013	1,1,1-Trichloroethane	162	5,248.80

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Attachment 3 – Ongoing Disposal Room VOC Monitoring Results

**P3R1E – Ongoing Disposal Room VOC Monitoring Results for Panel 3 Room 1 Exhaust**

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P3R1E	8271	6/10/2013	6/22/2013	1,1,2,2-Tetrachloroethane	162	U
P3R1E	8271	6/10/2013	6/22/2013	1,1-Dichloroethylene	162	50.22 J
P3R1E	8271	6/10/2013	6/22/2013	1,2-Dichloroethane	162	14.58 J
P3R1E	8271	6/10/2013	6/22/2013	Carbon Tetrachloride	162	7,541.10
P3R1E	8271	6/10/2013	6/22/2013	Chlorobenzene	162	U
P3R1E	8271	6/10/2013	6/22/2013	Chloroform	162	252.72
P3R1E	8271	6/10/2013	6/22/2013	Methylene Chloride	162	1,317.06
P3R1E	8271	6/10/2013	6/22/2013	Toluene	162	110.16 J

**Notes:**

Descriptions for qualifiers (i.e., U and J) are presented in section 1.2 of this report.

MRL = method reporting limit, adjusted to compensate for dilutions, as applicable. Additional details are presented in section 1.2 of this report.  
ppbv = parts per billion by volume.

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## Attachment 3 – Ongoing Disposal Room VOC Monitoring Results

## P4R1E – Ongoing Disposal Room VOC Monitoring Results for Panel 4 Room 1 Exhaust

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P4R1E	7901	1/15/2013	1/23/2013	1,1,1-Trichloroethane	17496	117,923.04
P4R1E	7901	1/15/2013	1/23/2013	1,1,2,2-Tetrachloroethane	17496	U
P4R1E	7901	1/15/2013	1/23/2013	1,1-Dichloroethylene	17496	U
P4R1E	7901	1/15/2013	1/23/2013	1,2-Dichloroethane	17496	U
P4R1E	7901	1/15/2013	1/23/2013	Carbon Tetrachloride	17496	761,425.92
P4R1E	7901	1/15/2013	1/23/2013	Chlorobenzene	17496	U
P4R1E	7901	1/15/2013	1/23/2013	Chloroform	17496	53,537.76
P4R1E	7901	1/15/2013	1/23/2013	Methylene Chloride	17496	19,420.56
P4R1E	7901	1/15/2013	1/23/2013	Toluene	17496	U
P4R1E	7968	2/12/2013	2/25/2013	1,1,1-Trichloroethane	8748	62,285.76
P4R1E	7968	2/12/2013	2/25/2013	1,1,2,2-Tetrachloroethane	8748	U
P4R1E	7968	2/12/2013	2/25/2013	1,1-Dichloroethylene	8748	U
P4R1E	7968	2/12/2013	2/25/2013	1,2-Dichloroethane	8748	U
P4R1E	7968	2/12/2013	2/25/2013	Carbon Tetrachloride	8748	345,895.92
P4R1E	7968	2/12/2013	2/25/2013	Chlorobenzene	8748	U
P4R1E	7968	2/12/2013	2/25/2013	Chloroform	8748	25,806.60
P4R1E	7968	2/12/2013	2/25/2013	Methylene Chloride	8748	10,410.12
P4R1E	7968	2/12/2013	2/25/2013	Toluene	8748	1,049.76 J
P4R1E	8040	3/12/2013	3/22/2013	1,1,1-Trichloroethane	17496	106,200.72
P4R1E	8040	3/12/2013	3/22/2013	1,1,2,2-Tetrachloroethane	17496	U
P4R1E	8040	3/12/2013	3/22/2013	1,1-Dichloroethylene	17496	U
P4R1E	8040	3/12/2013	3/22/2013	1,2-Dichloroethane	17496	U
P4R1E	8040	3/12/2013	3/22/2013	Carbon Tetrachloride	17496	616,734.00

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## Attachment 3 – Ongoing Disposal Room VOC Monitoring Results

## P4R1E – Ongoing Disposal Room VOC Monitoring Results for Panel 4 Room 1 Exhaust

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P4R1E	8040	3/12/2013	3/22/2013	Chlorobenzene	17496	U
P4R1E	8040	3/12/2013	3/22/2013	Chloroform	17496	45,314.64
P4R1E	8040	3/12/2013	3/22/2013	Methylene Chloride	17496	20,820.24
P4R1E	8040	3/12/2013	3/22/2013	Toluene	17496	1,924.56 J
P4R1E	8114	4/9/2013	4/17/2013	1,1,1-Trichloroethane	13122	130,563.90
P4R1E	8114	4/9/2013	4/17/2013	1,1,2,2-Tetrachloroethane	13122	U
P4R1E	8114	4/9/2013	4/17/2013	1,1-Dichloroethylene	13122	U
P4R1E	8114	4/9/2013	4/17/2013	1,2-Dichloroethane	13122	U
P4R1E	8114	4/9/2013	4/17/2013	Carbon Tetrachloride	13122	737,981.28
P4R1E	8114	4/9/2013	4/17/2013	Chlorobenzene	13122	U
P4R1E	8114	4/9/2013	4/17/2013	Chloroform	13122	49,863.60
P4R1E	8114	4/9/2013	4/17/2013	Methylene Chloride	13122	21,388.86
P4R1E	8114	4/9/2013	4/17/2013	Toluene	13122	1,968.30 J
P4R1E	8173	5/7/2013	5/21/2013	1,1,1-Trichloroethane	17496	144,342.00
P4R1E	8173	5/7/2013	5/21/2013	1,1,2,2-Tetrachloroethane	17496	U
P4R1E	8173	5/7/2013	5/21/2013	1,1-Dichloroethylene	17496	U
P4R1E	8173	5/7/2013	5/21/2013	1,2-Dichloroethane	17496	U
P4R1E	8173	5/7/2013	5/21/2013	Carbon Tetrachloride	17496	856,429.20
P4R1E	8173	5/7/2013	5/21/2013	Chlorobenzene	17496	U
P4R1E	8173	5/7/2013	5/21/2013	Chloroform	17496	55,287.36
P4R1E	8173	5/7/2013	5/21/2013	Methylene Chloride	17496	24,144.48
P4R1E	8173	5/7/2013	5/21/2013	Toluene	17496	1,924.56 J
P4R1E	8257	6/3/2013	6/14/2013	1,1,1-Trichloroethane	5832	40,532.40

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Attachment 3 – Ongoing Disposal Room VOC Monitoring Results

**P4R1E – Ongoing Disposal Room VOC Monitoring Results for Panel 4 Room 1 Exhaust**

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppbv)	Concentration (ppbv)
P4R1E	8257	6/3/2013	6/14/2013	1,1,2,2-Tetrachloroethane	5832	U
P4R1E	8257	6/3/2013	6/14/2013	1,1-Dichloroethylene	5832	U
P4R1E	8257	6/3/2013	6/14/2013	1,2-Dichloroethane	5832	U
P4R1E	8257	6/3/2013	6/14/2013	Carbon Tetrachloride	5832	231,705.36
P4R1E	8257	6/3/2013	6/14/2013	Chlorobenzene	5832	U
P4R1E	8257	6/3/2013	6/14/2013	Chloroform	5832	16,096.32
P4R1E	8257	6/3/2013	6/14/2013	Methylene Chloride	5832	7,348.32
P4R1E	8257	6/3/2013	6/14/2013	Toluene	5832	874.80 J

**Notes:**

Descriptions for qualifiers (i.e., U and J) are presented in section 1.2 of this report.

MRL = method reporting limit, adjusted to compensate for dilutions, as applicable. Additional details are presented in section 1.2 of this report.

ppbv = parts per billion by volume.

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Tetrachloroethylene	127-18-4	VOC-A	7845	1/2/2013	1/10/2013		20.52 NJ
Tetrachloroethylene	127-18-4	VOC-A	7847	1/3/2013	1/10/2013		7.08 NJ
Tetrachloroethylene	127-18-4	VOC-A	7853	1/8/2013	1/17/2013		12.24 NJ
Tetrachloroethylene	127-18-4	VOC-A	7855	1/9/2013	1/17/2013		11.20 NJ
Tetrachloroethylene	127-18-4	VOC-A	7879	1/15/2013	1/23/2013		8.96 NJ
Tetrachloroethylene	127-18-4	VOC-A	7881	1/16/2013	1/23/2013		4.50 NJ
Tetrachloroethylene	127-18-4	VOC-A	7903	1/22/2013	2/1/2013		20.07 NJ
Tetrachloroethylene	127-18-4	VOC-A	7905	1/23/2013	2/1/2013		24.75 NJ
Tetrachloroethylene	127-18-4	VOC-A	7919	1/29/2013	2/8/2013		16.50 NJ
Tetrachloroethylene	127-18-4	VOC-A	7921	1/30/2013	2/8/2013		13.74 NJ
Tetrachloroethylene	127-18-4	VOC-A	7941	2/5/2013	2/15/2013		15.48 NJ
Tetrachloroethylene	127-18-4	VOC-A	7945	2/6/2013	2/15/2013		18.00 NJ
Tetrachloroethylene	127-18-4	VOC-A	7971	2/12/2013	2/20/2013		6.90 NJ
Tetrachloroethylene	127-18-4	VOC-A	7973	2/13/2013	2/20/2013		6.06 NJ
Tetrachloroethylene	127-18-4	VOC-A	7981	2/19/2013	2/28/2013		16.38 NJ
Tetrachloroethylene	127-18-4	VOC-A	7983	2/20/2013	2/28/2013		26.19 NJ
Tetrachloroethylene	127-18-4	VOC-A	7991	2/26/2013	3/5/2013		16.68 NJ
Tetrachloroethylene	127-18-4	VOC-A	7993	2/27/2013	3/5/2013		9.09 NJ
Tetrachloroethylene	127-18-4	VOC-A	8015	3/5/2013	3/13/2013		12.56 NJ
Tetrachloroethylene	127-18-4	VOC-A	8017	3/6/2013	3/13/2013		20.61 NJ
Tetrachloroethylene	127-18-4	VOC-A	8043	3/12/2013	3/20/2013		7.05 NJ
Tetrachloroethylene	127-18-4	VOC-A	8045	3/13/2013	3/20/2013		12.56 NJ
Tetrachloroethylene	127-18-4	VOC-A	8053	3/19/2013	3/26/2013		13.17 NJ
Tetrachloroethylene	127-18-4	VOC-A	8055	3/20/2013	3/26/2013		16.08 NJ
Tetrachloroethylene	127-18-4	VOC-A	8065	3/25/2013	4/2/2013		11.37 NJ
Tetrachloroethylene	127-18-4	VOC-A	8067	3/26/2013	4/2/2013		8.73 NJ
Tetrachloroethylene	127-18-4	VOC-A	8073	4/2/2013	4/11/2013		12.51 NJ
Tetrachloroethylene	127-18-4	VOC-A	8077	4/3/2013	4/11/2013		13.68 NJ
Tetrachloroethylene	127-18-4	VOC-A	8117	4/9/2013	4/17/2013		11.80 NJ
Tetrachloroethylene	127-18-4	VOC-A	8119	4/10/2013	4/17/2013		11.80 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Tetrachloroethylene	127-18-4	VOC-A	8125	4/16/2013	4/24/2013		12.76 NJ
Tetrachloroethylene	127-18-4	VOC-A	8127	4/17/2013	4/24/2013		25.02 NJ
Tetrachloroethylene	127-18-4	VOC-A	8137	4/23/2013	4/29/2013		22.03 NJ
Tetrachloroethylene	127-18-4	VOC-A	8139	4/24/2013	4/29/2013		17.92 NJ
Tetrachloroethylene	127-18-4	VOC-A	8149	4/30/2013	5/8/2013		16.56 NJ
Tetrachloroethylene	127-18-4	VOC-A	8151	5/1/2013	5/8/2013		11.36 NJ
Tetrachloroethylene	127-18-4	VOC-A	8175	5/7/2013	5/20/2013		18.90 NJ
Tetrachloroethylene	127-18-4	VOC-A	8177	5/8/2013	5/20/2013		15.64 NJ
Tetrachloroethylene	127-18-4	VOC-A	8199	5/14/2013	5/28/2013		3.65 NJ
Tetrachloroethylene	127-18-4	VOC-A	8201	5/15/2013	5/28/2013		7.48 NJ
Tetrachloroethylene	127-18-4	VOC-A	8211	5/21/2013	6/3/2013		1.87 NJ
Tetrachloroethylene	127-18-4	VOC-A	8213	5/22/2013	6/3/2013		3.41 NJ
Tetrachloroethylene	127-18-4	VOC-A	8221	5/28/2013	6/5/2013		6.64 NJ
Tetrachloroethylene	127-18-4	VOC-A	8223	5/29/2013	6/5/2013		6.20 NJ
Tetrachloroethylene	127-18-4	VOC-A	8231	6/3/2013	6/12/2013		35.37 NJ
Tetrachloroethylene	127-18-4	VOC-A	8235	6/4/2013	6/12/2013		36.86 NJ
Tetrachloroethylene	127-18-4	VOC-A	8273	6/9/2013	6/21/2013		22.92 NJ
Tetrachloroethylene	127-18-4	VOC-A	8275	6/10/2013	6/21/2013		29.22 NJ
Tetrachloroethylene	127-18-4	VOC-A	8285	6/18/2013	7/10/2013		29.04 NJ
Tetrachloroethylene	127-18-4	VOC-A	8287	6/19/2013	7/10/2013		25.50 NJ
Tetrachloroethylene	127-18-4	VOC-A	8295	6/25/2013	7/12/2013		12.54 NJ
Tetrachloroethylene	127-18-4	VOC-A	8297	6/26/2013	7/12/2013		9.12 NJ
Tetrachloroethylene	127-18-4	P3R1E	7876	1/8/2013	1/18/2013		98.82 NJ
Tetrachloroethylene	127-18-4	P3R1E	7939	2/5/2013	2/18/2013		69.66 NJ
Tetrachloroethylene	127-18-4	P3R1E	8098	4/2/2013	4/12/2013		78.84 NJ
Tetrachloroethylene	127-18-4	P3R1E	8197	5/14/2013	5/29/2013		117.72 NJ
Tetrachloroethylene	127-18-4	P4R1E	7901	1/15/2013	1/23/2013		23,619.60 NJ
Tetrachloroethylene	127-18-4	P4R1E	7968	2/12/2013	2/25/2013		16,096.32 NJ
Tetrachloroethylene	127-18-4	P4R1E	8040	3/12/2013	3/22/2013		27,293.76 NJ
Tetrachloroethylene	127-18-4	P4R1E	8114	4/9/2013	4/17/2013		28,343.52 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Tetrachloroethylene	127-18-4	P4R1E	8173	5/7/2013	5/21/2013		33,592.32 NJ
Tetrachloroethylene	127-18-4	P4R1E	8257	6/3/2013	6/14/2013		11,139.12 NJ
Tetrachloroethylene	127-18-4	P6R1E	8147	4/24/2013	4/29/2013		37.64 NJ
Tetrachloroethylene	127-18-4	P6R1E	8182	5/7/2013	5/20/2013		37.04 NJ
Tetrachloroethylene	127-18-4	P6R1E	8216	5/21/2013	6/3/2013		34.72 NJ
Tetrachloroethylene	127-18-4	P6R1E	8239	6/3/2013	6/12/2013		22.05 NJ
Tetrachloroethylene	127-18-4	P6R1E	8291	6/18/2013	7/10/2013		23.31 NJ
Tetrachloroethylene	127-18-4	P6R2E	7863	1/9/2013	1/18/2013		2.57 NJ
Tetrachloroethylene	127-18-4	P6R2E	7911	1/23/2013	2/1/2013		10.95 NJ
Tetrachloroethylene	127-18-4	P6R2E	7953	2/6/2013	2/18/2013		13.96 NJ
Tetrachloroethylene	127-18-4	P6R2E	8023	3/6/2013	3/13/2013		9.90 NJ
Tetrachloroethylene	127-18-4	P6R2E	8063	3/20/2013	3/27/2013		10.82 NJ
Tetrachloroethylene	127-18-4	P6R2E	8084	4/3/2013	4/12/2013		14.32 NJ
Tetrachloroethylene	127-18-4	P6R2E	8135	4/17/2013	4/25/2013		41.52 NJ
Tetrachloroethylene	127-18-4	P6R2E	8158	5/1/2013	5/9/2013		31.62 NJ
Tetrachloroethylene	127-18-4	P6R2E	8209	5/14/2013	5/29/2013		63.18 NJ
Tetrachloroethylene	127-18-4	P6R2E	8230	5/29/2013	6/6/2013		61.32 NJ
Tetrachloroethylene	127-18-4	P6R2E	8283	6/10/2013	6/22/2013		36.52 NJ
Tetrachloroethylene	127-18-4	P6R2E	8304	6/26/2013	7/13/2013		1.65 NJ
Tetrachloroethylene	127-18-4	P6R3E	7862	1/8/2013	1/17/2013		2.83 NJ
Tetrachloroethylene	127-18-4	P6R3E	7909	1/22/2013	2/1/2013		1.08 NJ
Tetrachloroethylene	127-18-4	P6R3E	8131	4/16/2013	4/24/2013		1.12 NJ
Tetrachloroethylene	127-18-4	P6R3E	8155	4/30/2013	5/8/2013		1.59 NJ
Tetrachloroethylene	127-18-4	P6R3E	8206	5/13/2013	5/28/2013		2.98 NJ
Tetrachloroethylene	127-18-4	P6R3E	8226	5/28/2013	6/5/2013		9.56 NJ
Tetrachloroethylene	127-18-4	P6R3E	8279	6/9/2013	6/21/2013		2.06 NJ
Tetrachloroethylene	127-18-4	P6R3E	8300	6/25/2013	7/12/2013		119.52 NJ
Tetrachloroethylene	127-18-4	P6R3I	8305	6/25/2013	7/13/2013		4.33 NJ
Tetrachloroethylene	127-18-4	P6R4E	7848	1/2/2013	1/10/2013		2,451.87 NJ
Tetrachloroethylene	127-18-4	P6R4E	7885	1/16/2013	1/23/2013		1,611.90 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Tetrachloroethylene	127-18-4	P6R4E	7925	1/30/2013	2/8/2013		1,528.47 NJ
Tetrachloroethylene	127-18-4	P6R4E	7976	2/13/2013	2/20/2013		1,446.12 NJ
Tetrachloroethylene	127-18-4	P6R4E	7998	2/27/2013	3/5/2013		10.28 NJ
Tetrachloroethylene	127-18-4	P6R4E	8049	3/13/2013	3/20/2013		606.42 NJ
Tetrachloroethylene	127-18-4	P6R4E	8071	3/26/2013	4/3/2013		1,168.56 NJ
Tetrachloroethylene	127-18-4	P6R4E	8124	4/10/2013	4/17/2013		808.92 NJ
Tetrachloroethylene	127-18-4	P6R4E	8143	4/24/2013	4/29/2013		768.42 NJ
Tetrachloroethylene	127-18-4	P6R4E	8183	5/8/2013	5/20/2013		783.54 NJ
Tetrachloroethylene	127-18-4	P6R4E	8217	5/22/2013	6/3/2013		703.08 NJ
Tetrachloroethylene	127-18-4	P6R4E	8242	6/4/2013	6/13/2013		321.30 NJ
Tetrachloroethylene	127-18-4	P6R4E	8293	6/19/2013	7/11/2013		116.40 NJ
Tetrachloroethylene	127-18-4	P6R4I	7849	1/2/2013	1/10/2013		1,433.70 NJ
Tetrachloroethylene	127-18-4	P6R4I	7886	1/16/2013	1/23/2013		1,777.14 NJ
Tetrachloroethylene	127-18-4	P6R4I	7924	1/30/2013	2/8/2013		1,132.92 NJ
Tetrachloroethylene	127-18-4	P6R4I	7977	2/13/2013	2/20/2013		1,208.93 NJ
Tetrachloroethylene	127-18-4	P6R4I	7999	2/27/2013	3/5/2013		494.51 NJ
Tetrachloroethylene	127-18-4	P6R4I	8050	3/13/2013	3/21/2013		1,202.04 NJ
Tetrachloroethylene	127-18-4	P6R4I	8070	3/26/2013	4/3/2013		725.76 NJ
Tetrachloroethylene	127-18-4	P6R4I	8122	4/10/2013	4/17/2013		492.08 NJ
Tetrachloroethylene	127-18-4	P6R4I	8144	4/24/2013	4/29/2013		375.03 NJ
Tetrachloroethylene	127-18-4	P6R4I	8184	5/8/2013	5/20/2013		360.45 NJ
Tetrachloroethylene	127-18-4	P6R4I	8219	5/22/2013	6/3/2013		445.50 NJ
Tetrachloroethylene	127-18-4	P6R4I	8240	6/4/2013	6/12/2013		113.67 NJ
Tetrachloroethylene	127-18-4	P6R4I	8292	6/19/2013	7/10/2013		64.36 NJ
Tetrachloroethylene	127-18-4	P6R5E	7850	1/3/2013	1/10/2013		10,964.16 NJ
Tetrachloroethylene	127-18-4	P6R5E	7882	1/15/2013	1/23/2013		2,060.64 NJ
Tetrachloroethylene	127-18-4	P6R5E	7923	1/29/2013	2/8/2013		25,748.28 NJ
Tetrachloroethylene	127-18-4	P6R5E	7974	2/12/2013	2/20/2013		19,303.92 NJ
Tetrachloroethylene	127-18-4	P6R5E	7995 R	2/26/2013	3/5/2013		492.48 NJ
Tetrachloroethylene	127-18-4	P6R5E	8046	3/12/2013	3/20/2013		17,692.83 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Tetrachloroethylene	127-18-4	P6R5E	8069	3/25/2013	4/2/2013		22,103.28 NJ
Tetrachloroethylene	127-18-4	P6R5E	8121	4/9/2013	4/17/2013		28,431.00 NJ
Tetrachloroethylene	127-18-4	P6R5E	8145	4/23/2013	4/29/2013		24,439.73 NJ
Tetrachloroethylene	127-18-4	P6R5E	8179	5/7/2013	5/20/2013		35,473.14 NJ
Tetrachloroethylene	127-18-4	P6R5E	8215	5/21/2013	6/3/2013		25,369.20 NJ
Tetrachloroethylene	127-18-4	P6R5E	8237	6/3/2013	6/12/2013		17,845.92 NJ
Tetrachloroethylene	127-18-4	P6R5E	8289	6/18/2013	7/10/2013		17,299.17 NJ
Tetrachloroethylene	127-18-4	P6R5I	7852	1/3/2013	1/10/2013		14,973.66 NJ
Tetrachloroethylene	127-18-4	P6R5I	7883	1/15/2013	1/23/2013		16,555.59 NJ
Tetrachloroethylene	127-18-4	P6R5I	7922	1/29/2013	2/8/2013		27,352.08 NJ
Tetrachloroethylene	127-18-4	P6R5I	7975	2/12/2013	2/20/2013		27,352.08 NJ
Tetrachloroethylene	127-18-4	P6R5I	7997	2/26/2013	3/5/2013		23,386.32 NJ
Tetrachloroethylene	127-18-4	P6R5I	8047	3/12/2013	3/20/2013		19,114.38 NJ
Tetrachloroethylene	127-18-4	P6R5I	8068	3/25/2013	4/2/2013		24,581.88 NJ
Tetrachloroethylene	127-18-4	P6R5I	8120	4/9/2013	4/17/2013		30,049.38 NJ
Tetrachloroethylene	127-18-4	P6R5I	8142	4/23/2013	4/29/2013		26,408.03 NJ
Tetrachloroethylene	127-18-4	P6R5I	8180	5/7/2013	5/20/2013		28,868.40 NJ
Tetrachloroethylene	127-18-4	P6R5I	8214	5/21/2013	6/3/2013		29,539.08 NJ
Tetrachloroethylene	127-18-4	P6R5I	8238	6/3/2013	6/12/2013		15,155.91 NJ
Tetrachloroethylene	127-18-4	P6R5I	8288	6/18/2013	7/10/2013		6,582.87 NJ
Tetrachloroethylene	127-18-4	P6R6E	7859	1/9/2013	1/17/2013		70,071.48 NJ
Tetrachloroethylene	127-18-4	P6R6E	7910	1/23/2013	2/1/2013		91,066.68 NJ
Tetrachloroethylene	127-18-4	P6R6E	7951	2/6/2013	2/15/2013		106,288.20 NJ
Tetrachloroethylene	127-18-4	P6R6E	7989	2/20/2013	2/28/2013		94,740.84 NJ
Tetrachloroethylene	127-18-4	P6R6E	8022	3/6/2013	3/13/2013		98,218.17 NJ
Tetrachloroethylene	127-18-4	P6R6E	8061	3/20/2013	3/26/2013		131,482.44 NJ
Tetrachloroethylene	127-18-4	P6R6E	8085	4/3/2013	4/12/2013		117,310.68 NJ
Tetrachloroethylene	127-18-4	P6R6E	8133	4/17/2013	4/24/2013		150,378.12 NJ
Tetrachloroethylene	127-18-4	P6R6E	8157	5/1/2013	5/8/2013		125,446.32 NJ
Tetrachloroethylene	127-18-4	P6R6E	8207	5/14/2013	5/28/2013		266,507.82 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Tetrachloroethylene	127-18-4	P6R6E	8229	5/29/2013	6/6/2013		131,351.22 NJ
Tetrachloroethylene	127-18-4	P6R6E	8280	6/10/2013	6/21/2013		92,903.76 NJ
Tetrachloroethylene	127-18-4	P6R6E	8301	6/26/2013	7/12/2013		123,478.02 NJ
Tetrachloroethylene	127-18-4	P6R6I	7861	1/9/2013	1/17/2013		74,707.92 NJ
Tetrachloroethylene	127-18-4	P6R6I	7916	1/23/2013	2/1/2013		101,695.50 NJ
Tetrachloroethylene	127-18-4	P6R6I	7952	2/6/2013	2/18/2013		85,030.56 NJ
Tetrachloroethylene	127-18-4	P6R6I	7988	2/20/2013	2/28/2013		83,193.48 NJ
Tetrachloroethylene	127-18-4	P6R6I	8024	3/6/2013	3/13/2013		92,247.66 NJ
Tetrachloroethylene	127-18-4	P6R6I	8060	3/20/2013	3/26/2013		114,751.89 NJ
Tetrachloroethylene	127-18-4	P6R6I	8082	4/3/2013	4/12/2013		145,063.71 NJ
Tetrachloroethylene	127-18-4	P6R6I	8134	4/17/2013	4/24/2013		145,654.20 NJ
Tetrachloroethylene	127-18-4	P6R6I	8156	5/1/2013	5/8/2013		132,663.42 NJ
Tetrachloroethylene	127-18-4	P6R6I	8208	5/14/2013	5/28/2013		155,889.36 NJ
Tetrachloroethylene	127-18-4	P6R6I	8228	5/29/2013	6/5/2013		120,984.84 NJ
Tetrachloroethylene	127-18-4	P6R6I	8282	6/10/2013	6/21/2013		97,627.68 NJ
Tetrachloroethylene	127-18-4	P6R6I	8302	6/26/2013	7/13/2013		105,304.05 NJ
Tetrachloroethylene	127-18-4	P6R7E	7857	1/8/2013	1/17/2013		251,155.08 NJ
Tetrachloroethylene	127-18-4	P6R7E	7907	1/22/2013	2/1/2013		285,534.72 NJ
Tetrachloroethylene	127-18-4	P6R7E	7979	2/8/2013	2/18/2013		356,131.08 NJ
Tetrachloroethylene	127-18-4	P6R7E	7985	2/19/2013	2/28/2013		213,101.28 NJ
Tetrachloroethylene	127-18-4	P6R7E	8025	3/6/2013	3/14/2013		319,651.92 NJ
Tetrachloroethylene	127-18-4	P6R7E	8057	3/19/2013	3/26/2013		346,420.80 NJ
Tetrachloroethylene	127-18-4	P6R7E	8079	4/2/2013	4/11/2013		355,474.98 NJ
Tetrachloroethylene	127-18-4	P6R7E	8129	4/16/2013	4/24/2013		371,221.38 NJ
Tetrachloroethylene	127-18-4	P6R7E	8152	4/30/2013	5/8/2013		372,402.36 NJ
Tetrachloroethylene	127-18-4	P6R7E	8203	5/13/2013	5/28/2013		321,521.81 NJ
Tetrachloroethylene	127-18-4	P6R7E	8225	5/28/2013	6/5/2013		309,416.76 NJ
Tetrachloroethylene	127-18-4	P6R7E	8277	6/9/2013	6/21/2013		261,587.07 NJ
Tetrachloroethylene	127-18-4	P6R7E	8299	6/25/2013	7/12/2013		323,850.96 NJ
Tetrachloroethylene	127-18-4	P6R7I	7858	1/8/2013	1/17/2013		186,594.84 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Tetrachloroethylene	127-18-4	P6R7I	7908	1/22/2013	2/1/2013		253,254.60 NJ
Tetrachloroethylene	127-18-4	P6R7I	7950	2/5/2013	2/15/2013		249,842.88 NJ
Tetrachloroethylene	127-18-4	P6R7I	7984	2/19/2013	2/28/2013		184,495.32 NJ
Tetrachloroethylene	127-18-4	P6R7I	8020	3/5/2013	3/13/2013		160,088.40 NJ
Tetrachloroethylene	127-18-4	P6R7I	8058 R	3/19/2013	3/26/2013		21,695.04 NJ
Tetrachloroethylene	127-18-4	P6R7I	8080	4/2/2013	4/11/2013		277,530.30 NJ
Tetrachloroethylene	127-18-4	P6R7I	8130	4/16/2013	4/24/2013		236,491.25 NJ
Tetrachloroethylene	127-18-4	P6R7I	8154	4/30/2013	5/8/2013		297,016.47 NJ
Tetrachloroethylene	127-18-4	P6R7I	8204	5/13/2013	5/28/2013		362,560.86 NJ
Tetrachloroethylene	127-18-4	P6R7I	8224	5/28/2013	6/5/2013		271,330.16 NJ
Tetrachloroethylene	127-18-4	P6R7I	8278	6/9/2013	6/21/2013		233,834.04 NJ
Tetrachloroethylene	127-18-4	P6R7I	8298	6/25/2013	7/12/2013		250,564.59 NJ
Trichloromonofluoromethane	75-69-4	VOC-A	8043	3/12/2013	3/20/2013		1.86 NJ
Trichloromonofluoromethane	75-69-4	P3R1E	7876	1/8/2013	1/18/2013		94.77 NJ
Trichloromonofluoromethane	75-69-4	P6R2E	7911	1/23/2013	2/1/2013		1.30 NJ
Trichloromonofluoromethane	75-69-4	P6R2E	8023	3/6/2013	3/13/2013		1.76 NJ
Trichloromonofluoromethane	75-69-4	P6R2E	8158	5/1/2013	5/9/2013		3.00 NJ
Trichloromonofluoromethane	75-69-4	P6R3E	8226	5/28/2013	6/5/2013		1.02 NJ
Trichloromonofluoromethane	75-69-4	P6R3E	8300	6/25/2013	7/12/2013		28.08 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	7848	1/2/2013	1/10/2013		434.97 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	7885	1/16/2013	1/23/2013		367.74 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	7925	1/30/2013	2/8/2013		236.93 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	7976	2/13/2013	2/20/2013		240.84 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	7998	2/27/2013	3/5/2013		1.92 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	8049	3/13/2013	3/20/2013		155.52 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	8071	3/26/2013	4/3/2013		200.88 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	8124	4/10/2013	4/17/2013		100.98 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	8143	4/24/2013	4/29/2013		103.68 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	8183	5/8/2013	5/20/2013		101.52 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	8217	5/22/2013	6/3/2013		98.82 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Trichloromonofluoromethane	75-69-4	P6R4E	8242	6/4/2013	6/13/2013		26.19 NJ
Trichloromonofluoromethane	75-69-4	P6R4E	8293	6/19/2013	7/11/2013		12.24 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	7849	1/2/2013	1/10/2013		302.54 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	7886	1/16/2013	1/23/2013		370.98 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	7924	1/30/2013	2/8/2013		187.92 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	7977	2/13/2013	2/20/2013		216.27 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	7999	2/27/2013	3/5/2013		81.81 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	8050	3/13/2013	3/21/2013		238.68 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	8070	3/26/2013	4/3/2013		115.02 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	8122	4/10/2013	4/17/2013		54.68 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	8144	4/24/2013	4/29/2013		46.71 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	8184	5/8/2013	5/20/2013		50.49 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	8219	5/22/2013	6/3/2013		58.59 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	8240	6/4/2013	6/12/2013		9.81 NJ
Trichloromonofluoromethane	75-69-4	P6R4I	8292	6/19/2013	7/10/2013		11.92 NJ
Trichloromonofluoromethane	75-69-4	P6R5E	7850	1/3/2013	1/10/2013		2,405.70 NJ
Trichloromonofluoromethane	75-69-4	P6R5E	7882	1/15/2013	1/23/2013		343.44 NJ
Trichloromonofluoromethane	75-69-4	P6R5E	7923	1/29/2013	2/8/2013		3,149.28 NJ
Trichloromonofluoromethane	75-69-4	P6R5E	7974	2/12/2013	2/20/2013		3,090.96 NJ
Trichloromonofluoromethane	75-69-4	P6R5E	7995 R	2/26/2013	3/5/2013		109.08 NJ
Trichloromonofluoromethane	75-69-4	P6R5E	8046	3/12/2013	3/20/2013		2,886.84 NJ
Trichloromonofluoromethane	75-69-4	P6R5E	8069	3/25/2013	4/2/2013		3,615.84 NJ
Trichloromonofluoromethane	75-69-4	P6R5E	8289	6/18/2013	7/10/2013		2,427.57 NJ
Trichloromonofluoromethane	75-69-4	P6R5I	7852	1/3/2013	1/10/2013		3,513.78 NJ
Trichloromonofluoromethane	75-69-4	P6R5I	7883	1/15/2013	1/23/2013		3,630.42 NJ
Trichloromonofluoromethane	75-69-4	P6R5I	7922	1/29/2013	2/8/2013		4,257.36 NJ
Trichloromonofluoromethane	75-69-4	P6R5I	7975	2/12/2013	2/20/2013		4,840.56 NJ
Trichloromonofluoromethane	75-69-4	P6R5I	7997	2/26/2013	3/5/2013		4,169.88 NJ
Trichloromonofluoromethane	75-69-4	P6R5I	8047	3/12/2013	3/20/2013		3,411.72 NJ
Trichloromonofluoromethane	75-69-4	P6R5I	8068	3/25/2013	4/2/2013		4,578.12 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Trichloromonofluoromethane	75-69-4	P6R5I	8120	4/9/2013	4/17/2013		4,035.02 NJ
Trichloromonofluoromethane	75-69-4	P6R5I	8214	5/21/2013	6/3/2013		3,382.56 NJ
Trichloromonofluoromethane	75-69-4	P6R5I	8288	6/18/2013	7/10/2013		816.48 NJ
Dichlorodifluoromethane	75-71-8	P6R3I	8305	6/25/2013	7/13/2013		1.04 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7845	1/2/2013	1/10/2013		37.80 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7847	1/3/2013	1/10/2013		16.59 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7855	1/9/2013	1/17/2013		16.20 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7879	1/15/2013	1/23/2013		18.44 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7881	1/16/2013	1/23/2013		8.61 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7903	1/22/2013	2/1/2013		37.53 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7905	1/23/2013	2/1/2013		37.89 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7919	1/29/2013	2/8/2013		28.98 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7921	1/30/2013	2/8/2013		21.90 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7941	2/5/2013	2/15/2013		26.82 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7945	2/6/2013	2/15/2013		28.62 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7971	2/12/2013	2/20/2013		9.70 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7973	2/13/2013	2/20/2013		7.94 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7981	2/19/2013	2/28/2013		23.58 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7983	2/20/2013	2/28/2013		44.46 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7991	2/26/2013	3/5/2013		27.72 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	7993	2/27/2013	3/5/2013		15.33 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8015	3/5/2013	3/13/2013		16.16 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8017	3/6/2013	3/13/2013		29.25 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8043	3/12/2013	3/20/2013		10.91 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8045	3/13/2013	3/20/2013		17.48 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8053	3/19/2013	3/26/2013		14.82 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8055	3/20/2013	3/26/2013		15.56 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8065	3/25/2013	4/2/2013		15.21 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8073	4/2/2013	4/11/2013		13.41 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8077	4/3/2013	4/11/2013		15.96 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8117	4/9/2013	4/17/2013		15.84 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8119	4/10/2013	4/17/2013		13.60 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8125	4/16/2013	4/24/2013		13.28 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8127	4/17/2013	4/24/2013		23.49 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8137	4/23/2013	4/29/2013		10.86 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8139	4/24/2013	4/29/2013		14.96 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8149	4/30/2013	5/8/2013		18.78 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8151	5/1/2013	5/8/2013		14.20 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8175	5/7/2013	5/20/2013		18.78 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8177	5/8/2013	5/20/2013		17.48 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8199	5/14/2013	5/28/2013		3.21 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8201	5/15/2013	5/28/2013		5.32 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8211	5/21/2013	6/3/2013		2.07 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8213	5/22/2013	6/3/2013		3.69 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8231	6/3/2013	6/12/2013		37.53 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8235	6/4/2013	6/12/2013		41.31 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8273	6/9/2013	6/21/2013		27.84 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8275	6/10/2013	6/21/2013		29.40 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8285	6/18/2013	7/10/2013		27.30 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8287	6/19/2013	7/10/2013		25.50 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8295	6/25/2013	7/12/2013		17.22 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	VOC-A	8297	6/26/2013	7/12/2013		15.96 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P3R1E	7876	1/8/2013	1/18/2013		1,608.66 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P3R1E	7939	2/5/2013	2/18/2013		656.10 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P3R1E	8012	3/5/2013	3/14/2013		1,002.24 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P3R1E	8098	4/2/2013	4/12/2013		723.06 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P3R1E	8197	5/14/2013	5/29/2013		1,388.88 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P3R1E	8271	6/10/2013	6/22/2013		1,890.54 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P4R1E	7901	1/15/2013	1/23/2013		89,229.60 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P4R1E	7968	2/12/2013	2/25/2013		38,316.24 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P4R1E	8040	3/12/2013	3/22/2013		65,610.00 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P4R1E	8114	4/9/2013	4/17/2013		79,125.66 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P4R1E	8173	5/7/2013	5/21/2013		85,380.48 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P4R1E	8257	6/3/2013	6/14/2013		24,319.44 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R1E	8147	4/24/2013	4/29/2013		36.52 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R1E	8216	5/21/2013	6/3/2013		30.04 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R1E	8239	6/3/2013	6/12/2013		22.29 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R1E	8291	6/18/2013	7/10/2013		21.84 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R2E	7863	1/9/2013	1/18/2013		1.72 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R2E	7911	1/23/2013	2/1/2013		9.63 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R2E	7953	2/6/2013	2/18/2013		13.96 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R2E	8023	3/6/2013	3/13/2013		11.39 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R2E	8063	3/20/2013	3/27/2013		10.43 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R2E	8084	4/3/2013	4/12/2013		13.58 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R2E	8135	4/17/2013	4/25/2013		39.90 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R2E	8158	5/1/2013	5/9/2013		29.01 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R2E	8209	5/14/2013	5/29/2013		62.64 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R2E	8283	6/10/2013	6/22/2013		30.52 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R2E	8304	6/26/2013	7/13/2013		2.17 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R3E	7862	1/8/2013	1/17/2013		2.90 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R3E	8206	5/13/2013	5/28/2013		3.58 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R3E	8226	5/28/2013	6/5/2013		4.75 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R3E	8279	6/9/2013	6/21/2013		1.31 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R3E	8300	6/25/2013	7/12/2013		196.08 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	7848	1/2/2013	1/10/2013		2,813.94 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	7885	1/16/2013	1/23/2013		2,021.76 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	7925	1/30/2013	2/8/2013		1,456.79 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	7976	2/13/2013	2/20/2013		1,409.40 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	7998	2/27/2013	3/5/2013		7.39 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	8049	3/13/2013	3/20/2013		581.04 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	8124	4/10/2013	4/17/2013		564.30 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	8143	4/24/2013	4/29/2013		596.16 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	8183	5/8/2013	5/20/2013		541.08 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	8217	5/22/2013	6/3/2013		498.42 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	8242	6/4/2013	6/13/2013		134.06 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4E	8293	6/19/2013	7/11/2013		111.96 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	7849	1/2/2013	1/10/2013		1,782.41 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	7886	1/16/2013	1/23/2013		2,084.94 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	7924	1/30/2013	2/8/2013		1,098.36 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	7977	2/13/2013	2/20/2013		1,334.07 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	7999	2/27/2013	3/5/2013		453.20 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	8050	3/13/2013	3/21/2013		1,351.08 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	8070	3/26/2013	4/3/2013		724.95 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	8122	4/10/2013	4/17/2013		373.82 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	8144	4/24/2013	4/29/2013		253.53 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	8184	5/8/2013	5/20/2013		265.41 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	8219	5/22/2013	6/3/2013		315.09 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	8240	6/4/2013	6/12/2013		74.43 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R4I	8292	6/19/2013	7/10/2013		30.80 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	7850	1/3/2013	1/10/2013		21,388.86 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	7882	1/15/2013	1/23/2013		3,599.64 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	7923	1/29/2013	2/8/2013		34,175.52 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	7974	2/12/2013	2/20/2013		30,880.44 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	7995 R	2/26/2013	3/5/2013		671.22 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	8046	3/12/2013	3/20/2013		27,578.07 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	8069	3/25/2013	4/2/2013		32,892.48 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	8121	4/9/2013	4/17/2013		37,966.32 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	8145	4/23/2013	4/29/2013		28,507.55 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	8179	5/7/2013	5/20/2013		35,341.92 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	8215	5/21/2013	6/3/2013		27,818.64 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	8237	6/3/2013	6/12/2013		21,760.65 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5E	8289	6/18/2013	7/10/2013		25,237.98 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	7852	1/3/2013	1/10/2013		22,205.34 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	7883	1/15/2013	1/23/2013		22,985.37 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	7922	1/29/2013	2/8/2013		30,443.04 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	7975	2/12/2013	2/20/2013		34,787.88 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	7997	2/26/2013	3/5/2013		29,539.08 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	8047	3/12/2013	3/20/2013		21,913.74 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	8068	3/25/2013	4/2/2013		30,559.68 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	8120	4/9/2013	4/17/2013		32,247.32 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	8142	4/23/2013	4/29/2013		26,440.83 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	8180	5/7/2013	5/20/2013		31,099.14 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	8214	5/21/2013	6/3/2013		35,341.92 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	8238	6/3/2013	6/12/2013		12,968.91 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R5I	8288	6/18/2013	7/10/2013		5,540.40 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	7859	1/9/2013	1/17/2013		79,869.24 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	7910	1/23/2013	2/1/2013		74,270.52 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	7951	2/6/2013	2/15/2013		89,492.04 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	7989	2/20/2013	2/28/2013		95,528.16 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	8022	3/6/2013	3/13/2013		110,421.63 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	8061	3/20/2013	3/26/2013		107,862.84 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	8085	4/3/2013	4/12/2013		100,973.79 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	8133	4/17/2013	4/24/2013		116,917.02 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	8157	5/1/2013	5/8/2013		94,084.74 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	8207	5/14/2013	5/28/2013		114,948.72 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	8229	5/29/2013	6/6/2013		100,908.18 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	8280	6/10/2013	6/21/2013		70,596.36 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6E	8301	6/26/2013	7/12/2013		89,623.26 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	7861	1/9/2013	1/17/2013		82,756.08 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	7916	1/23/2013	2/1/2013		81,356.40 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	7952	2/6/2013	2/18/2013		76,238.82 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	7988	2/20/2013	2/28/2013		91,591.56 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	8024	3/6/2013	3/13/2013		95,790.60 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	8060	3/20/2013	3/26/2013		94,084.74 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	8082	4/3/2013	4/12/2013		113,964.57 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	8134	4/17/2013	4/24/2013		111,996.27 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	8156	5/1/2013	5/8/2013		106,091.37 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	8208	5/14/2013	5/28/2013		120,066.30 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	8228	5/29/2013	6/5/2013		89,229.60 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	8282	6/10/2013	6/21/2013		73,351.98 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R6I	8302	6/26/2013	7/13/2013		82,176.53 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	7857	1/8/2013	1/17/2013		162,975.24 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	7907	1/22/2013	2/1/2013		168,224.04 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	7979	2/8/2013	2/18/2013		183,445.56 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	7985	2/19/2013	2/28/2013		162,450.36 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	8025	3/6/2013	3/14/2013		217,300.32 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	8057	3/19/2013	3/26/2013		213,757.38 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	8079	4/2/2013	4/11/2013		192,499.74 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	8129	4/16/2013	4/24/2013		212,182.74 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	8152	4/30/2013	5/8/2013		222,417.90 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	8203	5/13/2013	5/28/2013		187,185.33 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	8225	5/28/2013	6/5/2013		201,160.26 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	8277	6/9/2013	6/21/2013		166,813.43 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7E	8299	6/25/2013	7/12/2013		200,504.16 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	7858	1/8/2013	1/17/2013		188,694.36 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	7908	1/22/2013	2/1/2013		167,699.16 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	7950	2/5/2013	2/15/2013		184,757.76 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	7984	2/19/2013	2/28/2013		174,260.16 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	8020	3/5/2013	3/13/2013		160,350.84 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	8058 R	3/19/2013	3/26/2013		17,408.52 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	8080	4/2/2013	4/11/2013		205,490.52 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	8130	4/16/2013	4/24/2013		186,004.35 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	8154	4/30/2013	5/8/2013		216,709.83 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	8204	5/13/2013	5/28/2013		241,510.41 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	8224	5/28/2013	6/5/2013		177,442.25 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	8278	6/9/2013	6/21/2013		177,147.00 NJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro-	76-13-1	P6R7I	8298	6/25/2013	7/12/2013		180,099.45 NJ
Benzene	71-43-2	P6R3I	8305	6/25/2013	7/13/2013		1.12 NJ
Propane, 1,2-dichloro-	78-87-5	P3R1E	7876	1/8/2013	1/18/2013		130.41 NJ
Propane, 1,2-dichloro-	78-87-5	P3R1E	8098	4/2/2013	4/12/2013		59.40 NJ
Propane, 1,2-dichloro-	78-87-5	P3R1E	8271	6/10/2013	6/22/2013		238.14 NJ
Propane, 1,2-dichloro-	78-87-5	P6R4E	8242	6/4/2013	6/13/2013		15.26 NJ
2-Butanone	78-93-3	P6R3I	8305	6/25/2013	7/13/2013		1.88 NJ
Trichloroethylene *	79-01-6	VOC-A	7845	1/2/2013	1/10/2013	9	124.38
Trichloroethylene *	79-01-6	VOC-A	7847	1/3/2013	1/10/2013	3	36.12
Trichloroethylene *	79-01-6	VOC-A	7853	1/8/2013	1/17/2013	4	68.60
Trichloroethylene *	79-01-6	VOC-A	7855	1/9/2013	1/17/2013	4	60.36
Trichloroethylene *	79-01-6	VOC-A	7879	1/15/2013	1/23/2013	4	51.12
Trichloroethylene *	79-01-6	VOC-A	7881	1/16/2013	1/23/2013	1.5	22.71
Trichloroethylene *	79-01-6	VOC-A	7903	1/22/2013	2/1/2013	9	112.50
Trichloroethylene *	79-01-6	VOC-A	7905	1/23/2013	2/1/2013	9	141.03
Trichloroethylene *	79-01-6	VOC-A	7919	1/29/2013	2/8/2013	6	85.68
Trichloroethylene *	79-01-6	VOC-A	7921	1/30/2013	2/8/2013	6	68.52
Trichloroethylene *	79-01-6	VOC-A	7941	2/5/2013	2/15/2013	6	78.18
Trichloroethylene *	79-01-6	VOC-A	7945	2/6/2013	2/15/2013	9	94.50
Trichloroethylene *	79-01-6	VOC-A	7971	2/12/2013	2/20/2013	2	27.44
Trichloroethylene *	79-01-6	VOC-A	7973	2/13/2013	2/20/2013	2	28.62
Trichloroethylene *	79-01-6	VOC-A	7981	2/19/2013	2/28/2013	6	87.96
Trichloroethylene *	79-01-6	VOC-A	7983	2/20/2013	2/28/2013	9	161.46
Trichloroethylene *	79-01-6	VOC-A	7991	2/26/2013	3/5/2013	6	93.60

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Trichloroethylene *	79-01-6	VOC-A	7993	2/27/2013	3/5/2013	3	38.04
Trichloroethylene *	79-01-6	VOC-A	8015	3/5/2013	3/13/2013	4	60.92
Trichloroethylene *	79-01-6	VOC-A	8017	3/6/2013	3/13/2013	9	124.56
Trichloroethylene *	79-01-6	VOC-A	8043	3/12/2013	3/20/2013	1.5	28.74
Trichloroethylene *	79-01-6	VOC-A	8045	3/13/2013	3/20/2013	4	73.44
Trichloroethylene *	79-01-6	VOC-A	8053	3/19/2013	3/26/2013	3	60.42
Trichloroethylene *	79-01-6	VOC-A	8055	3/20/2013	3/26/2013	4	77.48
Trichloroethylene *	79-01-6	VOC-A	8065	3/25/2013	4/2/2013	3	50.79
Trichloroethylene *	79-01-6	VOC-A	8067	3/26/2013	4/2/2013	3	35.16
Trichloroethylene *	79-01-6	VOC-A	8073	4/2/2013	4/11/2013	3	50.01
Trichloroethylene *	79-01-6	VOC-A	8077	4/3/2013	4/11/2013	4	58.08
Trichloroethylene *	79-01-6	VOC-A	8117	4/9/2013	4/17/2013	4	42.72
Trichloroethylene *	79-01-6	VOC-A	8119	4/10/2013	4/17/2013	4	49.40
Trichloroethylene *	79-01-6	VOC-A	8125	4/16/2013	4/24/2013	4	55.16
Trichloroethylene *	79-01-6	VOC-A	8127	4/17/2013	4/24/2013	9	123.75
Trichloroethylene *	79-01-6	VOC-A	8137	4/23/2013	4/29/2013	3	54.96
Trichloroethylene *	79-01-6	VOC-A	8139	4/24/2013	4/29/2013	4	83.84
Trichloroethylene *	79-01-6	VOC-A	8149	4/30/2013	5/8/2013	6	78.66
Trichloroethylene *	79-01-6	VOC-A	8151	5/1/2013	5/8/2013	4	52.20
Trichloroethylene *	79-01-6	VOC-A	8175	5/7/2013	5/20/2013	6	85.86
Trichloroethylene *	79-01-6	VOC-A	8177	5/8/2013	5/20/2013	4	68.84
Trichloroethylene *	79-01-6	VOC-A	8199	5/14/2013	5/28/2013	1.5	17.18
Trichloroethylene *	79-01-6	VOC-A	8201	5/15/2013	5/28/2013	4	38.88
Trichloroethylene *	79-01-6	VOC-A	8211	5/21/2013	6/3/2013	1	7.96
Trichloroethylene *	79-01-6	VOC-A	8213	5/22/2013	6/3/2013	1	15.90
Trichloroethylene *	79-01-6	VOC-A	8221	5/28/2013	6/5/2013	2	30.72
Trichloroethylene *	79-01-6	VOC-A	8223	5/29/2013	6/5/2013	2	27.26
Trichloroethylene *	79-01-6	VOC-A	8231	6/3/2013	6/12/2013	13.5	164.97
Trichloroethylene *	79-01-6	VOC-A	8235	6/4/2013	6/12/2013	13.5	181.31
Trichloroethylene *	79-01-6	VOC-A	8273	6/9/2013	6/21/2013	4	89.44

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Trichloroethylene *	79-01-6	VOC-A	8275	6/10/2013	6/21/2013	6	134.04
Trichloroethylene *	79-01-6	VOC-A	8285	6/18/2013	7/10/2013	6	130.80
Trichloroethylene *	79-01-6	VOC-A	8287	6/19/2013	7/10/2013	6	120.60
Trichloroethylene *	79-01-6	VOC-A	8295	6/25/2013	7/12/2013	6	64.80
Trichloroethylene *	79-01-6	VOC-A	8297	6/26/2013	7/12/2013	6	48.84
Trichloroethylene *	79-01-6	P3R1E	7876	1/8/2013	1/18/2013	81	487.62
Trichloroethylene *	79-01-6	P3R1E	7939	2/5/2013	2/18/2013	54	296.46
Trichloroethylene *	79-01-6	P3R1E	8012	3/5/2013	3/14/2013	72	332.64
Trichloroethylene *	79-01-6	P3R1E	8098	4/2/2013	4/12/2013	54	315.36
Trichloroethylene *	79-01-6	P3R1E	8197	5/14/2013	5/29/2013	108	522.72
Trichloroethylene *	79-01-6	P3R1E	8271	6/10/2013	6/22/2013	162	827.82
Trichloroethylene *	79-01-6	P4R1E	7901	1/15/2013	1/23/2013	17496	171,460.80
Trichloroethylene *	79-01-6	P4R1E	7968	2/12/2013	2/25/2013	8748	90,016.92
Trichloroethylene *	79-01-6	P4R1E	8040	3/12/2013	3/22/2013	17496	157,464.00
Trichloroethylene *	79-01-6	P4R1E	8114	4/9/2013	4/17/2013	13122	174,391.38
Trichloroethylene *	79-01-6	P4R1E	8173	5/7/2013	5/21/2013	17496	204,878.16
Trichloroethylene *	79-01-6	P4R1E	8257	6/3/2013	6/14/2013	5832	62,344.08
Trichloroethylene *	79-01-6	P6R1E	8147	4/24/2013	4/29/2013	4	96.56
Trichloroethylene *	79-01-6	P6R1E	8182	5/7/2013	5/20/2013	4	95.60
Trichloroethylene *	79-01-6	P6R1E	8216	5/21/2013	6/3/2013	4	89.24
Trichloroethylene *	79-01-6	P6R1E	8239	6/3/2013	6/12/2013	3	60.87
Trichloroethylene *	79-01-6	P6R1E	8291	6/18/2013	7/10/2013	3	69.45
Trichloroethylene *	79-01-6	P6R2E	7863	1/9/2013	1/18/2013	1	9.50
Trichloroethylene *	79-01-6	P6R2E	7911	1/23/2013	2/1/2013	1	29.48
Trichloroethylene *	79-01-6	P6R2E	7953	2/6/2013	2/18/2013	2	38.94
Trichloroethylene *	79-01-6	P6R2E	7990	2/20/2013	3/1/2013	1	0.96 J
Trichloroethylene *	79-01-6	P6R2E	8023	3/6/2013	3/13/2013	1.5	31.02
Trichloroethylene *	79-01-6	P6R2E	8063	3/20/2013	3/27/2013	1.5	29.63
Trichloroethylene *	79-01-6	P6R2E	8084	4/3/2013	4/12/2013	2	37.16
Trichloroethylene *	79-01-6	P6R2E	8135	4/17/2013	4/25/2013	6	109.92

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Trichloroethylene *	79-01-6	P6R2E	8158	5/1/2013	5/9/2013	3	79.29
Trichloroethylene *	79-01-6	P6R2E	8209	5/14/2013	5/29/2013	9	164.25
Trichloroethylene *	79-01-6	P6R2E	8230	5/29/2013	6/6/2013	6	164.64
Trichloroethylene *	79-01-6	P6R2E	8283	6/10/2013	6/22/2013	4	101.16
Trichloroethylene *	79-01-6	P6R2E	8304	6/26/2013	7/13/2013	1	3.95
Trichloroethylene *	79-01-6	P6R3E	7862	1/8/2013	1/17/2013	1	7.89
Trichloroethylene *	79-01-6	P6R3E	7909	1/22/2013	2/1/2013	1	2.94
Trichloroethylene *	79-01-6	P6R3E	7947	2/5/2013	2/15/2013	1	0.58 J
Trichloroethylene *	79-01-6	P6R3E	7987	2/19/2013	2/28/2013	1	0.55 J
Trichloroethylene *	79-01-6	P6R3E	8019	3/5/2013	3/13/2013	1	0.28 J
Trichloroethylene *	79-01-6	P6R3E	8059	3/19/2013	3/26/2013	1	1.77
Trichloroethylene *	79-01-6	P6R3E	8081	4/2/2013	4/12/2013	1	0.57 J
Trichloroethylene *	79-01-6	P6R3E	8131	4/16/2013	4/24/2013	1	2.18
Trichloroethylene *	79-01-6	P6R3E	8155	4/30/2013	5/8/2013	1	2.43
Trichloroethylene *	79-01-6	P6R3E	8206	5/13/2013	5/28/2013	1	4.26
Trichloroethylene *	79-01-6	P6R3E	8226	5/28/2013	6/5/2013	1	26.75
Trichloroethylene *	79-01-6	P6R3E	8279	6/9/2013	6/21/2013	1	6.76
Trichloroethylene *	79-01-6	P6R3E	8300	6/25/2013	7/12/2013	12	236.64
Trichloroethylene *	79-01-6	P6R3I	8305	6/25/2013	7/13/2013	1	19.15
Trichloroethylene *	79-01-6	P6R4E	7848	1/2/2013	1/10/2013	243	5,720.22
Trichloroethylene *	79-01-6	P6R4E	7885	1/16/2013	1/23/2013	162	3,823.20
Trichloroethylene *	79-01-6	P6R4E	7925	1/30/2013	2/8/2013	121.5	3,409.29
Trichloroethylene *	79-01-6	P6R4E	7976	2/13/2013	2/20/2013	108	3,419.28
Trichloroethylene *	79-01-6	P6R4E	7998	2/27/2013	3/5/2013	1	21.48
Trichloroethylene *	79-01-6	P6R4E	8049	3/13/2013	3/20/2013	54	1,263.06
Trichloroethylene *	79-01-6	P6R4E	8071	3/26/2013	4/3/2013	108	2,364.12
Trichloroethylene *	79-01-6	P6R4E	8124	4/10/2013	4/17/2013	54	1,449.36
Trichloroethylene *	79-01-6	P6R4E	8143	4/24/2013	4/29/2013	54	1,454.22
Trichloroethylene *	79-01-6	P6R4E	8183	5/8/2013	5/20/2013	54	1,433.16
Trichloroethylene *	79-01-6	P6R4E	8217	5/22/2013	6/3/2013	54	1,273.86

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Trichloroethylene *	79-01-6	P6R4E	8242	6/4/2013	6/13/2013	13.5	461.84
Trichloroethylene *	79-01-6	P6R4E	8293	6/19/2013	7/11/2013	12	316.68
Trichloroethylene *	79-01-6	P6R4I	7849	1/2/2013	1/10/2013	121.5	3,213.68
Trichloroethylene *	79-01-6	P6R4I	7886	1/16/2013	1/23/2013	162	4,105.08
Trichloroethylene *	79-01-6	P6R4I	7924	1/30/2013	2/8/2013	108	2,554.20
Trichloroethylene *	79-01-6	P6R4I	7977	2/13/2013	2/20/2013	121.5	3,099.47
Trichloroethylene *	79-01-6	P6R4I	7999	2/27/2013	3/5/2013	40.5	1,074.06
Trichloroethylene *	79-01-6	P6R4I	8050	3/13/2013	3/21/2013	108	2,981.88
Trichloroethylene *	79-01-6	P6R4I	8070	3/26/2013	4/3/2013	81	1,481.49
Trichloroethylene *	79-01-6	P6R4I	8122	4/10/2013	4/17/2013	40.5	927.86
Trichloroethylene *	79-01-6	P6R4I	8144	4/24/2013	4/29/2013	27	678.24
Trichloroethylene *	79-01-6	P6R4I	8184	5/8/2013	5/20/2013	27	677.97
Trichloroethylene *	79-01-6	P6R4I	8219	5/22/2013	6/3/2013	27	855.90
Trichloroethylene *	79-01-6	P6R4I	8240	6/4/2013	6/12/2013	9	241.38
Trichloroethylene *	79-01-6	P6R4I	8292	6/19/2013	7/10/2013	4	138.44
Trichloroethylene *	79-01-6	P6R5E	7850	1/3/2013	1/10/2013	1458	32,367.60
Trichloroethylene *	79-01-6	P6R5E	7882	1/15/2013	1/23/2013	324	6,285.60
Trichloroethylene *	79-01-6	P6R5E	7923	1/29/2013	2/8/2013	2916	70,013.16
Trichloroethylene *	79-01-6	P6R5E	7974	2/12/2013	2/20/2013	2916	60,740.28
Trichloroethylene *	79-01-6	P6R5E	7995 R	2/26/2013	3/5/2013	54	1,413.72
Trichloroethylene *	79-01-6	P6R5E	8046	3/12/2013	3/20/2013	2187	53,865.81
Trichloroethylene *	79-01-6	P6R5E	8069	3/25/2013	4/2/2013	2916	63,131.40
Trichloroethylene *	79-01-6	P6R5E	8121	4/9/2013	4/17/2013	4374	78,513.30
Trichloroethylene *	79-01-6	P6R5E	8145	4/23/2013	4/29/2013	3280.5	63,346.46
Trichloroethylene *	79-01-6	P6R5E	8179	5/7/2013	5/20/2013	4374	89,492.04
Trichloroethylene *	79-01-6	P6R5E	8215	5/21/2013	6/3/2013	2916	65,610.00
Trichloroethylene *	79-01-6	P6R5E	8237	6/3/2013	6/12/2013	2187	46,604.97
Trichloroethylene *	79-01-6	P6R5E	8289	6/18/2013	7/10/2013	2187	51,263.28
Trichloroethylene *	79-01-6	P6R5I	7852	1/3/2013	1/10/2013	1458	38,884.86
Trichloroethylene *	79-01-6	P6R5I	7883	1/15/2013	1/23/2013	2187	44,811.63

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Trichloroethylene *	79-01-6	P6R5I	7922	1/29/2013	2/8/2013	2916	69,779.88
Trichloroethylene *	79-01-6	P6R5I	7975	2/12/2013	2/20/2013	2916	73,862.28
Trichloroethylene *	79-01-6	P6R5I	7997	2/26/2013	3/5/2013	2916	65,551.68
Trichloroethylene *	79-01-6	P6R5I	8047	3/12/2013	3/20/2013	2187	51,285.15
Trichloroethylene *	79-01-6	P6R5I	8068	3/25/2013	4/2/2013	2916	65,522.52
Trichloroethylene *	79-01-6	P6R5I	8120	4/9/2013	4/17/2013	3280.5	75,648.33
Trichloroethylene *	79-01-6	P6R5I	8142	4/23/2013	4/29/2013	3280.5	62,099.87
Trichloroethylene *	79-01-6	P6R5I	8180	5/7/2013	5/20/2013	4374	72,695.88
Trichloroethylene *	79-01-6	P6R5I	8214	5/21/2013	6/3/2013	2916	70,304.76
Trichloroethylene *	79-01-6	P6R5I	8238	6/3/2013	6/12/2013	2187	35,560.62
Trichloroethylene *	79-01-6	P6R5I	8288	6/18/2013	7/10/2013	729	15,957.81
Trichloroethylene *	79-01-6	P6R6E	7859	1/9/2013	1/17/2013	8748	214,938.36
Trichloroethylene *	79-01-6	P6R6E	7910	1/23/2013	2/1/2013	13122	266,114.16
Trichloroethylene *	79-01-6	P6R6E	7951	2/6/2013	2/15/2013	13122	307,448.46
Trichloroethylene *	79-01-6	P6R6E	7989	2/20/2013	2/28/2013	13122	290,127.42
Trichloroethylene *	79-01-6	P6R6E	8022	3/6/2013	3/13/2013	19683	333,626.85
Trichloroethylene *	79-01-6	P6R6E	8061	3/20/2013	3/26/2013	19683	362,167.20
Trichloroethylene *	79-01-6	P6R6E	8085	4/3/2013	4/12/2013	19683	332,249.04
Trichloroethylene *	79-01-6	P6R6E	8133	4/17/2013	4/24/2013	19683	414,720.81
Trichloroethylene *	79-01-6	P6R6E	8157	5/1/2013	5/8/2013	13122	346,420.80
Trichloroethylene *	79-01-6	P6R6E	8207	5/14/2013	5/28/2013	19683	474,950.79
Trichloroethylene *	79-01-6	P6R6E	8229	5/29/2013	6/6/2013	13122	357,705.72
Trichloroethylene *	79-01-6	P6R6E	8280	6/10/2013	6/21/2013	13122	279,104.94
Trichloroethylene *	79-01-6	P6R6E	8301	6/26/2013	7/12/2013	13122	366,235.02
Trichloroethylene *	79-01-6	P6R6I	7861	1/9/2013	1/17/2013	8748	238,295.52
Trichloroethylene *	79-01-6	P6R6I	7916	1/23/2013	2/1/2013	13122	304,167.96
Trichloroethylene *	79-01-6	P6R6I	7952	2/6/2013	2/18/2013	13122	258,372.18
Trichloroethylene *	79-01-6	P6R6I	7988	2/20/2013	2/28/2013	13122	295,507.44
Trichloroethylene *	79-01-6	P6R6I	8024	3/6/2013	3/13/2013	13122	315,059.22
Trichloroethylene *	79-01-6	P6R6I	8060	3/20/2013	3/26/2013	19683	332,249.04

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Trichloroethylene *	79-01-6	P6R6I	8082	4/3/2013	4/12/2013	19683	407,634.93
Trichloroethylene *	79-01-6	P6R6I	8134	4/17/2013	4/24/2013	19683	401,730.03
Trichloroethylene *	79-01-6	P6R6I	8156	5/1/2013	5/8/2013	19683	365,906.97
Trichloroethylene *	79-01-6	P6R6I	8208	5/14/2013	5/28/2013	19683	434,994.30
Trichloroethylene *	79-01-6	P6R6I	8228	5/29/2013	6/5/2013	13122	318,995.82
Trichloroethylene *	79-01-6	P6R6I	8282	6/10/2013	6/21/2013	13122	284,616.18
Trichloroethylene *	79-01-6	P6R6I	8302	6/26/2013	7/13/2013	13122	334,217.34
Trichloroethylene *	79-01-6	P6R7E	7857	1/8/2013	1/17/2013	26244	716,198.76
Trichloroethylene *	79-01-6	P6R7E	7907	1/22/2013	2/1/2013	26244	825,373.80
Trichloroethylene *	79-01-6	P6R7E	7979	2/8/2013	2/18/2013	26244	903,318.48
Trichloroethylene *	79-01-6	P6R7E	7985	2/19/2013	2/28/2013	26244	740,605.68
Trichloroethylene *	79-01-6	P6R7E	8025	3/6/2013	3/14/2013	39366	974,308.50
Trichloroethylene *	79-01-6	P6R7E	8057	3/19/2013	3/26/2013	39366	988,086.60
Trichloroethylene *	79-01-6	P6R7E	8079	4/2/2013	4/11/2013	39366	1,018,004.76
Trichloroethylene *	79-01-6	P6R7E	8129	4/16/2013	4/24/2013	39366	1,013,674.50
Trichloroethylene *	79-01-6	P6R7E	8152	4/30/2013	5/8/2013	39366	1,013,280.84
Trichloroethylene *	79-01-6	P6R7E	8203	5/13/2013	5/28/2013	29524.5	886,620.74
Trichloroethylene *	79-01-6	P6R7E	8225	5/28/2013	6/5/2013	39366	835,740.18
Trichloroethylene *	79-01-6	P6R7E	8277	6/9/2013	6/21/2013	29524.5	821,076.35
Trichloroethylene *	79-01-6	P6R7E	8299	6/25/2013	7/12/2013	26244	1,053,171.72
Trichloroethylene *	79-01-6	P6R7I	7858	1/8/2013	1/17/2013	26244	615,684.24
Trichloroethylene *	79-01-6	P6R7I	7908	1/22/2013	2/1/2013	26244	730,895.40
Trichloroethylene *	79-01-6	P6R7I	7950	2/5/2013	2/15/2013	26244	737,718.84
Trichloroethylene *	79-01-6	P6R7I	7984	2/19/2013	2/28/2013	26244	651,900.96
Trichloroethylene *	79-01-6	P6R7I	8020	3/5/2013	3/13/2013	26244	565,033.32
Trichloroethylene *	79-01-6	P6R7I	8058 R	3/19/2013	3/26/2013	2916	64,414.44
Trichloroethylene *	79-01-6	P6R7I	8080	4/2/2013	4/11/2013	29524.5	784,465.97
Trichloroethylene *	79-01-6	P6R7I	8130	4/16/2013	4/24/2013	29524.5	707,702.27
Trichloroethylene *	79-01-6	P6R7I	8154	4/30/2013	5/8/2013	29524.5	838,495.80
Trichloroethylene *	79-01-6	P6R7I	8204	5/13/2013	5/28/2013	29524.5	1,072,920.33

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Trichloroethylene *	79-01-6	P6R7I	8224	5/28/2013	6/5/2013	29524.5	808,676.06
Trichloroethylene *	79-01-6	P6R7I	8278	6/9/2013	6/21/2013	29524.5	728,959.91
Trichloroethylene *	79-01-6	P6R7I	8298	6/25/2013	7/12/2013	19683	789,288.30
Acetophenone	98-86-2	P6R3I	8305	6/25/2013	7/13/2013		1.78 NJ

VOC non-target results for compounds not appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Styrene	100-42-5	P6R2E	7863	1/9/2013	1/18/2013		1.23 NJ
Styrene	100-42-5	P6R3E	7862	1/8/2013	1/17/2013		2.15 NJ
Styrene	100-42-5	P6R3E	8206	5/13/2013	5/28/2013		2.14 NJ
Pentane, 2-methyl-	107-83-5	P6R2E	7863	1/9/2013	1/18/2013		1.10 NJ
Pentane, 2-methyl-	107-83-5	P6R2E	7911	1/23/2013	2/1/2013		1.73 NJ
Pentane, 2-methyl-	107-83-5	P6R3E	7909	1/22/2013	2/1/2013		1.57 NJ
Pentane, 2-methyl-	107-83-5	P6R3E	7947	2/5/2013	2/15/2013		1.35 NJ
Pentane, 2-methyl-	107-83-5	P6R3E	8059	3/19/2013	3/26/2013		1.44 NJ
Pentane, 2-methyl-	107-83-5	P6R3E	8081	4/2/2013	4/12/2013		1.81 NJ
Cyclohexane, methyl-	108-87-2	P6R2E	7911	1/23/2013	2/1/2013		1.05 NJ
Cyclohexane, methyl-	108-87-2	P6R3E	7909	1/22/2013	2/1/2013		1.19 NJ
Pentane	109-66-0	VOC-A	7973	2/13/2013	2/20/2013		7.66 NJ
Pentane	109-66-0	VOC-A	8053	3/19/2013	3/26/2013		3.06 NJ
Pentane	109-66-0	P6R2E	7863	1/9/2013	1/18/2013		4.01 NJ
Pentane	109-66-0	P6R2E	7911	1/23/2013	2/1/2013		5.81 NJ
Pentane	109-66-0	P6R2E	7953	2/6/2013	2/18/2013		4.88 NJ
Pentane	109-66-0	P6R2E	7990	2/20/2013	3/1/2013		3.53 NJ
Pentane	109-66-0	P6R2E	8023	3/6/2013	3/13/2013		3.63 NJ
Pentane	109-66-0	P6R2E	8063	3/20/2013	3/27/2013		2.49 NJ
Pentane	109-66-0	P6R3E	7909	1/22/2013	2/1/2013		5.23 NJ
Pentane	109-66-0	P6R3E	8059	3/19/2013	3/26/2013		4.57 NJ
Pentane	109-66-0	P6R3E	8081	4/2/2013	4/12/2013		1.53 NJ
Pentane	109-66-0	P6R3E	8131	4/16/2013	4/24/2013		2.83 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds not appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Decane	124-18-5	P6R3I	8305	6/25/2013	7/13/2013		7.32 NJ
Cyclotrisiloxane, hexamethyl-†	541-05-9	P6R1E	8239	6/3/2013	6/12/2013		3.57 NJ
Cyclotrisiloxane, hexamethyl-†	541-05-9	P6R2E	7863	1/9/2013	1/18/2013		1.72 NJ
Cyclotrisiloxane, hexamethyl-†	541-05-9	P6R3E	8059	3/19/2013	3/26/2013		1.88 NJ
Cyclotrisiloxane, hexamethyl-†	541-05-9	P6R3E	8226	5/28/2013	6/5/2013		1.86 NJ
Cyclotetrasiloxane, octamethyl-†	556-67-2	P6R3E	8059	3/19/2013	3/26/2013		2.37 NJ
Acetone	67-64-1	VOC-A	8273	6/9/2013	6/21/2013		5.40 NJ
Acetone	67-64-1	VOC-A	8275	6/10/2013	6/21/2013		23.52 NJ
Acetone	67-64-1	VOC-A	8287	6/19/2013	7/10/2013		6.90 NJ
Acetone	67-64-1	P3R1E	7939	2/5/2013	2/18/2013		65.34 NJ
Acetone	67-64-1	P3R1E	8012	3/5/2013	3/14/2013		117.36 NJ
Acetone	67-64-1	P3R1E	8098	4/2/2013	4/12/2013		71.28 NJ
Acetone	67-64-1	P3R1E	8197	5/14/2013	5/29/2013		118.80 NJ
Acetone	67-64-1	P6R1E	8239	6/3/2013	6/12/2013		5.64 NJ
Acetone	67-64-1	P6R1E	8291	6/18/2013	7/10/2013		6.36 NJ
Acetone	67-64-1	P6R2E	7863	1/9/2013	1/18/2013		1.73 NJ
Acetone	67-64-1	P6R2E	7911	1/23/2013	2/1/2013		1.09 NJ
Acetone	67-64-1	P6R2E	7990	2/20/2013	3/1/2013		1.86 NJ
Acetone	67-64-1	P6R2E	8063	3/20/2013	3/27/2013		3.36 NJ
Acetone	67-64-1	P6R2E	8283	6/10/2013	6/22/2013		4.96 NJ
Acetone	67-64-1	P6R3E	7909	1/22/2013	2/1/2013		1.29 NJ
Acetone	67-64-1	P6R3E	7947	2/5/2013	2/15/2013		1.09 NJ
Acetone	67-64-1	P6R3E	7987	2/19/2013	2/28/2013		1.49 NJ
Acetone	67-64-1	P6R3E	8019	3/5/2013	3/13/2013		1.56 NJ
Acetone	67-64-1	P6R3E	8155	4/30/2013	5/8/2013		1.78 NJ
Acetone	67-64-1	P6R3E	8206	5/13/2013	5/28/2013		1.71 NJ
Acetone	67-64-1	P6R3E	8226	5/28/2013	6/5/2013		2.47 NJ
Acetone	67-64-1	P6R3E	8279	6/9/2013	6/21/2013		3.49 NJ
Acetone	67-64-1	P6R3E	8300	6/25/2013	7/12/2013		17.52 NJ
Acetone	67-64-1	P6R3I	8305	6/25/2013	7/13/2013		10.81 NJ
Acetone	67-64-1	P6R4E	7998	2/27/2013	3/5/2013		1.25 NJ

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds not appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
Acetone	67-64-1	P6R4E	8242	6/4/2013	6/13/2013		17.69 NJ
Acetone	67-64-1	P6R4I	8292	6/19/2013	7/10/2013		7.04 NJ
Butane, 2-methyl-	78-78-4	P6R3E	7909	1/22/2013	2/1/2013		4.98 NJ
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7845	1/2/2013	1/10/2013	9	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7847	1/3/2013	1/10/2013	3	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7853	1/8/2013	1/17/2013	4	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7855	1/9/2013	1/17/2013	4	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7879	1/15/2013	1/23/2013	4	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7881	1/16/2013	1/23/2013	1.5	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7903	1/22/2013	2/1/2013	9	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7905	1/23/2013	2/1/2013	9	0.36 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7919	1/29/2013	2/8/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7921	1/30/2013	2/8/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7941	2/5/2013	2/15/2013	6	0.42 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7945	2/6/2013	2/15/2013	9	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7971	2/12/2013	2/20/2013	2	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7973	2/13/2013	2/20/2013	2	0.10 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7981	2/19/2013	2/28/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7983	2/20/2013	2/28/2013	9	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7991	2/26/2013	3/5/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	7993	2/27/2013	3/5/2013	3	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8015	3/5/2013	3/13/2013	4	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8017	3/6/2013	3/13/2013	9	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8043	3/12/2013	3/20/2013	1.5	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8045	3/13/2013	3/20/2013	4	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8053	3/19/2013	3/26/2013	3	0.27 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8055	3/20/2013	3/26/2013	4	0.08 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8065	3/25/2013	4/2/2013	3	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8067	3/26/2013	4/2/2013	3	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8073	4/2/2013	4/11/2013	3	0.21 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8077	4/3/2013	4/11/2013	4	0.12 J

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds not appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8117	4/9/2013	4/17/2013	4	0.16 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8119	4/10/2013	4/17/2013	4	0.28 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8125	4/16/2013	4/24/2013	4	0.20 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8127	4/17/2013	4/24/2013	9	0.27 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8137	4/23/2013	4/29/2013	3	0.15 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8139	4/24/2013	4/29/2013	4	0.12 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8149	4/30/2013	5/8/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8151	5/1/2013	5/8/2013	4	0.16 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8175	5/7/2013	5/20/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8177	5/8/2013	5/20/2013	4	0.12 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8199	5/14/2013	5/28/2013	1.5	0.06 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8201	5/15/2013	5/28/2013	4	0.12 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8211	5/21/2013	6/3/2013	1	0.04 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8213	5/22/2013	6/3/2013	1	0.07 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8221	5/28/2013	6/5/2013	2	0.08 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8223	5/29/2013	6/5/2013	2	0.12 J
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8231	6/3/2013	6/12/2013	13.5	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8235	6/4/2013	6/12/2013	13.5	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8273	6/9/2013	6/21/2013	4	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8275	6/10/2013	6/21/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8285	6/18/2013	7/10/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8287	6/19/2013	7/10/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8295	6/25/2013	7/12/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	VOC-A	8297	6/26/2013	7/12/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	P3R1E	7876	1/8/2013	1/18/2013	81	U
1,2,4-Trimethylbenzene *	95-63-6	P3R1E	7939	2/5/2013	2/18/2013	54	3.24 J
1,2,4-Trimethylbenzene *	95-63-6	P3R1E	8012	3/5/2013	3/14/2013	72	U
1,2,4-Trimethylbenzene *	95-63-6	P3R1E	8098	4/2/2013	4/12/2013	54	1.62 J
1,2,4-Trimethylbenzene *	95-63-6	P3R1E	8197	5/14/2013	5/29/2013	108	U
1,2,4-Trimethylbenzene *	95-63-6	P3R1E	8271	6/10/2013	6/22/2013	162	U
1,2,4-Trimethylbenzene *	95-63-6	P4R1E	7901	1/15/2013	1/23/2013	17496	U

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds not appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
1,2,4-Trimethylbenzene *	95-63-6	P4R1E	7968	2/12/2013	2/25/2013	8748	U
1,2,4-Trimethylbenzene *	95-63-6	P4R1E	8040	3/12/2013	3/22/2013	17496	U
1,2,4-Trimethylbenzene *	95-63-6	P4R1E	8114	4/9/2013	4/17/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P4R1E	8173	5/7/2013	5/21/2013	17496	U
1,2,4-Trimethylbenzene *	95-63-6	P4R1E	8257	6/3/2013	6/14/2013	5832	U
1,2,4-Trimethylbenzene *	95-63-6	P6R1E	8147	4/24/2013	4/29/2013	4	U
1,2,4-Trimethylbenzene *	95-63-6	P6R1E	8182	5/7/2013	5/20/2013	4	U
1,2,4-Trimethylbenzene *	95-63-6	P6R1E	8216	5/21/2013	6/3/2013	4	U
1,2,4-Trimethylbenzene *	95-63-6	P6R1E	8239	6/3/2013	6/12/2013	3	0.15 J
1,2,4-Trimethylbenzene *	95-63-6	P6R1E	8291	6/18/2013	7/10/2013	3	U
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	7863	1/9/2013	1/18/2013	1	U
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	7911	1/23/2013	2/1/2013	1	0.14 J
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	7953	2/6/2013	2/18/2013	2	0.06 J
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	7990	2/20/2013	3/1/2013	1	0.04 J
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	8023	3/6/2013	3/13/2013	1.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	8063	3/20/2013	3/27/2013	1.5	0.11 J
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	8084	4/3/2013	4/12/2013	2	0.08 J
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	8135	4/17/2013	4/25/2013	6	0.18 J
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	8158	5/1/2013	5/9/2013	3	0.12 J
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	8209	5/14/2013	5/29/2013	9	U
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	8230	5/29/2013	6/6/2013	6	U
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	8283	6/10/2013	6/22/2013	4	0.16 J
1,2,4-Trimethylbenzene *	95-63-6	P6R2E	8304	6/26/2013	7/13/2013	1	U
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	7862	1/8/2013	1/17/2013	1	U
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	7909	1/22/2013	2/1/2013	1	0.15 J
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	7947	2/5/2013	2/15/2013	1	0.05 J
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	7987	2/19/2013	2/28/2013	1	U
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	8019	3/5/2013	3/13/2013	1	U
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	8059	3/19/2013	3/26/2013	1	0.13 J
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	8081	4/2/2013	4/12/2013	1	0.08 J
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	8131	4/16/2013	4/24/2013	1	0.02 J

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds not appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	8155	4/30/2013	5/8/2013	1	0.03 J
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	8206	5/13/2013	5/28/2013	1	0.10 J
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	8226	5/28/2013	6/5/2013	1	0.10 J
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	8279	6/9/2013	6/21/2013	1	0.09 J
1,2,4-Trimethylbenzene *	95-63-6	P6R3E	8300	6/25/2013	7/12/2013	12	U
1,2,4-Trimethylbenzene *	95-63-6	P6R3I	8305	6/25/2013	7/13/2013	1	0.11 J
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	7848	1/2/2013	1/10/2013	243	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	7885	1/16/2013	1/23/2013	162	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	7925	1/30/2013	2/8/2013	121.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	7976	2/13/2013	2/20/2013	108	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	7998	2/27/2013	3/5/2013	1	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	8049	3/13/2013	3/20/2013	54	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	8071	3/26/2013	4/3/2013	108	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	8124	4/10/2013	4/17/2013	54	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	8143	4/24/2013	4/29/2013	54	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	8183	5/8/2013	5/20/2013	54	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	8217	5/22/2013	6/3/2013	54	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	8242	6/4/2013	6/13/2013	13.5	0.68 J
1,2,4-Trimethylbenzene *	95-63-6	P6R4E	8293	6/19/2013	7/11/2013	12	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	7849	1/2/2013	1/10/2013	121.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	7886	1/16/2013	1/23/2013	162	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	7924	1/30/2013	2/8/2013	108	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	7977	2/13/2013	2/20/2013	121.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	7999	2/27/2013	3/5/2013	40.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	8050	3/13/2013	3/21/2013	108	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	8070	3/26/2013	4/3/2013	81	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	8122	4/10/2013	4/17/2013	40.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	8144	4/24/2013	4/29/2013	27	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	8184	5/8/2013	5/20/2013	27	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	8219	5/22/2013	6/3/2013	27	U
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	8240	6/4/2013	6/12/2013	9	U

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds not appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
1,2,4-Trimethylbenzene *	95-63-6	P6R4I	8292	6/19/2013	7/10/2013	4	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	7850	1/3/2013	1/10/2013	1458	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	7882	1/15/2013	1/23/2013	324	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	7923	1/29/2013	2/8/2013	2916	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	7974	2/12/2013	2/20/2013	2916	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	7995 R	2/26/2013	3/5/2013	54	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	8046	3/12/2013	3/20/2013	2187	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	8069	3/25/2013	4/2/2013	2916	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	8121	4/9/2013	4/17/2013	4374	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	8145	4/23/2013	4/29/2013	3280.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	8179	5/7/2013	5/20/2013	4374	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	8215	5/21/2013	6/3/2013	2916	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	8237	6/3/2013	6/12/2013	2187	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5E	8289	6/18/2013	7/10/2013	2187	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	7852	1/3/2013	1/10/2013	1458	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	7883	1/15/2013	1/23/2013	2187	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	7922	1/29/2013	2/8/2013	2916	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	7975	2/12/2013	2/20/2013	2916	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	7997	2/26/2013	3/5/2013	2916	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	8047	3/12/2013	3/20/2013	2187	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	8068	3/25/2013	4/2/2013	2916	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	8120	4/9/2013	4/17/2013	3280.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	8142	4/23/2013	4/29/2013	3280.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	8180	5/7/2013	5/20/2013	4374	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	8214	5/21/2013	6/3/2013	2916	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	8238	6/3/2013	6/12/2013	2187	U
1,2,4-Trimethylbenzene *	95-63-6	P6R5I	8288	6/18/2013	7/10/2013	729	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	7859	1/9/2013	1/17/2013	8748	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	7910	1/23/2013	2/1/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	7951	2/6/2013	2/15/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	7989	2/20/2013	2/28/2013	13122	U

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds not appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	8022	3/6/2013	3/13/2013	19683	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	8061	3/20/2013	3/26/2013	19683	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	8085	4/3/2013	4/12/2013	19683	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	8133	4/17/2013	4/24/2013	19683	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	8157	5/1/2013	5/8/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	8207	5/14/2013	5/28/2013	19683	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	8229	5/29/2013	6/6/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	8280	6/10/2013	6/21/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6E	8301	6/26/2013	7/12/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	7861	1/9/2013	1/17/2013	8748	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	7916	1/23/2013	2/1/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	7952	2/6/2013	2/18/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	7988	2/20/2013	2/28/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	8024	3/6/2013	3/13/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	8060	3/20/2013	3/26/2013	19683	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	8082	4/3/2013	4/12/2013	19683	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	8134	4/17/2013	4/24/2013	19683	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	8156	5/1/2013	5/8/2013	19683	590.49 J
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	8208	5/14/2013	5/28/2013	19683	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	8228	5/29/2013	6/5/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	8282	6/10/2013	6/21/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R6I	8302	6/26/2013	7/13/2013	13122	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	7857	1/8/2013	1/17/2013	26244	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	7907	1/22/2013	2/1/2013	26244	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	7979	2/8/2013	2/18/2013	26244	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	7985	2/19/2013	2/28/2013	26244	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	8025	3/6/2013	3/14/2013	39366	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	8057	3/19/2013	3/26/2013	39366	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	8079	4/2/2013	4/11/2013	39366	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	8129	4/16/2013	4/24/2013	39366	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	8152	4/30/2013	5/8/2013	39366	U

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## Attachment 4 – VOC Non-Target Results (TICs and Additional Requested Analytes)

VOC non-target results for compounds not appearing in Appendix VIII of 40 CFR Part 261

Compound Name	CAS #	Location	Sample ID	Sample Date	Analysis Date	MRL (ppbv)	Concentration (ppbv)
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	8203	5/13/2013	5/28/2013	29524.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	8225	5/28/2013	6/5/2013	39366	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	8277	6/9/2013	6/21/2013	29524.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7E	8299	6/25/2013	7/12/2013	26244	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	7858	1/8/2013	1/17/2013	26244	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	7908	1/22/2013	2/1/2013	26244	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	7950	2/5/2013	2/15/2013	26244	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	7984	2/19/2013	2/28/2013	26244	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	8020	3/5/2013	3/13/2013	26244	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	8058 R	3/19/2013	3/26/2013	2916	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	8080	4/2/2013	4/11/2013	29524.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	8130	4/16/2013	4/24/2013	29524.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	8154	4/30/2013	5/8/2013	29524.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	8204	5/13/2013	5/28/2013	29524.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	8224	5/28/2013	6/5/2013	29524.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	8278	6/9/2013	6/21/2013	29524.5	U
1,2,4-Trimethylbenzene *	95-63-6	P6R7I	8298	6/25/2013	7/12/2013	19683	U
Pentane, 3-methyl-	96-14-0	P6R2E	7911	1/23/2013	2/1/2013		0.99 NJ
Cyclopentane, methyl-	96-37-7	P6R3E	7909	1/22/2013	2/1/2013		1.20 NJ

**Notes:**

Descriptions for qualifiers (i.e., R, U, J, and NJ) are presented in section 1.2 of this report.

MRL = method reporting limit, adjusted to compensate for dilutions, as applicable. Additional details are presented in section 1.2 of this report. A value will not appear in the MRL column for tentatively identified compounds (TICs).

ppbv = parts per billion by volume.

\* Denotes additional requested analyte.

† Compounds associated with column bleed.

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## Attachment 5 – Hydrogen and Methane Results

## Panel 3 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P3EBA	7871	1/8/2013	1/14/2013	Hydrogen	100	U
P3EBA	7871	1/8/2013	1/14/2013	Methane	100	U
P3EBA	7934	2/5/2013	2/8/2013	Hydrogen	100	U
P3EBA	7934	2/5/2013	2/8/2013	Methane	100	U
P3EBA	8007	3/5/2013	3/11/2013	Hydrogen	100	U
P3EBA	8007	3/5/2013	3/11/2013	Methane	100	U
P3EBA	8093	4/2/2013	4/5/2013	Hydrogen	100	U
P3EBA	8093	4/2/2013	4/5/2013	Methane	100	U
P3EBA	8192	5/14/2013	5/17/2013	Hydrogen	100	U
P3EBA	8192	5/14/2013	5/17/2013	Methane	100	U
P3EBA	8266	6/9/2013	6/14/2013	Hydrogen	100	U
P3EBA	8266	6/9/2013	6/14/2013	Methane	100	U
P3EBW	7870	1/8/2013	1/14/2013	Hydrogen	100	U
P3EBW	7870	1/8/2013	1/14/2013	Methane	100	U
P3EBW	7933	2/5/2013	2/8/2013	Hydrogen	100	U
P3EBW	7933	2/5/2013	2/8/2013	Methane	100	U
P3EBW	8006	3/5/2013	3/11/2013	Hydrogen	100	U
P3EBW	8006	3/5/2013	3/11/2013	Methane	100	U
P3EBW	8092	4/2/2013	4/5/2013	Hydrogen	100	U
P3EBW	8092	4/2/2013	4/5/2013	Methane	100	U
P3EBW	8191	5/14/2013	5/17/2013	Hydrogen	100	U
P3EBW	8191	5/14/2013	5/17/2013	Methane	100	U
P3EBW	8265	6/9/2013	6/14/2013	Hydrogen	100	36.10 J
P3EBW	8265	6/9/2013	6/14/2013	Methane	100	U
P3IBA	7864	1/8/2013	1/14/2013	Hydrogen	100	U
P3IBA	7864	1/8/2013	1/14/2013	Methane	100	U
P3IBA	7927	2/5/2013	2/8/2013	Hydrogen	100	U
P3IBA	7927	2/5/2013	2/8/2013	Methane	100	U
P3IBA	8000	3/5/2013	3/11/2013	Hydrogen	100	U
P3IBA	8000	3/5/2013	3/11/2013	Methane	100	U
P3IBA	8086	4/2/2013	4/5/2013	Hydrogen	100	U
P3IBA	8086	4/2/2013	4/5/2013	Methane	100	U
P3IBA	8185	5/13/2013	5/17/2013	Hydrogen	100	U

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## Attachment 5 – Hydrogen and Methane Results

## Panel 3 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P3IBA	8185	5/13/2013	5/17/2013	Methane	100	U
P3IBA	8259	6/9/2013	6/14/2013	Hydrogen	100	U
P3IBA	8259	6/9/2013	6/14/2013	Methane	100	U
P3IBW	7865	1/8/2013	1/14/2013	Hydrogen	100	U
P3IBW	7865	1/8/2013	1/14/2013	Methane	100	U
P3IBW	7928	2/5/2013	2/8/2013	Hydrogen	100	U
P3IBW	7928	2/5/2013	2/8/2013	Methane	100	U
P3IBW	8001	3/5/2013	3/11/2013	Hydrogen	100	U
P3IBW	8001	3/5/2013	3/11/2013	Methane	100	U
P3IBW	8087	4/2/2013	4/5/2013	Hydrogen	100	U
P3IBW	8087	4/2/2013	4/5/2013	Methane	100	U
P3IBW	8186	5/13/2013	5/17/2013	Hydrogen	100	U
P3IBW	8186	5/13/2013	5/17/2013	Methane	100	U
P3IBW	8260	6/9/2013	6/14/2013	Hydrogen	100	U
P3IBW	8260	6/9/2013	6/14/2013	Methane	100	U
P3R1E	7876	1/8/2013	1/14/2013	Hydrogen	100	U
P3R1E	7876	1/8/2013	1/14/2013	Methane	100	U
P3R1E	7939	2/5/2013	2/8/2013	Hydrogen	100	U
P3R1E	7939	2/5/2013	2/8/2013	Methane	100	U
P3R1E	8012	3/5/2013	3/11/2013	Hydrogen	100	U
P3R1E	8012	3/5/2013	3/11/2013	Methane	100	U
P3R1E	8098	4/2/2013	4/5/2013	Hydrogen	100	U
P3R1E	8098	4/2/2013	4/5/2013	Methane	100	U
P3R1E	8197	5/14/2013	5/17/2013	Hydrogen	100	35.12 J
P3R1E	8197	5/14/2013	5/17/2013	Methane	100	U
P3R1E	8271	6/10/2013	6/14/2013	Hydrogen	100	35.40 J
P3R1E	8271	6/10/2013	6/14/2013	Methane	100	U
P3R2E	7869	1/8/2013	1/14/2013	Hydrogen	100	42.76 J
P3R2E	7869	1/8/2013	1/14/2013	Methane	100	U
P3R2E	7932	2/5/2013	2/8/2013	Hydrogen	100	U
P3R2E	7932	2/5/2013	2/8/2013	Methane	100	U
P3R2E	8005	3/5/2013	3/11/2013	Hydrogen	100	U
P3R2E	8005	3/5/2013	3/11/2013	Methane	100	U
P3R2E	8091	4/2/2013	4/5/2013	Hydrogen	100	U

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## Attachment 5 – Hydrogen and Methane Results

## Panel 3 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P3R2E	8091	4/2/2013	4/5/2013	Methane	100	U
P3R2E	8190	5/14/2013	5/17/2013	Hydrogen	100	51.84 J
P3R2E	8190	5/14/2013	5/17/2013	Methane	100	U
P3R2E	8264	6/9/2013	6/14/2013	Hydrogen	100	39.08 J
P3R2E	8264	6/9/2013	6/14/2013	Methane	100	U
P3R2I	7875	1/8/2013	1/14/2013	Hydrogen	100	U
P3R2I	7875	1/8/2013	1/14/2013	Methane	100	U
P3R2I	7938	2/5/2013	2/8/2013	Hydrogen	100	U
P3R2I	7938	2/5/2013	2/8/2013	Methane	100	U
P3R2I	8011	3/5/2013	3/11/2013	Hydrogen	100	U
P3R2I	8011	3/5/2013	3/11/2013	Methane	100	U
P3R2I	8097	4/2/2013	4/5/2013	Hydrogen	100	U
P3R2I	8097	4/2/2013	4/5/2013	Methane	100	U
P3R2I	8196	5/14/2013	5/17/2013	Hydrogen	100	U
P3R2I	8196	5/14/2013	5/17/2013	Methane	100	U
P3R2I	8270	6/10/2013	6/14/2013	Hydrogen	100	U
P3R2I	8270	6/10/2013	6/14/2013	Methane	100	U
P3R3E	7868	1/8/2013	1/14/2013	Hydrogen	100	48.88 J
P3R3E	7868	1/8/2013	1/14/2013	Methane	100	U
P3R3E	7931	2/5/2013	2/8/2013	Hydrogen	100	U
P3R3E	7931	2/5/2013	2/8/2013	Methane	100	U
P3R3E	8004	3/5/2013	3/11/2013	Hydrogen	100	U
P3R3E	8004	3/5/2013	3/11/2013	Methane	100	U
P3R3E	8090	4/2/2013	4/5/2013	Hydrogen	100	U
P3R3E	8090	4/2/2013	4/5/2013	Methane	100	U
P3R3E	8189	5/13/2013	5/17/2013	Hydrogen	100	U
P3R3E	8189	5/13/2013	5/17/2013	Methane	100	U
P3R3E	8263	6/9/2013	6/14/2013	Hydrogen	100	U
P3R3E	8263	6/9/2013	6/14/2013	Methane	100	U
P3R3I	7874	1/8/2013	1/14/2013	Hydrogen	100	U
P3R3I	7874	1/8/2013	1/14/2013	Methane	100	U
P3R3I	7937	2/5/2013	2/8/2013	Hydrogen	100	U
P3R3I	7937	2/5/2013	2/8/2013	Methane	100	U
P3R3I	8010	3/5/2013	3/11/2013	Hydrogen	100	U

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## Attachment 5 – Hydrogen and Methane Results

## Panel 3 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P3R3I	8010	3/5/2013	3/11/2013	Methane	100	U
P3R3I	8096	4/2/2013	4/5/2013	Hydrogen	100	U
P3R3I	8096	4/2/2013	4/5/2013	Methane	100	U
P3R3I	8195	5/14/2013	5/17/2013	Hydrogen	100	U
P3R3I	8195	5/14/2013	5/17/2013	Methane	100	U
P3R3I	8269	6/10/2013	6/14/2013	Hydrogen	100	U
P3R3I	8269	6/10/2013	6/14/2013	Methane	100	U
P3R4E	7867	1/8/2013	1/14/2013	Hydrogen	100	38.68 J
P3R4E	7867	1/8/2013	1/14/2013	Methane	100	U
P3R4E	7930	2/5/2013	2/8/2013	Hydrogen	100	U
P3R4E	7930	2/5/2013	2/8/2013	Methane	100	U
P3R4E	8003	3/5/2013	3/11/2013	Hydrogen	100	U
P3R4E	8003	3/5/2013	3/11/2013	Methane	100	U
P3R4E	8089	4/2/2013	4/5/2013	Hydrogen	100	U
P3R4E	8089	4/2/2013	4/5/2013	Methane	100	U
P3R4E	8188	5/13/2013	5/17/2013	Hydrogen	100	U
P3R4E	8188	5/13/2013	5/17/2013	Methane	100	U
P3R4E	8262	6/9/2013	6/14/2013	Hydrogen	100	38.84 J
P3R4E	8262	6/9/2013	6/14/2013	Methane	100	U
P3R4I	7873	1/8/2013	1/14/2013	Hydrogen	100	U
P3R4I	7873	1/8/2013	1/14/2013	Methane	100	U
P3R4I	7936	2/5/2013	2/8/2013	Hydrogen	100	U
P3R4I	7936	2/5/2013	2/8/2013	Methane	100	U
P3R4I	8009	3/5/2013	3/11/2013	Hydrogen	100	U
P3R4I	8009	3/5/2013	3/11/2013	Methane	100	U
P3R4I	8095	4/2/2013	4/5/2013	Hydrogen	100	U
P3R4I	8095	4/2/2013	4/5/2013	Methane	100	U
P3R4I	8194	5/14/2013	5/17/2013	Hydrogen	100	U
P3R4I	8194	5/14/2013	5/17/2013	Methane	100	U
P3R4I	8268	6/10/2013	6/14/2013	Hydrogen	100	U
P3R4I	8268	6/10/2013	6/14/2013	Methane	100	U
P3R5E	7866	1/8/2013	1/14/2013	Hydrogen	100	38.90 J
P3R5E	7866	1/8/2013	1/14/2013	Methane	100	U
P3R5E	7929	2/5/2013	2/8/2013	Hydrogen	100	U

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## Attachment 5 – Hydrogen and Methane Results

## Panel 3 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P3R5E	7929	2/5/2013	2/8/2013	Methane	100	U
P3R5E	8002	3/5/2013	3/11/2013	Hydrogen	100	U
P3R5E	8002	3/5/2013	3/11/2013	Methane	100	U
P3R5E	8088	4/2/2013	4/5/2013	Hydrogen	100	39.80 J
P3R5E	8088	4/2/2013	4/5/2013	Methane	100	U
P3R5E	8187	5/13/2013	5/17/2013	Hydrogen	100	U
P3R5E	8187	5/13/2013	5/17/2013	Methane	100	U
P3R5E	8261	6/9/2013	6/14/2013	Hydrogen	100	U
P3R5E	8261	6/9/2013	6/14/2013	Methane	100	U
P3R5I	7872	1/8/2013	1/14/2013	Hydrogen	100	U
P3R5I	7872	1/8/2013	1/14/2013	Methane	100	U
P3R5I	7935	2/5/2013	2/8/2013	Hydrogen	100	U
P3R5I	7935	2/5/2013	2/8/2013	Methane	100	U
P3R5I	8008	3/5/2013	3/11/2013	Hydrogen	100	U
P3R5I	8008	3/5/2013	3/11/2013	Methane	100	U
P3R5I	8094	4/2/2013	4/5/2013	Hydrogen	100	U
P3R5I	8094	4/2/2013	4/5/2013	Methane	100	U
P3R5I	8193	5/14/2013	5/17/2013	Hydrogen	100	U
P3R5I	8193	5/14/2013	5/17/2013	Methane	100	U
P3R5I	8267	6/10/2013	6/14/2013	Hydrogen	100	U
P3R5I	8267	6/10/2013	6/14/2013	Methane	100	U

**Notes:**

Descriptions for qualifiers (i.e., U and J) are presented in section 1.2 of this report.

MRL = method reporting limit, adjusted to compensate for dilutions, as applicable. Additional details are presented in section 1.2 of this report.

ppmv = parts per million by volume.

Panel 3 sample lines determined as obstructed:

- (1) P3R1I on July 14, 2008
- (2) P3R6I on September 22, 2010
- (3) P3R7E on August 30, 2010
- (4) P3R7I on July 14, 2008
- (5) P3R6E on October 10, 2012

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## Attachment 5 – Hydrogen and Methane Results

Panel 4 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P4EBA	7900	1/15/2013	1/18/2013	Hydrogen	100	U
P4EBA	7900	1/15/2013	1/18/2013	Methane	100	U
P4EBA	7967	2/12/2013	2/15/2013	Hydrogen	100	U
P4EBA	7967	2/12/2013	2/15/2013	Methane	100	U
P4EBA	8039	3/12/2013	3/15/2013	Hydrogen	100	U
P4EBA	8039	3/12/2013	3/15/2013	Methane	100	U
P4EBA	8113	4/9/2013	4/12/2013	Hydrogen	100	U
P4EBA	8113	4/9/2013	4/12/2013	Methane	100	U
P4EBA	8172	5/7/2013	5/10/2013	Hydrogen	100	U
P4EBA	8172	5/7/2013	5/10/2013	Methane	100	U
P4EBA	8256	6/3/2013	6/7/2013	Hydrogen	100	U
P4EBA	8256	6/3/2013	6/7/2013	Methane	100	U
P4EBW	7899	1/15/2013	1/18/2013	Hydrogen	100	268.06
P4EBW	7899	1/15/2013	1/18/2013	Methane	100	U
P4EBW	7966	2/12/2013	2/15/2013	Hydrogen	100	119.78
P4EBW	7966	2/12/2013	2/15/2013	Methane	100	U
P4EBW	8038	3/12/2013	3/15/2013	Hydrogen	100	106.72
P4EBW	8038	3/12/2013	3/15/2013	Methane	100	U
P4EBW	8112	4/9/2013	4/12/2013	Hydrogen	100	85.90 J
P4EBW	8112	4/9/2013	4/12/2013	Methane	100	U
P4EBW	8171	5/7/2013	5/10/2013	Hydrogen	100	89.32 J
P4EBW	8171	5/7/2013	5/10/2013	Methane	100	U
P4EBW	8255	6/3/2013	6/7/2013	Hydrogen	100	100.18
P4EBW	8255	6/3/2013	6/7/2013	Methane	100	U
P4IBA	7895	1/15/2013	1/18/2013	Hydrogen	100	U
P4IBA	7895	1/15/2013	1/18/2013	Methane	100	U
P4IBA	7962	2/12/2013	2/15/2013	Hydrogen	100	U
P4IBA	7962	2/12/2013	2/15/2013	Methane	100	U

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## Attachment 5 – Hydrogen and Methane Results

## Panel 4 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P4IBA	8034	3/12/2013	3/15/2013	Hydrogen	100	U
P4IBA	8034	3/12/2013	3/15/2013	Methane	100	U
P4IBA	8108	4/9/2013	4/12/2013	Hydrogen	100	U
P4IBA	8108	4/9/2013	4/12/2013	Methane	100	U
P4IBA	8167	5/7/2013	5/10/2013	Hydrogen	100	U
P4IBA	8167	5/7/2013	5/10/2013	Methane	100	U
P4IBA	8251	6/3/2013	6/7/2013	Hydrogen	100	U
P4IBA	8251	6/3/2013	6/7/2013	Methane	100	U
P4IBW	7894	1/15/2013	1/18/2013	Hydrogen	100	U
P4IBW	7894	1/15/2013	1/18/2013	Methane	100	U
P4IBW	7961	2/12/2013	2/15/2013	Hydrogen	100	137.52
P4IBW	7961	2/12/2013	2/15/2013	Methane	100	U
P4IBW	8033	3/12/2013	3/15/2013	Hydrogen	100	222.48
P4IBW	8033	3/12/2013	3/15/2013	Methane	100	U
P4IBW	8107	4/9/2013	4/12/2013	Hydrogen	100	260.22
P4IBW	8107	4/9/2013	4/12/2013	Methane	100	U
P4IBW	8166	5/7/2013	5/10/2013	Hydrogen	100	344.92
P4IBW	8166	5/7/2013	5/10/2013	Methane	100	U
P4IBW	8250	6/3/2013	6/7/2013	Hydrogen	100	U
P4IBW	8250	6/3/2013	6/7/2013	Methane	100	U
P4R1E	7901	1/15/2013	1/18/2013	Hydrogen	100	355.52
P4R1E	7901	1/15/2013	1/18/2013	Methane	100	U
P4R1E	7968	2/12/2013	2/15/2013	Hydrogen	100	216.66
P4R1E	7968	2/12/2013	2/15/2013	Methane	100	U
P4R1E	8040	3/12/2013	3/15/2013	Hydrogen	100	316.90
P4R1E	8040	3/12/2013	3/15/2013	Methane	100	U
P4R1E	8114	4/9/2013	4/12/2013	Hydrogen	100	345.72
P4R1E	8114	4/9/2013	4/12/2013	Methane	100	U
P4R1E	8173	5/7/2013	5/10/2013	Hydrogen	100	350.46

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## Attachment 5 – Hydrogen and Methane Results

## Panel 4 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P4R1E	8173	5/7/2013	5/10/2013	Methane	100	U
P4R1E	8257	6/3/2013	6/7/2013	Hydrogen	100	110.94
P4R1E	8257	6/3/2013	6/7/2013	Methane	100	U
P4R1I	7893	1/14/2013	1/18/2013	Hydrogen	100	255.32
P4R1I	7893	1/14/2013	1/18/2013	Methane	100	U
P4R1I	7960	2/12/2013	2/15/2013	Hydrogen	100	183.22
P4R1I	7960	2/12/2013	2/15/2013	Methane	100	U
P4R1I	8032	3/12/2013	3/15/2013	Hydrogen	100	288.84
P4R1I	8032	3/12/2013	3/15/2013	Methane	100	U
P4R1I	8106	4/9/2013	4/12/2013	Hydrogen	100	319.72
P4R1I	8106	4/9/2013	4/12/2013	Methane	100	U
P4R1I	8165	5/7/2013	5/10/2013	Hydrogen	100	351.74
P4R1I	8165	5/7/2013	5/10/2013	Methane	100	U
P4R1I	8249	6/3/2013	6/7/2013	Hydrogen	100	U
P4R1I	8249	6/3/2013	6/7/2013	Methane	100	U
P4R2E	7898	1/15/2013	1/18/2013	Hydrogen	100	339.92
P4R2E	7898	1/15/2013	1/18/2013	Methane	100	U
P4R2E	7965	2/12/2013	2/15/2013	Hydrogen	100	207.92
P4R2E	7965	2/12/2013	2/15/2013	Methane	100	U
P4R2E	8037	3/12/2013	3/15/2013	Hydrogen	100	305.26
P4R2E	8037	3/12/2013	3/15/2013	Methane	100	U
P4R2E	8111	4/9/2013	4/12/2013	Hydrogen	100	345.36
P4R2E	8111	4/9/2013	4/12/2013	Methane	100	U
P4R2E	8170	5/7/2013	5/10/2013	Hydrogen	100	377.98
P4R2E	8170	5/7/2013	5/10/2013	Methane	100	U
P4R2E	8254	6/3/2013	6/7/2013	Hydrogen	100	113.44
P4R2E	8254	6/3/2013	6/7/2013	Methane	100	U
P4R2I	7892	1/14/2013	1/18/2013	Hydrogen	100	213.82
P4R2I	7892	1/14/2013	1/18/2013	Methane	100	U

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## Attachment 5 – Hydrogen and Methane Results

## Panel 4 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P4R2I	7959	2/12/2013	2/15/2013	Hydrogen	100	174.24
P4R2I	7959	2/12/2013	2/15/2013	Methane	100	U
P4R2I	8031	3/12/2013	3/15/2013	Hydrogen	100	314.18
P4R2I	8031	3/12/2013	3/15/2013	Methane	100	U
P4R2I	8105	4/9/2013	4/12/2013	Hydrogen	100	334.40
P4R2I	8105	4/9/2013	4/12/2013	Methane	100	U
P4R2I	8164	5/7/2013	5/10/2013	Hydrogen	100	367.36
P4R2I	8164	5/7/2013	5/10/2013	Methane	100	U
P4R2I	8248	6/3/2013	6/7/2013	Hydrogen	100	U
P4R2I	8248	6/3/2013	6/7/2013	Methane	100	U
P4R3E	7897	1/15/2013	1/18/2013	Hydrogen	100	380.88
P4R3E	7897	1/15/2013	1/18/2013	Methane	100	U
P4R3E	7964	2/12/2013	2/15/2013	Hydrogen	100	221.86
P4R3E	7964	2/12/2013	2/15/2013	Methane	100	U
P4R3E	8036	3/12/2013	3/15/2013	Hydrogen	100	324.78
P4R3E	8036	3/12/2013	3/15/2013	Methane	100	U
P4R3E	8110	4/9/2013	4/12/2013	Hydrogen	100	388.98
P4R3E	8110	4/9/2013	4/12/2013	Methane	100	U
P4R3E	8169	5/7/2013	5/10/2013	Hydrogen	100	395.20
P4R3E	8169	5/7/2013	5/10/2013	Methane	100	U
P4R3E	8253	6/3/2013	6/7/2013	Hydrogen	100	136.12
P4R3E	8253	6/3/2013	6/7/2013	Methane	100	U
P4R3I	7891	1/14/2013	1/18/2013	Hydrogen	100	291.36
P4R3I	7891	1/14/2013	1/18/2013	Methane	100	U
P4R3I	7958	2/12/2013	2/15/2013	Hydrogen	100	174.32
P4R3I	7958	2/12/2013	2/15/2013	Methane	100	U
P4R3I	8030	3/12/2013	3/15/2013	Hydrogen	100	296.12
P4R3I	8030	3/12/2013	3/15/2013	Methane	100	U
P4R3I	8104	4/9/2013	4/12/2013	Hydrogen	100	310.82

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## Attachment 5 – Hydrogen and Methane Results

## Panel 4 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P4R3I	8104	4/9/2013	4/12/2013	Methane	100	U
P4R3I	8163	5/7/2013	5/10/2013	Hydrogen	100	348.24
P4R3I	8163	5/7/2013	5/10/2013	Methane	100	U
P4R3I	8247	6/3/2013	6/7/2013	Hydrogen	100	U
P4R3I	8247	6/3/2013	6/7/2013	Methane	100	U
P4R4I	7890	1/14/2013	1/18/2013	Hydrogen	100	400.52
P4R4I	7890	1/14/2013	1/18/2013	Methane	100	U
P4R4I	7957	2/12/2013	2/15/2013	Hydrogen	100	187.84
P4R4I	7957	2/12/2013	2/15/2013	Methane	100	U
P4R4I	8029	3/12/2013	3/15/2013	Hydrogen	100	292.78
P4R4I	8029	3/12/2013	3/15/2013	Methane	100	U
P4R4I	8103	4/9/2013	4/12/2013	Hydrogen	100	273.76
P4R4I	8103	4/9/2013	4/12/2013	Methane	100	U
P4R4I	8162	5/7/2013	5/10/2013	Hydrogen	100	345.92
P4R4I	8162	5/7/2013	5/10/2013	Methane	100	U
P4R4I	8246	6/3/2013	6/7/2013	Hydrogen	100	36.88 J
P4R4I	8246	6/3/2013	6/7/2013	Methane	100	U
P4R5I	7889	1/14/2013	1/18/2013	Hydrogen	100	356.84
P4R5I	7889	1/14/2013	1/18/2013	Methane	100	U
P4R5I	7956	2/12/2013	2/15/2013	Hydrogen	100	177.06
P4R5I	7956	2/12/2013	2/15/2013	Methane	100	U
P4R5I	8028	3/12/2013	3/15/2013	Hydrogen	100	303.32
P4R5I	8028	3/12/2013	3/15/2013	Methane	100	U
P4R5I	8102	4/9/2013	4/12/2013	Hydrogen	100	296.04
P4R5I	8102	4/9/2013	4/12/2013	Methane	100	U
P4R5I	8161	5/7/2013	5/10/2013	Hydrogen	100	360.62
P4R5I	8161	5/7/2013	5/10/2013	Methane	100	U
P4R5I	8245	6/3/2013	6/7/2013	Hydrogen	100	U
P4R5I	8245	6/3/2013	6/7/2013	Methane	100	U

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## Attachment 5 – Hydrogen and Methane Results

## Panel 4 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P4R6I	7888	1/14/2013	1/18/2013	Hydrogen	100	270.80
P4R6I	7888	1/14/2013	1/18/2013	Methane	100	U
P4R6I	7955	2/12/2013	2/15/2013	Hydrogen	100	160.74
P4R6I	7955	2/12/2013	2/15/2013	Methane	100	U
P4R6I	8027	3/12/2013	3/15/2013	Hydrogen	100	288.12
P4R6I	8027	3/12/2013	3/15/2013	Methane	100	U
P4R6I	8101	4/9/2013	4/12/2013	Hydrogen	100	316.54
P4R6I	8101	4/9/2013	4/12/2013	Methane	100	U
P4R6I	8160	5/7/2013	5/10/2013	Hydrogen	100	257.66
P4R6I	8160	5/7/2013	5/10/2013	Methane	100	U
P4R6I	8244	6/3/2013	6/7/2013	Hydrogen	100	U
P4R6I	8244	6/3/2013	6/7/2013	Methane	100	U
P4R7E	7896	1/15/2013	1/18/2013	Hydrogen	100	363.00
P4R7E	7896	1/15/2013	1/18/2013	Methane	100	U
P4R7E	7963	2/12/2013	2/15/2013	Hydrogen	100	220.44
P4R7E	7963	2/12/2013	2/15/2013	Methane	100	U
P4R7E	8035	3/12/2013	3/15/2013	Hydrogen	100	328.82
P4R7E	8035	3/12/2013	3/15/2013	Methane	100	U
P4R7E	8109	4/9/2013	4/12/2013	Hydrogen	100	362.76
P4R7E	8109	4/9/2013	4/12/2013	Methane	100	U
P4R7E	8168	5/7/2013	5/10/2013	Hydrogen	100	385.40
P4R7E	8168	5/7/2013	5/10/2013	Methane	100	U
P4R7E	8252	6/3/2013	6/7/2013	Hydrogen	100	151.62
P4R7E	8252	6/3/2013	6/7/2013	Methane	100	U
P4R7I	7887	1/14/2013	1/18/2013	Hydrogen	100	242.66
P4R7I	7887	1/14/2013	1/18/2013	Methane	100	U
P4R7I	7954	2/12/2013	2/15/2013	Hydrogen	100	194.70
P4R7I	7954	2/12/2013	2/15/2013	Methane	100	U
P4R7I	8026	3/12/2013	3/15/2013	Hydrogen	100	317.90

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## Attachment 5 – Hydrogen and Methane Results

## Panel 4 – Hydrogen and Methane Results

Location	Sample ID	Sample Date	Analysis Date	Compound Name	MRL (ppmv)	Concentration (ppmv)
P4R7I	8026	3/12/2013	3/15/2013	Methane	100	U
P4R7I	8100	4/9/2013	4/12/2013	Hydrogen	100	335.64
P4R7I	8100	4/9/2013	4/12/2013	Methane	100	U
P4R7I	8159	5/7/2013	5/10/2013	Hydrogen	100	350.10
P4R7I	8159	5/7/2013	5/10/2013	Methane	100	U
P4R7I	8243	6/3/2013	6/7/2013	Hydrogen	100	U
P4R7I	8243	6/3/2013	6/7/2013	Methane	100	U

**Notes:**

Descriptions for qualifiers (i.e., U and J) are presented in section 1.2 of this report.

MRL = method reporting limit, adjusted to compensate for dilutions, as applicable. Additional details are presented in section 1.2 of this report.  
ppmv = parts per million by volume.

Panel 4 sample lines determined as obstructed: (1) P4R4E on April 7, 2011  
(2) P4R6E on December 13, 2011  
(3) P4R5E on August 14, 2012

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
1/10/2013	7845	1/10/2013	7845-dup	1,1,1-Trichloroethane	66.73*	58.28*	8.45	13.52
1/10/2013	7845	1/10/2013	7845-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
1/10/2013	7845	1/10/2013	7845-dup	1,1-Dichloroethylene	U	U	0	0.00
1/10/2013	7845	1/10/2013	7845-dup	1,2-Dichloroethane	U	U	0	0.00
1/10/2013	7845	1/10/2013	7845-dup	Carbon Tetrachloride	509.50*	463.24*	46.26	9.51
1/10/2013	7845	1/10/2013	7845-dup	Chlorobenzene	U	U	0	0.00
1/10/2013	7845	1/10/2013	7845-dup	Chloroform	39.21*	34.99*	4.22	11.37
1/10/2013	7845	1/10/2013	7845-dup	Methylene Chloride	10.40* J	9.96* J	0.44	4.32
1/10/2013	7845	1/10/2013	7845-dup	Toluene	0.75* J	U	0.75	200.00
1/17/2013	7853	1/17/2013	7853-dup	1,1,1-Trichloroethane	38.24*	38.92*	-0.68	1.76
1/17/2013	7853	1/17/2013	7853-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
1/17/2013	7853	1/17/2013	7853-dup	1,1-Dichloroethylene	0.38* J	0.38* J	0	0.00
1/17/2013	7853	1/17/2013	7853-dup	1,2-Dichloroethane	U	U	0	0.00
1/17/2013	7853	1/17/2013	7853-dup	Carbon Tetrachloride	264.11*	272.22*	-8.11	3.02
1/17/2013	7853	1/17/2013	7853-dup	Chlorobenzene	U	U	0	0.00
1/17/2013	7853	1/17/2013	7853-dup	Chloroform	23.76*	24.34*	-0.58	2.41
1/17/2013	7853	1/17/2013	7853-dup	Methylene Chloride	6.51*	6.65*	-0.14	2.13
1/17/2013	7853	1/17/2013	7853-dup	Toluene	0.53* J	0.48* J	0.05	9.90
1/18/2013	7863	1/18/2013	7863-dup	1,1,1-Trichloroethane	2.65	2.75	-0.1	3.70
1/18/2013	7863	1/18/2013	7863-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
1/18/2013	7863	1/18/2013	7863-dup	1,1-Dichloroethylene	U	U	0	0.00
1/18/2013	7863	1/18/2013	7863-dup	1,2-Dichloroethane	U	U	0	0.00
1/18/2013	7863	1/18/2013	7863-dup	Carbon Tetrachloride	7.23	7.12	0.11	1.53
1/18/2013	7863	1/18/2013	7863-dup	Chlorobenzene	U	U	0	0.00
1/18/2013	7863	1/18/2013	7863-dup	Chloroform	0.65 J	0.65 J	0	0.00
1/18/2013	7863	1/18/2013	7863-dup	Methylene Chloride	0.29 J	0.28 J	0.01	3.51
1/18/2013	7863	1/18/2013	7863-dup	Toluene	0.43 J	0.42 J	0.01	2.35
1/18/2013	7876	1/18/2013	7876-dup	1,1,1-Trichloroethane	3674.97	4066.2	-391.23	10.11
1/18/2013	7876	1/18/2013	7876-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
1/18/2013	7876	1/18/2013	7876-dup	1,1-Dichloroethylene	25.92 J	25.11 J	0.81	3.17
1/18/2013	7876	1/18/2013	7876-dup	1,2-Dichloroethane	8.1 J	8.1 J	0	0.00
1/18/2013	7876	1/18/2013	7876-dup	Carbon Tetrachloride	4594.32	5186.43	-592.11	12.11
1/18/2013	7876	1/18/2013	7876-dup	Chlorobenzene	U	U	0	0.00
1/18/2013	7876	1/18/2013	7876-dup	Chloroform	130.41	138.51	-8.1	6.02

Relative Percent Difference (RPD)

$$RPD = \frac{ABS(A - B)}{[(A + B) / 2]} \times 100$$

ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
1/18/2013	7876	1/18/2013	7876-dup	Methylene Chloride	999.54	1044.9	-45.36	4.44
1/18/2013	7876	1/18/2013	7876-dup	Toluene	55.89 J	54.27 J	1.62	2.94
1/23/2013	7879	1/23/2013	7879-dup	1,1,1-Trichloroethane	28.57*	28.14*	0.43	1.52
1/23/2013	7879	1/23/2013	7879-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
1/23/2013	7879	1/23/2013	7879-dup	1,1-Dichloroethylene	U	U	0	0.00
1/23/2013	7879	1/23/2013	7879-dup	1,2-Dichloroethane	U	U	0	0.00
1/23/2013	7879	1/23/2013	7879-dup	Carbon Tetrachloride	202.26*	195.64*	6.62	3.33
1/23/2013	7879	1/23/2013	7879-dup	Chlorobenzene	U	U	0	0.00
1/23/2013	7879	1/23/2013	7879-dup	Chloroform	15.37*	14.85*	0.52	3.44
1/23/2013	7879	1/23/2013	7879-dup	Methylene Chloride	4.83*	4.53*	0.3	6.41
1/23/2013	7879	1/23/2013	7879-dup	Toluene	0.34* J	0.34* J	0	0.00
1/23/2013	7901	1/23/2013	7901-dup	1,1,1-Trichloroethane	117923.04	108825.12	9097.92	8.02
1/23/2013	7901	1/23/2013	7901-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
1/23/2013	7901	1/23/2013	7901-dup	1,1-Dichloroethylene	U	U	0	0.00
1/23/2013	7901	1/23/2013	7901-dup	1,2-Dichloroethane	U	U	0	0.00
1/23/2013	7901	1/23/2013	7901-dup	Carbon Tetrachloride	761425.92	724859.28	36566.64	4.92
1/23/2013	7901	1/23/2013	7901-dup	Chlorobenzene	U	U	0	0.00
1/23/2013	7901	1/23/2013	7901-dup	Chloroform	53537.76	50388.48	3149.28	6.06
1/23/2013	7901	1/23/2013	7901-dup	Methylene Chloride	19420.56	17670.96	1749.6	9.43
1/23/2013	7901	1/23/2013	7901-dup	Toluene	U	U	0	0.00
2/1/2013	7903	2/1/2013	7903-dup	1,1,1-Trichloroethane	70.18*	67.38*	2.8	4.07
2/1/2013	7903	2/1/2013	7903-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
2/1/2013	7903	2/1/2013	7903-dup	1,1-Dichloroethylene	U	U	0	0.00
2/1/2013	7903	2/1/2013	7903-dup	1,2-Dichloroethane	U	U	0	0.00
2/1/2013	7903	2/1/2013	7903-dup	Carbon Tetrachloride	469.17*	456.50*	12.67	2.74
2/1/2013	7903	2/1/2013	7903-dup	Chlorobenzene	U	U	0	0.00
2/1/2013	7903	2/1/2013	7903-dup	Chloroform	38.72*	37.79*	0.93	2.43
2/1/2013	7903	2/1/2013	7903-dup	Methylene Chloride	13.28*	13.18*	0.1	0.76
2/1/2013	7903	2/1/2013	7903-dup	Toluene	1.76* J	1.66* J	0.1	5.85
2/1/2013	7916	2/1/2013	7916-dup	1,1,1-Trichloroethane	143029.8	143817.12	-787.32	0.55
2/1/2013	7916	2/1/2013	7916-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
2/1/2013	7916	2/1/2013	7916-dup	1,1-Dichloroethylene	U	U	0	0.00
2/1/2013	7916	2/1/2013	7916-dup	1,2-Dichloroethane	U	U	0	0.00
2/1/2013	7916	2/1/2013	7916-dup	Carbon Tetrachloride	530916.12	534721.5	-3805.38	0.71
2/1/2013	7916	2/1/2013	7916-dup	Chlorobenzene	U	U	0	0.00

Relative Percent Difference (RPD)

$$RPD = \frac{ABS(A - B)}{[(A + B) / 2]} \times 100$$

ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
2/1/2013	7916	2/1/2013	7916-dup	Chloroform	37397.7	36741.6	656.1	1.77
2/1/2013	7916	2/1/2013	7916-dup	Methylene Chloride	5380.02 J	5511.24 J	-131.22	2.41
2/1/2013	7916	2/1/2013	7916-dup	Toluene	1705.86 J	1574.64 J	131.22	8.00
2/8/2013	7919	2/8/2013	7919-dup	1,1,1-Trichloroethane	63.81*	63.35*	0.46	0.72
2/8/2013	7919	2/8/2013	7919-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
2/8/2013	7919	2/8/2013	7919-dup	1,1-Dichloroethylene	U	U	0	0.00
2/8/2013	7919	2/8/2013	7919-dup	1,2-Dichloroethane	U	U	0	0.00
2/8/2013	7919	2/8/2013	7919-dup	Carbon Tetrachloride	396.62*	406.65*	-10.03	2.50
2/8/2013	7919	2/8/2013	7919-dup	Chlorobenzene	U	U	0	0.00
2/8/2013	7919	2/8/2013	7919-dup	Chloroform	32.40*	32.17*	0.23	0.71
2/8/2013	7919	2/8/2013	7919-dup	Methylene Chloride	11.42*	11.34*	0.08	0.70
2/8/2013	7919	2/8/2013	7919-dup	Toluene	1.15* J	1.31* J	-0.16	13.01
2/15/2013	7941	2/15/2013	7941-dup	1,1,1-Trichloroethane	57.64*	51.81*	5.83	10.65
2/15/2013	7941	2/15/2013	7941-dup	1,1,2,2-Tetrachloroethane	0.71* J	U	0.71	200.00
2/15/2013	7941	2/15/2013	7941-dup	1,1-Dichloroethylene	U	U	0	0.00
2/15/2013	7941	2/15/2013	7941-dup	1,2-Dichloroethane	U	U	0	0.00
2/15/2013	7941	2/15/2013	7941-dup	Carbon Tetrachloride	338.15*	306.82*	31.33	9.72
2/15/2013	7941	2/15/2013	7941-dup	Chlorobenzene	U	U	0	0.00
2/15/2013	7941	2/15/2013	7941-dup	Chloroform	25.01*	23.28*	1.73	7.17
2/15/2013	7941	2/15/2013	7941-dup	Methylene Chloride	9.99*	9.12*	0.87	9.11
2/15/2013	7941	2/15/2013	7941-dup	Toluene	1.36* J	1.22* J	0.14	10.85
2/18/2013	7952	2/18/2013	7952-dup	1,1,1-Trichloroethane	129907.8	140142.96	-10235.16	7.58
2/18/2013	7952	2/18/2013	7952-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
2/18/2013	7952	2/18/2013	7952-dup	1,1-Dichloroethylene	U	U	0	0.00
2/18/2013	7952	2/18/2013	7952-dup	1,2-Dichloroethane	U	U	0	0.00
2/18/2013	7952	2/18/2013	7952-dup	Carbon Tetrachloride	478165.68	521861.94	-43696.26	8.74
2/18/2013	7952	2/18/2013	7952-dup	Chlorobenzene	U	U	0	0.00
2/18/2013	7952	2/18/2013	7952-dup	Chloroform	33592.32	37004.04	-3411.72	9.67
2/18/2013	7952	2/18/2013	7952-dup	Methylene Chloride	5380.02 J	5642.46 J	-262.44	4.76
2/18/2013	7952	2/18/2013	7952-dup	Toluene	1312.2 J	1443.42 J	-131.22	9.52
2/18/2013	7939	2/18/2013	7939-dup	1,1,1-Trichloroethane	1659.96	1739.34	-79.38	4.67
2/18/2013	7939	2/18/2013	7939-dup	1,1,2,2-Tetrachloroethane	5.94 J	2.16 J	3.78	93.33
2/18/2013	7939	2/18/2013	7939-dup	1,1-Dichloroethylene	22.68 J	21.6 J	1.08	4.88
2/18/2013	7939	2/18/2013	7939-dup	1,2-Dichloroethane	5.94 J	5.94 J	0	0.00
2/18/2013	7939	2/18/2013	7939-dup	Carbon Tetrachloride	2286.9	2381.4	-94.5	4.05

Relative Percent Difference (RPD)

RPD =  $\text{ABS} (A - B) / [(A + B) / 2] \times 100$ 

ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
2/18/2013	7939	2/18/2013	7939-dup	Chlorobenzene	U	U	0	0.00
2/18/2013	7939	2/18/2013	7939-dup	Chloroform	83.7	86.4	-2.7	3.17
2/18/2013	7939	2/18/2013	7939-dup	Methylene Chloride	432.54	440.64	-8.1	1.86
2/18/2013	7939	2/18/2013	7939-dup	Toluene	45.9 J	49.14 J	-3.24	6.82
2/20/2013	7971	2/20/2013	7971-dup	1,1,1-Trichloroethane	22.55*	22.58*	-0.03	0.13
2/20/2013	7971	2/20/2013	7971-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
2/20/2013	7971	2/20/2013	7971-dup	1,1-Dichloroethylene	U	U	0	0.00
2/20/2013	7971	2/20/2013	7971-dup	1,2-Dichloroethane	U	U	0	0.00
2/20/2013	7971	2/20/2013	7971-dup	Carbon Tetrachloride	101.66*	102.84*	-1.18	1.15
2/20/2013	7971	2/20/2013	7971-dup	Chlorobenzene	U	U	0	0.00
2/20/2013	7971	2/20/2013	7971-dup	Chloroform	8.34*	8.34*	0	0.00
2/20/2013	7971	2/20/2013	7971-dup	Methylene Chloride	3.00*	3.02*	-0.02	0.66
2/20/2013	7971	2/20/2013	7971-dup	Toluene	0.65* J	0.60* J	0.05	8.00
2/25/2013	7968	2/25/2013	7968-dup	1,1,1-Trichloroethane	62285.76	61673.4	612.36	0.99
2/25/2013	7968	2/25/2013	7968-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
2/25/2013	7968	2/25/2013	7968-dup	1,1-Dichloroethylene	U	U	0	0.00
2/25/2013	7968	2/25/2013	7968-dup	1,2-Dichloroethane	U	U	0	0.00
2/25/2013	7968	2/25/2013	7968-dup	Carbon Tetrachloride	345895.92	344846.16	1049.76	0.30
2/25/2013	7968	2/25/2013	7968-dup	Chlorobenzene	U	U	0	0.00
2/25/2013	7968	2/25/2013	7968-dup	Chloroform	25806.6	25631.64	174.96	0.68
2/25/2013	7968	2/25/2013	7968-dup	Methylene Chloride	10410.12	10060.2	349.92	3.42
2/25/2013	7968	2/25/2013	7968-dup	Toluene	1049.76 J	874.8 J	174.96	18.18
2/28/2013	7981	2/28/2013	7981-dup	1,1,1-Trichloroethane	42.44*	41.90*	0.54	1.28
2/28/2013	7981	2/28/2013	7981-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
2/28/2013	7981	2/28/2013	7981-dup	1,1-Dichloroethylene	0.53* J	0.53* J	0	0.00
2/28/2013	7981	2/28/2013	7981-dup	1,2-Dichloroethane	U	U	0	0.00
2/28/2013	7981	2/28/2013	7981-dup	Carbon Tetrachloride	298.99*	296.31*	2.68	0.90
2/28/2013	7981	2/28/2013	7981-dup	Chlorobenzene	U	U	0	0.00
2/28/2013	7981	2/28/2013	7981-dup	Chloroform	24.67*	24.54*	0.13	0.53
2/28/2013	7981	2/28/2013	7981-dup	Methylene Chloride	6.10* J	6.16* J	-0.06	0.98
2/28/2013	7981	2/28/2013	7981-dup	Toluene	0.60* J	0.53* J	0.07	12.39
2/28/2013	7989	2/28/2013	7989-dup	1,1,1-Trichloroethane	154577.16	156414.24	-1837.08	1.18
2/28/2013	7989	2/28/2013	7989-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
2/28/2013	7989	2/28/2013	7989-dup	1,1-Dichloroethylene	U	U	0	0.00
2/28/2013	7989	2/28/2013	7989-dup	1,2-Dichloroethane	U	U	0	0.00

Relative Percent Difference (RPD)

RPD =  $\text{ABS} (A - B) / [(A + B) / 2] \times 100$ 

ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
2/28/2013	7989	2/28/2013	7989-dup	Carbon Tetrachloride	568576.26	577630.44	-9054.18	1.58
2/28/2013	7989	2/28/2013	7989-dup	Chlorobenzene	U	U	0	0.00
2/28/2013	7989	2/28/2013	7989-dup	Chloroform	35429.4	34773.3	656.1	1.87
2/28/2013	7989	2/28/2013	7989-dup	Methylene Chloride	4330.26 J	4330.26 J	0	0.00
2/28/2013	7989	2/28/2013	7989-dup	Toluene	U	U	0	0.00
3/5/2013	7991	3/5/2013	7991-dup	1,1,1-Trichloroethane	51.50*	48.83*	2.67	5.32
3/5/2013	7991	3/5/2013	7991-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
3/5/2013	7991	3/5/2013	7991-dup	1,1-Dichloroethylene	1.68* J	1.61* J	0.07	4.26
3/5/2013	7991	3/5/2013	7991-dup	1,2-Dichloroethane	U	U	0	0.00
3/5/2013	7991	3/5/2013	7991-dup	Carbon Tetrachloride	355.72*	333.94*	21.78	6.32
3/5/2013	7991	3/5/2013	7991-dup	Chlorobenzene	U	U	0	0.00
3/5/2013	7991	3/5/2013	7991-dup	Chloroform	26.55*	26.55*	0	0.00
3/5/2013	7991	3/5/2013	7991-dup	Methylene Chloride	6.95* J	6.67* J	0.28	4.11
3/5/2013	7991	3/5/2013	7991-dup	Toluene	0.49* J	0.49* J	0	0.00
3/13/2013	8015	3/13/2013	8015-dup	1,1,1-Trichloroethane	33.57*	39.33*	-5.76	15.80
3/13/2013	8015	3/13/2013	8015-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
3/13/2013	8015	3/13/2013	8015-dup	1,1-Dichloroethylene	U	U	0	0.00
3/13/2013	8015	3/13/2013	8015-dup	1,2-Dichloroethane	U	U	0	0.00
3/13/2013	8015	3/13/2013	8015-dup	Carbon Tetrachloride	226.28*	266.57*	-40.29	16.35
3/13/2013	8015	3/13/2013	8015-dup	Chlorobenzene	U	U	0	0.00
3/13/2013	8015	3/13/2013	8015-dup	Chloroform	18.41*	20.36*	-1.95	10.06
3/13/2013	8015	3/13/2013	8015-dup	Methylene Chloride	4.40* J	4.95* J	-0.55	11.76
3/13/2013	8015	3/13/2013	8015-dup	Toluene	0.40* J	0.40* J	0	0.00
3/14/2013	8025	3/14/2013	8025-dup	1,1,1-Trichloroethane	373977	373583.34	393.66	0.11
3/14/2013	8025	3/14/2013	8025-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
3/14/2013	8025	3/14/2013	8025-dup	1,1-Dichloroethylene	U	U	0	0.00
3/14/2013	8025	3/14/2013	8025-dup	1,2-Dichloroethane	U	U	0	0.00
3/14/2013	8025	3/14/2013	8025-dup	Carbon Tetrachloride	1871065.98	1909251	-38185.02	2.02
3/14/2013	8025	3/14/2013	8025-dup	Chlorobenzene	U	U	0	0.00
3/14/2013	8025	3/14/2013	8025-dup	Chloroform	109043.82	109043.82	0	0.00
3/14/2013	8025	3/14/2013	8025-dup	Methylene Chloride	11809.8 J	11416.14 J	393.66	3.39
3/14/2013	8025	3/14/2013	8025-dup	Toluene	U	U	0	0.00
3/14/2013	8012	3/14/2013	8012-dup	1,1,1-Trichloroethane	2496.24	2443.68	52.56	2.13
3/14/2013	8012	3/14/2013	8012-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
3/14/2013	8012	3/14/2013	8012-dup	1,1-Dichloroethylene	23.04 J	18.72 J	4.32	20.69

Relative Percent Difference (RPD)

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ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
3/14/2013	8012	3/14/2013	8012-dup	1,2-Dichloroethane	5.76 J	5.04 J	0.72	13.33
3/14/2013	8012	3/14/2013	8012-dup	Carbon Tetrachloride	3356.64	3378.24	-21.6	0.64
3/14/2013	8012	3/14/2013	8012-dup	Chlorobenzene	U	U	0	0.00
3/14/2013	8012	3/14/2013	8012-dup	Chloroform	89.28	83.52	5.76	6.67
3/14/2013	8012	3/14/2013	8012-dup	Methylene Chloride	577.44	573.84	3.6	0.63
3/14/2013	8012	3/14/2013	8012-dup	Toluene	36.72 J	32.4 J	4.32	12.50
3/20/2013	8043	3/20/2013	8043-dup	1,1,1-Trichloroethane	27.86*	27.76*	0.1	0.36
3/20/2013	8043	3/20/2013	8043-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
3/20/2013	8043	3/20/2013	8043-dup	1,1-Dichloroethylene	U	U	0	0.00
3/20/2013	8043	3/20/2013	8043-dup	1,2-Dichloroethane	U	U	0	0.00
3/20/2013	8043	3/20/2013	8043-dup	Carbon Tetrachloride	123.35*	123.58*	-0.23	0.19
3/20/2013	8043	3/20/2013	8043-dup	Chlorobenzene	U	U	0	0.00
3/20/2013	8043	3/20/2013	8043-dup	Chloroform	6.08*	6.02*	0.06	0.99
3/20/2013	8043	3/20/2013	8043-dup	Methylene Chloride	2.59*	2.55*	0.04	1.56
3/20/2013	8043	3/20/2013	8043-dup	Toluene	0.38* J	0.36* J	0.02	5.41
3/22/2013	8040	3/22/2013	8040-dup	1,1,1-Trichloroethane	106200.72	113374.08	-7173.36	6.53
3/22/2013	8040	3/22/2013	8040-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
3/22/2013	8040	3/22/2013	8040-dup	1,1-Dichloroethylene	U	U	0	0.00
3/22/2013	8040	3/22/2013	8040-dup	1,2-Dichloroethane	U	U	0	0.00
3/22/2013	8040	3/22/2013	8040-dup	Carbon Tetrachloride	616734	649101.6	-32367.6	5.11
3/22/2013	8040	3/22/2013	8040-dup	Chlorobenzene	U	U	0	0.00
3/22/2013	8040	3/22/2013	8040-dup	Chloroform	45314.64	47589.12	-2274.48	4.90
3/22/2013	8040	3/22/2013	8040-dup	Methylene Chloride	20820.24	21520.08	-699.84	3.31
3/22/2013	8040	3/22/2013	8040-dup	Toluene	1924.56 J	2099.52 J	-174.96	8.70
3/26/2013	8053	3/26/2013	8053-dup	1,1,1-Trichloroethane	35.67*	37.94*	-2.27	6.17
3/26/2013	8053	3/26/2013	8053-dup	1,1,2,2-Tetrachloroethane	0.60* J	0.18* J	0.42	107.69
3/26/2013	8053	3/26/2013	8053-dup	1,1-Dichloroethylene	U	U	0	0.00
3/26/2013	8053	3/26/2013	8053-dup	1,2-Dichloroethane	U	U	0	0.00
3/26/2013	8053	3/26/2013	8053-dup	Carbon Tetrachloride	218.89*	238.92*	-20.03	8.75
3/26/2013	8053	3/26/2013	8053-dup	Chlorobenzene	U	U	0	0.00
3/26/2013	8053	3/26/2013	8053-dup	Chloroform	21.73*	22.67*	-0.94	4.23
3/26/2013	8053	3/26/2013	8053-dup	Methylene Chloride	6.00*	6.38*	-0.38	6.14
3/26/2013	8053	3/26/2013	8053-dup	Toluene	1.09* J	1.09* J	0	0.00
3/26/2013	8061	3/26/2013	8061-dup	1,1,1-Trichloroethane	188169.48	188169.48	0	0.00
3/26/2013	8061	3/26/2013	8061-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00

Relative Percent Difference (RPD)

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
3/26/2013	8061	3/26/2013	8061-dup	1,1-Dichloroethylene	U	U	0	0.00
3/26/2013	8061	3/26/2013	8061-dup	1,2-Dichloroethane	U	U	0	0.00
3/26/2013	8061	3/26/2013	8061-dup	Carbon Tetrachloride	690282.81	692644.77	-2361.96	0.34
3/26/2013	8061	3/26/2013	8061-dup	Chlorobenzene	U	U	0	0.00
3/26/2013	8061	3/26/2013	8061-dup	Chloroform	45861.39	45664.56	196.83	0.43
3/26/2013	8061	3/26/2013	8061-dup	Methylene Chloride	6692.22 J	6495.39 J	196.83	2.99
3/26/2013	8061	3/26/2013	8061-dup	Toluene	1574.64 J	1574.64 J	0	0.00
4/2/2013	8065	4/2/2013	8065-dup	1,1,1-Trichloroethane	43.72*	44.66*	-0.94	2.13
4/2/2013	8065	4/2/2013	8065-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
4/2/2013	8065	4/2/2013	8065-dup	1,1-Dichloroethylene	U	U	0	0.00
4/2/2013	8065	4/2/2013	8065-dup	1,2-Dichloroethane	U	U	0	0.00
4/2/2013	8065	4/2/2013	8065-dup	Carbon Tetrachloride	263.22*	275.13*	-11.91	4.42
4/2/2013	8065	4/2/2013	8065-dup	Chlorobenzene	U	U	0	0.00
4/2/2013	8065	4/2/2013	8065-dup	Chloroform	18.30*	18.92*	-0.62	3.33
4/2/2013	8065	4/2/2013	8065-dup	Methylene Chloride	5.25*	5.41*	-0.16	3.00
4/2/2013	8065	4/2/2013	8065-dup	Toluene	0.61* J	0.61* J	0	0.00
4/3/2013	8070	4/3/2013	8070-dup	1,1,1-Trichloroethane	1085.4	1193.94	-108.54	9.52
4/3/2013	8070	4/3/2013	8070-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
4/3/2013	8070	4/3/2013	8070-dup	1,1-Dichloroethylene	U	U	0	0.00
4/3/2013	8070	4/3/2013	8070-dup	1,2-Dichloroethane	U	U	0	0.00
4/3/2013	8070	4/3/2013	8070-dup	Carbon Tetrachloride	3123.36	3389.85	-266.49	8.18
4/3/2013	8070	4/3/2013	8070-dup	Chlorobenzene	U	U	0	0.00
4/3/2013	8070	4/3/2013	8070-dup	Chloroform	151.47	164.43	-12.96	8.21
4/3/2013	8070	4/3/2013	8070-dup	Methylene Chloride	62.37 J	66.42 J	-4.05	6.29
4/3/2013	8070	4/3/2013	8070-dup	Toluene	17.01 J	17.82 J	-0.81	4.65
4/11/2013	8073	4/11/2013	8073-dup	1,1,1-Trichloroethane	36.38*	37.25*	-0.87	2.36
4/11/2013	8073	4/11/2013	8073-dup	1,1,2,2-Tetrachloroethane	0.28* J	U	0.28	200.00
4/11/2013	8073	4/11/2013	8073-dup	1,1-Dichloroethylene	U	U	0	0.00
4/11/2013	8073	4/11/2013	8073-dup	1,2-Dichloroethane	U	U	0	0.00
4/11/2013	8073	4/11/2013	8073-dup	Carbon Tetrachloride	181.11*	182.51*	-1.4	0.77
4/11/2013	8073	4/11/2013	8073-dup	Chlorobenzene	U	U	0	0.00
4/11/2013	8073	4/11/2013	8073-dup	Chloroform	15.13*	15.66*	-0.53	3.44
4/11/2013	8073	4/11/2013	8073-dup	Methylene Chloride	4.93*	5.05*	-0.12	2.40
4/11/2013	8073	4/11/2013	8073-dup	Toluene	1.02* J	1.02* J	0	0.00
4/12/2013	8082	4/12/2013	8082-dup	1,1,1-Trichloroethane	206868.33	197617.32	9251.01	4.57

Relative Percent Difference (RPD)

RPD =  $\text{ABS} (A - B) / [(A + B) / 2] \times 100$ 

ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
4/12/2013	8082	4/12/2013	8082-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
4/12/2013	8082	4/12/2013	8082-dup	1,1-Dichloroethylene	U	U	0	0.00
4/12/2013	8082	4/12/2013	8082-dup	1,2-Dichloroethane	U	U	0	0.00
4/12/2013	8082	4/12/2013	8082-dup	Carbon Tetrachloride	758779.65	732601.26	26178.39	3.51
4/12/2013	8082	4/12/2013	8082-dup	Chlorobenzene	U	U	0	0.00
4/12/2013	8082	4/12/2013	8082-dup	Chloroform	49010.67	47436.03	1574.64	3.27
4/12/2013	8082	4/12/2013	8082-dup	Methylene Chloride	7282.71 J	6889.05 J	393.66	5.56
4/12/2013	8082	4/12/2013	8082-dup	Toluene	1968.3 J	1771.47 J	196.83	10.53
4/12/2013	8098	4/12/2013	8098-dup	1,1,1-Trichloroethane	2120.04	2258.82	-138.78	6.34
4/12/2013	8098	4/12/2013	8098-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
4/12/2013	8098	4/12/2013	8098-dup	1,1-Dichloroethylene	24.3 J	25.92 J	-1.62	6.45
4/12/2013	8098	4/12/2013	8098-dup	1,2-Dichloroethane	U	U	0	0.00
4/12/2013	8098	4/12/2013	8098-dup	Carbon Tetrachloride	2631.96	2876.58	-244.62	8.88
4/12/2013	8098	4/12/2013	8098-dup	Chlorobenzene	U	U	0	0.00
4/12/2013	8098	4/12/2013	8098-dup	Chloroform	86.4	89.1	-2.7	3.08
4/12/2013	8098	4/12/2013	8098-dup	Methylene Chloride	540.54	581.04	-40.5	7.22
4/12/2013	8098	4/12/2013	8098-dup	Toluene	58.32	59.4	-1.08	1.83
4/17/2013	8117	4/17/2013	8117-dup	1,1,1-Trichloroethane	41.70*	43.30*	-1.6	3.76
4/17/2013	8117	4/17/2013	8117-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
4/17/2013	8117	4/17/2013	8117-dup	1,1-Dichloroethylene	U	U	0	0.00
4/17/2013	8117	4/17/2013	8117-dup	1,2-Dichloroethane	U	U	0	0.00
4/17/2013	8117	4/17/2013	8117-dup	Carbon Tetrachloride	176.73*	184.42*	-7.69	4.26
4/17/2013	8117	4/17/2013	8117-dup	Chlorobenzene	U	U	0	0.00
4/17/2013	8117	4/17/2013	8117-dup	Chloroform	11.59*	12.03*	-0.44	3.73
4/17/2013	8117	4/17/2013	8117-dup	Methylene Chloride	5.33* J	5.44* J	-0.11	2.04
4/17/2013	8117	4/17/2013	8117-dup	Toluene	1.04* J	1.09* J	-0.05	4.69
4/17/2013	8114	4/17/2013	8114-dup	1,1,1-Trichloroethane	130563.9	120066.3	10497.6	8.38
4/17/2013	8114	4/17/2013	8114-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
4/17/2013	8114	4/17/2013	8114-dup	1,1-Dichloroethylene	U	U	0	0.00
4/17/2013	8114	4/17/2013	8114-dup	1,2-Dichloroethane	U	U	0	0.00
4/17/2013	8114	4/17/2013	8114-dup	Carbon Tetrachloride	737981.28	695466	42515.28	5.93
4/17/2013	8114	4/17/2013	8114-dup	Chlorobenzene	U	U	0	0.00
4/17/2013	8114	4/17/2013	8114-dup	Chloroform	49863.6	46583.1	3280.5	6.80
4/17/2013	8114	4/17/2013	8114-dup	Methylene Chloride	21388.86	20601.54	787.32	3.75
4/17/2013	8114	4/17/2013	8114-dup	Toluene	1968.3 J	1705.86 J	262.44	14.29

Relative Percent Difference (RPD)

RPD =  $\text{ABS}(A - B) / [(A + B) / 2] \times 100$ 

ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
4/24/2013	8125	4/24/2013	8125-dup	1,1,1-Trichloroethane	37.39*	38.23*	-0.84	2.22
4/24/2013	8125	4/24/2013	8125-dup	1,1,2,2-Tetrachloroethane	0.29* J	0.29* J	0	0.00
4/24/2013	8125	4/24/2013	8125-dup	1,1-Dichloroethylene	U	U	0	0.00
4/24/2013	8125	4/24/2013	8125-dup	1,2-Dichloroethane	U	U	0	0.00
4/24/2013	8125	4/24/2013	8125-dup	Carbon Tetrachloride	240.54*	252.44*	-11.9	4.83
4/24/2013	8125	4/24/2013	8125-dup	Chlorobenzene	U	U	0	0.00
4/24/2013	8125	4/24/2013	8125-dup	Chloroform	22.37*	22.43*	-0.06	0.27
4/24/2013	8125	4/24/2013	8125-dup	Methylene Chloride	5.86* J	6.16*	-0.3	4.99
4/24/2013	8125	4/24/2013	8125-dup	Toluene	0.83* J	0.71* J	0.12	15.58
4/24/2013	8134	4/24/2013	8134-dup	1,1,1-Trichloroethane	201160.26	199979.28	1180.98	0.59
4/24/2013	8134	4/24/2013	8134-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
4/24/2013	8134	4/24/2013	8134-dup	1,1-Dichloroethylene	U	U	0	0.00
4/24/2013	8134	4/24/2013	8134-dup	1,2-Dichloroethane	U	U	0	0.00
4/24/2013	8134	4/24/2013	8134-dup	Carbon Tetrachloride	740474.46	746182.53	-5708.07	0.77
4/24/2013	8134	4/24/2013	8134-dup	Chlorobenzene	U	U	0	0.00
4/24/2013	8134	4/24/2013	8134-dup	Chloroform	49797.99	49601.16	196.83	0.40
4/24/2013	8134	4/24/2013	8134-dup	Methylene Chloride	7282.71 J	6889.05 J	393.66	5.56
4/24/2013	8134	4/24/2013	8134-dup	Toluene	1771.47 J	1771.47 J	0	0.00
4/29/2013	8137	4/29/2013	8137-dup	1,1,1-Trichloroethane	37.30*	36.31*	0.99	2.69
4/29/2013	8137	4/29/2013	8137-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
4/29/2013	8137	4/29/2013	8137-dup	1,1-Dichloroethylene	U	U	0	0.00
4/29/2013	8137	4/29/2013	8137-dup	1,2-Dichloroethane	U	U	0	0.00
4/29/2013	8137	4/29/2013	8137-dup	Carbon Tetrachloride	256.49*	250.20*	6.29	2.48
4/29/2013	8137	4/29/2013	8137-dup	Chlorobenzene	U	U	0	0.00
4/29/2013	8137	4/29/2013	8137-dup	Chloroform	26.19*	25.75*	0.44	1.69
4/29/2013	8137	4/29/2013	8137-dup	Methylene Chloride	6.04*	5.75*	0.29	4.92
4/29/2013	8137	4/29/2013	8137-dup	Toluene	0.98* J	0.93* J	0.05	5.24
5/8/2013	8149	5/8/2013	8149-dup	1,1,1-Trichloroethane	56.27*	56.56*	-0.29	0.51
5/8/2013	8149	5/8/2013	8149-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
5/8/2013	8149	5/8/2013	8149-dup	1,1-Dichloroethylene	U	U	0	0.00
5/8/2013	8149	5/8/2013	8149-dup	1,2-Dichloroethane	U	U	0	0.00
5/8/2013	8149	5/8/2013	8149-dup	Carbon Tetrachloride	404.17*	403.69*	0.48	0.12
5/8/2013	8149	5/8/2013	8149-dup	Chlorobenzene	U	U	0	0.00
5/8/2013	8149	5/8/2013	8149-dup	Chloroform	37.61*	38.28*	-0.67	1.77
5/8/2013	8149	5/8/2013	8149-dup	Methylene Chloride	9.57*	9.57*	0	0.00

Relative Percent Difference (RPD)

RPD =  $\text{ABS} (A - B) / [(A + B) / 2] \times 100$ 

ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
5/8/2013	8149	5/8/2013	8149-dup	Toluene	1.43* J	1.33* J	0.1	7.25
5/8/2013	8156	5/8/2013	8156-dup	1,1,1-Trichloroethane	183051.9	200569.77	-17517.87	9.13
5/8/2013	8156	5/8/2013	8156-dup	1,1,2,2-Tetrachloroethane	787.32 J	U	787.32	200.00
5/8/2013	8156	5/8/2013	8156-dup	1,1-Dichloroethylene	U	U	0	0.00
5/8/2013	8156	5/8/2013	8156-dup	1,2-Dichloroethane	U	U	0	0.00
5/8/2013	8156	5/8/2013	8156-dup	Carbon Tetrachloride	677488.86	746773.02	-69284.16	9.73
5/8/2013	8156	5/8/2013	8156-dup	Chlorobenzene	U	U	0	0.00
5/8/2013	8156	5/8/2013	8156-dup	Chloroform	44286.75	48617.01	-4330.26	9.32
5/8/2013	8156	5/8/2013	8156-dup	Methylene Chloride	6889.05 J	6889.05 J	0	0.00
5/8/2013	8156	5/8/2013	8156-dup	Toluene	1771.47 J	1771.47 J	0	0.00
5/20/2013	8175	5/20/2013	8175-dup	1,1,1-Trichloroethane	59.07*	57.65*	1.42	2.43
5/20/2013	8175	5/20/2013	8175-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
5/20/2013	8175	5/20/2013	8175-dup	1,1-Dichloroethylene	U	U	0	0.00
5/20/2013	8175	5/20/2013	8175-dup	1,2-Dichloroethane	U	U	0	0.00
5/20/2013	8175	5/20/2013	8175-dup	Carbon Tetrachloride	423.31*	417.99*	5.32	1.26
5/20/2013	8175	5/20/2013	8175-dup	Chlorobenzene	U	U	0	0.00
5/20/2013	8175	5/20/2013	8175-dup	Chloroform	40.65*	39.51*	1.14	2.84
5/20/2013	8175	5/20/2013	8175-dup	Methylene Chloride	9.40* J	9.68*	-0.28	2.94
5/20/2013	8175	5/20/2013	8175-dup	Toluene	1.23* J	1.23* J	0	0.00
5/21/2013	8173	5/21/2013	8173-dup	1,1,1-Trichloroethane	144342	145566.72	-1224.72	0.84
5/21/2013	8173	5/21/2013	8173-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
5/21/2013	8173	5/21/2013	8173-dup	1,1-Dichloroethylene	U	U	0	0.00
5/21/2013	8173	5/21/2013	8173-dup	1,2-Dichloroethane	U	U	0	0.00
5/21/2013	8173	5/21/2013	8173-dup	Carbon Tetrachloride	856429.2	861678	-5248.8	0.61
5/21/2013	8173	5/21/2013	8173-dup	Chlorobenzene	U	U	0	0.00
5/21/2013	8173	5/21/2013	8173-dup	Chloroform	55287.36	56687.04	-1399.68	2.50
5/21/2013	8173	5/21/2013	8173-dup	Methylene Chloride	24144.48	23794.56	349.92	1.46
5/21/2013	8173	5/21/2013	8173-dup	Toluene	1924.56 J	1924.56 J	0	0.00
5/28/2013	8199	5/28/2013	8199-dup	1,1,1-Trichloroethane	9.84*	9.89*	-0.05	0.51
5/28/2013	8199	5/28/2013	8199-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
5/28/2013	8199	5/28/2013	8199-dup	1,1-Dichloroethylene	U	U	0	0.00
5/28/2013	8199	5/28/2013	8199-dup	1,2-Dichloroethane	U	U	0	0.00
5/28/2013	8199	5/28/2013	8199-dup	Carbon Tetrachloride	79.46*	79.34*	0.12	0.15
5/28/2013	8199	5/28/2013	8199-dup	Chlorobenzene	U	U	0	0.00
5/28/2013	8199	5/28/2013	8199-dup	Chloroform	8.61*	8.52*	0.09	1.05

Relative Percent Difference (RPD)

$$RPD = \frac{ABS(A - B)}{[(A + B) / 2]} \times 100$$

ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
5/28/2013	8199	5/28/2013	8199-dup	Methylene Chloride	1.68* J	1.80* J	-0.12	6.90
5/28/2013	8199	5/28/2013	8199-dup	Toluene	0.53* J	0.54* J	-0.01	1.87
5/29/2013	8197	5/29/2013	8197-dup	1,1,1-Trichloroethane	3757.32	3818.88	-61.56	1.63
5/29/2013	8197	5/29/2013	8197-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
5/29/2013	8197	5/29/2013	8197-dup	1,1-Dichloroethylene	34.56 J	36.72 J	-2.16	6.06
5/29/2013	8197	5/29/2013	8197-dup	1,2-Dichloroethane	U	U	0	0.00
5/29/2013	8197	5/29/2013	8197-dup	Carbon Tetrachloride	4988.52	4962.6	25.92	0.52
5/29/2013	8197	5/29/2013	8197-dup	Chlorobenzene	U	U	0	0.00
5/29/2013	8197	5/29/2013	8197-dup	Chloroform	150.12	155.52	-5.4	3.53
5/29/2013	8197	5/29/2013	8197-dup	Methylene Chloride	908.28	902.88	5.4	0.60
5/29/2013	8197	5/29/2013	8197-dup	Toluene	85.32 J	88.56 J	-3.24	3.73
6/3/2013	8211	6/3/2013	8211-dup	1,1,1-Trichloroethane	6.16*	6.16*	0	0.00
6/3/2013	8211	6/3/2013	8211-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
6/3/2013	8211	6/3/2013	8211-dup	1,1-Dichloroethylene	U	U	0	0.00
6/3/2013	8211	6/3/2013	8211-dup	1,2-Dichloroethane	U	U	0	0.00
6/3/2013	8211	6/3/2013	8211-dup	Carbon Tetrachloride	37.34*	37.44*	-0.1	0.27
6/3/2013	8211	6/3/2013	8211-dup	Chlorobenzene	U	U	0	0.00
6/3/2013	8211	6/3/2013	8211-dup	Chloroform	3.15*	3.12*	0.03	0.96
6/3/2013	8211	6/3/2013	8211-dup	Methylene Chloride	0.98* J	0.95* J	0.03	3.11
6/3/2013	8211	6/3/2013	8211-dup	Toluene	0.29* J	0.29* J	0	0.00
6/5/2013	8221	6/5/2013	8221-dup	1,1,1-Trichloroethane	24.85*	24.03*	0.82	3.36
6/5/2013	8221	6/5/2013	8221-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
6/5/2013	8221	6/5/2013	8221-dup	1,1-Dichloroethylene	U	U	0	0.00
6/5/2013	8221	6/5/2013	8221-dup	1,2-Dichloroethane	U	U	0	0.00
6/5/2013	8221	6/5/2013	8221-dup	Carbon Tetrachloride	171.56*	168.23*	3.33	1.96
6/5/2013	8221	6/5/2013	8221-dup	Chlorobenzene	U	U	0	0.00
6/5/2013	8221	6/5/2013	8221-dup	Chloroform	13.87*	13.87*	0	0.00
6/5/2013	8221	6/5/2013	8221-dup	Methylene Chloride	3.77*	3.68*	0.09	2.42
6/5/2013	8221	6/5/2013	8221-dup	Toluene	0.74* J	0.71* J	0.03	4.14
6/5/2013	8228	6/5/2013	8228-dup	1,1,1-Trichloroethane	158644.98	158513.76	131.22	0.08
6/5/2013	8228	6/5/2013	8228-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
6/5/2013	8228	6/5/2013	8228-dup	1,1-Dichloroethylene	U	U	0	0.00
6/5/2013	8228	6/5/2013	8228-dup	1,2-Dichloroethane	U	U	0	0.00
6/5/2013	8228	6/5/2013	8228-dup	Carbon Tetrachloride	602299.8	613847.16	-11547.36	1.90
6/5/2013	8228	6/5/2013	8228-dup	Chlorobenzene	U	U	0	0.00

Relative Percent Difference (RPD)

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ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
6/5/2013	8228	6/5/2013	8228-dup	Chloroform	38316.24	38578.68	-262.44	0.68
6/5/2013	8228	6/5/2013	8228-dup	Methylene Chloride	5642.46 J	5511.24 J	131.22	2.35
6/5/2013	8228	6/5/2013	8228-dup	Toluene	1312.2 J	1180.98 J	131.22	10.53
6/12/2013	8231	6/12/2013	8231-dup	1,1,1-Trichloroethane	103.14*	101.73*	1.41	1.38
6/12/2013	8231	6/12/2013	8231-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
6/12/2013	8231	6/12/2013	8231-dup	1,1-Dichloroethylene	1.62* J	1.62* J	0	0.00
6/12/2013	8231	6/12/2013	8231-dup	1,2-Dichloroethane	U	U	0	0.00
6/12/2013	8231	6/12/2013	8231-dup	Carbon Tetrachloride	696.71*	690.83*	5.88	0.85
6/12/2013	8231	6/12/2013	8231-dup	Chlorobenzene	U	U	0	0.00
6/12/2013	8231	6/12/2013	8231-dup	Chloroform	68.90*	67.07*	1.83	2.69
6/12/2013	8231	6/12/2013	8231-dup	Methylene Chloride	16.82* J	16.82* J	0	0.00
6/12/2013	8231	6/12/2013	8231-dup	Toluene	2.63* J	2.63* J	0	0.00
6/13/2013	8242	6/13/2013	8242-dup	1,1,1-Trichloroethane	265.14	254.475	10.66	4.10
6/13/2013	8242	6/13/2013	8242-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
6/13/2013	8242	6/13/2013	8242-dup	1,1-Dichloroethylene	1.62 J	1.62 J	0	0.00
6/13/2013	8242	6/13/2013	8242-dup	1,2-Dichloroethane	U	U	0	0.00
6/13/2013	8242	6/13/2013	8242-dup	Carbon Tetrachloride	618.84	596.97	21.87	3.60
6/13/2013	8242	6/13/2013	8242-dup	Chlorobenzene	U	U	0	0.00
6/13/2013	8242	6/13/2013	8242-dup	Chloroform	46.305	45.9	0.40	0.87
6/13/2013	8242	6/13/2013	8242-dup	Methylene Chloride	125.955	126.765	-0.81	0.64
6/13/2013	8242	6/13/2013	8242-dup	Toluene	17.145	16.2	0.94	5.64
6/14/2013	8257	6/14/2013	8257-dup	1,1,1-Trichloroethane	40532.4	39191.04	1341.36	3.37
6/14/2013	8257	6/14/2013	8257-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
6/14/2013	8257	6/14/2013	8257-dup	1,1-Dichloroethylene	U	U	0	0.00
6/14/2013	8257	6/14/2013	8257-dup	1,2-Dichloroethane	U	U	0	0.00
6/14/2013	8257	6/14/2013	8257-dup	Carbon Tetrachloride	231705.36	229372.56	2332.8	1.01
6/14/2013	8257	6/14/2013	8257-dup	Chlorobenzene	U	U	0	0.00
6/14/2013	8257	6/14/2013	8257-dup	Chloroform	16096.32	15746.4	349.92	2.20
6/14/2013	8257	6/14/2013	8257-dup	Methylene Chloride	7348.32	7173.36	174.96	2.41
6/14/2013	8257	6/14/2013	8257-dup	Toluene	874.8 J	816.48 J	58.32	6.90
6/21/2013	8273	6/21/2013	8273-dup	1,1,1-Trichloroethane	93.67*	91.64*	2.03	2.19
6/21/2013	8273	6/21/2013	8273-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
6/21/2013	8273	6/21/2013	8273-dup	1,1-Dichloroethylene	0.52* J	U	0.52	200.00
6/21/2013	8273	6/21/2013	8273-dup	1,2-Dichloroethane	U	U	0	0.00
6/21/2013	8273	6/21/2013	8273-dup	Carbon Tetrachloride	433.59*	429.27*	4.32	1.00

Relative Percent Difference (RPD)

RPD =  $\text{ABS} (A - B) / [(A + B) / 2] \times 100$ 

ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
6/21/2013	8273	6/21/2013	8273-dup	Chlorobenzene	U	U	0	0.00
6/21/2013	8273	6/21/2013	8273-dup	Chloroform	33.01*	32.16*	0.85	2.61
6/21/2013	8273	6/21/2013	8273-dup	Methylene Chloride	12.05*	11.85*	0.2	1.67
6/21/2013	8273	6/21/2013	8273-dup	Toluene	1.96* J	1.70* J	0.26	14.21
6/22/2013	8271	6/22/2013	8271-dup	1,1,1-Trichloroethane	5248.8	5067.36	181.44	3.52
6/22/2013	8271	6/22/2013	8271-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
6/22/2013	8271	6/22/2013	8271-dup	1,1-Dichloroethylene	50.22 J	45.36 J	4.86	10.17
6/22/2013	8271	6/22/2013	8271-dup	1,2-Dichloroethane	14.58 J	14.58 J	0	0.00
6/22/2013	8271	6/22/2013	8271-dup	Carbon Tetrachloride	7541.1	7262.46	278.64	3.76
6/22/2013	8271	6/22/2013	8271-dup	Chlorobenzene	U	U	0	0.00
6/22/2013	8271	6/22/2013	8271-dup	Chloroform	252.72	241.38	11.34	4.59
6/22/2013	8271	6/22/2013	8271-dup	Methylene Chloride	1317.06	1255.5	61.56	4.79
6/22/2013	8271	6/22/2013	8271-dup	Toluene	110.16 J	102.06 J	8.1	7.63
7/10/2013	8285	7/10/2013	8285-dup	1,1,1-Trichloroethane	111.10*	103.51*	7.59	7.07
7/10/2013	8285	7/10/2013	8285-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
7/10/2013	8285	7/10/2013	8285-dup	1,1-Dichloroethylene	U	U	0	0.00
7/10/2013	8285	7/10/2013	8285-dup	1,2-Dichloroethane	U	U	0	0.00
7/10/2013	8285	7/10/2013	8285-dup	Carbon Tetrachloride	760.10*	714.56*	45.54	6.18
7/10/2013	8285	7/10/2013	8285-dup	Chlorobenzene	U	U	0	0.00
7/10/2013	8285	7/10/2013	8285-dup	Chloroform	62.12*	59.29*	2.83	4.66
7/10/2013	8285	7/10/2013	8285-dup	Methylene Chloride	12.85*	12.04*	0.81	6.51
7/10/2013	8285	7/10/2013	8285-dup	Toluene	1.92* J	1.61* J	0.31	17.56
7/12/2013	8295	7/12/2013	8295-dup	1,1,1-Trichloroethane	66.86*	65.62*	1.24	1.87
7/12/2013	8295	7/12/2013	8295-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
7/12/2013	8295	7/12/2013	8295-dup	1,1-Dichloroethylene	U	U	0	0.00
7/12/2013	8295	7/12/2013	8295-dup	1,2-Dichloroethane	U	U	0	0.00
7/12/2013	8295	7/12/2013	8295-dup	Carbon Tetrachloride	437.22*	434.94*	2.28	0.52
7/12/2013	8295	7/12/2013	8295-dup	Chlorobenzene	U	U	0	0.00
7/12/2013	8295	7/12/2013	8295-dup	Chloroform	31.86*	31.48*	0.38	1.20
7/12/2013	8295	7/12/2013	8295-dup	Methylene Chloride	9.70*	9.70*	0	0.00
7/12/2013	8295	7/12/2013	8295-dup	Toluene	1.61* J	1.33* J	0.28	19.05
7/13/2013	8306	7/13/2013	8306-dup	1,1,1-Trichloroethane	115.11	116.46	-1.35	1.17
7/13/2013	8306	7/13/2013	8306-dup	1,1,2,2-Tetrachloroethane	U	U	0	0.00
7/13/2013	8306	7/13/2013	8306-dup	1,1-Dichloroethylene	1.17 J	0.99 J	0.18	16.67
7/13/2013	8306	7/13/2013	8306-dup	1,2-Dichloroethane	U	U	0	0.00

Relative Percent Difference (RPD)

$$RPD = \text{ABS} (A - B) / [(A + B) / 2] \times 100$$

ABS = Absolute value of a number

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## Attachment 6A – VOCs – Precision of Laboratory Sample Duplicates

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
7/13/2013	8306	7/13/2013	8306-dup	Carbon Tetrachloride	634.5	650.61	-16.11	2.51
7/13/2013	8306	7/13/2013	8306-dup	Chlorobenzene	U	U	0	0.00
7/13/2013	8306	7/13/2013	8306-dup	Chloroform	39.15	38.97	0.18	0.46
7/13/2013	8306	7/13/2013	8306-dup	Methylene Chloride	8.82 J	8.46 J	0.36	4.17
7/13/2013	8306	7/13/2013	8306-dup	Toluene	0.9 J	0.81 J	0.09	10.53

**Notes:**

Descriptions for qualifiers (i.e. U, and J) are presented in section 1.2 of this report.

ppbv = parts per billion by volume.

\* Normalized target VOC concentration.

† Technical acceptance criterion for duplicate analysis of a sample is  $\leq 25$  RPD, which is only applicable if one or both values are not flagged "U" or "J."

Relative Percent Difference (RPD)

RPD =  $\text{ABS}(A - B) / [(A + B) / 2] \times 100$

ABS = Absolute value of a number

**Semi-Annual VOC, Hydrogen, and Methane Data Summary Report for  
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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
1/10/13	1/10/13	1,1,1-Trichloroethane	90.76	91.43	-0.67	0.74
1/10/13	1/10/13	1,1,2,2-Tetrachloroethane	82.26	83.13	-0.87	1.05
1/10/13	1/10/13	1,1-Dichloroethylene	91.54	92.10	-0.56	0.61
1/10/13	1/10/13	1,2-Dichloroethane	86.78	89.79	-3.01	3.41
1/10/13	1/10/13	Carbon Tetrachloride	92.41	92.94	-0.53	0.57
1/10/13	1/10/13	Chlorobenzene	94.15	94.46	-0.31	0.33
1/10/13	1/10/13	Chloroform	88.45	90.58	-2.13	2.38
1/10/13	1/10/13	Methylene Chloride	82.40	83.51	-1.11	1.34
1/10/13	1/10/13	Toluene	96.52	95.26	1.26	1.31
1/17/13	1/17/13	1,1,1-Trichloroethane	89.92	91.31	-1.39	1.53
1/17/13	1/17/13	1,1,1-Trichloroethane	91.57	90.38	1.19	1.31
1/17/13	1/17/13	1,1,2,2-Tetrachloroethane	80.10	83.55	-3.45	4.22
1/17/13	1/17/13	1,1,2,2-Tetrachloroethane	85.77	83.40	2.37	2.80
1/17/13	1/17/13	1,1-Dichloroethylene	97.34	98.86	-1.52	1.55
1/17/13	1/17/13	1,1-Dichloroethylene	92.74	91.27	1.47	1.60
1/17/13	1/17/13	1,2-Dichloroethane	90.51	89.43	1.08	1.20
1/17/13	1/17/13	1,2-Dichloroethane	92.05	88.50	3.55	3.93
1/17/13	1/17/13	Carbon Tetrachloride	89.35	90.83	-1.48	1.64
1/17/13	1/17/13	Carbon Tetrachloride	93.39	92.19	1.20	1.29
1/17/13	1/17/13	Chlorobenzene	100.06	96.45	3.61	3.67
1/17/13	1/17/13	Chlorobenzene	92.66	93.15	-0.49	0.53
1/17/13	1/17/13	Chloroform	91.24	88.74	2.50	2.78
1/17/13	1/17/13	Chloroform	91.06	93.00	-1.94	2.11
1/17/13	1/17/13	Methylene Chloride	90.02	84.09	5.93	6.81
1/17/13	1/17/13	Methylene Chloride	90.74	91.38	-0.64	0.70
1/17/13	1/17/13	Toluene	103.50	100.04	3.46	3.40
1/17/13	1/17/13	Toluene	95.01	96.60	-1.59	1.66
1/23/13	1/23/13	1,1,1-Trichloroethane	87.69	86.72	0.97	1.11
1/23/13	1/23/13	1,1,1-Trichloroethane	88.21	92.25	-4.04	4.48
1/23/13	1/23/13	1,1,2,2-Tetrachloroethane	77.43	74.25	3.18	4.19
1/23/13	1/23/13	1,1,2,2-Tetrachloroethane	84.50	77.20	7.30	9.03
1/23/13	1/23/13	1,1-Dichloroethylene	88.07	89.38	-1.31	1.48
1/23/13	1/23/13	1,1-Dichloroethylene	90.73	92.32	-1.59	1.74
1/23/13	1/23/13	1,2-Dichloroethane	87.08	85.24	1.84	2.14
1/23/13	1/23/13	1,2-Dichloroethane	84.85	84.83	0.02	0.02
1/23/13	1/23/13	Carbon Tetrachloride	89.86	89.61	0.25	0.28
1/23/13	1/23/13	Carbon Tetrachloride	90.39	88.13	2.26	2.53

Relative Percent Difference (RPD)

$$RPD = \frac{ABS(A - B)}{[(A + B) / 2]} \times 100$$

ABS = Absolute value of a number

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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
1/23/13	1/23/13	Chlorobenzene	96.47	91.45	5.02	5.34
1/23/13	1/23/13	Chlorobenzene	92.53	88.75	3.78	4.17
1/23/13	1/23/13	Chloroform	87.66	86.42	1.24	1.42
1/23/13	1/23/13	Chloroform	88.99	87.14	1.85	2.10
1/23/13	1/23/13	Methylene Chloride	82.28	81.70	0.58	0.71
1/23/13	1/23/13	Methylene Chloride	87.19	85.50	1.69	1.96
1/23/13	1/23/13	Toluene	98.51	94.03	4.48	4.65
1/23/13	1/23/13	Toluene	96.10	90.86	5.24	5.61
2/1/13	2/1/13	1,1,1-Trichloroethane	98.08	99.02	-0.94	0.95
2/1/13	2/1/13	1,1,1-Trichloroethane	108.92	105.15	3.77	3.52
2/1/13	2/1/13	1,1,2,2-Tetrachloroethane	96.86	100.78	-3.92	3.97
2/1/13	2/1/13	1,1,2,2-Tetrachloroethane	103.59	104.15	-0.56	0.54
2/1/13	2/1/13	1,1-Dichloroethylene	104.79	102.33	2.46	2.38
2/1/13	2/1/13	1,1-Dichloroethylene	93.93	96.49	-2.56	2.69
2/1/13	2/1/13	1,2-Dichloroethane	107.22	103.39	3.83	3.64
2/1/13	2/1/13	1,2-Dichloroethane	96.48	97.63	-1.15	1.18
2/1/13	2/1/13	Carbon Tetrachloride	106.46	101.52	4.94	4.75
2/1/13	2/1/13	Carbon Tetrachloride	97.85	97.11	0.74	0.76
2/1/13	2/1/13	Chlorobenzene	96.76	101.16	-4.40	4.45
2/1/13	2/1/13	Chlorobenzene	104.59	105.17	-0.58	0.55
2/1/13	2/1/13	Chloroform	109.69	107.05	2.64	2.44
2/1/13	2/1/13	Chloroform	98.94	100.54	-1.60	1.60
2/1/13	2/1/13	Methylene Chloride	92.82	96.20	-3.38	3.58
2/1/13	2/1/13	Methylene Chloride	104.91	103.27	1.64	1.58
2/1/13	2/1/13	Toluene	96.95	103.17	-6.22	6.22
2/1/13	2/1/13	Toluene	106.39	108.37	-1.98	1.84
2/8/13	2/8/13	1,1,1-Trichloroethane	101.82	100.98	0.84	0.83
2/8/13	2/8/13	1,1,2,2-Tetrachloroethane	99.03	99.92	-0.89	0.89
2/8/13	2/8/13	1,1-Dichloroethylene	99.15	99.48	-0.33	0.33
2/8/13	2/8/13	1,2-Dichloroethane	101.41	100.88	0.53	0.52
2/8/13	2/8/13	Carbon Tetrachloride	101.04	98.50	2.54	2.55
2/8/13	2/8/13	Chlorobenzene	98.66	99.28	-0.62	0.63
2/8/13	2/8/13	Chloroform	102.66	102.80	-0.14	0.14
2/8/13	2/8/13	Methylene Chloride	97.55	99.24	-1.69	1.72
2/8/13	2/8/13	Toluene	99.44	101.46	-2.02	2.01
2/15/13	2/15/13	1,1,1-Trichloroethane	104.57	100.80	3.77	3.67
2/15/13	2/15/13	1,1,2,2-Tetrachloroethane	103.08	100.06	3.02	2.97

Relative Percent Difference (RPD)

RPD =  $\text{ABS} (A - B) / [(A + B) / 2] \times 100$     ABS = Absolute value of a number

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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
2/15/13	2/15/13	1,1-Dichloroethylene	100.35	98.20	2.15	2.17
2/15/13	2/15/13	1,2-Dichloroethane	103.64	101.17	2.47	2.41
2/15/13	2/15/13	Carbon Tetrachloride	103.72	98.35	5.37	5.31
2/15/13	2/15/13	Chlorobenzene	100.83	98.43	2.40	2.41
2/15/13	2/15/13	Chloroform	104.81	102.80	2.01	1.94
2/15/13	2/15/13	Methylene Chloride	99.32	98.98	0.34	0.34
2/15/13	2/15/13	Toluene	102.84	102.19	0.65	0.63
2/18/13	2/18/13	1,1,1-Trichloroethane	103.67	96.15	7.52	7.53
2/18/13	2/18/13	1,1,2,2-Tetrachloroethane	102.29	97.33	4.96	4.97
2/18/13	2/18/13	1,1-Dichloroethylene	100.58	99.34	1.24	1.24
2/18/13	2/18/13	1,2-Dichloroethane	105.64	97.83	7.81	7.68
2/18/13	2/18/13	Carbon Tetrachloride	102.40	92.87	9.53	9.76
2/18/13	2/18/13	Chlorobenzene	100.79	95.91	4.88	4.96
2/18/13	2/18/13	Chloroform	104.75	99.34	5.41	5.30
2/18/13	2/18/13	Methylene Chloride	100.22	98.59	1.63	1.64
2/18/13	2/18/13	Toluene	101.92	99.56	2.36	2.34
2/20/13	2/20/13	1,1,1-Trichloroethane	88.56	88.28	0.28	0.32
2/20/13	2/20/13	1,1,2,2-Tetrachloroethane	78.47	76.41	2.06	2.66
2/20/13	2/20/13	1,1-Dichloroethylene	90.99	88.12	2.87	3.20
2/20/13	2/20/13	1,2-Dichloroethane	86.01	85.97	0.04	0.05
2/20/13	2/20/13	Carbon Tetrachloride	87.54	87.44	0.10	0.11
2/20/13	2/20/13	Chlorobenzene	90.56	90.23	0.33	0.37
2/20/13	2/20/13	Chloroform	89.32	89.40	-0.08	0.09
2/20/13	2/20/13	Methylene Chloride	82.58	80.08	2.50	3.07
2/20/13	2/20/13	Toluene	92.46	92.53	-0.07	0.08
2/25/13	2/25/13	1,1,1-Trichloroethane	95.17	94.57	0.60	0.63
2/25/13	2/25/13	1,1,2,2-Tetrachloroethane	99.92	94.67	5.25	5.40
2/25/13	2/25/13	1,1-Dichloroethylene	91.16	90.91	0.25	0.27
2/25/13	2/25/13	1,2-Dichloroethane	92.76	92.37	0.39	0.42
2/25/13	2/25/13	Carbon Tetrachloride	95.30	94.57	0.73	0.77
2/25/13	2/25/13	Chlorobenzene	101.24	98.04	3.20	3.21
2/25/13	2/25/13	Chloroform	93.90	93.34	0.56	0.60
2/25/13	2/25/13	Methylene Chloride	84.99	84.01	0.98	1.16
2/25/13	2/25/13	Toluene	105.16	102.84	2.32	2.23
2/28/13	2/28/13	1,1,1-Trichloroethane	88.66	91.98	-3.32	3.68
2/28/13	2/28/13	1,1,1-Trichloroethane	91.56	91.46	0.10	0.11
2/28/13	2/28/13	1,1,2,2-Tetrachloroethane	93.86	88.32	5.54	6.08

Relative Percent Difference (RPD)

$$RPD = \frac{ABS(A - B)}{[(A + B) / 2]} \times 100$$

ABS = Absolute value of a number

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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
2/28/13	2/28/13	1,1,2,2-Tetrachloroethane	96.96	94.17	2.79	2.92
2/28/13	2/28/13	1,1-Dichloroethylene	84.85	88.77	-3.92	4.52
2/28/13	2/28/13	1,1-Dichloroethylene	88.21	91.19	-2.98	3.32
2/28/13	2/28/13	1,2-Dichloroethane	84.72	84.11	0.61	0.72
2/28/13	2/28/13	1,2-Dichloroethane	81.87	85.28	-3.41	4.08
2/28/13	2/28/13	Carbon Tetrachloride	91.39	93.64	-2.25	2.43
2/28/13	2/28/13	Carbon Tetrachloride	93.13	92.90	0.23	0.25
2/28/13	2/28/13	Chlorobenzene	96.41	92.30	4.11	4.36
2/28/13	2/28/13	Chlorobenzene	100.16	98.30	1.86	1.87
2/28/13	2/28/13	Chloroform	90.10	90.15	-0.05	0.06
2/28/13	2/28/13	Chloroform	88.06	89.90	-1.84	2.07
2/28/13	2/28/13	Methylene Chloride	80.75	82.02	-1.27	1.56
2/28/13	2/28/13	Methylene Chloride	80.16	80.47	-0.31	0.39
2/28/13	2/28/13	Toluene	98.15	93.24	4.91	5.13
2/28/13	2/28/13	Toluene	101.35	100.27	1.08	1.07
3/5/13	3/5/13	1,1,1-Trichloroethane	96.45	98.44	-1.99	2.04
3/5/13	3/5/13	1,1,2,2-Tetrachloroethane	98.27	94.00	4.27	4.44
3/5/13	3/5/13	1,1-Dichloroethylene	88.15	93.63	-5.48	6.03
3/5/13	3/5/13	1,2-Dichloroethane	88.29	88.55	-0.26	0.29
3/5/13	3/5/13	Carbon Tetrachloride	98.85	100.43	-1.58	1.59
3/5/13	3/5/13	Chlorobenzene	100.96	98.38	2.58	2.59
3/5/13	3/5/13	Chloroform	92.60	93.69	-1.09	1.17
3/5/13	3/5/13	Methylene Chloride	80.41	83.48	-3.07	3.75
3/5/13	3/5/13	Toluene	103.59	100.08	3.51	3.45
3/13/13	3/13/13	1,1,1-Trichloroethane	98.22	98.98	-0.76	0.77
3/13/13	3/13/13	1,1,2,2-Tetrachloroethane	98.79	95.26	3.53	3.64
3/13/13	3/13/13	1,1-Dichloroethylene	87.41	88.79	-1.38	1.57
3/13/13	3/13/13	1,2-Dichloroethane	88.68	89.76	-1.08	1.21
3/13/13	3/13/13	Carbon Tetrachloride	102.76	102.86	-0.10	0.10
3/13/13	3/13/13	Chlorobenzene	103.53	99.63	3.90	3.84
3/13/13	3/13/13	Chloroform	91.60	91.96	-0.36	0.39
3/13/13	3/13/13	Methylene Chloride	79.90	80.73	-0.83	1.03
3/13/13	3/13/13	Toluene	104.63	100.97	3.66	3.56
3/14/13	3/14/13	1,1,1-Trichloroethane	101.80	99.98	1.82	1.80
3/14/13	3/14/13	1,1,2,2-Tetrachloroethane	102.96	96.49	6.47	6.49
3/14/13	3/14/13	1,1-Dichloroethylene	88.23	89.77	-1.54	1.73
3/14/13	3/14/13	1,2-Dichloroethane	93.50	92.28	1.22	1.31

Relative Percent Difference (RPD)

$$RPD = \frac{ABS(A - B)}{[(A + B) / 2]} \times 100$$
 ABS = Absolute value of a number

**Semi-Annual VOC, Hydrogen, and Methane Data Summary Report for  
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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
3/14/13	3/14/13	Carbon Tetrachloride	107.85	105.28	2.57	2.41
3/14/13	3/14/13	Chlorobenzene	105.67	100.35	5.32	5.16
3/14/13	3/14/13	Chloroform	94.65	92.83	1.82	1.94
3/14/13	3/14/13	Methylene Chloride	82.04	81.81	0.23	0.28
3/14/13	3/14/13	Toluene	106.33	100.68	5.65	5.46
3/20/13	3/20/13	1,1,1-Trichloroethane	102.20	104.45	-2.25	2.18
3/20/13	3/20/13	1,1,2,2-Tetrachloroethane	108.54	102.92	5.62	5.32
3/20/13	3/20/13	1,1-Dichloroethylene	83.49	89.03	-5.54	6.42
3/20/13	3/20/13	1,2-Dichloroethane	93.52	96.64	-3.12	3.28
3/20/13	3/20/13	Carbon Tetrachloride	108.38	109.39	-1.01	0.93
3/20/13	3/20/13	Chlorobenzene	107.13	103.39	3.74	3.55
3/20/13	3/20/13	Chloroform	92.75	94.63	-1.88	2.01
3/20/13	3/20/13	Methylene Chloride	80.12	82.46	-2.34	2.88
3/20/13	3/20/13	Toluene	109.03	104.81	4.22	3.95
3/22/13	3/22/13	1,1,1-Trichloroethane	108.60	101.48	7.12	6.78
3/22/13	3/22/13	1,1,2,2-Tetrachloroethane	106.32	106.98	-0.66	0.62
3/22/13	3/22/13	1,1-Dichloroethylene	104.52	103.92	0.60	0.58
3/22/13	3/22/13	1,2-Dichloroethane	109.63	104.20	5.43	5.08
3/22/13	3/22/13	Carbon Tetrachloride	108.22	99.98	8.24	7.92
3/22/13	3/22/13	Chlorobenzene	105.56	105.98	-0.42	0.40
3/22/13	3/22/13	Chloroform	108.83	104.75	4.08	3.82
3/22/13	3/22/13	Methylene Chloride	105.80	104.68	1.12	1.06
3/22/13	3/22/13	Toluene	109.38	111.22	-1.84	1.67
3/26/13	3/26/13	1,1,1-Trichloroethane	109.66	108.24	1.42	1.30
3/26/13	3/26/13	1,1,1-Trichloroethane	106.23	100.20	6.03	5.84
3/26/13	3/26/13	1,1,2,2-Tetrachloroethane	114.21	99.75	14.46	13.52
3/26/13	3/26/13	1,1,2,2-Tetrachloroethane	104.21	104.41	-0.20	0.19
3/26/13	3/26/13	1,1-Dichloroethylene	101.73	102.00	-0.27	0.27
3/26/13	3/26/13	1,1-Dichloroethylene	97.92	100.64	-2.72	2.74
3/26/13	3/26/13	1,2-Dichloroethane	109.90	107.84	2.06	1.89
3/26/13	3/26/13	1,2-Dichloroethane	108.94	103.43	5.51	5.19
3/26/13	3/26/13	Carbon Tetrachloride	105.42	99.02	6.40	6.26
3/26/13	3/26/13	Carbon Tetrachloride	111.02	108.07	2.95	2.69
3/26/13	3/26/13	Chlorobenzene	113.15	98.85	14.30	13.49
3/26/13	3/26/13	Chlorobenzene	103.30	104.06	-0.76	0.73
3/26/13	3/26/13	Chloroform	107.34	103.35	3.99	3.79
3/26/13	3/26/13	Chloroform	106.51	105.61	0.90	0.85

Relative Percent Difference (RPD)

$$RPD = \frac{ABS(A - B)}{[(A + B) / 2]} \times 100$$
 ABS = Absolute value of a number

**Semi-Annual VOC, Hydrogen, and Methane Data Summary Report for  
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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
3/26/13	3/26/13	Methylene Chloride	98.73	102.59	-3.86	3.83
3/26/13	3/26/13	Methylene Chloride	103.75	104.12	-0.37	0.36
3/26/13	3/26/13	Toluene	118.25	103.62	14.63	13.19
3/26/13	3/26/13	Toluene	105.52	108.60	-3.08	2.88
4/2/13	4/2/13	1,1,1-Trichloroethane	108.94	102.44	6.50	6.15
4/2/13	4/2/13	1,1,2,2-Tetrachloroethane	89.59	83.90	5.69	6.56
4/2/13	4/2/13	1,1-Dichloroethylene	99.71	95.50	4.21	4.31
4/2/13	4/2/13	1,2-Dichloroethane	103.02	95.96	7.06	7.10
4/2/13	4/2/13	Carbon Tetrachloride	116.88	110.37	6.51	5.73
4/2/13	4/2/13	Chlorobenzene	92.89	90.99	1.90	2.07
4/2/13	4/2/13	Chloroform	96.78	92.60	4.18	4.41
4/2/13	4/2/13	Methylene Chloride	86.94	83.18	3.76	4.42
4/2/13	4/2/13	Toluene	91.63	90.77	0.86	0.94
4/3/13	4/3/13	1,1,1-Trichloroethane	104.17	111.34	-7.17	6.65
4/3/13	4/3/13	1,1,2,2-Tetrachloroethane	80.06	85.32	-5.26	6.36
4/3/13	4/3/13	1,1-Dichloroethylene	99.44	103.51	-4.07	4.01
4/3/13	4/3/13	1,2-Dichloroethane	94.31	105.80	-11.49	11.48
4/3/13	4/3/13	Carbon Tetrachloride	111.77	118.25	-6.48	5.63
4/3/13	4/3/13	Chlorobenzene	85.73	95.26	-9.53	10.53
4/3/13	4/3/13	Chloroform	91.62	101.19	-9.57	9.93
4/3/13	4/3/13	Methylene Chloride	83.71	89.61	-5.90	6.81
4/3/13	4/3/13	Toluene	84.31	95.27	-10.96	12.21
4/11/13	4/11/13	1,1,1-Trichloroethane	104.27	107.16	-2.89	2.73
4/11/13	4/11/13	1,1,2,2-Tetrachloroethane	106.31	112.78	-6.47	5.91
4/11/13	4/11/13	1,1-Dichloroethylene	102.40	100.57	1.83	1.80
4/11/13	4/11/13	1,2-Dichloroethane	104.60	106.27	-1.67	1.58
4/11/13	4/11/13	Carbon Tetrachloride	102.27	103.07	-0.80	0.78
4/11/13	4/11/13	Chlorobenzene	104.99	109.75	-4.76	4.43
4/11/13	4/11/13	Chloroform	105.69	109.20	-3.51	3.27
4/11/13	4/11/13	Methylene Chloride	101.48	105.71	-4.23	4.08
4/11/13	4/11/13	Toluene	105.96	110.54	-4.58	4.23
4/12/13	4/12/13	1,1,1-Trichloroethane	108.06	109.02	-0.96	0.88
4/12/13	4/12/13	1,1,2,2-Tetrachloroethane	111.24	110.04	1.20	1.08
4/12/13	4/12/13	1,1-Dichloroethylene	101.87	105.83	-3.96	3.81
4/12/13	4/12/13	1,2-Dichloroethane	107.81	108.95	-1.14	1.05
4/12/13	4/12/13	Carbon Tetrachloride	106.06	105.15	0.91	0.86
4/12/13	4/12/13	Chlorobenzene	110.14	110.62	-0.48	0.43

Relative Percent Difference (RPD)

$$RPD = \frac{ABS(A - B)}{[(A + B) / 2]} \times 100$$
 ABS = Absolute value of a number

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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
4/12/13	4/12/13	Chloroform	107.63	109.71	-2.08	1.91
4/12/13	4/12/13	Methylene Chloride	101.81	107.11	-5.30	5.07
4/12/13	4/12/13	Toluene	110.38	112.85	-2.47	2.21
4/17/13	4/17/13	1,1,1-Trichloroethane	103.31	105.10	-1.79	1.72
4/17/13	4/17/13	1,1,1-Trichloroethane	103.98	99.73	4.25	4.17
4/17/13	4/17/13	1,1,2,2-Tetrachloroethane	102.33	107.34	-5.01	4.78
4/17/13	4/17/13	1,1,2,2-Tetrachloroethane	99.05	102.33	-3.28	3.26
4/17/13	4/17/13	1,1-Dichloroethylene	98.82	102.95	-4.13	4.09
4/17/13	4/17/13	1,1-Dichloroethylene	94.88	95.24	-0.36	0.38
4/17/13	4/17/13	1,2-Dichloroethane	102.47	106.39	-3.92	3.75
4/17/13	4/17/13	1,2-Dichloroethane	102.66	98.12	4.54	4.52
4/17/13	4/17/13	Carbon Tetrachloride	104.95	98.00	6.95	6.85
4/17/13	4/17/13	Carbon Tetrachloride	101.94	101.75	0.19	0.19
4/17/13	4/17/13	Chlorobenzene	98.25	102.83	-4.58	4.56
4/17/13	4/17/13	Chlorobenzene	101.09	106.91	-5.82	5.60
4/17/13	4/17/13	Chloroform	100.88	98.80	2.08	2.08
4/17/13	4/17/13	Chloroform	102.22	106.49	-4.27	4.09
4/17/13	4/17/13	Methylene Chloride	93.55	94.78	-1.23	1.31
4/17/13	4/17/13	Methylene Chloride	96.60	103.42	-6.82	6.82
4/17/13	4/17/13	Toluene	101.60	109.35	-7.75	7.35
4/17/13	4/17/13	Toluene	97.52	103.37	-5.85	5.82
4/24/13	4/24/13	1,1,1-Trichloroethane	99.27	99.04	0.23	0.23
4/24/13	4/24/13	1,1,1-Trichloroethane	103.65	100.98	2.67	2.61
4/24/13	4/24/13	1,1,2,2-Tetrachloroethane	102.14	99.53	2.61	2.59
4/24/13	4/24/13	1,1,2,2-Tetrachloroethane	99.11	99.83	-0.72	0.72
4/24/13	4/24/13	1,1-Dichloroethylene	92.29	95.68	-3.39	3.61
4/24/13	4/24/13	1,1-Dichloroethylene	97.43	96.97	0.46	0.47
4/24/13	4/24/13	1,2-Dichloroethane	101.57	101.07	0.50	0.49
4/24/13	4/24/13	1,2-Dichloroethane	101.34	100.52	0.82	0.81
4/24/13	4/24/13	Carbon Tetrachloride	104.43	99.38	5.05	4.96
4/24/13	4/24/13	Carbon Tetrachloride	97.01	95.34	1.67	1.74
4/24/13	4/24/13	Chlorobenzene	99.20	100.85	-1.65	1.65
4/24/13	4/24/13	Chlorobenzene	101.73	99.38	2.35	2.34
4/24/13	4/24/13	Chloroform	99.22	99.90	-0.68	0.68
4/24/13	4/24/13	Chloroform	100.49	100.59	-0.10	0.10
4/24/13	4/24/13	Methylene Chloride	90.74	95.30	-4.56	4.90
4/24/13	4/24/13	Methylene Chloride	96.72	97.79	-1.07	1.10

Relative Percent Difference (RPD)

$$RPD = \frac{ABS(A - B)}{[(A + B) / 2]} \times 100$$

ABS = Absolute value of a number

**Semi-Annual VOC, Hydrogen, and Methane Data Summary Report for  
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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
4/24/13	4/24/13	Toluene	98.29	102.13	-3.84	3.83
4/24/13	4/24/13	Toluene	103.37	102.50	0.87	0.85
4/29/13	4/29/13	1,1,1-Trichloroethane	98.76	105.96	-7.20	7.03
4/29/13	4/29/13	1,1,2,2-Tetrachloroethane	100.02	108.95	-8.93	8.55
4/29/13	4/29/13	1,1-Dichloroethylene	95.16	103.16	-8.00	8.07
4/29/13	4/29/13	1,2-Dichloroethane	99.01	107.83	-8.82	8.53
4/29/13	4/29/13	Carbon Tetrachloride	97.13	102.49	-5.36	5.37
4/29/13	4/29/13	Chlorobenzene	98.99	108.74	-9.75	9.39
4/29/13	4/29/13	Chloroform	97.69	107.20	-9.51	9.28
4/29/13	4/29/13	Methylene Chloride	94.21	103.51	-9.30	9.41
4/29/13	4/29/13	Toluene	99.85	111.88	-12.03	11.36
5/8/13	5/8/13	1,1,1-Trichloroethane	111.10	103.59	7.51	7.00
5/8/13	5/8/13	1,1,1-Trichloroethane	108.29	104.37	3.92	3.69
5/8/13	5/8/13	1,1,2,2-Tetrachloroethane	106.62	102.52	4.10	3.92
5/8/13	5/8/13	1,1,2,2-Tetrachloroethane	111.55	108.87	2.68	2.43
5/8/13	5/8/13	1,1-Dichloroethylene	102.30	101.89	0.41	0.40
5/8/13	5/8/13	1,1-Dichloroethylene	92.38	96.34	-3.96	4.20
5/8/13	5/8/13	1,2-Dichloroethane	108.10	105.32	2.78	2.61
5/8/13	5/8/13	1,2-Dichloroethane	107.53	102.66	4.87	4.63
5/8/13	5/8/13	Carbon Tetrachloride	111.90	101.09	10.81	10.15
5/8/13	5/8/13	Carbon Tetrachloride	106.12	100.97	5.15	4.97
5/8/13	5/8/13	Chlorobenzene	107.07	102.89	4.18	3.98
5/8/13	5/8/13	Chlorobenzene	112.52	109.67	2.85	2.57
5/8/13	5/8/13	Chloroform	106.47	103.27	3.20	3.05
5/8/13	5/8/13	Chloroform	107.96	106.37	1.59	1.48
5/8/13	5/8/13	Methylene Chloride	103.09	102.74	0.35	0.34
5/8/13	5/8/13	Methylene Chloride	94.29	97.36	-3.07	3.20
5/8/13	5/8/13	Toluene	110.90	109.42	1.48	1.34
5/8/13	5/8/13	Toluene	102.38	101.08	1.30	1.28
5/20/13	5/20/13	1,1,1-Trichloroethane	112.67	111.80	0.87	0.78
5/20/13	5/20/13	1,1,1-Trichloroethane	99.59	101.65	-2.06	2.05
5/20/13	5/20/13	1,1,2,2-Tetrachloroethane	94.72	102.37	-7.65	7.76
5/20/13	5/20/13	1,1,2,2-Tetrachloroethane	111.63	112.14	-0.51	0.46
5/20/13	5/20/13	1,1-Dichloroethylene	97.22	101.92	-4.70	4.72
5/20/13	5/20/13	1,1-Dichloroethylene	89.75	94.27	-4.52	4.91
5/20/13	5/20/13	1,2-Dichloroethane	99.13	101.90	-2.77	2.76
5/20/13	5/20/13	1,2-Dichloroethane	111.75	112.21	-0.46	0.41

Relative Percent Difference (RPD)

$$RPD = \frac{ABS(A - B)}{[(A + B) / 2]} \times 100$$

ABS = Absolute value of a number

**Semi-Annual VOC, Hydrogen, and Methane Data Summary Report for  
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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
5/20/13	5/20/13	Carbon Tetrachloride	111.75	109.15	2.60	2.35
5/20/13	5/20/13	Carbon Tetrachloride	102.23	101.13	1.10	1.08
5/20/13	5/20/13	Chlorobenzene	111.94	113.88	-1.94	1.72
5/20/13	5/20/13	Chlorobenzene	95.11	103.73	-8.62	8.67
5/20/13	5/20/13	Chloroform	108.63	109.88	-1.25	1.14
5/20/13	5/20/13	Chloroform	96.31	100.41	-4.10	4.17
5/20/13	5/20/13	Methylene Chloride	87.03	93.86	-6.83	7.55
5/20/13	5/20/13	Methylene Chloride	99.32	104.12	-4.80	4.72
5/20/13	5/20/13	Toluene	91.10	102.54	-11.44	11.82
5/20/13	5/20/13	Toluene	111.02	115.81	-4.79	4.22
5/28/13	5/28/13	1,1,1-Trichloroethane	107.51	108.22	-0.71	0.66
5/28/13	5/28/13	1,1,1-Trichloroethane	107.08	105.78	1.30	1.22
5/28/13	5/28/13	1,1,2,2-Tetrachloroethane	105.11	106.43	-1.32	1.25
5/28/13	5/28/13	1,1,2,2-Tetrachloroethane	105.46	107.79	-2.33	2.19
5/28/13	5/28/13	1,1-Dichloroethylene	95.87	96.10	-0.23	0.24
5/28/13	5/28/13	1,1-Dichloroethylene	91.10	97.22	-6.12	6.50
5/28/13	5/28/13	1,2-Dichloroethane	105.94	107.07	-1.13	1.06
5/28/13	5/28/13	1,2-Dichloroethane	105.84	108.06	-2.22	2.08
5/28/13	5/28/13	Carbon Tetrachloride	107.81	103.63	4.18	3.95
5/28/13	5/28/13	Carbon Tetrachloride	108.97	107.20	1.77	1.64
5/28/13	5/28/13	Chlorobenzene	105.09	106.91	-1.82	1.72
5/28/13	5/28/13	Chlorobenzene	104.14	108.78	-4.64	4.36
5/28/13	5/28/13	Chloroform	103.35	105.41	-2.06	1.97
5/28/13	5/28/13	Chloroform	102.84	104.33	-1.49	1.44
5/28/13	5/28/13	Methylene Chloride	94.76	98.56	-3.80	3.93
5/28/13	5/28/13	Methylene Chloride	90.87	98.31	-7.44	7.87
5/28/13	5/28/13	Toluene	101.38	108.17	-6.79	6.48
5/28/13	5/28/13	Toluene	102.63	107.06	-4.43	4.23
6/3/13	6/3/13	1,1,1-Trichloroethane	102.37	108.06	-5.69	5.41
6/3/13	6/3/13	1,1,2,2-Tetrachloroethane	97.75	104.87	-7.12	7.03
6/3/13	6/3/13	1,1-Dichloroethylene	97.12	99.89	-2.77	2.81
6/3/13	6/3/13	1,2-Dichloroethane	102.89	109.53	-6.64	6.25
6/3/13	6/3/13	Carbon Tetrachloride	103.83	107.01	-3.18	3.02
6/3/13	6/3/13	Chlorobenzene	97.51	107.17	-9.66	9.44
6/3/13	6/3/13	Chloroform	99.16	105.18	-6.02	5.89
6/3/13	6/3/13	Methylene Chloride	92.87	99.46	-6.59	6.85
6/3/13	6/3/13	Toluene	95.29	108.50	-13.21	12.96

Relative Percent Difference (RPD)

$$RPD = \text{ABS} (A - B) / [(A + B) / 2] \times 100$$

ABS = Absolute value of a number

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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
6/5/13	6/5/13	1,1,1-Trichloroethane	108.39	103.88	4.51	4.25
6/5/13	6/5/13	1,1,1-Trichloroethane	108.14	103.00	5.14	4.87
6/5/13	6/5/13	1,1,2,2-Tetrachloroethane	103.81	99.94	3.87	3.80
6/5/13	6/5/13	1,1,2,2-Tetrachloroethane	101.63	98.50	3.13	3.13
6/5/13	6/5/13	1,1-Dichloroethylene	100.95	99.71	1.24	1.24
6/5/13	6/5/13	1,1-Dichloroethylene	97.28	97.87	-0.59	0.60
6/5/13	6/5/13	1,2-Dichloroethane	108.66	104.66	4.00	3.75
6/5/13	6/5/13	1,2-Dichloroethane	108.27	104.00	4.27	4.02
6/5/13	6/5/13	Carbon Tetrachloride	111.69	105.11	6.58	6.07
6/5/13	6/5/13	Carbon Tetrachloride	108.12	101.09	7.03	6.72
6/5/13	6/5/13	Chlorobenzene	105.01	101.88	3.13	3.03
6/5/13	6/5/13	Chlorobenzene	102.76	101.36	1.40	1.37
6/5/13	6/5/13	Chloroform	104.59	102.02	2.57	2.49
6/5/13	6/5/13	Chloroform	102.73	101.45	1.28	1.25
6/5/13	6/5/13	Methylene Chloride	93.69	95.69	-2.00	2.11
6/5/13	6/5/13	Methylene Chloride	98.99	98.56	0.43	0.44
6/5/13	6/5/13	Toluene	104.44	103.90	0.54	0.52
6/5/13	6/5/13	Toluene	101.25	101.40	-0.15	0.15
6/12/13	6/12/13	1,1,1-Trichloroethane	99.84	96.53	3.31	3.37
6/12/13	6/12/13	1,1,2,2-Tetrachloroethane	91.57	92.25	-0.68	0.74
6/12/13	6/12/13	1,1-Dichloroethylene	101.43	99.37	2.06	2.05
6/12/13	6/12/13	1,2-Dichloroethane	95.20	94.99	0.21	0.22
6/12/13	6/12/13	Carbon Tetrachloride	98.93	96.21	2.72	2.79
6/12/13	6/12/13	Chlorobenzene	94.83	95.50	-0.67	0.70
6/12/13	6/12/13	Chloroform	99.94	97.43	2.51	2.54
6/12/13	6/12/13	Methylene Chloride	96.14	95.81	0.33	0.34
6/12/13	6/12/13	Toluene	92.63	93.40	-0.77	0.83
6/13/13	6/13/13	1,1,1-Trichloroethane	100.24	98.69	1.55	1.56
6/13/13	6/13/13	1,1,2,2-Tetrachloroethane	96.50	98.85	-2.35	2.41
6/13/13	6/13/13	1,1-Dichloroethylene	109.10	105.66	3.44	3.20
6/13/13	6/13/13	1,2-Dichloroethane	97.28	98.35	-1.07	1.09
6/13/13	6/13/13	Carbon Tetrachloride	101.07	98.21	2.86	2.87
6/13/13	6/13/13	Chlorobenzene	94.23	98.95	-4.72	4.89
6/13/13	6/13/13	Chloroform	99.98	100.84	-0.86	0.86
6/13/13	6/13/13	Methylene Chloride	104.27	102.64	1.63	1.58
6/13/13	6/13/13	Toluene	92.08	97.92	-5.84	6.15
6/14/13	6/14/13	1,1,1-Trichloroethane	104.69	97.06	7.63	7.56

Relative Percent Difference (RPD)

$$\text{RPD} = \text{ABS} (A - B) / [(A + B) / 2] \times 100$$

ABS = Absolute value of a number

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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
6/14/13	6/14/13	1,1,2,2-Tetrachloroethane	104.91	99.88	5.03	4.91
6/14/13	6/14/13	1,1-Dichloroethylene	109.16	104.59	4.57	4.28
6/14/13	6/14/13	1,2-Dichloroethane	105.63	99.01	6.62	6.47
6/14/13	6/14/13	Carbon Tetrachloride	103.32	96.60	6.72	6.72
6/14/13	6/14/13	Chlorobenzene	102.45	97.69	4.76	4.76
6/14/13	6/14/13	Chloroform	107.27	100.24	7.03	6.78
6/14/13	6/14/13	Methylene Chloride	106.47	102.72	3.75	3.59
6/14/13	6/14/13	Toluene	101.00	97.44	3.56	3.59
6/21/13	6/21/13	1,1,1-Trichloroethane	105.16	106.98	-1.82	1.72
6/21/13	6/21/13	1,1,2,2-Tetrachloroethane	109.17	111.05	-1.88	1.71
6/21/13	6/21/13	1,1-Dichloroethylene	107.75	110.78	-3.03	2.77
6/21/13	6/21/13	1,2-Dichloroethane	111.24	110.85	0.39	0.35
6/21/13	6/21/13	Carbon Tetrachloride	104.33	105.05	-0.72	0.69
6/21/13	6/21/13	Chlorobenzene	104.37	106.37	-2.00	1.90
6/21/13	6/21/13	Chloroform	107.51	109.24	-1.73	1.60
6/21/13	6/21/13	Methylene Chloride	106.06	109.32	-3.26	3.03
6/21/13	6/21/13	Toluene	105.15	107.23	-2.08	1.96
6/22/13	6/22/13	1,1,1-Trichloroethane	110.00	105.61	4.39	4.07
6/22/13	6/22/13	1,1,2,2-Tetrachloroethane	116.17	111.51	4.66	4.09
6/22/13	6/22/13	1,1-Dichloroethylene	109.24	108.19	1.05	0.97
6/22/13	6/22/13	1,2-Dichloroethane	115.03	109.40	5.63	5.02
6/22/13	6/22/13	Carbon Tetrachloride	111.07	105.59	5.48	5.06
6/22/13	6/22/13	Chlorobenzene	107.36	104.25	3.11	2.94
6/22/13	6/22/13	Chloroform	109.69	105.53	4.16	3.87
6/22/13	6/22/13	Methylene Chloride	107.51	105.67	1.84	1.73
6/22/13	6/22/13	Toluene	108.02	104.40	3.62	3.41
7/10/13	7/10/13	1,1,1-Trichloroethane	122.04	112.06	9.98	8.53
7/10/13	7/10/13	1,1,2,2-Tetrachloroethane	117.30	106.72	10.58	9.45
7/10/13	7/10/13	1,1-Dichloroethylene	110.74	106.40	4.34	4.00
7/10/13	7/10/13	1,2-Dichloroethane	119.24	111.17	8.07	7.00
7/10/13	7/10/13	Carbon Tetrachloride	125.30	114.39	10.91	9.10
7/10/13	7/10/13	Chlorobenzene	105.65	99.92	5.73	5.57
7/10/13	7/10/13	Chloroform	111.20	105.88	5.32	4.90
7/10/13	7/10/13	Methylene Chloride	102.56	99.40	3.16	3.13
7/10/13	7/10/13	Toluene	104.38	97.58	6.80	6.73
7/12/13	7/12/13	1,1,1-Trichloroethane	124.67	113.70	10.97	9.20
7/12/13	7/12/13	1,1,2,2-Tetrachloroethane	115.18	111.54	3.64	3.21

Relative Percent Difference (RPD)

$$\text{RPD} = \text{ABS} (A - B) / [(A + B) / 2] \times 100$$

ABS = Absolute value of a number

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## Attachment 6B – VOCs – Precision/Accuracy of Laboratory Control Samples

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (% Recovery)	LCD (% Recovery)	Difference	RPD
7/12/13	7/12/13	1,1-Dichloroethylene	120.52	108.28	12.24	10.70
7/12/13	7/12/13	1,2-Dichloroethane	124.57	114.90	9.67	8.08
7/12/13	7/12/13	Carbon Tetrachloride	127.66	115.02	12.64	10.42
7/12/13	7/12/13	Chlorobenzene	104.25	103.68	0.57	0.55
7/12/13	7/12/13	Chloroform	119.73	108.74	10.99	9.62
7/12/13	7/12/13	Methylene Chloride	110.20	100.24	9.96	9.47
7/12/13	7/12/13	Toluene	103.08	101.64	1.44	1.41
7/13/13	7/13/13	1,1,1-Trichloroethane	120.97	121.55	-0.58	0.48
7/13/13	7/13/13	1,1,2,2-Tetrachloroethane	124.74	118.68	6.06	4.98
7/13/13	7/13/13	1,1-Dichloroethylene	107.16	110.12	-2.96	2.72
7/13/13	7/13/13	1,2-Dichloroethane	111.69	112.30	-0.61	0.54
7/13/13	7/13/13	Carbon Tetrachloride	127.01	126.61	0.40	0.32
7/13/13	7/13/13	Chlorobenzene	105.61	102.17	3.44	3.31
7/13/13	7/13/13	Chloroform	107.23	107.19	0.04	0.04
7/13/13	7/13/13	Methylene Chloride	99.65	98.80	0.85	0.86
7/13/13	7/13/13	Toluene	105.26	99.57	5.69	5.56

Relative Percent Difference (RPD)

$$RPD = \frac{ABS(A - B)}{[(A + B) / 2]} \times 100$$

ABS = Absolute value of a number

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## Attachment 6C – VOCs – Laboratory Method Blanks

Concentrations in ppbv

111TA = 1,1,1-Trichloroethane; 1122T = 1,1,2,2-Tetrachloroethane; 11DCE = 1,1-Dichloroethylene; 12DCA = 1,2-Dichloroethane;  
CCL4 = Carbon tetrachloride; CHBNZ = Chlorobenzene; CHFRM = Chloroform; DCM = Methylene chloride; C7H8 = Toluene

Analysis Date	111TA	1122T	11DCE	12DCA	CCL4	CHBNZ	CHFRM	DCM	C7H8
1/10/2013	U	0.14J	U	U	0.08J	U	U	0.08J	U
1/17/2013	U	0.09J	U	U	U	U	U	U	U
1/23/2013	U	0.1J	U	U	U	U	U	U	U
2/1/2013	U	0.08J	U	U	0.04J	U	U	0.09J	0.06J
2/8/2013	U	U	U	U	U	U	U	U	U
2/15/2013	U	0.04J	U	U	U	U	U	U	U
2/18/2013	0.05J	U	U	U	0.19J	U	U	0.09J	0.04J
2/20/2013	U	0.14J	U	U	U	U	U	0.07J	U
2/25/2013	U	0.11J	U	U	U	U	U	0.06J	U
2/28/2013	U	0.12J	U	U	U	U	U	0.07J	U
3/5/2013	U	0.16J	U	U	U	U	U	0.07J	U
3/13/2013	U	0.12J	U	U	U	U	U	0.06J	U
3/14/2013	U	0.13J	U	U	U	U	U	U	U
3/20/2013	0.12J	0.13J	U	U	0.3J	U	U	U	U
3/22/2013	U	0.06J	U	U	U	U	U	U	U
3/26/2013	U	0.04J	U	U	U	U	U	U	0.03J
4/2/2013	U	0.1J	U	U	U	U	U	U	U
4/3/2013	U	0.08J	U	U	U	U	U	U	U
4/11/2013	0.07J	0.06J	U	U	0.22J	U	U	U	0.03J
4/12/2013	U	0.11J	U	U	U	U	U	U	0.04J
4/17/2013	U	0.1J	U	U	U	U	U	U	0.04J
4/24/2013	U	0.07J	U	U	U	U	U	U	0.03J
4/29/2013	U	0.06J	U	U	U	U	U	U	0.03J
5/8/2013	U	0.06J	U	U	U	U	U	U	0.03J
5/20/2013	U	0.05J	U	U	U	U	U	U	U
5/28/2013	U	0.06J	U	U	0.12J	U	U	U	U
6/3/2013	U	0.07J	U	U	0.14J	U	U	U	0.03J
6/5/2013	U	0.11J	U	U	0.14J	U	U	U	0.04J
6/12/2013	U	U	U	U	U	U	U	0.06J	U

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## Attachment 6C – VOCs – Laboratory Method Blanks

Concentrations in ppbv

**111TA** = 1,1,1-Trichloroethane; **1122T** = 1,1,2,2-Tetrachloroethane; **11DCE** = 1,1-Dichloroethylene; **12DCA** = 1,2-Dichloroethane;  
**CCL4** = Carbon tetrachloride; **CHBNZ** = Chlorobenzene; **CHFRM** = Chloroform; **DCM** = Methylene chloride; **C7H8** = Toluene

Analysis Date	111TA	1122T	11DCE	12DCA	CCL4	CHBNZ	CHFRM	DCM	C7H8
6/14/2013	U	0.17J	U	U	0.1J	U	U	0.07J	U
6/21/2013	U	0.22J	U	U	0.07J	U	U	0.08J	U
7/10/2013	U	U	U	U	U	U	U	U	U
7/12/2013	U	0.11J	U	U	0.09J	U	U	U	U

**Notes:**

Descriptions for qualifiers (i.e., U and J) are presented in section 1.2 of this report.

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## Attachment 6D – VOCs – Field Duplicate Precision

## Field Duplicate Precision for Repository VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
VOC-A	2/5/2013	7941	2/5/2013	7943	1,1,1-Trichloroethane	57.64*	52.46*	5.18	9.41
VOC-A	2/5/2013	7941	2/5/2013	7943	1,1,2,2-Tetrachloroethane	0.71* J	U	0.71	200.00
VOC-A	2/5/2013	7941	2/5/2013	7943	1,1-Dichloroethylene	U	U	0	0.00
VOC-A	2/5/2013	7941	2/5/2013	7943	1,2-Dichloroethane	U	U	0	0.00
VOC-A	2/5/2013	7941	2/5/2013	7943	Carbon Tetrachloride	338.15*	312.71*	25.44	7.82
VOC-A	2/5/2013	7941	2/5/2013	7943	Chlorobenzene	U	U	0	0.00
VOC-A	2/5/2013	7941	2/5/2013	7943	Chloroform	25.01*	23.43*	1.58	6.52
VOC-A	2/5/2013	7941	2/5/2013	7943	Methylene Chloride	9.99*	9.19*	0.8	8.34
VOC-A	2/5/2013	7941	2/5/2013	7943	Toluene	1.36* J	1.14* J	0.22	17.60
VOC-A	4/2/2013	8073	4/2/2013	8075	1,1,1-Trichloroethane	36.38*	34.94*	1.44	4.04
VOC-A	4/2/2013	8073	4/2/2013	8075	1,1,2,2-Tetrachloroethane	0.28* J	U	0.28	200.00
VOC-A	4/2/2013	8073	4/2/2013	8075	1,1-Dichloroethylene	U	U	0	0.00
VOC-A	4/2/2013	8073	4/2/2013	8075	1,2-Dichloroethane	U	U	0	0.00
VOC-A	4/2/2013	8073	4/2/2013	8075	Carbon Tetrachloride	181.11*	178.36*	2.75	1.53
VOC-A	4/2/2013	8073	4/2/2013	8075	Chlorobenzene	U	U	0	0.00
VOC-A	4/2/2013	8073	4/2/2013	8075	Chloroform	15.13*	14.59*	0.54	3.63
VOC-A	4/2/2013	8073	4/2/2013	8075	Methylene Chloride	4.93*	4.72*	0.21	4.35
VOC-A	4/2/2013	8073	4/2/2013	8075	Toluene	1.02* J	1.02* J	0	0.00
VOC-A	6/3/2013	8231	6/3/2013	8233	1,1,1-Trichloroethane	103.14*	109.02*	-5.88	5.54
VOC-A	6/3/2013	8231	6/3/2013	8233	1,1,2,2-Tetrachloroethane	U	U	0	0.00
VOC-A	6/3/2013	8231	6/3/2013	8233	1,1-Dichloroethylene	1.62* J	1.62* J	0	0.00
VOC-A	6/3/2013	8231	6/3/2013	8233	1,2-Dichloroethane	U	U	0	0.00
VOC-A	6/3/2013	8231	6/3/2013	8233	Carbon Tetrachloride	696.71*	737.24*	-40.53	5.65
VOC-A	6/3/2013	8231	6/3/2013	8233	Chlorobenzene	U	U	0	0.00
VOC-A	6/3/2013	8231	6/3/2013	8233	Chloroform	68.90*	69.30*	-0.4	0.58
VOC-A	6/3/2013	8231	6/3/2013	8233	Methylene Chloride	16.82* J	17.63* J	-0.81	4.70
VOC-A	6/3/2013	8231	6/3/2013	8233	Toluene	2.63* J	2.63* J	0	0.00
VOC-B	2/5/2013	7942	2/5/2013	7944	1,1,1-Trichloroethane	U	U	0	0.00
VOC-B	2/5/2013	7942	2/5/2013	7944	1,1,2,2-Tetrachloroethane	0.05* J	U	0.05	200.00
VOC-B	2/5/2013	7942	2/5/2013	7944	1,1-Dichloroethylene	U	U	0	0.00
VOC-B	2/5/2013	7942	2/5/2013	7944	1,2-Dichloroethane	U	U	0	0.00
VOC-B	2/5/2013	7942	2/5/2013	7944	Carbon Tetrachloride	0.15* J	0.13* J	0.02	14.29
VOC-B	2/5/2013	7942	2/5/2013	7944	Chlorobenzene	U	U	0	0.00
VOC-B	2/5/2013	7942	2/5/2013	7944	Chloroform	U	U	0	0.00
VOC-B	2/5/2013	7942	2/5/2013	7944	Methylene Chloride	0.16* J	0.14* J	0.02	13.33
VOC-B	2/5/2013	7942	2/5/2013	7944	Toluene	0.70* J	0.67* J	0.03	4.38
VOC-B	4/2/2013	8074	4/2/2013	8076	1,1,1-Trichloroethane	U	8.22* J	-8.22	200.00

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## Attachment 6D – VOCs – Field Duplicate Precision

## Field Duplicate Precision for Repository VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
VOC-B	4/2/2013	8074	4/2/2013	8076	1,1,2,2-Tetrachloroethane	U	0.12* J	-0.12	200.00
VOC-B	4/2/2013	8074	4/2/2013	8076	1,1-Dichloroethylene	U	U	0	0.00
VOC-B	4/2/2013	8074	4/2/2013	8076	1,2-Dichloroethane	U	U	0	0.00
VOC-B	4/2/2013	8074	4/2/2013	8076	Carbon Tetrachloride	0.15* J	0.46* J	-0.31	101.64
VOC-B	4/2/2013	8074	4/2/2013	8076	Chlorobenzene	U	U	0	0.00
VOC-B	4/2/2013	8074	4/2/2013	8076	Chloroform	U	U	0	0.00
VOC-B	4/2/2013	8074	4/2/2013	8076	Methylene Chloride	0.17* J	0.24* J	-0.07	34.15
VOC-B	4/2/2013	8074	4/2/2013	8076	Toluene	0.45* J	0.46* J	-0.01	2.20
VOC-B	6/3/2013	8232	6/3/2013	8234	1,1,1-Trichloroethane	0.10* J	0.10* J	0	0.00
VOC-B	6/3/2013	8232	6/3/2013	8234	1,1,2,2-Tetrachloroethane	U	U	0	0.00
VOC-B	6/3/2013	8232	6/3/2013	8234	1,1-Dichloroethylene	U	U	0	0.00
VOC-B	6/3/2013	8232	6/3/2013	8234	1,2-Dichloroethane	U	U	0	0.00
VOC-B	6/3/2013	8232	6/3/2013	8234	Carbon Tetrachloride	0.70* J	0.70* J	0	0.00
VOC-B	6/3/2013	8232	6/3/2013	8234	Chlorobenzene	U	U	0	0.00
VOC-B	6/3/2013	8232	6/3/2013	8234	Chloroform	U	U	0	0.00
VOC-B	6/3/2013	8232	6/3/2013	8234	Methylene Chloride	0.18* J	0.18* J	0	0.00
VOC-B	6/3/2013	8232	6/3/2013	8234	Toluene	0.66* J	0.60* J	0.06	9.52

## Field Duplicate Precision for Disposal Room VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
P6R3E	2/5/2013	7947	2/5/2013	7948	1,1,1-Trichloroethane	0.21 J	0.22 J	-0.01	4.65
P6R3E	2/5/2013	7947	2/5/2013	7948	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R3E	2/5/2013	7947	2/5/2013	7948	1,1-Dichloroethylene	U	U	0	0.00
P6R3E	2/5/2013	7947	2/5/2013	7948	1,2-Dichloroethane	U	U	0	0.00
P6R3E	2/5/2013	7947	2/5/2013	7948	Carbon Tetrachloride	0.77 J	0.74 J	0.03	3.97
P6R3E	2/5/2013	7947	2/5/2013	7948	Chlorobenzene	U	U	0	0.00
P6R3E	2/5/2013	7947	2/5/2013	7948	Chloroform	U	0.1 J	-0.1	200.00
P6R3E	2/5/2013	7947	2/5/2013	7948	Methylene Chloride	0.16 J	0.16 J	0	0.00
P6R3E	2/5/2013	7947	2/5/2013	7948	Toluene	0.57 J	0.56 J	0.01	1.77
P6R3E	4/16/2013	8131	4/16/2013	8132	1,1,1-Trichloroethane	1.23	1.06	0.17	14.85
P6R3E	4/16/2013	8131	4/16/2013	8132	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R3E	4/16/2013	8131	4/16/2013	8132	1,1-Dichloroethylene	U	U	0	0.00
P6R3E	4/16/2013	8131	4/16/2013	8132	1,2-Dichloroethane	U	U	0	0.00
P6R3E	4/16/2013	8131	4/16/2013	8132	Carbon Tetrachloride	3.51	2.76	0.75	23.92
P6R3E	4/16/2013	8131	4/16/2013	8132	Chlorobenzene	U	U	0	0.00
P6R3E	4/16/2013	8131	4/16/2013	8132	Chloroform	0.26 J	0.24 J	0.02	8.00

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## Attachment 6D – VOCs – Field Duplicate Precision

Field Duplicate Precision for Disposal Room VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
P6R3E	4/16/2013	8131	4/16/2013	8132	Methylene Chloride	0.34 J	0.35 J	-0.01	2.90
P6R3E	4/16/2013	8131	4/16/2013	8132	Toluene	0.5 J	0.53 J	-0.03	5.83
P6R3E	5/28/2013	8226	5/28/2013	8227	1,1,1-Trichloroethane	4.92	4.37	0.55	11.84
P6R3E	5/28/2013	8226	5/28/2013	8227	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R3E	5/28/2013	8226	5/28/2013	8227	1,1-Dichloroethylene	U	U	0	0.00
P6R3E	5/28/2013	8226	5/28/2013	8227	1,2-Dichloroethane	U	U	0	0.00
P6R3E	5/28/2013	8226	5/28/2013	8227	Carbon Tetrachloride	12.4	10.47	1.93	16.88
P6R3E	5/28/2013	8226	5/28/2013	8227	Chlorobenzene	U	U	0	0.00
P6R3E	5/28/2013	8226	5/28/2013	8227	Chloroform	1.56	0.6 J	0.96	88.89
P6R3E	5/28/2013	8226	5/28/2013	8227	Methylene Chloride	0.64 J	0.54 J	0.1	16.95
P6R3E	5/28/2013	8226	5/28/2013	8227	Toluene	0.55 J	0.44 J	0.11	22.22
P6R4E	1/30/2013	7925	1/30/2013	7926	1,1,1-Trichloroethane	2378.97	2210.085	168.88	7.36
P6R4E	1/30/2013	7925	1/30/2013	7926	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R4E	1/30/2013	7925	1/30/2013	7926	1,1-Dichloroethylene	U	U	0	0.00
P6R4E	1/30/2013	7925	1/30/2013	7926	1,2-Dichloroethane	U	U	0	0.00
P6R4E	1/30/2013	7925	1/30/2013	7926	Carbon Tetrachloride	6559.785	6098.085	461.7	7.30
P6R4E	1/30/2013	7925	1/30/2013	7926	Chlorobenzene	U	U	0	0.00
P6R4E	1/30/2013	7925	1/30/2013	7926	Chloroform	386.37	363.285	23.08	6.16
P6R4E	1/30/2013	7925	1/30/2013	7926	Methylene Chloride	286.74	279.45	7.29	2.58
P6R4E	1/30/2013	7925	1/30/2013	7926	Toluene	41.31 J	40.095 J	1.21	2.97
P6R4E	3/26/2013	8071	3/26/2013	8072	1,1,1-Trichloroethane	1838.16	1979.64	-141.48	7.41
P6R4E	3/26/2013	8071	3/26/2013	8072	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R4E	3/26/2013	8071	3/26/2013	8072	1,1-Dichloroethylene	U	U	0	0.00
P6R4E	3/26/2013	8071	3/26/2013	8072	1,2-Dichloroethane	U	U	0	0.00
P6R4E	3/26/2013	8071	3/26/2013	8072	Carbon Tetrachloride	5034.96	5585.76	-550.8	10.37
P6R4E	3/26/2013	8071	3/26/2013	8072	Chlorobenzene	U	U	0	0.00
P6R4E	3/26/2013	8071	3/26/2013	8072	Chloroform	252.72	277.56	-24.84	9.37
P6R4E	3/26/2013	8071	3/26/2013	8072	Methylene Chloride	217.08	252.72	-35.64	15.17
P6R4E	3/26/2013	8071	3/26/2013	8072	Toluene	41.04 J	41.04 J	0	0.00
P6R4E	5/22/2013	8217	5/22/2013	8218	1,1,1-Trichloroethane	869.94	754.11	115.83	14.26
P6R4E	5/22/2013	8217	5/22/2013	8218	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R4E	5/22/2013	8217	5/22/2013	8218	1,1-Dichloroethylene	U	U	0	0.00
P6R4E	5/22/2013	8217	5/22/2013	8218	1,2-Dichloroethane	U	U	0	0.00
P6R4E	5/22/2013	8217	5/22/2013	8218	Carbon Tetrachloride	2395.98	2127.47	268.51	11.87
P6R4E	5/22/2013	8217	5/22/2013	8218	Chlorobenzene	U	U	0	0.00
P6R4E	5/22/2013	8217	5/22/2013	8218	Chloroform	138.24	116.24	22	17.29
P6R4E	5/22/2013	8217	5/22/2013	8218	Methylene Chloride	174.96	183.06	-8.1	4.52
P6R4E	5/22/2013	8217	5/22/2013	8218	Toluene	19.44 J	17.82 J	1.62	8.70

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## Attachment 6D – VOCs – Field Duplicate Precision

Field Duplicate Precision for Disposal Room VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
P6R4I	2/13/2013	7977	2/13/2013	7978	1,1,1-Trichloroethane	2117.745	1929.42	188.32	9.31
P6R4I	2/13/2013	7977	2/13/2013	7978	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R4I	2/13/2013	7977	2/13/2013	7978	1,1-Dichloroethylene	U	U	0	0.00
P6R4I	2/13/2013	7977	2/13/2013	7978	1,2-Dichloroethane	U	U	0	0.00
P6R4I	2/13/2013	7977	2/13/2013	7978	Carbon Tetrachloride	5946.21	5411.61	534.6	9.41
P6R4I	2/13/2013	7977	2/13/2013	7978	Chlorobenzene	U	U	0	0.00
P6R4I	2/13/2013	7977	2/13/2013	7978	Chloroform	330.48	307.395	23.08	7.24
P6R4I	2/13/2013	7977	2/13/2013	7978	Methylene Chloride	119.07 J	112.995 J	6.07	5.23
P6R4I	2/13/2013	7977	2/13/2013	7978	Toluene	15.795 J	15.795 J	0	0.00
P6R4I	4/10/2013	8122	4/10/2013	8123	1,1,1-Trichloroethane	622.08	562.545	59.53	10.05
P6R4I	4/10/2013	8122	4/10/2013	8123	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R4I	4/10/2013	8122	4/10/2013	8123	1,1-Dichloroethylene	U	U	0	0.00
P6R4I	4/10/2013	8122	4/10/2013	8123	1,2-Dichloroethane	U	U	0	0.00
P6R4I	4/10/2013	8122	4/10/2013	8123	Carbon Tetrachloride	1763.37	1598.94	164.43	9.78
P6R4I	4/10/2013	8122	4/10/2013	8123	Chlorobenzene	U	U	0	0.00
P6R4I	4/10/2013	8122	4/10/2013	8123	Chloroform	98.01	89.1	8.91	9.52
P6R4I	4/10/2013	8122	4/10/2013	8123	Methylene Chloride	42.93	42.12	0.81	1.90
P6R4I	4/10/2013	8122	4/10/2013	8123	Toluene	8.505 J	7.29 J	1.21	15.32
P6R4I	6/4/2013	8240	6/4/2013	8241Q	1,1,1-Trichloroethane	133.74	39.6	94.14	108.62
P6R4I	6/4/2013	8240	6/4/2013	8241	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R4I	6/4/2013	8240	6/4/2013	8241	1,1-Dichloroethylene	U	0.24 J	-0.24	200.00
P6R4I	6/4/2013	8240	6/4/2013	8241	1,2-Dichloroethane	U	U	0	0.00
P6R4I	6/4/2013	8240	6/4/2013	8241Q	Carbon Tetrachloride	361.26	104.19	257.07	110.46
P6R4I	6/4/2013	8240	6/4/2013	8241	Chlorobenzene	U	U	0	0.00
P6R4I	6/4/2013	8240	6/4/2013	8241Q	Chloroform	22.68	7.32	15.36	102.40
P6R4I	6/4/2013	8240	6/4/2013	8241Q	Methylene Chloride	9.81	5.28	4.53	60.04
P6R4I	6/4/2013	8240	6/4/2013	8241	Toluene	2.88 J	1.95 J	0.93	38.51
P6R5E	1/3/2013	7850	1/3/2013	7851	1,1,1-Trichloroethane	27104.22	26681.4	422.82	1.57
P6R5E	1/3/2013	7850	1/3/2013	7851	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R5E	1/3/2013	7850	1/3/2013	7851	1,1-Dichloroethylene	U	U	0	0.00
P6R5E	1/3/2013	7850	1/3/2013	7851	1,2-Dichloroethane	U	U	0	0.00
P6R5E	1/3/2013	7850	1/3/2013	7851	Carbon Tetrachloride	65624.58	64560.24	1064.34	1.64
P6R5E	1/3/2013	7850	1/3/2013	7851	Chlorobenzene	U	U	0	0.00
P6R5E	1/3/2013	7850	1/3/2013	7851	Chloroform	3455.46	3426.3	29.16	0.85
P6R5E	1/3/2013	7850	1/3/2013	7851	Methylene Chloride	772.74 J	772.74 J	0	0.00
P6R5E	1/3/2013	7850	1/3/2013	7851	Toluene	102.06 J	U	102.06	200.00
P6R5E	2/26/2013	7995 R	2/26/2013	7996 R	1,1,1-Trichloroethane	957.96	922.86	35.1	3.73
P6R5E	2/26/2013	7995 R	2/26/2013	7996 R	1,1,2,2-Tetrachloroethane	U	U	0	0.00

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## Attachment 6D – VOCs – Field Duplicate Precision

Field Duplicate Precision for Disposal Room VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
P6R5E	2/26/2013	7995 R	2/26/2013	7996 R	1,1-Dichloroethylene	U	U	0	0.00
P6R5E	2/26/2013	7995 R	2/26/2013	7996 R	1,2-Dichloroethane	U	U	0	0.00
P6R5E	2/26/2013	7995 R	2/26/2013	7996 R	Carbon Tetrachloride	2759.4	2691.9	67.5	2.48
P6R5E	2/26/2013	7995 R	2/26/2013	7996 R	Chlorobenzene	U	U	0	0.00
P6R5E	2/26/2013	7995 R	2/26/2013	7996 R	Chloroform	129.06	127.44	1.62	1.26
P6R5E	2/26/2013	7995 R	2/26/2013	7996 R	Methylene Chloride	34.02 J	32.94 J	1.08	3.23
P6R5E	2/26/2013	7995 R	2/26/2013	7996 R	Toluene	U	U	0	0.00
P6R5E	4/23/2013	8145	4/23/2013	8146	1,1,1-Trichloroethane	48485.79	48912.26	-426.47	0.88
P6R5E	4/23/2013	8145	4/23/2013	8146	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R5E	4/23/2013	8145	4/23/2013	8146	1,1-Dichloroethylene	U	U	0	0.00
P6R5E	4/23/2013	8145	4/23/2013	8146	1,2-Dichloroethane	U	U	0	0.00
P6R5E	4/23/2013	8145	4/23/2013	8146	Carbon Tetrachloride	127611.45	127906.7	-295.25	0.23
P6R5E	4/23/2013	8145	4/23/2013	8146	Chlorobenzene	U	U	0	0.00
P6R5E	4/23/2013	8145	4/23/2013	8146	Chloroform	7151.49	7217.1	-65.61	0.91
P6R5E	4/23/2013	8145	4/23/2013	8146	Methylene Chloride	1476.23 J	1574.64 J	-98.41	6.45
P6R5E	4/23/2013	8145	4/23/2013	8146	Toluene	328.05 J	328.05 J	0	0.00
P6R5E	6/18/2013	8289	6/18/2013	8290	1,1,1-Trichloroethane	44002.44	44221.14	-218.7	0.50
P6R5E	6/18/2013	8289	6/18/2013	8290	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R5E	6/18/2013	8289	6/18/2013	8290	1,1-Dichloroethylene	U	U	0	0.00
P6R5E	6/18/2013	8289	6/18/2013	8290	1,2-Dichloroethane	U	U	0	0.00
P6R5E	6/18/2013	8289	6/18/2013	8290	Carbon Tetrachloride	121116.06	120678.66	437.4	0.36
P6R5E	6/18/2013	8289	6/18/2013	8290	Chlorobenzene	U	U	0	0.00
P6R5E	6/18/2013	8289	6/18/2013	8290	Chloroform	6057.99	6123.6	-65.61	1.08
P6R5E	6/18/2013	8289	6/18/2013	8290	Methylene Chloride	1137.24 J	1093.5 J	43.74	3.92
P6R5E	6/18/2013	8289	6/18/2013	8290	Toluene	153.09 J	153.09 J	0	0.00
P6R5I	1/15/2013	7883	1/15/2013	7884	1,1,1-Trichloroethane	30683.61	31121.01	-437.4	1.42
P6R5I	1/15/2013	7883	1/15/2013	7884	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R5I	1/15/2013	7883	1/15/2013	7884	1,1-Dichloroethylene	U	U	0	0.00
P6R5I	1/15/2013	7883	1/15/2013	7884	1,2-Dichloroethane	U	U	0	0.00
P6R5I	1/15/2013	7883	1/15/2013	7884	Carbon Tetrachloride	84024.54	83740.23	284.31	0.34
P6R5I	1/15/2013	7883	1/15/2013	7884	Chlorobenzene	U	U	0	0.00
P6R5I	1/15/2013	7883	1/15/2013	7884	Chloroform	4723.92	4767.66	-43.74	0.92
P6R5I	1/15/2013	7883	1/15/2013	7884	Methylene Chloride	1246.59 J	1268.46 J	-21.87	1.74
P6R5I	1/15/2013	7883	1/15/2013	7884	Toluene	U	U	0	0.00
P6R5I	3/12/2013	8047	3/12/2013	8048	1,1,1-Trichloroethane	34598.34	32280.12	2318.22	6.93
P6R5I	3/12/2013	8047	3/12/2013	8048	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R5I	3/12/2013	8047	3/12/2013	8048	1,1-Dichloroethylene	U	U	0	0.00
P6R5I	3/12/2013	8047	3/12/2013	8048	1,2-Dichloroethane	U	U	0	0.00

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## Attachment 6D – VOCs – Field Duplicate Precision

Field Duplicate Precision for Disposal Room VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
P6R5I	3/12/2013	8047	3/12/2013	8048	Carbon Tetrachloride	100033.38	93056.85	6976.53	7.23
P6R5I	3/12/2013	8047	3/12/2013	8048	Chlorobenzene	U	U	0	0.00
P6R5I	3/12/2013	8047	3/12/2013	8048	Chloroform	4942.62	4658.31	284.31	5.92
P6R5I	3/12/2013	8047	3/12/2013	8048	Methylene Chloride	1224.72 J	1202.85 J	21.87	1.80
P6R5I	3/12/2013	8047	3/12/2013	8048	Toluene	U	U	0	0.00
P6R5I	5/7/2013	8180	5/7/2013	8181	1,1,1-Trichloroethane	50957.1	57955.5	-6998.4	12.85
P6R5I	5/7/2013	8180	5/7/2013	8181	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R5I	5/7/2013	8180	5/7/2013	8181	1,1-Dichloroethylene	U	U	0	0.00
P6R5I	5/7/2013	8180	5/7/2013	8181	1,2-Dichloroethane	U	U	0	0.00
P6R5I	5/7/2013	8180	5/7/2013	8181	Carbon Tetrachloride	145960.38	162581.58	-16621.2	10.77
P6R5I	5/7/2013	8180	5/7/2013	8181	Chlorobenzene	U	U	0	0.00
P6R5I	5/7/2013	8180	5/7/2013	8181	Chloroform	7873.2	9316.62	-1443.42	16.79
P6R5I	5/7/2013	8180	5/7/2013	8181	Methylene Chloride	2099.52 J	2230.74 J	-131.22	6.06
P6R5I	5/7/2013	8180	5/7/2013	8181	Toluene	306.18 J	349.92 J	-43.74	13.33
P6R6E	1/9/2013	7859	1/9/2013	7860	1,1,1-Trichloroethane	116610.84	115211.16	1399.68	1.21
P6R6E	1/9/2013	7859	1/9/2013	7860	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R6E	1/9/2013	7859	1/9/2013	7860	1,1-Dichloroethylene	U	U	0	0.00
P6R6E	1/9/2013	7859	1/9/2013	7860	1,2-Dichloroethane	U	U	0	0.00
P6R6E	1/9/2013	7859	1/9/2013	7860	Carbon Tetrachloride	442298.88	433988.28	8310.6	1.90
P6R6E	1/9/2013	7859	1/9/2013	7860	Chlorobenzene	U	U	0	0.00
P6R6E	1/9/2013	7859	1/9/2013	7860	Chloroform	26943.84	26331.48	612.36	2.30
P6R6E	1/9/2013	7859	1/9/2013	7860	Methylene Chloride	3586.68 J	3324.24 J	262.44	7.59
P6R6E	1/9/2013	7859	1/9/2013	7860	Toluene	U	U	0	0.00
P6R6E	3/20/2013	8061	3/20/2013	8062	1,1,1-Trichloroethane	188169.48	202341.24	-14171.76	7.26
P6R6E	3/20/2013	8061	3/20/2013	8062	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R6E	3/20/2013	8061	3/20/2013	8062	1,1-Dichloroethylene	U	U	0	0.00
P6R6E	3/20/2013	8061	3/20/2013	8062	1,2-Dichloroethane	U	U	0	0.00
P6R6E	3/20/2013	8061	3/20/2013	8062	Carbon Tetrachloride	690282.81	745198.38	-54915.57	7.65
P6R6E	3/20/2013	8061	3/20/2013	8062	Chlorobenzene	U	U	0	0.00
P6R6E	3/20/2013	8061	3/20/2013	8062	Chloroform	45861.39	48617.01	-2755.62	5.83
P6R6E	3/20/2013	8061	3/20/2013	8062	Methylene Chloride	6692.22 J	6692.22 J	0	0.00
P6R6E	3/20/2013	8061	3/20/2013	8062	Toluene	1574.64 J	1574.64 J	0	0.00
P6R6E	6/10/2013	8280	6/10/2013	8281	1,1,1-Trichloroethane	138305.88	141455.16	-3149.28	2.25
P6R6E	6/10/2013	8280	6/10/2013	8281	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R6E	6/10/2013	8280	6/10/2013	8281	1,1-Dichloroethylene	U	U	0	0.00
P6R6E	6/10/2013	8280	6/10/2013	8281	1,2-Dichloroethane	U	U	0	0.00
P6R6E	6/10/2013	8280	6/10/2013	8281	Carbon Tetrachloride	510839.46	526717.08	-15877.62	3.06
P6R6E	6/10/2013	8280	6/10/2013	8281	Chlorobenzene	U	U	0	0.00

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## Attachment 6D – VOCs – Field Duplicate Precision

Field Duplicate Precision for Disposal Room VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
P6R6E	6/10/2013	8280	6/10/2013	8281	Chloroform	33329.88	33854.76	-524.88	1.56
P6R6E	6/10/2013	8280	6/10/2013	8281	Methylene Chloride	4723.92 J	4855.14 J	-131.22	2.74
P6R6E	6/10/2013	8280	6/10/2013	8281	Toluene	918.54 J	918.54 J	0	0.00
P6R6I	1/23/2013	7916	1/23/2013	7917	1,1,1-Trichloroethane	143029.8	140536.62	2493.18	1.76
P6R6I	1/23/2013	7916	1/23/2013	7917	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R6I	1/23/2013	7916	1/23/2013	7917	1,1-Dichloroethylene	U	U	0	0.00
P6R6I	1/23/2013	7916	1/23/2013	7917	1,2-Dichloroethane	U	U	0	0.00
P6R6I	1/23/2013	7916	1/23/2013	7917	Carbon Tetrachloride	530916.12	528554.16	2361.96	0.45
P6R6I	1/23/2013	7916	1/23/2013	7917	Chlorobenzene	U	U	0	0.00
P6R6I	1/23/2013	7916	1/23/2013	7917	Chloroform	37397.7	35298.18	2099.52	5.78
P6R6I	1/23/2013	7916	1/23/2013	7917	Methylene Chloride	5380.02 J	5248.8 J	131.22	2.47
P6R6I	1/23/2013	7916	1/23/2013	7917	Toluene	1705.86 J	1443.42 J	262.44	16.67
P6R6I	4/3/2013	8082	4/3/2013	8083	1,1,1-Trichloroethane	206868.33	210411.27	-3542.94	1.70
P6R6I	4/3/2013	8082	4/3/2013	8083	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R6I	4/3/2013	8082	4/3/2013	8083	1,1-Dichloroethylene	U	U	0	0.00
P6R6I	4/3/2013	8082	4/3/2013	8083	1,2-Dichloroethane	U	U	0	0.00
P6R6I	4/3/2013	8082	4/3/2013	8083	Carbon Tetrachloride	758779.65	767046.51	-8266.86	1.08
P6R6I	4/3/2013	8082	4/3/2013	8083	Chlorobenzene	U	U	0	0.00
P6R6I	4/3/2013	8082	4/3/2013	8083	Chloroform	49010.67	50191.65	-1180.98	2.38
P6R6I	4/3/2013	8082	4/3/2013	8083	Methylene Chloride	7282.71 J	6889.05 J	393.66	5.56
P6R6I	4/3/2013	8082	4/3/2013	8083	Toluene	1968.3 J	1574.64 J	393.66	22.22
P6R6I	6/26/2013	8302	6/26/2013	8303	1,1,1-Trichloroethane	166813.425	167895.99	-1082.56	0.65
P6R6I	6/26/2013	8302	6/26/2013	8303	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R6I	6/26/2013	8302	6/26/2013	8303	1,1-Dichloroethylene	U	U	0	0.00
P6R6I	6/26/2013	8302	6/26/2013	8303	1,2-Dichloroethane	U	U	0	0.00
P6R6I	6/26/2013	8302	6/26/2013	8303	Carbon Tetrachloride	671091.885	708489.585	-37397.7	5.42
P6R6I	6/26/2013	8302	6/26/2013	8303	Chlorobenzene	U	U	0	0.00
P6R6I	6/26/2013	8302	6/26/2013	8303	Chloroform	40546.98	39858.075	688.90	1.71
P6R6I	6/26/2013	8302	6/26/2013	8303	Methylene Chloride	4822.335 J	5117.58 J	-295.24	5.94
P6R6I	6/26/2013	8302	6/26/2013	8303	Toluene	787.32 J	787.32 J	0	0.00
P6R7E	2/19/2013	7985	2/19/2013	7986	1,1,1-Trichloroethane	247218.48	256928.76	-9710.28	3.85
P6R7E	2/19/2013	7985	2/19/2013	7986	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R7E	2/19/2013	7985	2/19/2013	7986	1,1-Dichloroethylene	U	U	0	0.00
P6R7E	2/19/2013	7985	2/19/2013	7986	1,2-Dichloroethane	U	U	0	0.00
P6R7E	2/19/2013	7985	2/19/2013	7986	Carbon Tetrachloride	1267060.32	1322960.04	-55899.72	4.32
P6R7E	2/19/2013	7985	2/19/2013	7986	Chlorobenzene	U	U	0	0.00
P6R7E	2/19/2013	7985	2/19/2013	7986	Chloroform	81093.96	83455.92	-2361.96	2.87
P6R7E	2/19/2013	7985	2/19/2013	7986	Methylene Chloride	8922.96 J	8660.52 J	262.44	2.99

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## Attachment 6D – VOCs – Field Duplicate Precision

## Field Duplicate Precision for Disposal Room VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
P6R7E	2/19/2013	7985	2/19/2013	7986	Toluene	U	U	0	0.00
P6R7E	4/30/2013	8152	4/30/2013	8153	1,1,1-Trichloroethane	422003.52	407831.76	14171.76	3.42
P6R7E	4/30/2013	8152	4/30/2013	8153	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R7E	4/30/2013	8152	4/30/2013	8153	1,1-Dichloroethylene	U	U	0	0.00
P6R7E	4/30/2013	8152	4/30/2013	8153	1,2-Dichloroethane	U	U	0	0.00
P6R7E	4/30/2013	8152	4/30/2013	8153	Carbon Tetrachloride	2036796.84	2005304.04	31492.8	1.56
P6R7E	4/30/2013	8152	4/30/2013	8153	Chlorobenzene	U	U	0	0.00
P6R7E	4/30/2013	8152	4/30/2013	8153	Chloroform	124790.22	117310.68	7479.54	6.18
P6R7E	4/30/2013	8152	4/30/2013	8153	Methylene Chloride	14171.76 J	14171.76 J	0	0.00
P6R7E	4/30/2013	8152	4/30/2013	8153	Toluene	2361.96 J	1968.3 J	393.66	18.18
P6R7I	3/5/2013	8020	3/5/2013	8021	1,1,1-Trichloroethane	248268.24	233571.6	14696.64	6.10
P6R7I	3/5/2013	8020	3/5/2013	8021	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R7I	3/5/2013	8020	3/5/2013	8021	1,1-Dichloroethylene	U	U	0	0.00
P6R7I	3/5/2013	8020	3/5/2013	8021	1,2-Dichloroethane	U	U	0	0.00
P6R7I	3/5/2013	8020	3/5/2013	8021	Carbon Tetrachloride	1168382.88	1134265.68	34117.2	2.96
P6R7I	3/5/2013	8020	3/5/2013	8021	Chlorobenzene	U	U	0	0.00
P6R7I	3/5/2013	8020	3/5/2013	8021	Chloroform	64560.24	64035.36	524.88	0.82
P6R7I	3/5/2013	8020	3/5/2013	8021	Methylene Chloride	7085.88 J	7085.88 J	0	0.00
P6R7I	3/5/2013	8020	3/5/2013	8021	Toluene	U	U	0	0.00
P6R7I	5/13/2013	8204	5/13/2013	8205	1,1,1-Trichloroethane	466191.855	363446.595	102745.26	24.77
P6R7I	5/13/2013	8204	5/13/2013	8205	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P6R7I	5/13/2013	8204	5/13/2013	8205	1,1-Dichloroethylene	U	U	0	0.00
P6R7I	5/13/2013	8204	5/13/2013	8205	1,2-Dichloroethane	U	U	0	0.00
P6R7I	5/13/2013	8204	5/13/2013	8205	Carbon Tetrachloride	2068781.715	1626504.705	442277.01	23.94
P6R7I	5/13/2013	8204	5/13/2013	8205	Chlorobenzene	U	U	0	0.00
P6R7I	5/13/2013	8204	5/13/2013	8205	Chloroform	117212.265	100678.545	16533.72	15.18
P6R7I	5/13/2013	8204	5/13/2013	8205	Methylene Chloride	15352.74 J	12400.29 J	2952.45	21.28
P6R7I	5/13/2013	8204	5/13/2013	8205	Toluene	2657.205 J	2066.715 J	590.49	25.00

## Field Duplicate Precision for Ongoing Disposal Room VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
P3R1E	1/8/2013	7876	1/8/2013	7877	1,1,1-Trichloroethane	3674.97	3725.19	-50.22	1.36
P3R1E	1/8/2013	7876	1/8/2013	7877	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P3R1E	1/8/2013	7876	1/8/2013	7877	1,1-Dichloroethylene	25.92 J	20.25 J	5.67	24.56
P3R1E	1/8/2013	7876	1/8/2013	7877	1,2-Dichloroethane	8.1 J	7.29 J	0.81	10.53
P3R1E	1/8/2013	7876	1/8/2013	7877	Carbon Tetrachloride	4594.32	4738.5	-144.18	3.09

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## Attachment 6D – VOCs – Field Duplicate Precision

Field Duplicate Precision for Ongoing Disposal Room VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
P3R1E	1/8/2013	7876	1/8/2013	7877	Chlorobenzene	U	U	0	0.00
P3R1E	1/8/2013	7876	1/8/2013	7877	Chloroform	130.41	125.55	4.86	3.80
P3R1E	1/8/2013	7876	1/8/2013	7877	Methylene Chloride	999.54	909.63	89.91	9.42
P3R1E	1/8/2013	7876	1/8/2013	7877	Toluene	55.89 J	54.27 J	1.62	2.94
P3R1E	2/5/2013	7939	2/5/2013	7940	1,1,1-Trichloroethane	1659.96	1911.06	-251.1	14.06
P3R1E	2/5/2013	7939	2/5/2013	7940	1,1,2,2-Tetrachloroethane	5.94 J	U	5.94	200.00
P3R1E	2/5/2013	7939	2/5/2013	7940	1,1-Dichloroethylene	22.68 J	24.3 J	-1.62	6.90
P3R1E	2/5/2013	7939	2/5/2013	7940	1,2-Dichloroethane	5.94 J	5.94 J	0	0.00
P3R1E	2/5/2013	7939	2/5/2013	7940	Carbon Tetrachloride	2286.9	2617.92	-331.02	13.50
P3R1E	2/5/2013	7939	2/5/2013	7940	Chlorobenzene	U	U	0	0.00
P3R1E	2/5/2013	7939	2/5/2013	7940	Chloroform	83.7	96.12	-12.42	13.81
P3R1E	2/5/2013	7939	2/5/2013	7940	Methylene Chloride	432.54	494.1	-61.56	13.29
P3R1E	2/5/2013	7939	2/5/2013	7940	Toluene	45.9 J	54	-8.1	16.22
P3R1E	3/5/2013	8012	3/5/2013	8013	1,1,1-Trichloroethane	2496.24	2924.64	-428.4	15.81
P3R1E	3/5/2013	8012	3/5/2013	8013	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P3R1E	3/5/2013	8012	3/5/2013	8013	1,1-Dichloroethylene	23.04 J	18.72 J	4.32	20.69
P3R1E	3/5/2013	8012	3/5/2013	8013	1,2-Dichloroethane	5.76 J	5.76 J	0	0.00
P3R1E	3/5/2013	8012	3/5/2013	8013	Carbon Tetrachloride	3356.64	3876.48	-519.84	14.37
P3R1E	3/5/2013	8012	3/5/2013	8013	Chlorobenzene	U	U	0	0.00
P3R1E	3/5/2013	8012	3/5/2013	8013	Chloroform	89.28	104.4	-15.12	15.61
P3R1E	3/5/2013	8012	3/5/2013	8013	Methylene Chloride	577.44	640.08	-62.64	10.29
P3R1E	3/5/2013	8012	3/5/2013	8013	Toluene	36.72 J	41.04 J	-4.32	11.11
P3R1E	4/2/2013	8098	4/2/2013	8099	1,1,1-Trichloroethane	2120.04	2096.28	23.76	1.13
P3R1E	4/2/2013	8098	4/2/2013	8099	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P3R1E	4/2/2013	8098	4/2/2013	8099	1,1-Dichloroethylene	24.3 J	24.84 J	-0.54	2.20
P3R1E	4/2/2013	8098	4/2/2013	8099	1,2-Dichloroethane	U	U	0	0.00
P3R1E	4/2/2013	8098	4/2/2013	8099	Carbon Tetrachloride	2631.96	2641.14	-9.18	0.35
P3R1E	4/2/2013	8098	4/2/2013	8099	Chlorobenzene	U	U	0	0.00
P3R1E	4/2/2013	8098	4/2/2013	8099	Chloroform	86.4	85.32	1.08	1.26
P3R1E	4/2/2013	8098	4/2/2013	8099	Methylene Chloride	540.54	544.32	-3.78	0.70
P3R1E	4/2/2013	8098	4/2/2013	8099	Toluene	58.32	55.62	2.7	4.74
P3R1E	5/14/2013	8197	5/14/2013	8198	1,1,1-Trichloroethane	3757.32	3841.56	-84.24	2.22
P3R1E	5/14/2013	8197	5/14/2013	8198	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P3R1E	5/14/2013	8197	5/14/2013	8198	1,1-Dichloroethylene	34.56 J	36.72 J	-2.16	6.06
P3R1E	5/14/2013	8197	5/14/2013	8198	1,2-Dichloroethane	U	U	0	0.00
P3R1E	5/14/2013	8197	5/14/2013	8198	Carbon Tetrachloride	4988.52	5104.08	-115.56	2.29
P3R1E	5/14/2013	8197	5/14/2013	8198	Chlorobenzene	U	U	0	0.00
P3R1E	5/14/2013	8197	5/14/2013	8198	Chloroform	150.12	152.28	-2.16	1.43

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Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
P3R1E	5/14/2013	8197	5/14/2013	8198	Methylene Chloride	908.28	943.92	-35.64	3.85
P3R1E	5/14/2013	8197	5/14/2013	8198	Toluene	85.32 J	83.16 J	2.16	2.56
P3R1E	6/10/2013	8271	6/10/2013	8272	1,1,1-Trichloroethane	5248.8	5256.9	-8.1	0.15
P3R1E	6/10/2013	8271	6/10/2013	8272	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P3R1E	6/10/2013	8271	6/10/2013	8272	1,1-Dichloroethylene	50.22 J	50.22 J	0	0.00
P3R1E	6/10/2013	8271	6/10/2013	8272	1,2-Dichloroethane	14.58 J	12.96 J	1.62	11.76
P3R1E	6/10/2013	8271	6/10/2013	8272	Carbon Tetrachloride	7541.1	7691.76	-150.66	1.98
P3R1E	6/10/2013	8271	6/10/2013	8272	Chlorobenzene	U	U	0	0.00
P3R1E	6/10/2013	8271	6/10/2013	8272	Chloroform	252.72	247.86	4.86	1.94
P3R1E	6/10/2013	8271	6/10/2013	8272	Methylene Chloride	1317.06	1359.18	-42.12	3.15
P3R1E	6/10/2013	8271	6/10/2013	8272	Toluene	110.16 J	93.96 J	16.2	15.87
P4R1E	1/15/2013	7901	1/15/2013	7902	1,1,1-Trichloroethane	117923.04	112324.32	5598.72	4.86
P4R1E	1/15/2013	7901	1/15/2013	7902	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P4R1E	1/15/2013	7901	1/15/2013	7902	1,1-Dichloroethylene	U	U	0	0.00
P4R1E	1/15/2013	7901	1/15/2013	7902	1,2-Dichloroethane	U	U	0	0.00
P4R1E	1/15/2013	7901	1/15/2013	7902	Carbon Tetrachloride	761425.92	746554.32	14871.6	1.97
P4R1E	1/15/2013	7901	1/15/2013	7902	Chlorobenzene	U	U	0	0.00
P4R1E	1/15/2013	7901	1/15/2013	7902	Chloroform	53537.76	49513.68	4024.08	7.81
P4R1E	1/15/2013	7901	1/15/2013	7902	Methylene Chloride	19420.56	17845.92	1574.64	8.45
P4R1E	1/15/2013	7901	1/15/2013	7902	Toluene	U	U	0	0.00
P4R1E	2/12/2013	7968	2/12/2013	7969	1,1,1-Trichloroethane	62285.76	63772.92	-1487.16	2.36
P4R1E	2/12/2013	7968	2/12/2013	7969	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P4R1E	2/12/2013	7968	2/12/2013	7969	1,1-Dichloroethylene	U	U	0	0.00
P4R1E	2/12/2013	7968	2/12/2013	7969	1,2-Dichloroethane	U	U	0	0.00
P4R1E	2/12/2013	7968	2/12/2013	7969	Carbon Tetrachloride	345895.92	354556.44	-8660.52	2.47
P4R1E	2/12/2013	7968	2/12/2013	7969	Chlorobenzene	U	U	0	0.00
P4R1E	2/12/2013	7968	2/12/2013	7969	Chloroform	25806.6	26506.44	-699.84	2.68
P4R1E	2/12/2013	7968	2/12/2013	7969	Methylene Chloride	10410.12	10235.16	174.96	1.69
P4R1E	2/12/2013	7968	2/12/2013	7969	Toluene	1049.76 J	874.8 J	174.96	18.18
P4R1E	3/12/2013	8040	3/12/2013	8041	1,1,1-Trichloroethane	106200.72	117923.04	-11722.32	10.46
P4R1E	3/12/2013	8040	3/12/2013	8041	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P4R1E	3/12/2013	8040	3/12/2013	8041	1,1-Dichloroethylene	U	U	0	0.00
P4R1E	3/12/2013	8040	3/12/2013	8041	1,2-Dichloroethane	U	U	0	0.00
P4R1E	3/12/2013	8040	3/12/2013	8041	Carbon Tetrachloride	616734	674120.88	-57386.88	8.89
P4R1E	3/12/2013	8040	3/12/2013	8041	Chlorobenzene	U	U	0	0.00
P4R1E	3/12/2013	8040	3/12/2013	8041	Chloroform	45314.64	48988.8	-3674.16	7.79
P4R1E	3/12/2013	8040	3/12/2013	8041	Methylene Chloride	20820.24	22219.92	-1399.68	6.50
P4R1E	3/12/2013	8040	3/12/2013	8041	Toluene	1924.56 J	2099.52 J	-174.96	8.70

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## Attachment 6D – VOCs – Field Duplicate Precision

Field Duplicate Precision for Ongoing Disposal Room VOC Monitoring

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppbv)	Duplicate (ppbv)	Difference	RPD †
P4R1E	4/9/2013	8114	4/9/2013	8115	1,1,1-Trichloroethane	130563.9	105369.66	25194.24	21.36
P4R1E	4/9/2013	8114	4/9/2013	8115	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P4R1E	4/9/2013	8114	4/9/2013	8115	1,1-Dichloroethylene	U	U	0	0.00
P4R1E	4/9/2013	8114	4/9/2013	8115	1,2-Dichloroethane	U	U	0	0.00
P4R1E	4/9/2013	8114	4/9/2013	8115	Carbon Tetrachloride	737981.28	618046.2	119935.08	17.69
P4R1E	4/9/2013	8114	4/9/2013	8115	Chlorobenzene	U	U	0	0.00
P4R1E	4/9/2013	8114	4/9/2013	8115	Chloroform	49863.6	42384.06	7479.54	16.22
P4R1E	4/9/2013	8114	4/9/2013	8115	Methylene Chloride	21388.86	18633.24	2755.62	13.77
P4R1E	4/9/2013	8114	4/9/2013	8115	Toluene	1968.3 J	1574.64 J	393.66	22.22
P4R1E	5/7/2013	8173	5/7/2013	8174	1,1,1-Trichloroethane	144342	141192.72	3149.28	2.21
P4R1E	5/7/2013	8173	5/7/2013	8174	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P4R1E	5/7/2013	8173	5/7/2013	8174	1,1-Dichloroethylene	U	U	0	0.00
P4R1E	5/7/2013	8173	5/7/2013	8174	1,2-Dichloroethane	U	U	0	0.00
P4R1E	5/7/2013	8173	5/7/2013	8174	Carbon Tetrachloride	856429.2	841382.64	15046.56	1.77
P4R1E	5/7/2013	8173	5/7/2013	8174	Chlorobenzene	U	U	0	0.00
P4R1E	5/7/2013	8173	5/7/2013	8174	Chloroform	55287.36	54062.64	1224.72	2.24
P4R1E	5/7/2013	8173	5/7/2013	8174	Methylene Chloride	24144.48	23269.68	874.8	3.69
P4R1E	5/7/2013	8173	5/7/2013	8174	Toluene	1924.56 J	1924.56 J	0	0.00
P4R1E	6/3/2013	8257	6/3/2013	8258	1,1,1-Trichloroethane	40532.4	37558.08	2974.32	7.62
P4R1E	6/3/2013	8257	6/3/2013	8258	1,1,2,2-Tetrachloroethane	U	U	0	0.00
P4R1E	6/3/2013	8257	6/3/2013	8258	1,1-Dichloroethylene	U	U	0	0.00
P4R1E	6/3/2013	8257	6/3/2013	8258	1,2-Dichloroethane	U	U	0	0.00
P4R1E	6/3/2013	8257	6/3/2013	8258	Carbon Tetrachloride	231705.36	216892.08	14813.28	6.60
P4R1E	6/3/2013	8257	6/3/2013	8258	Chlorobenzene	U	U	0	0.00
P4R1E	6/3/2013	8257	6/3/2013	8258	Chloroform	16096.32	15279.84	816.48	5.20
P4R1E	6/3/2013	8257	6/3/2013	8258	Methylene Chloride	7348.32	6590.16	758.16	10.88
P4R1E	6/3/2013	8257	6/3/2013	8258	Toluene	874.8 J	816.48 J	58.32	6.90

**Notes:**

Sample IDs with the "R" qualifier indicate a non-routine result. This data set is shaded. Additional details are provided in section 3.2 of this report.

Descriptions for qualifiers (i.e., R, U, J, and Q) are presented in section 1.2 of this report. The "Q" qualifier appears after the duplicate sample ID, as applicable.

ppbv = parts per billion by volume.

\* Normalized target VOC concentration.

† Technical acceptance criterion for field duplicates is  $\leq 35$  RPD, which is only applicable if one or both values are not flagged "U" or "J." Data sets not meeting this criterion are shaded.

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## Attachment 7 – QA/QC Results from Analysis of Hydrogen and Methane Monitoring Samples

## LCS/LCSD Results

LCS Analysis Date	LCSD Analysis Date	Compound	LCS (%Recovery)	LCSD (%Recovery)	Difference	RPD
1/14/2013	1/14/2013	Hydrogen	102.26	101.14	1.12	1.10
1/14/2013	1/14/2013	Methane	96.08	98.41	-2.33	2.40
1/18/2013	1/18/2013	Hydrogen	107.05	99.77	7.28	7.04
1/18/2013	1/18/2013	Methane	94.31	97.71	-3.40	3.54
2/8/2013	2/8/2013	Hydrogen	102.11	104.52	-2.41	2.33
2/8/2013	2/8/2013	Methane	100.58	98.05	2.53	2.55
2/15/2013	2/15/2013	Hydrogen	103.83	103.07	0.76	0.73
2/15/2013	2/15/2013	Methane	98.28	95.67	2.61	2.69
3/11/2013	3/11/2013	Hydrogen	98.12	101.65	-3.53	3.53
3/11/2013	3/11/2013	Methane	103.71	94.17	9.54	9.64
3/15/2013	3/15/2013	Hydrogen	99.41	100.59	-1.18	1.18
3/15/2013	3/15/2013	Methane	93.59	97.86	-4.27	4.46
4/5/2013	4/5/2013	Hydrogen	102.41	101.83	0.58	0.57
4/5/2013	4/5/2013	Methane	103.04	91.44	11.60	11.93
4/12/2013	4/12/2013	Hydrogen	100.24	99.49	0.75	0.75
4/12/2013	4/12/2013	Methane	93.46	95.90	-2.44	2.58
5/10/2013	5/10/2013	Hydrogen	103.76	101.64	2.12	2.06
5/10/2013	5/10/2013	Methane	95.47	103.53	-8.06	8.10
5/17/2013	5/17/2013	Hydrogen	102.02	99.08	2.94	2.92
5/17/2013	5/17/2013	Methane	93.72	92.38	1.34	1.44
6/7/2013	6/7/2013	Hydrogen	100.65	99.80	0.85	0.85
6/7/2013	6/7/2013	Methane	97.01	96.33	0.68	0.70
6/14/2013	6/14/2013	Hydrogen	102.35	100.05	2.30	2.27
6/14/2013	6/14/2013	Methane	98.01	109.13	-11.12	10.74

**Notes:**

LCS = laboratory control sample.

LCSD = laboratory control sample duplicate.

Relative Percent Difference (RPD)

RPD =  $ABS (A-B) / [(A+B)/2] \times 100$  ABS = Absolute value of a number

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Attachment 7 – QA/QC Results from Analysis of Hydrogen and Methane Monitoring Samples

**Laboratory Method Blank**

<b>Analysis Date</b>	<b>Hydrogen</b>	<b>Methane</b>
1/14/2013	U	U
1/18/2013	U	U
2/8/2013	U	U
2/15/2013	U	U
3/11/2013	U	U
3/15/2013	U	U
4/5/2013	U	U
4/12/2013	U	U
5/10/2013	U	U
5/17/2013	U	U
6/7/2013	U	U
6/14/2013	U	U

**Notes:**

U = Compound not detected above the method detection limit.

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## Attachment 7 – QA/QC Results from Analysis of Hydrogen and Methane Monitoring Samples

## Lab Precision

Original Analysis Date	Original Sample ID	Duplicate Analysis Date	Duplicate Sample ID	Compound	Original (ppmv)	Duplicate (ppmv)	Difference	RPD *
1/14/2013	7866	1/14/2013	7866-dup	Hydrogen	38.9 J	36.12 J	2.78	7.41
1/14/2013	7866	1/14/2013	7866-dup	Methane	U	U	0	0.00
1/18/2013	7887	1/18/2013	7887-dup	Hydrogen	242.66	244.4	-1.74	0.71
1/18/2013	7887	1/18/2013	7887-dup	Methane	U	U	0	0.00
2/8/2013	7929	2/8/2013	7929-dup	Hydrogen	U	U	0	0.00
2/8/2013	7929	2/8/2013	7929-dup	Methane	U	U	0	0.00
2/15/2013	7954	2/15/2013	7954-dup	Hydrogen	194.7	184.88	9.82	5.17
2/15/2013	7954	2/15/2013	7954-dup	Methane	U	U	0	0.00
3/11/2013	8002	3/11/2013	8002-dup	Hydrogen	U	U	0	0.00
3/11/2013	8002	3/11/2013	8002-dup	Methane	U	U	0	0.00
3/15/2013	8026	3/15/2013	8026-dup	Hydrogen	317.9	314.98	2.92	0.92
3/15/2013	8026	3/15/2013	8026-dup	Methane	U	U	0	0.00
4/5/2013	8088	4/5/2013	8088-dup	Hydrogen	39.8 J	37.34 J	2.46	6.38
4/5/2013	8088	4/5/2013	8088-dup	Methane	U	U	0	0.00
4/12/2013	8100	4/12/2013	8100-dup	Hydrogen	335.64	347.9	-12.26	3.59
4/12/2013	8100	4/12/2013	8100-dup	Methane	U	U	0	0.00
5/10/2013	8159	5/10/2013	8159-dup	Hydrogen	350.1	345.26	4.84	1.39
5/10/2013	8159	5/10/2013	8159-dup	Methane	U	U	0	0.00
5/17/2013	8187	5/17/2013	8187-dup	Hydrogen	U	U	0	0.00
5/17/2013	8187	5/17/2013	8187-dup	Methane	U	U	0	0.00
6/7/2013	8253	6/7/2013	8253-dup	Hydrogen	136.12	125.94	10.18	7.77
6/7/2013	8253	6/7/2013	8253-dup	Methane	U	U	0	0.00
6/14/2013	8261	6/14/2013	8261-dup	Hydrogen	U	U	0	0.00
6/14/2013	8261	6/14/2013	8261-dup	Methane	U	U	0	0.00

**Notes:**

Descriptions for qualifiers (i.e., U and J) are presented in section 1.2 of this report.

ppmv = parts per million by volume.

\* Technical acceptance criterion for lab duplicate is  $\leq 25$  RPD, which is only applicable if one or both values are not flagged "U" or "J."

Relative Percent Difference (RPD)

$RPD = \frac{ABS(A-B)}{[(A+B)/2]} \times 100$  ABS = Absolute value of a number

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## Attachment 7 – QA/QC Results from Analysis of Hydrogen and Methane Monitoring Samples

## Field Precision

Location	Original Sample Date	Original Sample ID	Duplicate Sample Date	Duplicate Sample ID	Compound	Original (ppmv)	Duplicate (ppmv)	Difference	RPD *
P3R1E	1/8/2013	7876	1/8/2013	7877	Hydrogen	U	U	0	0.00
P3R1E	1/8/2013	7876	1/8/2013	7877	Methane	U	U	0	0.00
P3R1E	2/5/2013	7939	2/5/2013	7940	Hydrogen	U	U	0	0.00
P3R1E	2/5/2013	7939	2/5/2013	7940	Methane	U	U	0	0.00
P3R1E	3/5/2013	8012	3/5/2013	8013	Hydrogen	U	U	0	0.00
P3R1E	3/5/2013	8012	3/5/2013	8013	Methane	U	U	0	0.00
P3R1E	4/2/2013	8098	4/2/2013	8099	Hydrogen	U	U	0	0.00
P3R1E	4/2/2013	8098	4/2/2013	8099	Methane	U	U	0	0.00
P3R1E	5/14/2013	8197	5/14/2013	8198	Hydrogen	35.12 J	U	35.12	200.00
P3R1E	5/14/2013	8197	5/14/2013	8198	Methane	U	U	0	0.00
P3R1E	6/10/2013	8271	6/10/2013	8272	Hydrogen	35.4 J	35.32 J	0.08	0.23
P3R1E	6/10/2013	8271	6/10/2013	8272	Methane	U	U	0	0.00
P4R1E	1/15/2013	7901	1/15/2013	7902	Hydrogen	355.52	328.38	27.14	7.94
P4R1E	1/15/2013	7901	1/15/2013	7902	Methane	U	U	0	0.00
P4R1E	2/12/2013	7968	2/12/2013	7969	Hydrogen	216.66	210.78	5.88	2.75
P4R1E	2/12/2013	7968	2/12/2013	7969	Methane	U	U	0	0.00
P4R1E	3/12/2013	8040	3/12/2013	8041	Hydrogen	316.9	337.22	-20.32	6.21
P4R1E	3/12/2013	8040	3/12/2013	8041	Methane	U	U	0	0.00
P4R1E	4/9/2013	8114	4/9/2013	8115	Hydrogen	345.72	300.66	45.06	13.94
P4R1E	4/9/2013	8114	4/9/2013	8115	Methane	U	U	0	0.00
P4R1E	5/7/2013	8173	5/7/2013	8174	Hydrogen	350.46	346.02	4.44	1.27
P4R1E	5/7/2013	8173	5/7/2013	8174	Methane	U	U	0	0.00
P4R1E	6/3/2013	8257	6/3/2013	8258	Hydrogen	110.94	98.42 J	12.52	11.96
P4R1E	6/3/2013	8257	6/3/2013	8258	Methane	U	U	0	0.00

**Notes:**

Descriptions for qualifiers (i.e., U and J) are presented in section 1.2 of this report.

ppmv = parts per million by volume.

\* Technical acceptance criterion for field duplicate is  $\leq 35$  RPD, which is only applicable if one or both values are not flagged "U" or "J."

Relative Percent Difference (RPD)

$RPD = \frac{ABS(A-B)}{[(A+B)/2]} \times 100$  ABS = Absolute value of a number