APPENDIX B-3

Data Quality Evaluation Report – Soil Vapor
October – December 2012

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B-3. DATA QUALITY EVALUATION REPORT – SOIL VAPOR OCTOBER – DECEMBER 2012

1. LABORATORY DATA QUALITY SUMMARY

This laboratory data quality summary describes the findings of the data review for the Fourth Quarter 2012 soil vapor monitoring event and is provided to document the quality of the analytical data used in the *Quarterly Pre-Remedy Monitoring and Site Investigation Report for October – December 2012, Bulk Fuels Facility, Solid Waste Management Units ST-106 and SS-111* (hereafter referred to as the quarterly report). Sampling procedures and overall quality control (QC) and quality assurance protocols for the Fourth Quarter 2012 soil vapor monitoring event are presented in the *Quality Assurance Project Plan, Bulk Fuels Facility Spill, Solid Waste Management Units ST-106 and SS-111, Kirtland Air Force Base, Albuquerque, New Mexico* (U. S. Army Corps of Engineers [USACE], 2011).

During the period from November 15 through December 19, 2012, 293 soil vapor samples, 31 field duplicates, and 7 trip blanks were collected and submitted to RTI Laboratories, Inc. in Livonia, Michigan, for the following analyses:

- Volatile organic compounds (VOCs) – U. S. Environmental Protection Agency (EPA) Method TO-15
- Air-phase petroleum hydrocarbons (APHs) – Massachusetts Department of Environmental Protection (MA DEP)
- Fixed gases – ASTM International (ASTM) Method D2504

The laboratory holds a current U. S. Department of Defense (DoD) Environmental Laboratory Accreditation Program certification to perform these analyses.

All analytical results for the Fourth Quarter 2012 soil vapor monitoring event were submitted in seven sample delivery groups (SDGs). Appendix B3 – Table 1 (provided at the end of this report) summarizes sample locations, sample dates, sample numbers, and SDG numbers for the Fourth Quarter 2012 soil vapor monitoring event. An EPA Level III data review was performed on the analytical results for the seven SDGs. The review was performed in accordance with the guidelines and control criteria specified in the following documents:

- The site-specific Bulk Fuels Facility (BFF) Spill Quality Assurance Project Plan (QAPjP) (USACE, 2011)
- *DoD Quality Systems Manual for Environmental Laboratories, Version 4. 2* (DoD, 2010)
- *Method for the Determination of Air-Phase Petroleum Hydrocarbons (APH)* (MA DEP, 2008)
- *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air; Compendium of Method TO-15, Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)* (EPA, 1999)
- *Standard Test Method for Noncondensable Gases in C2 and Lighter Hydrocarbon Products by Gas Chromatography,* ASTM Method D2504 (ASTM, 2010)
- *Environmental Quality – Guidance for Evaluating Performance-Based Chemical Data*, EM 200-1-10, (USACE, 2005)
- *USEPA Contract Laboratory Program, National Functional Guidelines for Superfund Organic Methods Data Review* (EPA, 2008)

The following QC elements were included in the EPA Level III data review:

- Analysis holding times
- Laboratory method blanks
- Surrogate recoveries
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries
- Relative percent differences (RPDs)
- Initial calibration
- Continuing calibration verifications (CCVs)
- Trip blanks
- Professional judgment
- Bottle Vac™ certification
- Field duplicates

Analytical data were reviewed in terms of precision, bias, representativeness, comparability, and completeness as follows:

- *Bias* is demonstrated by recovery of target analytes from fortified blank LCS/LCSDs. For organic methods, bias is also demonstrated through recovery of surrogates from each field and QC sample. The recovery of target analytes from fortified samples is compared with the acceptance criteria defined in the QAPjP (USACE, 2011) and DoD Quality Systems Manual (QSM) (2010). When the acceptance criteria are not available in the QAPjP or DoD QSM, the results are compared with the laboratory in-house control limits. When these criteria are not met, the data are qualified accordingly.
- *Precision* is expressed as the RPD between the results of replicate sample analyses, that is, sample duplicates and LCSDs. When analyte RPDs exceed the acceptance criteria, the data are qualified accordingly.
- *Representativeness* of the samples submitted for analysis is ensured by adherence to standard sampling techniques and protocols.
- *Comparability* of sample results is ensured through the use of approved sampling and analysis methods.
- *Completeness* is expressed as a ratio of the number of usable data to the total number of analytical results.

The following sections present the EPA Level III data review findings. The discussion focuses on soil vapor sample results that are used for project decisions. Appendix B3 – Table 2 presents definitions of data qualification flags and reason codes applied to the analytical results. Appendix B3 – Table 3 presents a summary of qualified sample data. For informational purposes, qualified field QC data are also presented in this table.

1.1 Reason Codes

1.1.1 Analysis Holding Times (Reason Code H)

Sample holding times were evaluated by comparing the sample collection dates to the sample analysis dates. Analysis holding times were reviewed for all samples to determine the validity of the sample results. Holding-time exceedances were noted in EPA TO-15 and MA DEP methods for the Fourth Quarter 2012 soil vapor monitoring event and are listed below:

Analytical Method	Holding-Time Outliers	Holding-Time Requirement	Number of Non-Compliant Samples
EPA TO-15	31-32 days	30 days for analysis	9 samples
MA DEP	31-32 days	30 days for analysis	2 samples

During the Fourth Quarter 2012 soil vapor monitoring event, soil vapor samples were shipped 1 day after the sample collection date or the next business day; however, RTI Laboratories, Inc. did not receive the samples until approximately 1 week after the sample collection date.

Specific samples from the Fourth Quarter 2012 soil vapor monitoring event that were analyzed outside the holding-time requirement are presented in Appendix B3 – Table 3. As a result of the holding-time violations, the detected results and non-detected limits of quantitation (LOQs) in the affected samples were qualified as estimated (J-) and UJ, respectively. This data qualification was applied to all target analytes in three VOC samples (VA2191, VA2195, and VA2196) and two APH samples (VA2134 and VA2135). In addition, five soil vapor samples and one trip blank that were originally analyzed within the 30-day analysis holding-time requirement were reanalyzed 1 to 2 days after the 30-day holding-time requirement. These samples contained VOC concentrations that exceeded the instrument upper limit. In order to bring the sample results within the instrument calibration range, reanalysis was performed at a higher dilution, after the 30-day analysis holding time had expired. The affected sample numbers and target analytes are summarized below:

- VA1989: 2-butanone, acetone, cyclohexane, heptane, n-hexane, and toluene
- VA1990: 2-butanone, acetone, cyclohexane, heptane, n-hexane, and toluene
- VA1991: cyclohexane
- VA2186: cyclohexane, heptane, n-hexane, and toluene
- VA2187: cyclohexane, heptane, n-hexane, and toluene
- Trip blank VA8109-TB: acetone, cyclohexane, heptane, n-hexane, and toluene

In the above six samples, data qualification was applied to the results of the listed analytes only. The remaining VOC results in the same six samples were analyzed within the holding-time requirement, and thus, data qualification was not warranted. A review of historical data for these samples indicated that the reported concentrations from the affected wells were within their respective historical ranges, and therefore, it does not appear that additional sample storage time had an adverse impact on the sample results. The reported sample concentrations in the affected samples are considered estimated values, and the concentrations may be biased low.

Except where noted above, the remaining soil gas samples for VOC and APH analyses from the Fourth Quarter 2012 soil vapor monitoring event met the holding-time requirement. Holding time is not specified in ASTM Method D2504, and therefore, soil gas samples for fixed gases analysis were not reviewed for compliance with a holding-time requirement.

1.1.2 Laboratory Method Blanks (Reason Code B1)

The field sample results were evaluated with respect to the laboratory method blank prepared and analyzed for each analytical batch and for each analytical method. One positive detection in the laboratory method blank for MA DEP Method was reported for the Fourth Quarter 2012 soil vapor monitoring event. The specific contaminant, reported value, and LOQ are summarized as follows:

Analytical Method	Laboratory QC Batch Number	Contaminant	Contaminant Level ($\mu g/m^3$)	LOQ ($\mu g/m^3$)
MA DEP	R54469	C5-C8 Aliphatic Hydrocarbons	45	120

$\mu g/m^3$ microgram(s) per cubic meter

Based on the DoD QSM (2010) requirements, laboratory method blank detections are considered acceptable when contaminant concentrations in the blank are less than one-half the LOQ for target analytes and less than the LOQ for common laboratory contaminants, such as acetone and methylene chloride. As shown in the preceding table, the reported concentration for C5-C8 aliphatic hydrocarbons in the method blank was less than one-half the LOQ, and thus met the blank acceptance criteria.

This laboratory method blank detection has no impact on the data quality of the sample results, because the concentrations of C5-C8 aliphatic hydrocarbons in samples processed with the laboratory method blank significantly exceed the laboratory method blank level, and thus, no data qualification was warranted. No APHs were detected in the remaining laboratory method blanks. All laboratory method blanks were free of VOCs by EPA Method TO-15 and fixed gases by ASTM Method D2504.

1.1.3 Surrogate Recoveries (Reason Code S)

Surrogate standards are organic compounds added to field and laboratory QC samples for organic analysis to evaluate the matrix effect and method performance on an individual sample basis. Non-compliant surrogate recoveries were observed in a few VOC samples. The affected sample numbers, reported surrogate recoveries, and acceptance criteria are summarized below:

Analytical Method	Sample Numbers	Surrogate Recovery Outlier (%)	Control Range (%)
EPA TO-15	VA2090	4-bromofluorobenzene: 174%	70-130%
	VA2206	4-bromofluorobenzene: 157%	70-130%
	VA2208	4-bromofluorobenzene: 149%	70-130%
	VA2209	4-bromofluorobenzene: 155%	70-130%
	VA2207	4-bromofluorobenzene: 143%	70-130%
	VA2210	4-bromofluorobenzene: 135%	70-130%
	VA1986	4-bromofluorobenzene: 141%	70-130%
	VA2067	4-bromofluorobenzene: 164%	70-130%
	VA2068	4-bromofluorobenzene: 163%	70-130%
	VA2088	4-bromofluorobenzene: 161%	70-130%
	VA2089	4-bromofluorobenzene: 160%	70-130%
	VA2070	4-bromofluorobenzene: 166%	70-130%
	VA2069	4-bromofluorobenzene: 157%	70-130%
	VA2087	4-bromofluorobenzene: 174%	70-130%

As a result of the high biased surrogate recoveries, the detected results in the above-listed samples were qualified as estimated (J+). The high biased surrogate recoveries did not affect analytes not detected in the samples. As documented in laboratory case narratives, elevated concentrations of non-target analytes were present in the above samples, which caused matrix interference with the accuracy of the analysis. Except where noted above, the surrogate 4-bromofluorobenzene was recovered within the accuracy criteria for all other VOCs samples. Surrogate results were acceptable for all APH samples for the Fourth Quarter 2012 soil vapor monitoring event. No surrogates were spiked into any samples analyzed for fixed gases, as the bias of this analysis is assessed through LCS and LCSD recoveries.

1.1.4 Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries (Reason Codes L and D1)

The LCS is an aliquot of analyte-free matrix spiked with target analytes that is prepared with each analytical batch for each analytical method. The recovery of target analytes from the LCS analysis is a measurement of method performance in an interference-free sample matrix. The LCS bias and precision results meet the established QC requirements for ASTM Method D2504 for the Fourth Quarter 2012 soil vapor monitoring event.

For the EPA TO-15 and MA DEP methods, the laboratory performed sample duplicate analyses on project-specific soil vapor samples to assess method precision. During the Fourth Quarter 2012 soil vapor monitoring event, laboratory duplicate analyses were performed for a total of 24 soil vapor samples for VOCs analysis and 20 soil vapor samples for APHs analysis. Precision outliers were reported for the MA DEP Method as follows:

Analytical Method	Laboratory QC Batch Number	Laboratory Duplicate Sample	Laboratory Duplicate Precision Outlier (%)	Control Limit (%)
MA DEP	R54855	VA2206	C9-C12 Aliphatic hydrocarbons: 57%	<30%

< less than

Due to the sample duplicate precision outlier listed above, a total of seven APHs results by the MA DEP Method was qualified as estimated (J). This data qualification was applied to project samples with detected results of the listed analyte in the non-compliant batch. The data usability of the qualified results is not affected because of the duplicate precision outlier.

The precision requirement was achieved for the majority of the VOCs and APHs. Exceptions were observed for three laboratory duplicate samples (VA2247, VA2084, and VA2070) for VOCs analysis and two laboratory duplicate samples (VA2087 and VA2015) for APHs analysis. As noted in laboratory reports, the laboratory selected three VOC samples (VA2247, VA2084, and VA2070) for laboratory duplicate analysis. In all three cases, the VOC results in the parent samples were reported from a run with a lower dilution factor, while the VOC results from the duplicate analysis were quantified from a run with a higher dilution factor. Samples VA2087 and VA2015 were also chosen for laboratory duplicate analysis for APHs. The APHs results in the parent sample and the duplicate sample were reported from two different dilution factors. A review of the duplicate samples for both methods indicated that the five duplicate samples were over-diluted, thus resulting in false negative results for some target analytes. Precision results for these laboratory duplicate pair samples were therefore not meaningful because appropriate dilutions were not determined for the duplicate samples, and not all sample results were quantified within the instrument calibration range. It should be noted that the laboratory performed appropriate dilutions on the parent samples and that all VOCs and APH results in the parent samples were reported within the instrument range.

1.1.5 Initial Calibration (Reason Code G)

Instrument calibration is performed for VOCs, APHs, and fixed gases analyses according to the method requirements. The linear analytical range is established for each method by analysis of standards prepared at increasing concentrations that cover the expected sample concentrations. The acceptability of the initial calibration is determined by calculation of a percent relative standard deviation or coefficient. The initial

calibration results are acceptable for all target analytes for the Fourth Quarter 2012 soil vapor monitoring event.

Immediately after the initial calibration, an initial calibration verification was performed at the mid-point of the instrument calibration range by using a second source standard to verify the accuracy of the initial calibration. The initial calibration results meet the acceptance criteria for all three analytical methods.

1.1.6 Continuing Calibration Verification (Reason Code C)

Routinely during sample analysis, the stability of the analytical system is monitored by analysis of continuing calibration standards at concentrations near the mid-point of the instrument calibration range. The acceptability of the CCVs is assessed by comparing the reported concentrations to the spiked concentrations. All CCV results meet the established control criteria for VOCs, APHs, and fixed gases analyses for the Fourth Quarter 2012 soil vapor monitoring event.

1.1.7 Trip Blanks (Reason Codes K3)

Trip blanks were prepared by the laboratory and stored with the soil vapor samples collected for VOCs analysis. A total of seven trip blanks was submitted with the soil vapor samples for the Fourth Quarter 2012 soil vapor monitoring event and were analyzed for VOCs only. Appendix B3 – Table 4 summarizes trip blank detections and associated sample results. Analyte detections in the trip blanks are summarized as follows:

Analytical Method	Trip Blank	Number of Contaminants	Contaminant Level Range (ppbv)	LOQ Range (ppbv)
EPA TO-15	VA8105-TB	10	1.2-23	1-5
	VA8106-TB	5	1.2-3.5	1-5
	VA8107-TB	12	2.7-76	2-10
	VA8108-TB	9	2.7-36	1-5
	VA8109-TB	11	4.5-1,200	4-80
	VA8110-TB	7	1.1-4.6	1-5
	VA8112-TB	12	1.7-120	1-8

TB Trip Blank
ppbv parts per billion by volume

Due to the trip blank detections, data qualification was applied to a total of 313 VOC results as not detected (U) at either the LOQ or reported value when sample results are less than or equal to 5 times (or 10 times for common laboratory contaminants) the levels reported in the associated trip blank. This blank qualification has no impact on the data usability.

As shown in Appendix B3 – Table 4, the majority of the VOCs in the samples was either not detected or VOC concentrations in the samples far exceed the corresponding trip blank levels. Approximately 98 percent of the VOCs results for the Fourth Quarter 2012 soil vapor monitoring event are not affected by the trip blank detections.

1.1.8 Professional Judgment (Reason Codes P)

Samples VA2201, which was collected in a bottle Vac™container, was submitted to the laboratory for APHs and VOCs analyses. Upon sample receipt at the laboratory, a sample vacuum reading was recorded at "-1.5 inches of mercury." This vacuum reading was outside the typical vacuum readings of negative 4 to negative 8 inches of mercury for vapor samples that were received in good condition. Based on the vacuum reading, it appears that the bottle Vac™container leaked during sampling and/or shipping. Sample VA2201 was not analyzed for VOCs and APHs. The affected sample was re-collected for VOCs and APHs, and the results from the resample are reported in this quarterly report. Except where noted, vacuum readings were acceptable for all other bottle Vac™containers.

The concentration of C5-C8 aliphatic hydrocarbons in sample VA2145 was reported over the instrument calibration upper concentration limit and was consequently qualified as estimated (J). Due to a laboratory oversight, this sample was not reanalyzed at a higher dilution to in order to quantify the concentration of C5-C8 aliphatic hydrocarbons within the instrument linear range. There is no impact on the data usability because of this data quality outlier.

1.1.9 Bottle Vac™ Certification

When the sample bottle Vac™ containers were to be reused, the laboratory followed all cleaning procedures in accordance with laboratory standard operating procedures and industry standards to remove any VOC residue from prior use. Following the cleaning procedures, one bottle Vac™ container from a batch of 20 bottle Vac™ containers was to be tested for VOCs. A review of the VOC testing results indicated that no target analytes were detected in any bottle Vac™ containers. Therefore, the bottle Vac™ containers were deemed suitable for the Fourth Quarter 2012 soil vapor samples.

1.2 Field Duplicates

In accordance with the site-specific BFF Spill QAPjP requirements (USACE, 2011), field duplicate samples are to be collected at a minimum rate of 10 percent of the total number of soil vapor samples. Field duplicate sample results are evaluated by calculating the RPD between the sample and the duplicate sample. The RPD is calculated using the following equation:

$$RPD = |(S-D)/[(S+D)/2]| \times 100$$

where:

S = sample result
D = duplicate result

Acceptable precision control criteria are established at less than or equal 50 percent for soil vapor samples. The RPD is calculated between the field sample and the field duplicate sample when both results are reported at or above the LOQ. Appendix B3 – Table 5 presents field duplicate sample results and precision results.

Thirty-one duplicate pairs were collected for the Fourth Quarter 2012 soil vapor monitoring event, thus achieving the 10 percent field duplicate requirement. For the Fourth Quarter, all duplicate pairs from 31 locations were analyzed for VOCs, APHs, and fixed gases.

Field duplicate precision outliers were observed for fixed gases, APHs, and VOCs, as summarized below:

- ASTM Method D2504 – The RPDs for six fixed gases results at four locations are between 51.9 and 122.6 percent.
- MA DEP Method – The RPDs for three APH results at three locations are between 54.5 and 98.7 percent.
- EPA Method TO-15 – The RPDs for 54 VOC results at 11 locations are between 51.2 and 150.4 percent.

The RPD results for fixed gases, APHs, and VOCs at 17 locations are within the field duplicate precision control criteria. Of the 329 calculable field duplicate results, 63 field duplicate results were found outside the precision limit. Approximately 81percent of the field duplicate results meet the precision goal. In accordance with EPA data review guidance, no data qualification was applied to any non-compliant field duplicate results.

1.3 Completeness

The following sections present a discussion of contractual, analytical, and technical completeness for the Fourth Quarter 2012 soil vapor monitoring event. Completeness calculations were performed only for the soil vapor samples that are used for project decisions. For informational purposes, completeness results are provided for field QC samples. Appendix B3 – Table 6 presents the technical completeness results.

1.3.1 Contractual Completeness

Contractual completeness is a quantitative determination of the number of unqualified results compared to the total number of sample results expressed as a percentage, based on data qualified for QC outliers related to method performance. These include data qualified for calibration or preparation blank contamination, missed holding times, and non-compliant LCS recovery and/or precision. The contractual completeness goal is 95 percent for the project. Contractual completeness is calculated as follows:

$$\% \text{ Contractual Completeness} = \frac{\text{Number of Unqualified Results}}{\text{Total Number of Results}} \times 100$$

For the Fourth Quarter 2012 soil vapor monitoring event, the contractual completeness was achieved as follows:

- ASTM Method D2504 – 100%
- EPA Method TO-15 – 99%
- MA DEP Method – 99.4%

As discussed in the previous sections, nine VOC samples and two APH samples missed the 30-day analysis holding time by 1 to 2 days. The affected results were qualified as estimated and are considered usable. The 95 percent contractual completeness goal was met for all three methods.

1.3.2 Analytical Completeness

Analytical completeness is a quantitative measure of the number of unqualified data results compared to the total number of results expressed as a percentage, based on target analytes qualified for exceedances of QC requirements based on calibration, LCS, surrogate, method precision, and laboratory method blank contamination results. The analytical completeness goal is 90 percent for the project. Analytical completeness is calculated as follows:

$$\% \text{ Analytical Completeness} = \frac{\text{Number of Unqualified Results}}{\text{Total Number of Results}} \times 100$$

For the Fourth Quarter 2012 soil vapor monitoring event, analytical completeness was achieved as follows:

- ASTM Method D2504 – 100%
- EPA Method TO-15 – 96.2%
- MA DEP Method – 98.6%

As a result of the holding-time exceedances, biased surrogate recoveries, trip blank detections for EPA TO-15 Method, holding-time violations, and the laboratory sample duplicate precision outlier MA DEP Method, the affected data were qualified as estimated or not detected. Estimated data are still usable to achieve project data quality objectives. The 90 percent analytical completeness goal was exceeded for all three methods.

1.3.3 Technical Completeness

Technical completeness is a quantitative measure of the data usability based on the number of rejected data compared to the total number of sample results. The technical completeness goal for each method is equal to or greater than 95 percent. The technical completeness calculation considers all data that are not rejected to be usable. The technical completeness is calculated as follows:

$$\%\ \text{Technical Completeness} = \frac{\text{Number of Usable Results}}{\text{Total Number of Results}} \times 100$$

Despite the exceedances noted in the previous sections, the technical completeness was 100 percent for all three methods, thus exceeding the 95 percent technical completeness requirement. Therefore, the project data quality objectives were achieved for the Fourth Quarter 2012 soil vapor monitoring event.

1.4 Summary

The analytical data reported for the Fourth Quarter 2012 soil vapor monitoring event have been reviewed for bias, precision, representativeness, comparability, and completeness. Data quality exceedances consist of missed holding times, biased surrogate recoveries and laboratory duplicate sample precisions, and laboratory and field blank contamination. The affected data were qualified as estimated or not detected. All of these data quality issues are considered minor, and the data usability is not affected.

In conclusion, the analytical data reported for the Fourth Quarter 2012 soil vapor monitoring event exceeds the 95 percent technical completeness requirement for all three methods. All data are usable for their intended purposes.

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TABLES

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Appendix B3 – Table 2: Data Qualification Flags and Reason Codes

Appendix B3 – Table 3: Qualified Data Summary

Appendix B3 – Table 4: Detected Trip Blank Results and Associated Sample Results

Appendix B3 – Table 5: Field Duplicate Summary

Appendix B3 – Table 6: Technical Completeness

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Appendix B3 – Table 1. Soil Vapor Sample Delivery Group, October – December 2012

Location	Sample Date	Sample Number	SDG	Type
KAFB-106028-150	12/18/2012	VA2009	1212959	VAPOR
KAFB-106028-250	12/18/2012	VA2010	1212959	VAPOR
KAFB-106028-350	12/18/2012	VA2011	1212959	VAPOR
KAFB-106028-450	12/18/2012	VA2012	1212959	VAPOR
KAFB-106028-450	12/18/2012	VA2013	1212959	VAPOR
KAFB-106108-025	11/26/2012	VA2028	1212185	VAPOR
KAFB-106108-050	11/26/2012	VA2029	1212185	VAPOR
KAFB-106108-150	11/27/2012	VA2030	1212185	VAPOR
KAFB-106108-250	11/27/2012	VA2031	1212185	VAPOR
KAFB-106108-350	11/27/2012	VA2032	1212185	VAPOR
KAFB-106108-350	11/27/2012	VA2033	1212185	VAPOR
KAFB-106108-450	11/27/2012	VA2034	1212185	VAPOR
KAFB-106109-025	11/15/2012	VA2035	1211986	VAPOR
KAFB-106109-050	11/15/2012	VA2036	1211986	VAPOR
KAFB-106109-150	11/15/2012	VA2037	1211986	VAPOR
KAFB-106109-250	11/15/2012	VA2038	1211986	VAPOR
KAFB-106109-350	11/19/2012	VA2039	1211986	VAPOR
KAFB-106109-450	11/19/2012	VA2040	1211986	VAPOR
KAFB-106110-025	11/15/2012	VA2041	1211986	VAPOR
KAFB-106110-050	11/15/2012	VA2042	1211986	VAPOR
KAFB-106110-050	11/15/2012	VA2043	1211986	VAPOR
KAFB-106110-150	11/15/2012	VA2044	1211986	VAPOR
KAFB-106110-250	11/15/2012	VA2045	1211986	VAPOR
KAFB-106110-350	11/15/2012	VA2046	1211986	VAPOR
KAFB-106110-450	11/15/2012	VA2047	1211986	VAPOR
KAFB-106111-025	12/11/2012	VA2048	1212722	VAPOR
KAFB-106111-050	12/11/2012	VA2049	1212722	VAPOR
KAFB-106111-150	12/11/2012	VA2050	1212722	VAPOR
KAFB-106111-250	12/11/2012	VA2051	1212722	VAPOR
KAFB-106111-350	12/11/2012	VA2052	1212722	VAPOR
KAFB-106111-450	12/11/2012	VA2053	1212722	VAPOR
KAFB-106112-025	12/12/2012	VA2054	1212722	VAPOR
KAFB-106112-050	12/12/2012	VA2055	1212722	VAPOR
KAFB-106112-150	12/12/2012	VA2056	1212722	VAPOR
KAFB-106112-150	12/12/2012	VA2057	1212722	VAPOR
KAFB-106112-250	12/12/2012	VA2058	1212722	VAPOR
KAFB-106112-350	12/12/2012	VA2059	1212722	VAPOR
KAFB-106112-450	12/12/2012	VA2060	1212722	VAPOR
KAFB-106113-020	11/27/2012	VA2061	1212185	VAPOR
KAFB-106113-050	11/27/2012	VA2062	1212185	VAPOR
KAFB-106113-150	11/27/2012	VA2063	1212185	VAPOR
KAFB-106113-250	11/27/2012	VA2064	1212185	VAPOR
KAFB-106113-350	11/27/2012	VA2065	1212185	VAPOR
KAFB-106113-450	11/27/2012	VA2066	1212185	VAPOR
KAFB-106114-025	11/27/2012	VA2067	1212185	VAPOR
KAFB-106114-050	11/27/2012	VA2068	1212185	VAPOR
KAFB-106114-150	11/27/2012	VA2069	1212185	VAPOR
KAFB-106114-150	11/27/2012	VA2070	1212185	VAPOR
KAFB-106114-250	11/27/2012	VA2071	1212185	VAPOR
KAFB-106114-350	11/27/2012	VA2072	1212185	VAPOR
KAFB-106114-450	11/27/2012	VA2073	1212185	VAPOR
KAFB-106115-025	12/4/2012	VA2074	1212373	VAPOR
KAFB-106115-050	12/4/2012	VA2075	1212373	VAPOR

Appendix B3 – Table 1. Soil Vapor Sample Delivery Group, October – December 2012 (continued)

Location	Sample Date	Sample Number	SDG	Type
KAFB-106115-150	12/4/2012	VA2076	1212373	VAPOR
KAFB-106115-250	12/4/2012	VA2077	1212373	VAPOR
KAFB-106115-350	12/4/2012	VA2078	1212373	VAPOR
KAFB-106115-450	12/4/2012	VA2079	1212373	VAPOR
KAFB-106116-025	11/26/2012	VA2080	1212185	VAPOR
KAFB-106116-050	11/26/2012	VA2081	1212185	VAPOR
KAFB-106116-050	11/26/2012	VA2082	1212185	VAPOR
KAFB-106116-150	11/26/2012	VA2083	1212185	VAPOR
KAFB-106116-250	11/26/2012	VA2084	1212185	VAPOR
KAFB-106116-350	11/26/2012	VA2085	1212185	VAPOR
KAFB-106116-450	11/26/2012	VA2086	1212185	VAPOR
KAFB-106117-025	11/28/2012	VA2087	1212185	VAPOR
KAFB-106117-050	11/28/2012	VA2088	1212185	VAPOR
KAFB-106117-150	11/28/2012	VA2089	1212185	VAPOR
KAFB-106117-250	11/29/2012	VA2090	1212373	VAPOR
KAFB-106117-350	11/29/2012	VA2091	1212373	VAPOR
KAFB-106117-350	11/29/2012	VA2092	1212373	VAPOR
KAFB-106117-450	11/29/2012	VA2093	1212373	VAPOR
KAFB-106118-025	12/11/2012	VA2094	1212722	VAPOR
KAFB-106118-050	12/11/2012	VA2095	1212722	VAPOR
KAFB-106118-160	12/11/2012	VA2096	1212722	VAPOR
KAFB-106118-265	12/11/2012	VA2097	1212722	VAPOR
KAFB-106118-350	12/11/2012	VA2098	1212722	VAPOR
KAFB-106118-450	12/11/2012	VA2099	1212722	VAPOR
KAFB-106119-025	12/12/2012	VA2100	1212722	VAPOR
KAFB-106119-050	12/12/2012	VA2101	1212722	VAPOR
KAFB-106119-150	12/12/2012	VA2102	1212722	VAPOR
KAFB-106119-250	12/12/2012	VA2103	1212722	VAPOR
KAFB-106119-350	12/12/2012	VA2104	1212722	VAPOR
KAFB-106119-350	12/12/2012	VA2105	1212722	VAPOR
KAFB-106119-450	12/12/2012	VA2106	1212722	VAPOR
KAFB-106120-025	11/27/2012	VA2107	1212185	VAPOR
KAFB-106120-050	11/27/2012	VA2108	1212185	VAPOR
KAFB-106120-150	11/27/2012	VA2109	1212185	VAPOR
KAFB-106120-250	11/27/2012	VA2110	1212185	VAPOR
KAFB-106120-350	11/27/2012	VA2111	1212185	VAPOR
KAFB-106120-450	11/27/2012	VA2112	1212185	VAPOR
KAFB-106121-025	11/28/2012	VA2113	1212185	VAPOR
KAFB-106121-050	11/28/2012	VA2114	1212185	VAPOR
KAFB-106121-145	11/28/2012	VA2115	1212185	VAPOR
KAFB-106121-145	11/28/2012	VA2116	1212185	VAPOR
KAFB-106121-250	11/28/2012	VA2117	1212185	VAPOR
KAFB-106121-350	11/28/2012	VA2118	1212185	VAPOR
KAFB-106121-440	11/28/2012	VA2119	1212185	VAPOR
KAFB-106122-025	11/28/2012	VA2120	1212185	VAPOR
KAFB-106122-050	11/28/2012	VA2121	1212185	VAPOR
KAFB-106122-150	11/28/2012	VA2122	1212185	VAPOR
KAFB-106122-250	11/28/2012	VA2123	1212185	VAPOR
KAFB-106122-350	11/28/2012	VA2124	1212185	VAPOR
KAFB-106122-350	11/28/2012	VA2125	1212185	VAPOR
KAFB-106122-450	11/28/2012	VA2126	1212185	VAPOR
KAFB-106123-025	11/29/2012	VA2127	1212373	VAPOR
KAFB-106123-050	11/29/2012	VA2128	1212373	VAPOR

Appendix B3 – Table 1. Soil Vapor Sample Delivery Group, October – December 2012 (continued)

Location	Sample Date	Sample Number	SDG	Type
KAFB-106123-150	11/29/2012	VA2129	1212373	VAPOR
KAFB-106123-250	11/29/2012	VA2130	1212373	VAPOR
KAFB-106123-350	11/29/2012	VA2131	1212373	VAPOR
KAFB-106123-450	12/3/2012	VA2132	1212373	VAPOR
KAFB-106124-025	12/3/2012	VA2133	1212373	VAPOR
KAFB-106124-050	12/3/2012	VA2134	1212373	VAPOR
KAFB-106124-050	12/3/2012	VA2135	1212373	VAPOR
KAFB-106124-150	12/3/2012	VA2136	1212373	VAPOR
KAFB-106124-250	12/3/2012	VA2137	1212373	VAPOR
KAFB-106124-350	12/3/2012	VA2138	1212373	VAPOR
KAFB-106124-450	12/3/2012	VA2139	1212373	VAPOR
KAFB-106125-025	11/20/2012	VA2140	1211986	VAPOR
KAFB-106125-050	11/20/2012	VA2141	1211986	VAPOR
KAFB-106125-150	11/20/2012	VA2142	1211986	VAPOR
KAFB-106125-250	11/20/2012	VA2143	1211986	VAPOR
KAFB-106125-350	11/20/2012	VA2144	1211986	VAPOR
KAFB-106125-450	11/20/2012	VA2145	1211986	VAPOR
KAFB-106126-025	11/20/2012	VA2146	1211986	VAPOR
KAFB-106126-050	11/20/2012	VA2147	1211986	VAPOR
KAFB-106126-050	11/20/2012	VA2148	1211986	VAPOR
KAFB-106126-150	11/20/2012	VA2149	1211986	VAPOR
KAFB-106126-250	11/20/2012	VA2150	1211986	VAPOR
KAFB-106126-350	11/20/2012	VA2151	1211986	VAPOR
KAFB-106126-450	11/20/2012	VA2152	1211986	VAPOR
KAFB-106127-025	12/3/2012	VA2153	1212373	VAPOR
KAFB-106127-050	12/3/2012	VA2154	1212373	VAPOR
KAFB-106127-150	12/3/2012	VA2155	1212373	VAPOR
KAFB-106127-250	12/3/2012	VA2156	1212373	VAPOR
KAFB-106127-350	12/3/2012	VA2157	1212373	VAPOR
KAFB-106127-450	12/3/2012	VA2158	1212373	VAPOR
KAFB-106128-025	12/5/2012	VA2159	1212437	VAPOR
KAFB-106128-050	12/5/2012	VA2160	1212437	VAPOR
KAFB-106128-150	12/5/2012	VA2161	1212437	VAPOR
KAFB-106128-250	12/5/2012	VA2162	1212437	VAPOR
KAFB-106128-250	12/5/2012	VA2163	1212437	VAPOR
KAFB-106128-350	12/5/2012	VA2164	1212437	VAPOR
KAFB-106128-450	12/5/2012	VA2165	1212437	VAPOR
KAFB-106129-025	12/13/2012	VA2166	1212722	VAPOR
KAFB-106129-050	12/13/2012	VA2167	1212722	VAPOR
KAFB-106129-150	12/13/2012	VA2168	1212722	VAPOR
KAFB-106129-250	12/13/2012	VA2169	1212722	VAPOR
KAFB-106129-350	12/13/2012	VA2170	1212722	VAPOR
KAFB-106129-450	12/13/2012	VA2171	1212722	VAPOR
KAFB-106130-025	12/17/2012	VA2172	1212959	VAPOR
KAFB-106130-050	12/17/2012	VA2173	1212959	VAPOR
KAFB-106130-050	12/17/2012	VA2174	1212959	VAPOR
KAFB-106130-150	12/17/2012	VA2175	1212959	VAPOR
KAFB-106130-250	12/17/2012	VA2176	1212959	VAPOR
KAFB-106130-350	12/17/2012	VA2177	1212959	VAPOR
KAFB-106130-450	12/17/2012	VA2178	1212959	VAPOR
KAFB-106131-025	12/17/2012	VA2179	1212959	VAPOR
KAFB-106131-055	12/17/2012	VA2180	1212959	VAPOR
KAFB-106131-150	12/17/2012	VA2181	1212959	VAPOR

Appendix B3 – Table 1. Soil Vapor Sample Delivery Group, October – December 2012 (continued)

Location	Sample Date	Sample Number	SDG	Type
KAFB-106131-245	12/18/2012	VA2182	1212959	VAPOR
KAFB-106131-350	12/17/2012	VA2183	1212959	VAPOR
KAFB-106131-450	12/17/2012	VA2184	1212959	VAPOR
KAFB-106132-025	12/5/2012	VA2185	1212437	VAPOR
KAFB-106132-050	12/5/2012	VA2186	1212437	VAPOR
KAFB-106132-050	12/5/2012	VA2187	1212437	VAPOR
KAFB-106132-175	12/6/2012	VA2188	1212437	VAPOR
KAFB-106132-250	12/6/2012	VA2189	1212437	VAPOR
KAFB-106132-350	12/6/2012	VA2190	1212437	VAPOR
KAFB-106132-450	12/6/2012	VA2191	1212437	VAPOR
KAFB-106133-025	12/6/2012	VA2192	1212437	VAPOR
KAFB-106133-050	12/6/2012	VA2193	1212437	VAPOR
KAFB-106133-170	12/6/2012	VA2194	1212437	VAPOR
KAFB-106133-250	12/6/2012	VA2195	1212722	VAPOR
KAFB-106133-350	12/6/2012	VA2196	1212722	VAPOR
KAFB-106133-450	12/10/2012	VA2197	1212722	VAPOR
KAFB-106134-025	12/10/2012	VA2198	1212722	VAPOR
KAFB-106134-025	12/10/2012	VA2199	1212722	VAPOR
KAFB-106134-050	12/10/2012	VA2200	1212722	VAPOR
KAFB-106134-170	12/10/2012	VA2201	1212722	VAPOR
KAFB-106134-170	12/19/2012	VA2201R	1212959	VAPOR
KAFB-106134-250	12/10/2012	VA2202	1212722	VAPOR
KAFB-106134-350	12/10/2012	VA2203	1212722	VAPOR
KAFB-106134-450	12/10/2012	VA2204	1212722	VAPOR
KAFB-106135-025	12/3/2012	VA2205	1212373	VAPOR
KAFB-106135-050	12/3/2012	VA2206	1212373	VAPOR
KAFB-106135-150	12/3/2012	VA2207	1212373	VAPOR
KAFB-106135-250	12/3/2012	VA2208	1212373	VAPOR
KAFB-106135-250	12/3/2012	VA2209	1212373	VAPOR
KAFB-106135-350	12/3/2012	VA2210	1212373	VAPOR
KAFB-106135-450	12/4/2012	VA2211	1212373	VAPOR
KAFB-106136-025	11/28/2012	VA2212	1212185	VAPOR
KAFB-106136-050	11/28/2012	VA2213	1212185	VAPOR
KAFB-106136-150	11/28/2012	VA2214	1212185	VAPOR
KAFB-106136-250	11/28/2012	VA2215	1212185	VAPOR
KAFB-106136-350	11/28/2012	VA2216	1212185	VAPOR
KAFB-106136-350	11/28/2012	VA2217	1212185	VAPOR
KAFB-106136-450	11/28/2012	VA2218	1212185	VAPOR
KAFB-106137-025	12/4/2012	VA2219	1212437	VAPOR
KAFB-106137-050	12/4/2012	VA2220	1212437	VAPOR
KAFB-106137-150	12/4/2012	VA2221	1212437	VAPOR
KAFB-106137-250	12/4/2012	VA2222	1212437	VAPOR
KAFB-106137-350	12/4/2012	VA2223	1212437	VAPOR
KAFB-106137-450	12/4/2012	VA2224	1212437	VAPOR
KAFB-106138-025	12/5/2012	VA2225	1212437	VAPOR
KAFB-106138-050	12/5/2012	VA2226	1212437	VAPOR
KAFB-106138-050	12/5/2012	VA2227	1212437	VAPOR
KAFB-106138-150	12/5/2012	VA2228	1212437	VAPOR
KAFB-106138-250	12/5/2012	VA2229	1212437	VAPOR
KAFB-106138-350	12/5/2012	VA2230	1212437	VAPOR
KAFB-106138-450	12/5/2012	VA2231	1212437	VAPOR
KAFB-106139-025	12/10/2012	VA2232	1212722	VAPOR
KAFB-106139-050	12/10/2012	VA2233	1212722	VAPOR

Appendix B3 – Table 1. Soil Vapor Sample Delivery Group, October – December 2012 (continued)

Location	Sample Date	Sample Number	SDG	Type
KAFB-106139-150	12/10/2012	VA2234	1212722	VAPOR
KAFB-106139-250	12/10/2012	VA2235	1212722	VAPOR
KAFB-106139-250	12/10/2012	VA2236	1212722	VAPOR
KAFB-106139-350	12/10/2012	VA2237	1212722	VAPOR
KAFB-106139-450	12/11/2012	VA2238	1212722	VAPOR
KAFB-106140-025	12/12/2012	VA2239	1212722	VAPOR
KAFB-106140-050	12/12/2012	VA2240	1212722	VAPOR
KAFB-106140-150	12/12/2012	VA2241	1212722	VAPOR
KAFB-106140-250	12/12/2012	VA2242	1212722	VAPOR
KAFB-106140-350	12/12/2012	VA2243	1212722	VAPOR
KAFB-106140-450	12/12/2012	VA2244	1212722	VAPOR
KAFB-106141-025	12/3/2012	VA2245	1212373	VAPOR
KAFB-106141-050	12/3/2012	VA2246	1212373	VAPOR
KAFB-106141-170	12/3/2012	VA2247	1212373	VAPOR
KAFB-106141-170	12/3/2012	VA2248	1212373	VAPOR
KAFB-106141-250	12/3/2012	VA2249	1212373	VAPOR
KAFB-106141-350	12/3/2012	VA2250	1212373	VAPOR
KAFB-106141-450	12/3/2012	VA2251	1212373	VAPOR
KAFB-106142-030	12/12/2012	VA2252	1212722	VAPOR
KAFB-106142-050	12/12/2012	VA2253	1212722	VAPOR
KAFB-106142-170	12/12/2012	VA2254	1212722	VAPOR
KAFB-106142-250	12/12/2012	VA2255	1212722	VAPOR
KAFB-106142-350	12/12/2012	VA2256	1212722	VAPOR
KAFB-106142-450	12/12/2012	VA2257	1212722	VAPOR
KAFB-106142-450	12/12/2012	VA2258	1212722	VAPOR
KAFB106149-IN	12/19/2012	VA9089	1212960	VAPOR
KAFB106149-POSTC1	12/19/2012	VA9088	1212960	VAPOR
KAFB106160-IN	12/19/2012	VA9094	1212960	VAPOR
KAFB106160-POSTC1	12/19/2012	VA9095	1212960	VAPOR
KAFB106160-POSTC1	12/19/2012	VA9096	1212960	VAPOR
KAFB106161-IN	12/18/2012	VA9093	1212960	VAPOR
KAFB106161-POSTC2	12/18/2012	VA9091	1212960	VAPOR
ST106-IN	12/18/2012	VA9084	1212960	VAPOR
ST106-IN	12/18/2012	VA9085	1212960	VAPOR
ST106-POSTC1	12/18/2012	VA9086	1212960	VAPOR
SVEW-01-260	12/17/2012	VA2014	1212959	VAPOR
SVEW-02-060	12/17/2012	VA2015	1212959	VAPOR
SVEW-03-160	12/17/2012	VA2016	1212959	VAPOR
SVEW-04-313	12/17/2012	VA2017	1212959	VAPOR
SVEW-05-460	12/17/2012	VA2018	1212959	VAPOR
SVEW-06-060	12/17/2012	VA2019	1212959	VAPOR
SVEW-07-160	12/17/2012	VA2020	1212959	VAPOR
SVEW-08-260	12/18/2012	VA2021	1212959	VAPOR
SVEW-09-460	12/18/2012	VA2022	1212959	VAPOR
SVEW-10-410	12/11/2012	VA2023	1212722	VAPOR
SVEW-10-410	12/11/2012	VA2024	1212722	VAPOR
SVEW-11-410	12/18/2012	VA2025	1212959	VAPOR
SVEW-12-410	12/5/2012	VA2026	1212437	VAPOR
SVEW-13-410	12/18/2012	VA2027	1212959	VAPOR
SVMW-01-050	12/17/2012	VA1945	1212959	VAPOR
SVMW-01-100	12/17/2012	VA1946	1212959	VAPOR
SVMW-01-100	12/17/2012	VA1947	1212959	VAPOR
SVMW-01-250	12/17/2012	VA1948	1212959	VAPOR

Appendix B3 – Table 1. Soil Vapor Sample Delivery Group, October – December 2012 (continued)

Location	Sample Date	Sample Number	SDG	Type
SVMW-01-300	12/17/2012	VA1949	1212959	VAPOR
SVMW-02-050	12/13/2012	VA1950	1212722	VAPOR
SVMW-02-100	12/13/2012	VA1951	1212722	VAPOR
SVMW-02-150	12/13/2012	VA1952	1212722	VAPOR
SVMW-03-050	11/21/2012	VA1953	1211986	VAPOR
SVMW-03-100	11/21/2012	VA1954	1211986	VAPOR
SVMW-03-250	11/21/2012	VA1955	1211986	VAPOR
SVMW-03-300	11/21/2012	VA1956	1211986	VAPOR
SVMW-04-050	11/19/2012	VA1957	1211986	VAPOR
SVMW-04-100	11/19/2012	VA1958	1211986	VAPOR
SVMW-04-100	11/19/2012	VA1959	1211986	VAPOR
SVMW-04-250	11/19/2012	VA1960	1211986	VAPOR
SVMW-04-300	11/19/2012	VA1961	1211986	VAPOR
SVMW-05-050	12/11/2012	VA1962	1212722	VAPOR
SVMW-05-100	12/11/2012	VA1963	1212722	VAPOR
SVMW-05-230	12/11/2012	VA1964	1212722	VAPOR
SVMW-05-290	12/11/2012	VA1965	1212722	VAPOR
SVMW-06-050	12/11/2012	VA1966	1212722	VAPOR
SVMW-06-100	12/11/2012	VA1967	1212722	VAPOR
SVMW-06-252	12/11/2012	VA1968	1212722	VAPOR
SVMW-06-252	12/11/2012	VA1969	1212722	VAPOR
SVMW-06-302	12/11/2012	VA1970	1212722	VAPOR
SVMW-07-050	12/13/2012	VA1971	1212722	VAPOR
SVMW-07-100	12/13/2012	VA1972	1212722	VAPOR
SVMW-07-150	12/13/2012	VA1973	1212722	VAPOR
SVMW-08-050	11/28/2012	VA1974	1212185	VAPOR
SVMW-08-100	11/28/2012	VA1975	1212185	VAPOR
SVMW-08-250	11/28/2012	VA1976	1212185	VAPOR
SVMW-09-050	12/4/2012	VA1978	1212373	VAPOR
SVMW-09-100	12/4/2012	VA1979	1212373	VAPOR
SVMW-09-100	12/4/2012	VA1980	1212373	VAPOR
SVMW-09-250	12/4/2012	VA1981	1212373	VAPOR
SVMW-09-266	12/4/2012	VA1982	1212373	VAPOR
SVMW-10-050	11/26/2012	VA1983	1212185	VAPOR
SVMW-10-100	11/26/2012	VA1984	1212185	VAPOR
SVMW-10-150	11/19/2012	VA1985	1212185	VAPOR
SVMW-10-250	11/26/2012	VA1986	1212185	VAPOR
SVMW-11-050	12/6/2012	VA1987	1212437	VAPOR
SVMW-11-100	12/6/2012	VA1988	1212437	VAPOR
SVMW-11-250	12/6/2012	VA1989	1212437	VAPOR
SVMW-11-250	12/6/2012	VA1990	1212437	VAPOR
SVMW-11-260	12/6/2012	VA1991	1212437	VAPOR
SVMW-12-150	12/11/2012	VA1992	1212722	VAPOR
SVMW-12-250	12/11/2012	VA1993	1212722	VAPOR
SVMW-12-350	12/11/2012	VA1994	1212722	VAPOR
SVMW-12-450	12/11/2012	VA1995	1212722	VAPOR
SVMW-13-150	12/18/2012	VA1996	1212959	VAPOR
SVMW-13-250	12/18/2012	VA1997	1212959	VAPOR
SVMW-13-350	12/18/2012	VA1998	1212959	VAPOR
SVMW-13-450	12/18/2012	VA1999	1212959	VAPOR
SVMW-14-150	12/5/2012	VA2000	1212437	VAPOR
SVMW-14-250	12/5/2012	VA2001	1212437	VAPOR
SVMW-14-250	12/5/2012	VA2002	1212437	VAPOR

Appendix B3 – Table 1. Soil Vapor Sample Delivery Group, October – December 2012 (concluded)

SVMW-14-350	12/5/2012	VA2003	1212437	VAPOR
SVMW-14-450	12/5/2012	VA2004	1212437	VAPOR
SVMW-15-150	12/18/2012	VA2005	1212959	VAPOR
SVMW-15-250	12/18/2012	VA2006	1212959	VAPOR
SVMW-15-350	12/18/2012	VA2007	1212959	VAPOR
SVMW-15-450	12/18/2012	VA2008	1212959	VAPOR

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Appendix B3 – Table 2. Data Qualification Flags and Reason Codes

Data Qualifier Definitions for Organic Data Review

Qualifier	Definition
	No Qualifier indicates that the data are acceptable both qualitatively and quantitatively.
U	The analyte was analyzed for but was not detected above the reported limit of quantitation.
J	The analyte was analyzed for and was positively identified, but the reported numerical value may not be consistent with the amount actually present in the environmental sample. Results are estimated, although the data are considered usable and may be used as appropriate to meet project objectives. Results are qualitatively acceptable and quantitatively uncertain.
J-	The analyte was positively identified; the associated numerical value is its approximate concentration with a low bias in the sample.
J+	The analyte was positively identified; the associated numerical value is its approximate concentration with a high bias in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified," and the associated value represents its approximate concentration.
UJ	The analyte was not detected above the reported limit of quantitation. However, the reported limit of quantitation is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The analyte was analyzed for, but the presence <u>or</u> absence of the analyte has not been verified. Resampling and reanalysis may be necessary to confirm or deny the presence of the analyte. Results are rejected, and data are <u>unusable</u> for any purposes.

Data Qualifier Definitions For Inorganic Data Review

Qualifier	Definition
	No Qualifier indicates that the data are acceptable both qualitatively and quantitatively.
U	The analyte was analyzed for but was not detected above the level of the reported value. The reported value is the limit of quantitation for water and soil for all the analytes except cyanide (CN) and mercury (Hg). For CN and Hg, the reported value is the contract-required detection limit.
J	The analyte was analyzed for and was positively identified, but the reported numerical value may not be consistent with the amount actually present in the environmental sample. Results are estimated, although the data are considered usable and may be used as appropriate to meet project objectives. Results are qualitatively acceptable and quantitatively uncertain.
J-	The analyte was positively identified; the associated numerical value is its approximate concentration with a low bias in the sample.
J+	The analyte was positively identified; the associated numerical value is its approximate concentration with a high bias in the sample.
UJ	The analyte was analyzed for but was not detected above the reported value. The reported value may not accurately or precisely represent the sample limit of quantitation.
R	The analyte was analyzed for, but the presence <u>or</u> absence of the analyte has not been verified. Resampling and reanalysis may be necessary to confirm or deny the presence of the analyte. Results are rejected, and data are <u>unusable</u> for any purposes.

Appendix B3 – Table 2. Data Qualification Flags and Reason Codes (concluded)

Reason Codes for Data Review and Validation

Reason Code	Description
A	Serial dilution outside criteria (Level IV).
B1	Method blank contaminants above reporting limit.
B2	Calibration blank contaminants above reporting limit.
B2, Bias Flag "-"	Calibration blank indicates negative interference; false negatives may be present.
C	Calibration outside control limits.
D	Sample results precision between primary and secondary columns outside control limit.
D1	Sample duplicate RPD outside control limit.
D2	Matrix duplicate RPD outside control limit.
D3	Laboratory control sample duplicate RPD outside control limit.
E	The sample results exceed the linear calibration range of the instrument.
F	Hydrocarbon pattern does not match hydrocarbon pattern in the standard.
G1	Initial calibration relative standard deviation outside control limit.
G2	Initial continuing calibration relative response factor (RRF) outside control limit.
G3	Continuing calibration RRF outside control limit.
H	Holding time exceeded.
I	Internal standard recovery outside control limit.
K1	Equipment rinsate contamination.
K2	Ambient blank contamination.
K3	Trip blank contamination.
L	LCS outside control limits.
M	MS outside control limits.
O	Interference check sample outside acceptance criteria.
P	Analyte qualified based on the professional judgment of the reviewer.
S	Surrogate recovery outside control limit.
T	Temperature outside acceptance criteria.
Tr	Value reported detected between the detection limit and LOQ.
W	Pesticide breakdown outside criteria (Level IV).
X	Raised reporting limit due to matrix interference or high analyte concentration.

Appendix B3 - Table 3
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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code D1Tr		**Method MA APH**								
VA2000	REG	12/5/2012	C9-C12 Aliphatic Hydrocarbons	1212437	20000	10000	76000	400	ug/m3	J
VA2156	REG	12/3/2012	C9-C12 Aliphatic Hydrocarbons	1212373	1600	1000	7600	40	ug/m3	J
VA2206	REG	12/3/2012	C9-C12 Aliphatic Hydrocarbons	1212373	49000	21000	150000	800	ug/m3	J
VA2207	REG	12/3/2012	C9-C12 Aliphatic Hydrocarbons	1212373	54000	21000	150000	800	ug/m3	J
VA2208	REG	12/3/2012	C9-C12 Aliphatic Hydrocarbons	1212373	69000	21000	150000	800	ug/m3	J
VA2209	FD	12/3/2012	C9-C12 Aliphatic Hydrocarbons	1212373	110000	21000	150000	800	ug/m3	J
VA2210	REG	12/3/2012	C9-C12 Aliphatic Hydrocarbons	1212373	25000	21000	150000	800	ug/m3	J
Reason Code E		**Method MA APH**								
VA2145	REG	11/20/2012	C5-C8 Aliphatic Hydrocarbons	1211986	52000	1200	4700	40	ug/m3	J
Reason Code H		**Method EPA TO15**								
VA1989	REG	12/6/2012	2-Butanone	1212437	390000	46000	160000	160000	ppbv	J-
VA1989	REG	12/6/2012	Acetone	1212437	2800000	69000	160000	160000	ppbv	J-
VA1989	REG	12/6/2012	Cyclohexane	1212437	2000000	110000	320000	160000	ppbv	J-
VA1989	REG	12/6/2012	Heptane	1212437	3000000	40000	160000	160000	ppbv	J-
VA1989	REG	12/6/2012	n-Hexane	1212437	770000	110000	320000	160000	ppbv	J-
VA1989	REG	12/6/2012	Toluene	1212437	1400000	25000	160000	160000	ppbv	J-
VA1990	FD	12/6/2012	2-Butanone	1212437	370000	46000	160000	160000	ppbv	J-
VA1990	FD	12/6/2012	Acetone	1212437	2800000	69000	160000	160000	ppbv	J-
VA1990	FD	12/6/2012	Cyclohexane	1212437	1900000	110000	320000	160000	ppbv	J-
VA1990	FD	12/6/2012	Heptane	1212437	2800000	40000	160000	160000	ppbv	J-
VA1990	FD	12/6/2012	n-Hexane	1212437	630000	110000	320000	160000	ppbv	J-
VA1990	FD	12/6/2012	Toluene	1212437	1200000	25000	160000	160000	ppbv	J-
VA1991	REG	12/6/2012	Cyclohexane	1212437	5100000	110000	320000	160000	ppbv	J-
VA2186	REG	12/5/2012	Cyclohexane	1212437	16000	550	1600	800	ppbv	J-
VA2186	REG	12/5/2012	Heptane	1212437	19000	200	800	800	ppbv	J-
VA2186	REG	12/5/2012	n-Hexane	1212437	13000	550	1600	800	ppbv	J-
VA2186	REG	12/5/2012	Toluene	1212437	26000	130	800	800	ppbv	J-
VA2187	FD	12/5/2012	Cyclohexane	1212437	25000	550	1600	800	ppbv	J-
VA2187	FD	12/5/2012	Heptane	1212437	28000	200	800	800	ppbv	J-
VA2187	FD	12/5/2012	n-Hexane	1212437	20000	550	1600	800	ppbv	J-
VA2187	FD	12/5/2012	Toluene	1212437	37000	130	800	800	ppbv	J-

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code H		**Method EPA TO15**								
VA2191	REG	12/6/2012	1,1,1-Trichloroethane	1212437	ND	86	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,1,2,2-Tetrachloroethane	1212437	ND	170	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,1,2-Trichloro-1,2,2-trifluoroethane	1212437	ND	86	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,1,2-Trichloroethane	1212437	ND	160	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,1-Dichloroethane	1212437	ND	89	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,1-Dichloroethene	1212437	ND	78	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,2,4-Trichlorobenzene	1212437	ND	220	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,2,4-Trimethylbenzene	1212437	ND	200	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,2-Dibromoethane	1212437	ND	150	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,2-Dichlorobenzene	1212437	ND	170	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,2-Dichloroethane	1212437	ND	160	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,2-Dichloropropane	1212437	ND	180	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,3,5-Trimethylbenzene	1212437	ND	190	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,3-Butadiene	1212437	ND	120	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,3-Dichlorobenzene	1212437	ND	160	800	800	ppbv	UJ
VA2191	REG	12/6/2012	1,4-Dichlorobenzene	1212437	ND	160	800	800	ppbv	UJ
VA2191	REG	12/6/2012	2-Butanone	1212437	ND	230	800	800	ppbv	UJ
VA2191	REG	12/6/2012	2-Hexanone	1212437	ND	110	800	800	ppbv	UJ
VA2191	REG	12/6/2012	4-Methyl-2-pentanone	1212437	ND	130	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Acetone	1212437	1000	340	800	800	ppbv	J-
VA2191	REG	12/6/2012	Benzene	1212437	1700	100	800	800	ppbv	J-
VA2191	REG	12/6/2012	Benzyl chloride	1212437	ND	120	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Bromodichloromethane	1212437	ND	120	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Bromoform	1212437	ND	160	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Bromomethane	1212437	ND	60	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Carbon disulfide	1212437	ND	74	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Carbon tetrachloride	1212437	ND	91	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Chlorobenzene	1212437	ND	220	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Chlorodibromomethane	1212437	ND	130	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Chloroethane	1212437	ND	50	800	800	ppbv	UJ

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code H		**Method EPA TO15**								
VA2191	REG	12/6/2012	Chloroform	1212437	ND	100	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Chloromethane	1212437	ND	83	800	800	ppbv	UJ
VA2191	REG	12/6/2012	cis-1,2-Dichloroethene	1212437	ND	86	800	800	ppbv	UJ
VA2191	REG	12/6/2012	cis-1,3-dichloropropene	1212437	ND	130	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Cyclohexane	1212437	6600	550	1600	800	ppbv	J-
VA2191	REG	12/6/2012	Dichlorodifluoromethane	1212437	ND	69	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Ethyl acetate	1212437	ND	130	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Ethylbenzene	1212437	ND	590	1600	800	ppbv	UJ
VA2191	REG	12/6/2012	Heptane	1212437	4300	200	800	800	ppbv	J-
VA2191	REG	12/6/2012	Hexachlorobutadiene	1212437	ND	300	1600	800	ppbv	UJ
VA2191	REG	12/6/2012	m,p-Xylene	1212437	ND	420	1600	800	ppbv	UJ
VA2191	REG	12/6/2012	Methylene chloride	1212437	ND	1700	4000	800	ppbv	UJ
VA2191	REG	12/6/2012	Naphthalene	1212437	ND	200	800	800	ppbv	UJ
VA2191	REG	12/6/2012	n-Hexane	1212437	5300	550	1600	800	ppbv	J-
VA2191	REG	12/6/2012	o-Xylene	1212437	ND	210	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Propylene	1212437	ND	60	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Styrene	1212437	ND	210	800	800	ppbv	UJ
VA2191	REG	12/6/2012	tert-Butyl Methyl Ether	1212437	ND	180	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Tetrachloroethene	1212437	ND	120	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Tetrahydrofuran	1212437	ND	160	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Toluene	1212437	6100	130	800	800	ppbv	J-
VA2191	REG	12/6/2012	trans-1,2-Dichloroethene	1212437	ND	94	800	800	ppbv	UJ
VA2191	REG	12/6/2012	trans-1,3-dichloropropene	1212437	ND	140	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Trichloroethene	1212437	ND	95	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Trichlorofluoromethane	1212437	ND	120	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Vinyl acetate	1212437	ND	210	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Vinyl chloride	1212437	ND	58	800	800	ppbv	UJ
VA2191	REG	12/6/2012	Xylenes, Total	1212437	ND	630	2400	800	ppbv	UJ
VA2195	REG	12/6/2012	1,1,1-Trichloroethane	1212722	ND	86	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,1,2,2-Tetrachloroethane	1212722	ND	170	800	800	ppbv	UJ

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code H		**Method EPA TO15**								
VA2195	REG	12/6/2012	1,1,2-Trichloro-1,2,2-trifluoroethane	1212722	ND	86	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,1,2-Trichloroethane	1212722	ND	160	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,1-Dichloroethane	1212722	ND	89	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,1-Dichloroethene	1212722	ND	78	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,2,4-Trichlorobenzene	1212722	ND	220	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,2,4-Trimethylbenzene	1212722	ND	200	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,2-Dibromoethane	1212722	ND	150	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,2-Dichlorobenzene	1212722	ND	170	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,2-Dichloroethane	1212722	ND	160	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,2-Dichloropropane	1212722	ND	180	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,3,5-Trimethylbenzene	1212722	ND	190	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,3-Butadiene	1212722	ND	120	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,3-Dichlorobenzene	1212722	ND	160	800	800	ppbv	UJ
VA2195	REG	12/6/2012	1,4-Dichlorobenzene	1212722	ND	160	800	800	ppbv	UJ
VA2195	REG	12/6/2012	2-Butanone	1212722	ND	230	800	800	ppbv	UJ
VA2195	REG	12/6/2012	2-Hexanone	1212722	ND	110	800	800	ppbv	UJ
VA2195	REG	12/6/2012	4-Methyl-2-pentanone	1212722	ND	130	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Benzene	1212722	1800	100	800	800	ppbv	J-
VA2195	REG	12/6/2012	Benzyl chloride	1212722	ND	120	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Bromodichloromethane	1212722	ND	120	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Bromoform	1212722	ND	160	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Bromomethane	1212722	ND	60	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Carbon disulfide	1212722	ND	74	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Carbon tetrachloride	1212722	ND	91	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Chlorobenzene	1212722	ND	220	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Chlorodibromomethane	1212722	ND	130	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Chloroethane	1212722	ND	50	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Chloroform	1212722	ND	100	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Chloromethane	1212722	ND	83	800	800	ppbv	UJ
VA2195	REG	12/6/2012	cis-1,2-Dichloroethene	1212722	ND	86	800	800	ppbv	UJ

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code H		**Method EPA TO15**								
VA2195	REG	12/6/2012	cis-1,3-dichloropropene	1212722	ND	130	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Cyclohexane	1212722	3600	550	1600	800	ppbv	J-
VA2195	REG	12/6/2012	Dichlorodifluoromethane	1212722	ND	69	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Ethyl acetate	1212722	ND	130	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Ethylbenzene	1212722	ND	590	1600	800	ppbv	UJ
VA2195	REG	12/6/2012	Hexachlorobutadiene	1212722	ND	300	1600	800	ppbv	UJ
VA2195	REG	12/6/2012	m,p-Xylene	1212722	ND	420	1600	800	ppbv	UJ
VA2195	REG	12/6/2012	Naphthalene	1212722	ND	200	800	800	ppbv	UJ
VA2195	REG	12/6/2012	n-Hexane	1212722	2600	550	1600	800	ppbv	J-
VA2195	REG	12/6/2012	o-Xylene	1212722	ND	210	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Propylene	1212722	ND	60	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Styrene	1212722	ND	210	800	800	ppbv	UJ
VA2195	REG	12/6/2012	tert-Butyl Methyl Ether	1212722	ND	180	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Tetrachloroethene	1212722	ND	120	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Tetrahydrofuran	1212722	ND	160	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Toluene	1212722	5300	130	800	800	ppbv	J-
VA2195	REG	12/6/2012	trans-1,2-Dichloroethene	1212722	ND	94	800	800	ppbv	UJ
VA2195	REG	12/6/2012	trans-1,3-dichloropropene	1212722	ND	140	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Trichloroethene	1212722	ND	95	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Trichlorofluoromethane	1212722	ND	120	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Vinyl acetate	1212722	ND	210	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Vinyl chloride	1212722	ND	58	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Xylenes, Total	1212722	ND	630	2400	800	ppbv	UJ
VA2196	REG	12/6/2012	1,1,1-Trichloroethane	1212722	ND	43	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,1,2,2-Tetrachloroethane	1212722	ND	84	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,1,2-Trichloro-1,2,2-trifluoroethane	1212722	ND	43	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,1,2-Trichloroethane	1212722	ND	80	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,1-Dichloroethane	1212722	ND	44	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,1-Dichloroethene	1212722	ND	39	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,2,4-Trichlorobenzene	1212722	ND	110	400	400	ppbv	UJ

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code H		**Method EPA TO15**								
VA2196	REG	12/6/2012	1,2,4-Trimethylbenzene	1212722	ND	98	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,2-Dibromoethane	1212722	ND	74	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,2-Dichlorobenzene	1212722	ND	83	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,2-Dichloroethane	1212722	ND	78	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,2-Dichloropropane	1212722	ND	90	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,3,5-Trimethylbenzene	1212722	ND	96	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,3-Butadiene	1212722	ND	61	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,3-Dichlorobenzene	1212722	ND	81	400	400	ppbv	UJ
VA2196	REG	12/6/2012	1,4-Dichlorobenzene	1212722	ND	78	400	400	ppbv	UJ
VA2196	REG	12/6/2012	2-Butanone	1212722	ND	110	400	400	ppbv	UJ
VA2196	REG	12/6/2012	2-Hexanone	1212722	ND	54	400	400	ppbv	UJ
VA2196	REG	12/6/2012	4-Methyl-2-pentanone	1212722	ND	63	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Benzene	1212722	1000	50	400	400	ppbv	J-
VA2196	REG	12/6/2012	Benzyl chloride	1212722	ND	62	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Bromodichloromethane	1212722	ND	62	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Bromoform	1212722	ND	79	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Bromomethane	1212722	ND	30	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Carbon disulfide	1212722	ND	37	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Carbon tetrachloride	1212722	ND	46	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Chlorobenzene	1212722	ND	110	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Chlorodibromomethane	1212722	ND	66	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Chloroethane	1212722	ND	25	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Chloroform	1212722	ND	50	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Chloromethane	1212722	ND	42	400	400	ppbv	UJ
VA2196	REG	12/6/2012	cis-1,2-Dichloroethene	1212722	ND	43	400	400	ppbv	UJ
VA2196	REG	12/6/2012	cis-1,3-dichloropropene	1212722	ND	66	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Cyclohexane	1212722	1800	270	800	400	ppbv	J-
VA2196	REG	12/6/2012	Dichlorodifluoromethane	1212722	ND	34	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Ethyl acetate	1212722	ND	63	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Ethylbenzene	1212722	ND	290	800	400	ppbv	UJ

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code H		**Method EPA TO15**								
VA2196	REG	12/6/2012	Hexachlorobutadiene	1212722	ND	150	800	400	ppbv	UJ
VA2196	REG	12/6/2012	m,p-Xylene	1212722	ND	210	800	400	ppbv	UJ
VA2196	REG	12/6/2012	Naphthalene	1212722	ND	99	400	400	ppbv	UJ
VA2196	REG	12/6/2012	o-Xylene	1212722	ND	100	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Propylene	1212722	ND	30	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Styrene	1212722	ND	110	400	400	ppbv	UJ
VA2196	REG	12/6/2012	tert-Butyl Methyl Ether	1212722	ND	91	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Tetrachloroethene	1212722	ND	59	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Tetrahydrofuran	1212722	ND	80	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Toluene	1212722	3100	63	400	400	ppbv	J-
VA2196	REG	12/6/2012	trans-1,2-Dichloroethene	1212722	ND	47	400	400	ppbv	UJ
VA2196	REG	12/6/2012	trans-1,3-dichloropropene	1212722	ND	68	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Trichloroethene	1212722	ND	48	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Trichlorofluoromethane	1212722	ND	59	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Vinyl acetate	1212722	ND	110	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Vinyl chloride	1212722	ND	29	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Xylenes, Total	1212722	ND	310	1200	400	ppbv	UJ
Reason Code H		**Method MA APH**								
VA2134	REG	12/3/2012	C5-C8 Aliphatic Hydrocarbons	1212373	490000	24000	94000	800	ug/m3	J-
VA2134	REG	12/3/2012	C9-C10 Aromatic Hydrocarbons	1212373	ND	29000	110000	800	ug/m3	UJ
VA2134	REG	12/3/2012	C9-C12 Aliphatic Hydrocarbons	1212373	ND	21000	150000	800	ug/m3	UJ
VA2135	FD	12/3/2012	C5-C8 Aliphatic Hydrocarbons	1212373	280000	24000	94000	800	ug/m3	J-
VA2135	FD	12/3/2012	C9-C10 Aromatic Hydrocarbons	1212373	ND	29000	110000	800	ug/m3	UJ
VA2135	FD	12/3/2012	C9-C12 Aliphatic Hydrocarbons	1212373	ND	21000	150000	800	ug/m3	UJ
Reason Code HK3		**Method EPA TO15**								
VA2195	REG	12/6/2012	Acetone	1212722	2800	340	800	800	ppbv	UJ
VA2195	REG	12/6/2012	Heptane	1212722	4300	200	800	800	ppbv	UJ
VA2196	REG	12/6/2012	Acetone	1212722	2000	170	400	400	ppbv	UJ
VA2196	REG	12/6/2012	Heptane	1212722	2000	100	400	400	ppbv	UJ
VA2196	REG	12/6/2012	n-Hexane	1212722	1300	280	800	400	ppbv	UJ

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code HTr		**Method EPA TO15**								
VA2195	REG	12/6/2012	Methylene chloride	1212722	1800	1700	4000	800	ppbv	J-
VA2196	REG	12/6/2012	Methylene chloride	1212722	1700	830	2000	400	ppbv	J-
Reason Code K3		**Method EPA TO15**								
VA1953	REG	11/21/2012	Acetone	1211986	45	17	40	40	ppbv	U
VA1962	REG	12/11/2012	Acetone	1212722	4100	340	800	800	ppbv	U
VA1963	REG	12/11/2012	Acetone	1212722	2700	340	800	800	ppbv	U
VA1964	REG	12/11/2012	Acetone	1212722	3300	340	800	800	ppbv	U
VA1965	REG	12/11/2012	Acetone	1212722	50	17	40	40	ppbv	U
VA1965	REG	12/11/2012	Benzene	1212722	93	5	40	40	ppbv	U
VA1965	REG	12/11/2012	Cyclohexane	1212722	300	27	80	40	ppbv	U
VA1965	REG	12/11/2012	Heptane	1212722	500	10	40	40	ppbv	U
VA1965	REG	12/11/2012	n-Hexane	1212722	ND	28	80	40	ppbv	U
VA1965	REG	12/11/2012	Toluene	1212722	570	6.3	40	40	ppbv	U
VA1967	REG	12/11/2012	Acetone	1212722	5500	340	800	800	ppbv	U
VA1971	REG	12/13/2012	Acetone	1212722	720	170	400	400	ppbv	U
VA1971	REG	12/13/2012	Cyclohexane	1212722	2500	270	800	400	ppbv	U
VA1971	REG	12/13/2012	Heptane	1212722	4900	100	400	400	ppbv	U
VA1971	REG	12/13/2012	n-Hexane	1212722	920	280	800	400	ppbv	U
VA1973	REG	12/13/2012	Acetone	1212722	1700	340	800	800	ppbv	U
VA1992	REG	12/11/2012	Acetone	1212722	1500	340	800	800	ppbv	U
VA1993	REG	12/11/2012	Acetone	1212722	880	340	800	800	ppbv	U
VA1995	REG	12/11/2012	Cyclohexane	1212722	ND	550	1600	800	ppbv	U
VA1995	REG	12/11/2012	Heptane	1212722	1900	200	800	800	ppbv	U
VA1995	REG	12/11/2012	Toluene	1212722	2400	130	800	800	ppbv	U
VA2028	REG	11/26/2012	Acetone	1212185	6.2	1.7	4	4	ppbv	U
VA2029	REG	11/26/2012	Acetone	1212185	11	3.4	8	8	ppbv	U
VA2037	REG	11/15/2012	Acetone	1211986	6.8	1.7	4	4	ppbv	U
VA2037	REG	11/15/2012	Cyclohexane	1211986	12	2.7	8	4	ppbv	U
VA2037	REG	11/15/2012	Heptane	1211986	7.2	1	4	4	ppbv	U
VA2037	REG	11/15/2012	n-Hexane	1211986	11	2.8	8	4	ppbv	U
VA2037	REG	11/15/2012	Toluene	1211986	16	0.63	4	4	ppbv	U

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code K3		**Method EPA TO15**								
VA2038	REG	11/15/2012	Acetone	1211986	6	1.7	4	4	ppbv	U
VA2038	REG	11/15/2012	Cyclohexane	1211986	ND	2.7	8	4	ppbv	U
VA2038	REG	11/15/2012	Toluene	1211986	11	0.63	4	4	ppbv	U
VA2041	REG	11/15/2012	Acetone	1211986	5.5	1.7	4	4	ppbv	U
VA2041	REG	11/15/2012	Cyclohexane	1211986	10	2.7	8	4	ppbv	U
VA2041	REG	11/15/2012	Heptane	1211986	4.4	1	4	4	ppbv	U
VA2041	REG	11/15/2012	m,p-Xylene	1211986	ND	2.1	8	4	ppbv	U
VA2041	REG	11/15/2012	Toluene	1211986	8	0.63	4	4	ppbv	U
VA2041	REG	11/15/2012	Xylenes, Total	1211986	ND	3.1	12	4	ppbv	U
VA2042	REG	11/15/2012	Acetone	1211986	26	1.7	4	4	ppbv	U
VA2042	REG	11/15/2012	Benzene	1211986	9.8	0.5	4	4	ppbv	U
VA2042	REG	11/15/2012	Cyclohexane	1211986	40	2.7	8	4	ppbv	U
VA2042	REG	11/15/2012	Heptane	1211986	37	1	4	4	ppbv	U
VA2042	REG	11/15/2012	m,p-Xylene	1211986	ND	2.1	8	4	ppbv	U
VA2042	REG	11/15/2012	Methylene chloride	1211986	47	8.3	20	4	ppbv	U
VA2042	REG	11/15/2012	n-Hexane	1211986	29	2.8	8	4	ppbv	U
VA2042	REG	11/15/2012	Toluene	1211986	29	0.63	4	4	ppbv	U
VA2042	REG	11/15/2012	Xylenes, Total	1211986	ND	3.1	12	4	ppbv	U
VA2043	FD	11/15/2012	Acetone	1211986	10	1.7	4	4	ppbv	U
VA2043	FD	11/15/2012	Cyclohexane	1211986	13	2.7	8	4	ppbv	U
VA2043	FD	11/15/2012	Heptane	1211986	5.4	1	4	4	ppbv	U
VA2043	FD	11/15/2012	Methylene chloride	1211986	ND	8.3	20	4	ppbv	U
VA2043	FD	11/15/2012	Toluene	1211986	15	0.63	4	4	ppbv	U
VA2044	REG	11/15/2012	Acetone	1211986	5.8	1.7	4	4	ppbv	U
VA2044	REG	11/15/2012	Benzene	1211986	12	0.5	4	4	ppbv	U
VA2044	REG	11/15/2012	Cyclohexane	1211986	30	2.7	8	4	ppbv	U
VA2044	REG	11/15/2012	Heptane	1211986	5.1	1	4	4	ppbv	U
VA2044	REG	11/15/2012	n-Hexane	1211986	14	2.8	8	4	ppbv	U
VA2044	REG	11/15/2012	Toluene	1211986	32	0.63	4	4	ppbv	U
VA2045	REG	11/15/2012	Cyclohexane	1211986	ND	27	80	40	ppbv	U

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Environmental Samples										
Reason Code K3		**Method EPA TO15**								
VA2046	REG	11/15/2012	Acetone	1211986	11	1.7	4	4	ppbv	U
VA2046	REG	11/15/2012	Benzene	1211986	6.7	0.5	4	4	ppbv	U
VA2046	REG	11/15/2012	Cyclohexane	1211986	ND	2.7	8	4	ppbv	U
VA2046	REG	11/15/2012	Toluene	1211986	27	0.63	4	4	ppbv	U
VA2048	REG	12/11/2012	Cyclohexane	1212722	ND	270	800	400	ppbv	U
VA2048	REG	12/11/2012	Heptane	1212722	710	100	400	400	ppbv	U
VA2048	REG	12/11/2012	n-Hexane	1212722	ND	280	800	400	ppbv	U
VA2049	REG	12/11/2012	Cyclohexane	1212722	790	27	80	40	ppbv	U
VA2049	REG	12/11/2012	Heptane	1212722	890	10	40	40	ppbv	U
VA2049	REG	12/11/2012	n-Hexane	1212722	460	28	80	40	ppbv	U
VA2049	REG	12/11/2012	Toluene	1212722	1200	63	400	400	ppbv	U
VA2050	REG	12/11/2012	Cyclohexane	1212722	3300	550	1600	800	ppbv	U
VA2050	REG	12/11/2012	Heptane	1212722	1000	200	800	800	ppbv	U
VA2050	REG	12/11/2012	n-Hexane	1212722	ND	550	1600	800	ppbv	U
VA2051	REG	12/11/2012	Cyclohexane	1212722	880	270	800	400	ppbv	U
VA2051	REG	12/11/2012	Heptane	1212722	720	100	400	400	ppbv	U
VA2051	REG	12/11/2012	n-Hexane	1212722	ND	280	800	400	ppbv	U
VA2052	REG	12/11/2012	Acetone	1212722	420	170	400	400	ppbv	U
VA2052	REG	12/11/2012	Heptane	1212722	770	100	400	400	ppbv	U
VA2053	REG	12/11/2012	Heptane	1212722	3500	400	1600	1600	ppbv	U
VA2054	REG	12/12/2012	Acetone	1212722	510	170	400	400	ppbv	U
VA2054	REG	12/12/2012	Cyclohexane	1212722	1100	270	800	400	ppbv	U
VA2054	REG	12/12/2012	Heptane	1212722	920	100	400	400	ppbv	U
VA2054	REG	12/12/2012	n-Hexane	1212722	ND	280	800	400	ppbv	U
VA2054	REG	12/12/2012	Toluene	1212722	2400	63	400	400	ppbv	U
VA2055	REG	12/12/2012	Acetone	1212722	2200	170	400	400	ppbv	U
VA2055	REG	12/12/2012	Benzene	1212722	520	50	400	400	ppbv	U
VA2055	REG	12/12/2012	Cyclohexane	1212722	ND	270	800	400	ppbv	U
VA2055	REG	12/12/2012	Heptane	1212722	630	100	400	400	ppbv	U
VA2055	REG	12/12/2012	Toluene	1212722	1600	63	400	400	ppbv	U

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code K3		**Method EPA TO15**								
VA2056	REG	12/12/2012	Acetone	1212722	210	86	200	200	ppbv	U
VA2056	REG	12/12/2012	Cyclohexane	1212722	980	140	400	200	ppbv	U
VA2056	REG	12/12/2012	Heptane	1212722	920	50	200	200	ppbv	U
VA2056	REG	12/12/2012	n-Hexane	1212722	620	140	400	200	ppbv	U
VA2056	REG	12/12/2012	Toluene	1212722	2500	32	200	200	ppbv	U
VA2057	FD	12/12/2012	Benzene	1212722	480	25	200	200	ppbv	U
VA2057	FD	12/12/2012	Cyclohexane	1212722	770	140	400	200	ppbv	U
VA2057	FD	12/12/2012	Heptane	1212722	680	50	200	200	ppbv	U
VA2057	FD	12/12/2012	n-Hexane	1212722	460	140	400	200	ppbv	U
VA2057	FD	12/12/2012	Toluene	1212722	1700	32	200	200	ppbv	U
VA2059	REG	12/12/2012	Heptane	1212722	1800	200	800	800	ppbv	U
VA2074	REG	12/4/2012	Benzene	1212373	76	5	40	40	ppbv	U
VA2074	REG	12/4/2012	Cyclohexane	1212373	260	27	80	40	ppbv	U
VA2074	REG	12/4/2012	Heptane	1212373	63	10	40	40	ppbv	U
VA2074	REG	12/4/2012	n-Hexane	1212373	210	28	80	40	ppbv	U
VA2075	REG	12/4/2012	Benzene	1212373	76	5	40	40	ppbv	U
VA2075	REG	12/4/2012	Cyclohexane	1212373	230	27	80	40	ppbv	U
VA2075	REG	12/4/2012	Heptane	1212373	63	10	40	40	ppbv	U
VA2075	REG	12/4/2012	n-Hexane	1212373	210	28	80	40	ppbv	U
VA2076	REG	12/4/2012	Benzene	1212373	79	5	40	40	ppbv	U
VA2076	REG	12/4/2012	Cyclohexane	1212373	310	27	80	40	ppbv	U
VA2076	REG	12/4/2012	Heptane	1212373	100	10	40	40	ppbv	U
VA2076	REG	12/4/2012	n-Hexane	1212373	240	28	80	40	ppbv	U
VA2077	REG	12/4/2012	Benzene	1212373	69	5	40	40	ppbv	U
VA2077	REG	12/4/2012	Cyclohexane	1212373	300	27	80	40	ppbv	U
VA2077	REG	12/4/2012	Heptane	1212373	98	10	40	40	ppbv	U
VA2077	REG	12/4/2012	n-Hexane	1212373	220	28	80	40	ppbv	U
VA2080	REG	11/26/2012	Acetone	1212185	9.4	3.4	8	8	ppbv	U
VA2094	REG	12/11/2012	Benzene	1212722	360	5	40	40	ppbv	U
VA2094	REG	12/11/2012	Cyclohexane	1212722	790	27	80	40	ppbv	U

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code K3		**Method EPA TO15**								
VA2094	REG	12/11/2012	Heptane	1212722	910	10	40	40	ppbv	U
VA2094	REG	12/11/2012	n-Hexane	1212722	450	28	80	40	ppbv	U
VA2094	REG	12/11/2012	Toluene	1212722	1100	6.3	40	40	ppbv	U
VA2095	REG	12/11/2012	Benzene	1212722	380	5	40	40	ppbv	U
VA2095	REG	12/11/2012	Cyclohexane	1212722	850	27	80	40	ppbv	U
VA2095	REG	12/11/2012	Heptane	1212722	970	10	40	40	ppbv	U
VA2095	REG	12/11/2012	n-Hexane	1212722	470	28	80	40	ppbv	U
VA2095	REG	12/11/2012	Toluene	1212722	1300	6.3	40	40	ppbv	U
VA2096	REG	12/11/2012	Benzene	1212722	580	5	40	40	ppbv	U
VA2096	REG	12/11/2012	Cyclohexane	1212722	910	27	80	40	ppbv	U
VA2096	REG	12/11/2012	Heptane	1212722	920	10	40	40	ppbv	U
VA2096	REG	12/11/2012	n-Hexane	1212722	460	28	80	40	ppbv	U
VA2096	REG	12/11/2012	Toluene	1212722	1200	6.3	40	40	ppbv	U
VA2097	REG	12/11/2012	Acetone	1212722	1600	340	800	800	ppbv	U
VA2097	REG	12/11/2012	Heptane	1212722	1800	200	800	800	ppbv	U
VA2098	REG	12/11/2012	Acetone	1212722	1600	170	400	400	ppbv	U
VA2098	REG	12/11/2012	Cyclohexane	1212722	1500	270	800	400	ppbv	U
VA2098	REG	12/11/2012	Heptane	1212722	1000	100	400	400	ppbv	U
VA2098	REG	12/11/2012	n-Hexane	1212722	1400	280	800	400	ppbv	U
VA2099	REG	12/11/2012	Acetone	1212722	2000	170	400	400	ppbv	U
VA2099	REG	12/11/2012	Cyclohexane	1212722	2100	270	800	400	ppbv	U
VA2099	REG	12/11/2012	Heptane	1212722	1600	100	400	400	ppbv	U
VA2099	REG	12/11/2012	n-Hexane	1212722	1300	280	800	400	ppbv	U
VA2104	REG	12/12/2012	Heptane	1212722	4700	400	1600	1600	ppbv	U
VA2106	REG	12/12/2012	Acetone	1212722	1300	340	800	800	ppbv	U
VA2128	REG	11/29/2012	Benzene	1212373	110	5	40	40	ppbv	U
VA2128	REG	11/29/2012	Cyclohexane	1212373	180	27	80	40	ppbv	U
VA2128	REG	11/29/2012	Heptane	1212373	57	10	40	40	ppbv	U
VA2128	REG	11/29/2012	m,p-Xylene	1212373	ND	21	80	40	ppbv	U
VA2128	REG	11/29/2012	n-Hexane	1212373	110	28	80	40	ppbv	U

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code K3		**Method EPA TO15**								
VA2128	REG	11/29/2012	Xylenes, Total	1212373	ND	31	120	40	ppbv	U
VA2129	REG	11/29/2012	Benzene	1212373	90	5	40	40	ppbv	U
VA2129	REG	11/29/2012	Cyclohexane	1212373	140	27	80	40	ppbv	U
VA2129	REG	11/29/2012	Heptane	1212373	46	10	40	40	ppbv	U
VA2129	REG	11/29/2012	m,p-Xylene	1212373	ND	21	80	40	ppbv	U
VA2129	REG	11/29/2012	n-Hexane	1212373	85	28	80	40	ppbv	U
VA2129	REG	11/29/2012	Xylenes, Total	1212373	ND	31	120	40	ppbv	U
VA2130	REG	11/29/2012	Benzene	1212373	84	5	40	40	ppbv	U
VA2130	REG	11/29/2012	Cyclohexane	1212373	140	27	80	40	ppbv	U
VA2130	REG	11/29/2012	Heptane	1212373	47	10	40	40	ppbv	U
VA2130	REG	11/29/2012	n-Hexane	1212373	90	28	80	40	ppbv	U
VA2131	REG	11/29/2012	Benzene	1212373	59	5	40	40	ppbv	U
VA2131	REG	11/29/2012	Cyclohexane	1212373	90	27	80	40	ppbv	U
VA2131	REG	11/29/2012	n-Hexane	1212373	ND	28	80	40	ppbv	U
VA2131	REG	11/29/2012	Toluene	1212373	190	6.3	40	40	ppbv	U
VA2134	REG	12/3/2012	Heptane	1212373	210	10	40	40	ppbv	U
VA2136	REG	12/3/2012	Heptane	1212373	190	10	40	40	ppbv	U
VA2137	REG	12/3/2012	Heptane	1212373	190	10	40	40	ppbv	U
VA2142	REG	11/20/2012	Cyclohexane	1211986	ND	27	80	40	ppbv	U
VA2143	REG	11/20/2012	Benzene	1211986	18	1	8	8	ppbv	U
VA2143	REG	11/20/2012	Cyclohexane	1211986	36	5.5	16	8	ppbv	U
VA2143	REG	11/20/2012	n-Hexane	1211986	22	5.5	16	8	ppbv	U
VA2144	REG	11/20/2012	Cyclohexane	1211986	95	27	80	40	ppbv	U
VA2144	REG	11/20/2012	n-Hexane	1211986	ND	28	80	40	ppbv	U
VA2153	REG	12/3/2012	Heptane	1212373	180	10	40	40	ppbv	U
VA2154	REG	12/3/2012	Heptane	1212373	150	10	40	40	ppbv	U
VA2155	REG	12/3/2012	Cyclohexane	1212373	380	27	80	40	ppbv	U
VA2155	REG	12/3/2012	Heptane	1212373	120	10	40	40	ppbv	U
VA2155	REG	12/3/2012	n-Hexane	1212373	350	28	80	40	ppbv	U
VA2156	REG	12/3/2012	Benzene	1212373	130	5	40	40	ppbv	U

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code K3		**Method EPA TO15**								
VA2156	REG	12/3/2012	Cyclohexane	1212373	270	27	80	40	ppbv	U
VA2156	REG	12/3/2012	Heptane	1212373	88	10	40	40	ppbv	U
VA2156	REG	12/3/2012	m,p-Xylene	1212373	ND	21	80	40	ppbv	U
VA2156	REG	12/3/2012	n-Hexane	1212373	230	28	80	40	ppbv	U
VA2166	REG	12/13/2012	Acetone	1212722	960	170	400	400	ppbv	U
VA2166	REG	12/13/2012	Cyclohexane	1212722	960	270	800	400	ppbv	U
VA2166	REG	12/13/2012	Heptane	1212722	1100	100	400	400	ppbv	U
VA2166	REG	12/13/2012	n-Hexane	1212722	920	280	800	400	ppbv	U
VA2167	REG	12/13/2012	Acetone	1212722	360	86	200	200	ppbv	U
VA2167	REG	12/13/2012	Cyclohexane	1212722	960	140	400	200	ppbv	U
VA2167	REG	12/13/2012	Heptane	1212722	1100	50	200	200	ppbv	U
VA2167	REG	12/13/2012	n-Hexane	1212722	790	140	400	200	ppbv	U
VA2168	REG	12/13/2012	Acetone	1212722	ND	86	200	200	ppbv	U
VA2168	REG	12/13/2012	Cyclohexane	1212722	580	140	400	200	ppbv	U
VA2168	REG	12/13/2012	Heptane	1212722	670	50	200	200	ppbv	U
VA2168	REG	12/13/2012	n-Hexane	1212722	440	140	400	200	ppbv	U
VA2168	REG	12/13/2012	Toluene	1212722	2500	32	200	200	ppbv	U
VA2169	REG	12/13/2012	Heptane	1212722	1400	200	800	800	ppbv	U
VA2170	REG	12/13/2012	Heptane	1212722	1500	200	800	800	ppbv	U
VA2197	REG	12/10/2012	Cyclohexane	1212722	3600	270	800	400	ppbv	U
VA2197	REG	12/10/2012	Heptane	1212722	4400	100	400	400	ppbv	U
VA2198	REG	12/10/2012	Cyclohexane	1212722	4200	270	800	400	ppbv	U
VA2199	FD	12/10/2012	Acetone	1212722	2700	170	400	400	ppbv	U
VA2199	FD	12/10/2012	Benzene	1212722	470	50	400	400	ppbv	U
VA2199	FD	12/10/2012	Cyclohexane	1212722	1000	270	800	400	ppbv	U
VA2199	FD	12/10/2012	Heptane	1212722	1100	100	400	400	ppbv	U
VA2199	FD	12/10/2012	n-Hexane	1212722	ND	280	800	400	ppbv	U
VA2199	FD	12/10/2012	Toluene	1212722	1500	63	400	400	ppbv	U
VA2200	REG	12/10/2012	Benzene	1212722	340	5	40	40	ppbv	U
VA2200	REG	12/10/2012	Cyclohexane	1212722	610	27	80	40	ppbv	U

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code K3		**Method EPA TO15**								
VA2200	REG	12/10/2012	Heptane	1212722	730	10	40	40	ppbv	U
VA2200	REG	12/10/2012	n-Hexane	1212722	380	28	80	40	ppbv	U
VA2200	REG	12/10/2012	Toluene	1212722	1200	6.3	40	40	ppbv	U
VA2202	REG	12/10/2012	Benzene	1212722	400	5	40	40	ppbv	U
VA2202	REG	12/10/2012	Cyclohexane	1212722	800	27	80	40	ppbv	U
VA2202	REG	12/10/2012	Heptane	1212722	940	10	40	40	ppbv	U
VA2202	REG	12/10/2012	n-Hexane	1212722	490	28	80	40	ppbv	U
VA2202	REG	12/10/2012	Toluene	1212722	1300	6.3	40	40	ppbv	U
VA2203	REG	12/10/2012	Acetone	1212722	1500	170	400	400	ppbv	U
VA2203	REG	12/10/2012	Benzene	1212722	410	50	400	400	ppbv	U
VA2203	REG	12/10/2012	Cyclohexane	1212722	870	270	800	400	ppbv	U
VA2203	REG	12/10/2012	Heptane	1212722	830	100	400	400	ppbv	U
VA2203	REG	12/10/2012	n-Hexane	1212722	ND	280	800	400	ppbv	U
VA2203	REG	12/10/2012	Toluene	1212722	1300	63	400	400	ppbv	U
VA2204	REG	12/10/2012	Acetone	1212722	2000	340	800	800	ppbv	U
VA2204	REG	12/10/2012	Cyclohexane	1212722	2100	550	1600	800	ppbv	U
VA2204	REG	12/10/2012	Heptane	1212722	930	200	800	800	ppbv	U
VA2232	REG	12/10/2012	Benzene	1212722	280	5	40	40	ppbv	U
VA2232	REG	12/10/2012	Cyclohexane	1212722	490	27	80	40	ppbv	U
VA2232	REG	12/10/2012	Heptane	1212722	570	10	40	40	ppbv	U
VA2232	REG	12/10/2012	n-Hexane	1212722	280	28	80	40	ppbv	U
VA2232	REG	12/10/2012	Toluene	1212722	1100	6.3	40	40	ppbv	U
VA2233	REG	12/10/2012	Benzene	1212722	220	5	40	40	ppbv	U
VA2233	REG	12/10/2012	Cyclohexane	1212722	390	27	80	40	ppbv	U
VA2233	REG	12/10/2012	Heptane	1212722	430	10	40	40	ppbv	U
VA2233	REG	12/10/2012	n-Hexane	1212722	230	28	80	40	ppbv	U
VA2233	REG	12/10/2012	Toluene	1212722	780	6.3	40	40	ppbv	U
VA2234	REG	12/10/2012	Benzene	1212722	170	5	40	40	ppbv	U
VA2234	REG	12/10/2012	Cyclohexane	1212722	290	27	80	40	ppbv	U
VA2234	REG	12/10/2012	Heptane	1212722	320	10	40	40	ppbv	U

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code K3		**Method EPA TO15**								
VA2234	REG	12/10/2012	n-Hexane	1212722	170	28	80	40	ppbv	U
VA2234	REG	12/10/2012	Toluene	1212722	600	6.3	40	40	ppbv	U
VA2235	REG	12/10/2012	Cyclohexane	1212722	270	27	80	40	ppbv	U
VA2235	REG	12/10/2012	Heptane	1212722	280	10	40	40	ppbv	U
VA2235	REG	12/10/2012	m,p-Xylene	1212722	ND	21	80	40	ppbv	U
VA2235	REG	12/10/2012	n-Hexane	1212722	150	28	80	40	ppbv	U
VA2235	REG	12/10/2012	Toluene	1212722	1200	6.3	40	40	ppbv	U
VA2235	REG	12/10/2012	Xylenes, Total	1212722	ND	31	120	40	ppbv	U
VA2236	FD	12/10/2012	Cyclohexane	1212722	380	27	80	40	ppbv	U
VA2236	FD	12/10/2012	Heptane	1212722	390	10	40	40	ppbv	U
VA2236	FD	12/10/2012	n-Hexane	1212722	200	28	80	40	ppbv	U
VA2236	FD	12/10/2012	Toluene	1212722	1400	6.3	40	40	ppbv	U
VA2237	REG	12/10/2012	Benzene	1212722	310	5	40	40	ppbv	U
VA2237	REG	12/10/2012	Cyclohexane	1212722	260	27	80	40	ppbv	U
VA2237	REG	12/10/2012	Heptane	1212722	280	10	40	40	ppbv	U
VA2237	REG	12/10/2012	m,p-Xylene	1212722	ND	21	80	40	ppbv	U
VA2237	REG	12/10/2012	n-Hexane	1212722	150	28	80	40	ppbv	U
VA2237	REG	12/10/2012	Toluene	1212722	570	6.3	40	40	ppbv	U
VA2237	REG	12/10/2012	Xylenes, Total	1212722	ND	31	120	40	ppbv	U
VA2238	REG	12/11/2012	Benzene	1212722	330	5	40	40	ppbv	U
VA2238	REG	12/11/2012	Cyclohexane	1212722	550	27	80	40	ppbv	U
VA2238	REG	12/11/2012	Heptane	1212722	670	10	40	40	ppbv	U
VA2238	REG	12/11/2012	n-Hexane	1212722	370	28	80	40	ppbv	U
VA2238	REG	12/11/2012	Toluene	1212722	1000	6.3	40	40	ppbv	U
VA2239	REG	12/12/2012	Benzene	1212722	210	5	40	40	ppbv	U
VA2239	REG	12/12/2012	Cyclohexane	1212722	170	27	80	40	ppbv	U
VA2239	REG	12/12/2012	Heptane	1212722	190	10	40	40	ppbv	U
VA2239	REG	12/12/2012	n-Hexane	1212722	130	28	80	40	ppbv	U
VA2239	REG	12/12/2012	Toluene	1212722	610	6.3	40	40	ppbv	U
VA2240	REG	12/12/2012	Benzene	1212722	260	5	40	40	ppbv	U

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code K3		**Method EPA TO15**								
VA2240	REG	12/12/2012	Cyclohexane	1212722	230	27	80	40	ppbv	U
VA2240	REG	12/12/2012	Heptane	1212722	260	10	40	40	ppbv	U
VA2240	REG	12/12/2012	m,p-Xylene	1212722	ND	21	80	40	ppbv	U
VA2240	REG	12/12/2012	n-Hexane	1212722	160	28	80	40	ppbv	U
VA2240	REG	12/12/2012	Toluene	1212722	980	6.3	40	40	ppbv	U
VA2240	REG	12/12/2012	Xylenes, Total	1212722	ND	31	120	40	ppbv	U
VA2241	REG	12/12/2012	Benzene	1212722	280	5	40	40	ppbv	U
VA2241	REG	12/12/2012	Cyclohexane	1212722	250	27	80	40	ppbv	U
VA2241	REG	12/12/2012	Heptane	1212722	280	10	40	40	ppbv	U
VA2241	REG	12/12/2012	m,p-Xylene	1212722	ND	21	80	40	ppbv	U
VA2241	REG	12/12/2012	n-Hexane	1212722	170	28	80	40	ppbv	U
VA2241	REG	12/12/2012	Toluene	1212722	1000	6.3	40	40	ppbv	U
VA2241	REG	12/12/2012	Xylenes, Total	1212722	ND	31	120	40	ppbv	U
VA2242	REG	12/12/2012	Benzene	1212722	270	5	40	40	ppbv	U
VA2242	REG	12/12/2012	Cyclohexane	1212722	270	27	80	40	ppbv	U
VA2242	REG	12/12/2012	Heptane	1212722	290	10	40	40	ppbv	U
VA2242	REG	12/12/2012	m,p-Xylene	1212722	ND	21	80	40	ppbv	U
VA2242	REG	12/12/2012	n-Hexane	1212722	170	28	80	40	ppbv	U
VA2242	REG	12/12/2012	Toluene	1212722	1000	6.3	40	40	ppbv	U
VA2242	REG	12/12/2012	Xylenes, Total	1212722	ND	31	120	40	ppbv	U
VA2243	REG	12/12/2012	Acetone	1212722	1400	340	800	800	ppbv	U
VA2243	REG	12/12/2012	Heptane	1212722	3200	200	800	800	ppbv	U
VA2244	REG	12/12/2012	Cyclohexane	1212722	ND	550	1600	800	ppbv	U
VA2244	REG	12/12/2012	n-Hexane	1212722	ND	550	1600	800	ppbv	U
VA2252	REG	12/12/2012	Acetone	1212722	960	340	800	800	ppbv	U
VA2252	REG	12/12/2012	Cyclohexane	1212722	3700	550	1600	800	ppbv	U
VA2252	REG	12/12/2012	n-Hexane	1212722	ND	550	1600	800	ppbv	U
VA2253	REG	12/12/2012	Acetone	1212722	2000	170	400	400	ppbv	U
VA2253	REG	12/12/2012	n-Hexane	1212722	1400	280	800	400	ppbv	U
VA2254	REG	12/12/2012	Acetone	1212722	860	170	400	400	ppbv	U

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code K3		**Method EPA TO15**								
VA2254	REG	12/12/2012	Cyclohexane	1212722	3900	270	800	400	ppbv	U
VA2254	REG	12/12/2012	Heptane	1212722	4900	100	400	400	ppbv	U
VA2255	REG	12/12/2012	Acetone	1212722	510	170	400	400	ppbv	U
VA2255	REG	12/12/2012	Cyclohexane	1212722	4100	270	800	400	ppbv	U
VA2255	REG	12/12/2012	n-Hexane	1212722	1200	280	800	400	ppbv	U
VA2256	REG	12/12/2012	Acetone	1212722	1100	340	800	800	ppbv	U
Reason Code K3S		**Method EPA TO15**								
VA2206	REG	12/3/2012	Acetone	1212373	96	17	40	40	ppbv	UJ
VA2207	REG	12/3/2012	Acetone	1212373	54	17	40	40	ppbv	UJ
VA2208	REG	12/3/2012	Acetone	1212373	47	17	40	40	ppbv	UJ
VA2209	FD	12/3/2012	Acetone	1212373	67	17	40	40	ppbv	UJ
Reason Code S		**Method EPA TO15**								
VA1986	REG	11/26/2012	1,2-Dibromoethane	1212185	1800	150	800	800	ppbv	J+
VA1986	REG	11/26/2012	2-Butanone	1212185	230000	5700	20000	20000	ppbv	J+
VA1986	REG	11/26/2012	2-Hexanone	1212185	3600	110	800	800	ppbv	J+
VA1986	REG	11/26/2012	4-Methyl-2-pentanone	1212185	4500	130	800	800	ppbv	J+
VA1986	REG	11/26/2012	Acetone	1212185	730000	8600	20000	20000	ppbv	J+
VA1986	REG	11/26/2012	Benzene	1212185	520000	2500	20000	20000	ppbv	J+
VA1986	REG	11/26/2012	Cyclohexane	1212185	2500000	55000	160000	80000	ppbv	J+
VA1986	REG	11/26/2012	Ethylbenzene	1212185	14000	590	1600	800	ppbv	J+
VA1986	REG	11/26/2012	Heptane	1212185	580000	5000	20000	20000	ppbv	J+
VA1986	REG	11/26/2012	m,p-Xylene	1212185	26000	420	1600	800	ppbv	J+
VA1986	REG	11/26/2012	n-Hexane	1212185	2000000	55000	160000	80000	ppbv	J+
VA1986	REG	11/26/2012	o-Xylene	1212185	7700	210	800	800	ppbv	J+
VA1986	REG	11/26/2012	Propylene	1212185	5100	60	800	800	ppbv	J+
VA1986	REG	11/26/2012	Toluene	1212185	730000	3200	20000	20000	ppbv	J+
VA1986	REG	11/26/2012	Xylenes, Total	1212185	33000	630	2400	800	ppbv	J+
VA2067	REG	11/27/2012	1,2,4-Trimethylbenzene	1212185	170	9.8	40	40	ppbv	J+
VA2067	REG	11/27/2012	1,2-Dibromoethane	1212185	170	7.4	40	40	ppbv	J+
VA2067	REG	11/27/2012	1,3,5-Trimethylbenzene	1212185	100	9.6	40	40	ppbv	J+
VA2067	REG	11/27/2012	2-Butanone	1212185	820	11	40	40	ppbv	J+

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code S		**Method EPA TO15**								
VA2067	REG	11/27/2012	2-Hexanone	1212185	190	5.4	40	40	ppbv	J+
VA2067	REG	11/27/2012	4-Methyl-2-pentanone	1212185	140	6.3	40	40	ppbv	J+
VA2067	REG	11/27/2012	Acetone	1212185	580	17	40	40	ppbv	J+
VA2067	REG	11/27/2012	Benzene	1212185	8500	50	400	400	ppbv	J+
VA2067	REG	11/27/2012	Cyclohexane	1212185	16000	270	800	400	ppbv	J+
VA2067	REG	11/27/2012	Ethylbenzene	1212185	1800	29	80	40	ppbv	J+
VA2067	REG	11/27/2012	Heptane	1212185	13000	100	400	400	ppbv	J+
VA2067	REG	11/27/2012	m,p-Xylene	1212185	3300	21	80	40	ppbv	J+
VA2067	REG	11/27/2012	n-Hexane	1212185	12000	280	800	400	ppbv	J+
VA2067	REG	11/27/2012	o-Xylene	1212185	1300	10	40	40	ppbv	J+
VA2067	REG	11/27/2012	Toluene	1212185	33000	130	800	800	ppbv	J+
VA2067	REG	11/27/2012	Xylenes, Total	1212185	4600	31	120	40	ppbv	J+
VA2068	REG	11/27/2012	1,2,4-Trimethylbenzene	1212185	260	9.8	40	40	ppbv	J+
VA2068	REG	11/27/2012	1,2-Dibromoethane	1212185	190	7.4	40	40	ppbv	J+
VA2068	REG	11/27/2012	1,3,5-Trimethylbenzene	1212185	150	9.6	40	40	ppbv	J+
VA2068	REG	11/27/2012	2-Butanone	1212185	660	11	40	40	ppbv	J+
VA2068	REG	11/27/2012	2-Hexanone	1212185	200	5.4	40	40	ppbv	J+
VA2068	REG	11/27/2012	4-Methyl-2-pentanone	1212185	130	6.3	40	40	ppbv	J+
VA2068	REG	11/27/2012	Acetone	1212185	430	17	40	40	ppbv	J+
VA2068	REG	11/27/2012	Benzene	1212185	6600	50	400	400	ppbv	J+
VA2068	REG	11/27/2012	Cyclohexane	1212185	13000	270	800	400	ppbv	J+
VA2068	REG	11/27/2012	Ethylbenzene	1212185	1900	290	800	400	ppbv	J+
VA2068	REG	11/27/2012	Heptane	1212185	12000	100	400	400	ppbv	J+
VA2068	REG	11/27/2012	m,p-Xylene	1212185	3600	21	80	40	ppbv	J+
VA2068	REG	11/27/2012	n-Hexane	1212185	8900	280	800	400	ppbv	J+
VA2068	REG	11/27/2012	o-Xylene	1212185	1600	10	40	40	ppbv	J+
VA2068	REG	11/27/2012	Toluene	1212185	25000	130	800	800	ppbv	J+
VA2068	REG	11/27/2012	Xylenes, Total	1212185	5200	31	120	40	ppbv	J+
VA2069	REG	11/27/2012	1,2,4-Trimethylbenzene	1212185	190	9.8	40	40	ppbv	J+
VA2069	REG	11/27/2012	1,2-Dibromoethane	1212185	120	7.4	40	40	ppbv	J+

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Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code S		**Method EPA TO15**								
VA2069	REG	11/27/2012	1,3,5-Trimethylbenzene	1212185	100	9.6	40	40	ppbv	J+
VA2069	REG	11/27/2012	2-Butanone	1212185	520	11	40	40	ppbv	J+
VA2069	REG	11/27/2012	Acetone	1212185	430	17	40	40	ppbv	J+
VA2069	REG	11/27/2012	Benzene	1212185	6800	100	800	800	ppbv	J+
VA2069	REG	11/27/2012	Cyclohexane	1212185	17000	550	1600	800	ppbv	J+
VA2069	REG	11/27/2012	Ethylbenzene	1212185	1400	29	80	40	ppbv	J+
VA2069	REG	11/27/2012	Heptane	1212185	20000	200	800	800	ppbv	J+
VA2069	REG	11/27/2012	m,p-Xylene	1212185	2800	21	80	40	ppbv	J+
VA2069	REG	11/27/2012	n-Hexane	1212185	13000	550	1600	800	ppbv	J+
VA2069	REG	11/27/2012	o-Xylene	1212185	1000	10	40	40	ppbv	J+
VA2069	REG	11/27/2012	Toluene	1212185	28000	130	800	800	ppbv	J+
VA2069	REG	11/27/2012	Xylenes, Total	1212185	3800	31	120	40	ppbv	J+
VA2070	FD	11/27/2012	1,2,4-Trimethylbenzene	1212185	110	9.8	40	40	ppbv	J+
VA2070	FD	11/27/2012	1,2-Dibromoethane	1212185	75	7.4	40	40	ppbv	J+
VA2070	FD	11/27/2012	1,3,5-Trimethylbenzene	1212185	59	9.6	40	40	ppbv	J+
VA2070	FD	11/27/2012	2-Butanone	1212185	680	11	40	40	ppbv	J+
VA2070	FD	11/27/2012	Acetone	1212185	490	17	40	40	ppbv	J+
VA2070	FD	11/27/2012	Benzene	1212185	3800	100	800	800	ppbv	J+
VA2070	FD	11/27/2012	Cyclohexane	1212185	12000	550	1600	800	ppbv	J+
VA2070	FD	11/27/2012	Ethylbenzene	1212185	950	29	80	40	ppbv	J+
VA2070	FD	11/27/2012	Heptane	1212185	13000	200	800	800	ppbv	J+
VA2070	FD	11/27/2012	m,p-Xylene	1212185	1900	21	80	40	ppbv	J+
VA2070	FD	11/27/2012	n-Hexane	1212185	6300	550	1600	800	ppbv	J+
VA2070	FD	11/27/2012	o-Xylene	1212185	660	10	40	40	ppbv	J+
VA2070	FD	11/27/2012	Toluene	1212185	14000	130	800	800	ppbv	J+
VA2070	FD	11/27/2012	Xylenes, Total	1212185	2600	31	120	40	ppbv	J+
VA2087	REG	11/28/2012	1,2,4-Trimethylbenzene	1212185	730	9.8	40	40	ppbv	J+
VA2087	REG	11/28/2012	1,2-Dibromoethane	1212185	250	7.4	40	40	ppbv	J+
VA2087	REG	11/28/2012	1,3,5-Trimethylbenzene	1212185	350	9.6	40	40	ppbv	J+
VA2087	REG	11/28/2012	2-Butanone	1212185	660	11	40	40	ppbv	J+

Appendix B3 - Table 3
Qualified Data Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code S		**Method EPA TO15**								
VA2087	REG	11/28/2012	4-Methyl-2-pentanone	1212185	140	6.3	40	40	ppbv	J+
VA2087	REG	11/28/2012	Acetone	1212185	570	17	40	40	ppbv	J+
VA2087	REG	11/28/2012	Benzene	1212185	13000	100	800	800	ppbv	J+
VA2087	REG	11/28/2012	Cyclohexane	1212185	24000	550	1600	800	ppbv	J+
VA2087	REG	11/28/2012	Ethylbenzene	1212185	4400	590	1600	800	ppbv	J+
VA2087	REG	11/28/2012	Heptane	1212185	19000	200	800	800	ppbv	J+
VA2087	REG	11/28/2012	m,p-Xylene	1212185	9800	420	1600	800	ppbv	J+
VA2087	REG	11/28/2012	n-Hexane	1212185	24000	550	1600	800	ppbv	J+
VA2087	REG	11/28/2012	o-Xylene	1212185	3000	210	800	800	ppbv	J+
VA2087	REG	11/28/2012	Toluene	1212185	36000	130	800	800	ppbv	J+
VA2087	REG	11/28/2012	Xylenes, Total	1212185	13000	630	2400	800	ppbv	J+
VA2088	REG	11/28/2012	1,2,4-Trimethylbenzene	1212185	430	9.8	40	40	ppbv	J+
VA2088	REG	11/28/2012	1,2-Dibromoethane	1212185	130	7.4	40	40	ppbv	J+
VA2088	REG	11/28/2012	1,3,5-Trimethylbenzene	1212185	210	9.6	40	40	ppbv	J+
VA2088	REG	11/28/2012	2-Butanone	1212185	310	11	40	40	ppbv	J+
VA2088	REG	11/28/2012	2-Hexanone	1212185	110	5.4	40	40	ppbv	J+
VA2088	REG	11/28/2012	4-Methyl-2-pentanone	1212185	56	6.3	40	40	ppbv	J+
VA2088	REG	11/28/2012	Acetone	1212185	200	17	40	40	ppbv	J+
VA2088	REG	11/28/2012	Benzene	1212185	4000	100	800	800	ppbv	J+
VA2088	REG	11/28/2012	Bromodichloromethane	1212185	98	6.2	40	40	ppbv	J+
VA2088	REG	11/28/2012	Cyclohexane	1212185	7200	550	1600	800	ppbv	J+
VA2088	REG	11/28/2012	Ethylbenzene	1212185	1800	29	80	40	ppbv	J+
VA2088	REG	11/28/2012	Heptane	1212185	7700	200	800	800	ppbv	J+
VA2088	REG	11/28/2012	m,p-Xylene	1212185	3400	21	80	40	ppbv	J+
VA2088	REG	11/28/2012	n-Hexane	1212185	16000	550	1600	800	ppbv	J+
VA2088	REG	11/28/2012	o-Xylene	1212185	1400	10	40	40	ppbv	J+
VA2088	REG	11/28/2012	Toluene	1212185	15000	130	800	800	ppbv	J+
VA2088	REG	11/28/2012	Xylenes, Total	1212185	4800	31	120	40	ppbv	J+
VA2089	REG	11/28/2012	1,2,4-Trimethylbenzene	1212185	510	9.8	40	40	ppbv	J+
VA2089	REG	11/28/2012	1,2-Dibromoethane	1212185	150	7.4	40	40	ppbv	J+

Appendix B3 - Table 3
Qualified Data Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code S		**Method EPA TO15**								
VA2089	REG	11/28/2012	1,3,5-Trimethylbenzene	1212185	240	9.6	40	40	ppbv	J+
VA2089	REG	11/28/2012	2-Butanone	1212185	350	11	40	40	ppbv	J+
VA2089	REG	11/28/2012	2-Hexanone	1212185	130	5.4	40	40	ppbv	J+
VA2089	REG	11/28/2012	4-Methyl-2-pentanone	1212185	70	6.3	40	40	ppbv	J+
VA2089	REG	11/28/2012	Acetone	1212185	230	17	40	40	ppbv	J+
VA2089	REG	11/28/2012	Benzene	1212185	8700	1000	8000	8000	ppbv	J+
VA2089	REG	11/28/2012	Cyclohexane	1212185	7000	550	1600	800	ppbv	J+
VA2089	REG	11/28/2012	Ethylbenzene	1212185	2000	29	80	40	ppbv	J+
VA2089	REG	11/28/2012	Heptane	1212185	15000	2000	8000	8000	ppbv	J+
VA2089	REG	11/28/2012	m,p-Xylene	1212185	3600	21	80	40	ppbv	J+
VA2089	REG	11/28/2012	n-Hexane	1212185	12000	550	1600	800	ppbv	J+
VA2089	REG	11/28/2012	o-Xylene	1212185	1600	10	40	40	ppbv	J+
VA2089	REG	11/28/2012	Toluene	1212185	35000	1300	8000	8000	ppbv	J+
VA2089	REG	11/28/2012	Xylenes, Total	1212185	5300	31	120	40	ppbv	J+
VA2090	REG	11/29/2012	1,2,4-Trimethylbenzene	1212373	530	9.8	40	40	ppbv	J+
VA2090	REG	11/29/2012	1,2-Dibromoethane	1212373	250	7.4	40	40	ppbv	J+
VA2090	REG	11/29/2012	1,3,5-Trimethylbenzene	1212373	280	9.6	40	40	ppbv	J+
VA2090	REG	11/29/2012	2-Butanone	1212373	750	11	40	40	ppbv	J+
VA2090	REG	11/29/2012	Acetone	1212373	530	17	40	40	ppbv	J+
VA2090	REG	11/29/2012	Benzene	1212373	30000	1000	8000	8000	ppbv	J+
VA2090	REG	11/29/2012	Cyclohexane	1212373	54000	5500	16000	8000	ppbv	J+
VA2090	REG	11/29/2012	Ethylbenzene	1212373	3400	590	1600	800	ppbv	J+
VA2090	REG	11/29/2012	Heptane	1212373	52000	2000	8000	8000	ppbv	J+
VA2090	REG	11/29/2012	m,p-Xylene	1212373	7700	420	1600	800	ppbv	J+
VA2090	REG	11/29/2012	n-Hexane	1212373	32000	5500	16000	8000	ppbv	J+
VA2090	REG	11/29/2012	o-Xylene	1212373	2300	210	800	800	ppbv	J+
VA2090	REG	11/29/2012	Toluene	1212373	34000	130	800	800	ppbv	J+
VA2090	REG	11/29/2012	Xylenes, Total	1212373	9900	630	2400	800	ppbv	J+
VA2206	REG	12/3/2012	1,2,4-Trimethylbenzene	1212373	340	9.8	40	40	ppbv	J+
VA2206	REG	12/3/2012	1,2-Dibromoethane	1212373	78	7.4	40	40	ppbv	J+

Appendix B3 - Table 3
Qualified Data Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code S		**Method EPA TO15**								
VA2206	REG	12/3/2012	1,3,5-Trimethylbenzene	1212373	170	9.6	40	40	ppbv	J+
VA2206	REG	12/3/2012	2-Butanone	1212373	160	11	40	40	ppbv	J+
VA2206	REG	12/3/2012	2-Hexanone	1212373	93	5.4	40	40	ppbv	J+
VA2206	REG	12/3/2012	Benzene	1212373	1500	5	40	40	ppbv	J+
VA2206	REG	12/3/2012	Cyclohexane	1212373	9000	270	800	400	ppbv	J+
VA2206	REG	12/3/2012	Ethylbenzene	1212373	1400	29	80	40	ppbv	J+
VA2206	REG	12/3/2012	Heptane	1212373	10000	100	400	400	ppbv	J+
VA2206	REG	12/3/2012	m,p-Xylene	1212373	2900	21	80	40	ppbv	J+
VA2206	REG	12/3/2012	n-Hexane	1212373	4300	280	800	400	ppbv	J+
VA2206	REG	12/3/2012	o-Xylene	1212373	1200	10	40	40	ppbv	J+
VA2206	REG	12/3/2012	Toluene	1212373	15000	63	400	400	ppbv	J+
VA2206	REG	12/3/2012	Xylenes, Total	1212373	4100	31	120	40	ppbv	J+
VA2207	REG	12/3/2012	1,2,4-Trimethylbenzene	1212373	200	9.8	40	40	ppbv	J+
VA2207	REG	12/3/2012	1,2-Dibromoethane	1212373	50	7.4	40	40	ppbv	J+
VA2207	REG	12/3/2012	1,3,5-Trimethylbenzene	1212373	100	9.6	40	40	ppbv	J+
VA2207	REG	12/3/2012	2-Butanone	1212373	92	11	40	40	ppbv	J+
VA2207	REG	12/3/2012	2-Hexanone	1212373	49	5.4	40	40	ppbv	J+
VA2207	REG	12/3/2012	Benzene	1212373	1100	5	40	40	ppbv	J+
VA2207	REG	12/3/2012	Cyclohexane	1212373	2000	27	80	40	ppbv	J+
VA2207	REG	12/3/2012	Ethylbenzene	1212373	940	29	80	40	ppbv	J+
VA2207	REG	12/3/2012	Heptane	1212373	1500	10	40	40	ppbv	J+
VA2207	REG	12/3/2012	m,p-Xylene	1212373	2000	21	80	40	ppbv	J+
VA2207	REG	12/3/2012	n-Hexane	1212373	1600	28	80	40	ppbv	J+
VA2207	REG	12/3/2012	o-Xylene	1212373	790	10	40	40	ppbv	J+
VA2207	REG	12/3/2012	Toluene	1212373	10000	63	400	400	ppbv	J+
VA2207	REG	12/3/2012	Xylenes, Total	1212373	2800	31	120	40	ppbv	J+
VA2208	REG	12/3/2012	1,1,2,2-Tetrachloroethane	1212373	58	8.4	40	40	ppbv	J+
VA2208	REG	12/3/2012	1,2,4-Trimethylbenzene	1212373	290	9.8	40	40	ppbv	J+
VA2208	REG	12/3/2012	1,2-Dibromoethane	1212373	57	7.4	40	40	ppbv	J+
VA2208	REG	12/3/2012	1,3,5-Trimethylbenzene	1212373	140	9.6	40	40	ppbv	J+

Appendix B3 - Table 3
Qualified Data Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code S		**Method EPA TO15**								
VA2208	REG	12/3/2012	2-Butanone	1212373	78	11	40	40	ppbv	J+
VA2208	REG	12/3/2012	2-Hexanone	1212373	54	5.4	40	40	ppbv	J+
VA2208	REG	12/3/2012	Benzene	1212373	1000	5	40	40	ppbv	J+
VA2208	REG	12/3/2012	Cyclohexane	1212373	7000	270	800	400	ppbv	J+
VA2208	REG	12/3/2012	Ethylbenzene	1212373	1100	29	80	40	ppbv	J+
VA2208	REG	12/3/2012	Heptane	1212373	1700	10	40	40	ppbv	J+
VA2208	REG	12/3/2012	m,p-Xylene	1212373	2300	21	80	40	ppbv	J+
VA2208	REG	12/3/2012	n-Hexane	1212373	1600	28	80	40	ppbv	J+
VA2208	REG	12/3/2012	o-Xylene	1212373	960	10	40	40	ppbv	J+
VA2208	REG	12/3/2012	Toluene	1212373	14000	63	400	400	ppbv	J+
VA2208	REG	12/3/2012	Xylenes, Total	1212373	3300	31	120	40	ppbv	J+
VA2209	FD	12/3/2012	1,2,4-Trimethylbenzene	1212373	350	9.8	40	40	ppbv	J+
VA2209	FD	12/3/2012	1,2-Dibromoethane	1212373	80	7.4	40	40	ppbv	J+
VA2209	FD	12/3/2012	1,3,5-Trimethylbenzene	1212373	180	9.6	40	40	ppbv	J+
VA2209	FD	12/3/2012	2-Butanone	1212373	120	11	40	40	ppbv	J+
VA2209	FD	12/3/2012	2-Hexanone	1212373	86	5.4	40	40	ppbv	J+
VA2209	FD	12/3/2012	4-Methyl-2-pentanone	1212373	50	6.3	40	40	ppbv	J+
VA2209	FD	12/3/2012	Benzene	1212373	1300	5	40	40	ppbv	J+
VA2209	FD	12/3/2012	Cyclohexane	1212373	10000	270	800	400	ppbv	J+
VA2209	FD	12/3/2012	Ethylbenzene	1212373	1500	29	80	40	ppbv	J+
VA2209	FD	12/3/2012	Heptane	1212373	12000	100	400	400	ppbv	J+
VA2209	FD	12/3/2012	m,p-Xylene	1212373	3000	21	80	40	ppbv	J+
VA2209	FD	12/3/2012	n-Hexane	1212373	5300	280	800	400	ppbv	J+
VA2209	FD	12/3/2012	o-Xylene	1212373	1300	10	40	40	ppbv	J+
VA2209	FD	12/3/2012	Toluene	1212373	18000	63	400	400	ppbv	J+
VA2209	FD	12/3/2012	Xylenes, Total	1212373	4200	31	120	40	ppbv	J+
VA2210	REG	12/3/2012	1,2,4-Trimethylbenzene	1212373	170	9.8	40	40	ppbv	J+
VA2210	REG	12/3/2012	1,3,5-Trimethylbenzene	1212373	80	9.6	40	40	ppbv	J+
VA2210	REG	12/3/2012	Benzene	1212373	630	5	40	40	ppbv	J+
VA2210	REG	12/3/2012	Cyclohexane	1212373	1400	27	80	40	ppbv	J+

Appendix B3 - Table 3
Qualified Data Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Sample ID	Sample Type	Sample Date	Analyte	SDG	Result	DL	LOQ	Dilution	Units	Qualifier
Environmental Samples										
Reason Code S		**Method EPA TO15**								
VA2210	REG	12/3/2012	Ethylbenzene	1212373	650	29	80	40	ppbv	J+
VA2210	REG	12/3/2012	Heptane	1212373	1100	10	40	40	ppbv	J+
VA2210	REG	12/3/2012	m,p-Xylene	1212373	1500	21	80	40	ppbv	J+
VA2210	REG	12/3/2012	n-Hexane	1212373	810	28	80	40	ppbv	J+
VA2210	REG	12/3/2012	o-Xylene	1212373	560	10	40	40	ppbv	J+
VA2210	REG	12/3/2012	Toluene	1212373	10000	63	400	400	ppbv	J+
VA2210	REG	12/3/2012	Xylenes, Total	1212373	2000	31	120	40	ppbv	J+
Field QC Samples										
Reason Code H		**Method EPA TO15**								
VA8109-TB	TB	12/6/2012	Acetone	1212722	580	17	40	40	ppbv	J-
VA8109-TB	TB	12/6/2012	Cyclohexane	1212722	840	27	80	40	ppbv	J-
VA8109-TB	TB	12/6/2012	Heptane	1212722	1200	10	40	40	ppbv	J-
VA8109-TB	TB	12/6/2012	n-Hexane	1212722	320	28	80	40	ppbv	J-
VA8109-TB	TB	12/6/2012	Toluene	1212722	510	6.3	40	40	ppbv	J-

Notes: See Appendix B - Table 2 for definitions of Qualifiers and Reason Codes.

SDG Sample Delivery Group
DL Detection Limit
LOQ Limit of Quantitation
REG Normal sample sent to the lab
FD Field Duplicate sample
TB Trip blank
ND Not Detected at the LOQ
ppbv parts per billion volume
µg/m³ micrograms per cubic meter

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Appendix B3 - Table 4
Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Acetone**	**7.7**	**0.43**	**1**	**ppbv**		
VA2035	REG	11/15/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2036	REG	11/15/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2037	REG	11/15/2012	EPA TO15	Acetone	6.8	1.7	4	ppbv	U	K3
VA2038	REG	11/15/2012	EPA TO15	Acetone	6	1.7	4	ppbv	U	K3
VA2041	REG	11/15/2012	EPA TO15	Acetone	5.5	1.7	4	ppbv	U	K3
VA2042	REG	11/15/2012	EPA TO15	Acetone	26	1.7	4	ppbv	U	K3
VA2043	FD	11/15/2012	EPA TO15	Acetone	10	1.7	4	ppbv	U	K3
VA2044	REG	11/15/2012	EPA TO15	Acetone	5.8	1.7	4	ppbv	U	K3
VA2045	REG	11/15/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2046	REG	11/15/2012	EPA TO15	Acetone	11	1.7	4	ppbv	U	K3
VA2047	REG	11/15/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA1957	REG	11/19/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA1958	REG	11/19/2012	EPA TO15	Acetone	ND	17000	40000	ppbv		
VA1959	FD	11/19/2012	EPA TO15	Acetone	ND	17000	40000	ppbv		
VA1960	REG	11/19/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA1961	REG	11/19/2012	EPA TO15	Acetone	2100	340	800	ppbv		
VA2039	REG	11/19/2012	EPA TO15	Acetone	1000	86	200	ppbv		
VA2040	REG	11/19/2012	EPA TO15	Acetone	1100	86	200	ppbv		
VA2140	REG	11/20/2012	EPA TO15	Acetone	760	170	400	ppbv		
VA2141	REG	11/20/2012	EPA TO15	Acetone	770	170	400	ppbv		
VA2142	REG	11/20/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2143	REG	11/20/2012	EPA TO15	Acetone	ND	3.4	8	ppbv		
VA2144	REG	11/20/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2145	REG	11/20/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2146	REG	11/20/2012	EPA TO15	Acetone	3500	340	800	ppbv		
VA2147	REG	11/20/2012	EPA TO15	Acetone	1200	340	800	ppbv		
VA2148	FD	11/20/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2149	REG	11/20/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2150	REG	11/20/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2151	REG	11/20/2012	EPA TO15	Acetone	1000	170	400	ppbv		
VA2152	REG	11/20/2012	EPA TO15	Acetone	1000	340	800	ppbv		
VA1953	REG	11/21/2012	EPA TO15	Acetone	45	17	40	ppbv	U	K3
VA1954	REG	11/21/2012	EPA TO15	Acetone	ND	8600	20000	ppbv		
VA1955	REG	11/21/2012	EPA TO15	Acetone	2300	340	800	ppbv		
VA1956	REG	11/21/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Benzene**	**5.1**	**0.13**	**1**	**ppbv**		
VA2035	REG	11/15/2012	EPA TO15	Benzene	90	5	40	ppbv		

Appendix B3 - Table 4
Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Benzene**	**5.1**	**0.13**	**1**	**ppbv**		
VA2036	REG	11/15/2012	EPA TO15	Benzene	52	5	40	ppbv		
VA2037	REG	11/15/2012	EPA TO15	Benzene	ND	0.5	4	ppbv		
VA2038	REG	11/15/2012	EPA TO15	Benzene	ND	0.5	4	ppbv		
VA2041	REG	11/15/2012	EPA TO15	Benzene	ND	0.5	4	ppbv		
VA2042	REG	11/15/2012	EPA TO15	Benzene	9.8	0.5	4	ppbv	U	K3
VA2043	FD	11/15/2012	EPA TO15	Benzene	ND	0.5	4	ppbv		
VA2044	REG	11/15/2012	EPA TO15	Benzene	12	0.5	4	ppbv	U	K3
VA2045	REG	11/15/2012	EPA TO15	Benzene	390	5	40	ppbv		
VA2046	REG	11/15/2012	EPA TO15	Benzene	6.7	0.5	4	ppbv	U	K3
VA2047	REG	11/15/2012	EPA TO15	Benzene	ND	1000	8000	ppbv		
VA1957	REG	11/19/2012	EPA TO15	Benzene	9700	200	1600	ppbv		
VA1958	REG	11/19/2012	EPA TO15	Benzene	340000	5000	40000	ppbv		
VA1959	FD	11/19/2012	EPA TO15	Benzene	170000	5000	40000	ppbv		
VA1960	REG	11/19/2012	EPA TO15	Benzene	40000	1000	8000	ppbv		
VA1961	REG	11/19/2012	EPA TO15	Benzene	2800	100	800	ppbv		
VA2039	REG	11/19/2012	EPA TO15	Benzene	1000	25	200	ppbv		
VA2040	REG	11/19/2012	EPA TO15	Benzene	ND	25	200	ppbv		
VA2140	REG	11/20/2012	EPA TO15	Benzene	1100	50	400	ppbv		
VA2141	REG	11/20/2012	EPA TO15	Benzene	1300	50	400	ppbv		
VA2142	REG	11/20/2012	EPA TO15	Benzene	41	5	40	ppbv		
VA2143	REG	11/20/2012	EPA TO15	Benzene	18	1	8	ppbv	U	K3
VA2144	REG	11/20/2012	EPA TO15	Benzene	42	5	40	ppbv		
VA2145	REG	11/20/2012	EPA TO15	Benzene	51	5	40	ppbv		
VA2146	REG	11/20/2012	EPA TO15	Benzene	1800	100	800	ppbv		
VA2147	REG	11/20/2012	EPA TO15	Benzene	1800	100	800	ppbv		
VA2148	FD	11/20/2012	EPA TO15	Benzene	2200	100	800	ppbv		
VA2149	REG	11/20/2012	EPA TO15	Benzene	830	5	40	ppbv		
VA2150	REG	11/20/2012	EPA TO15	Benzene	320	5	40	ppbv		
VA2151	REG	11/20/2012	EPA TO15	Benzene	ND	50	400	ppbv		
VA2152	REG	11/20/2012	EPA TO15	Benzene	ND	100	800	ppbv		
VA1953	REG	11/21/2012	EPA TO15	Benzene	180	5	40	ppbv		
VA1954	REG	11/21/2012	EPA TO15	Benzene	43000	2500	20000	ppbv		
VA1955	REG	11/21/2012	EPA TO15	Benzene	13000	100	800	ppbv		
VA1956	REG	11/21/2012	EPA TO15	Benzene	390	5	40	ppbv		
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Carbon disulfide**	**1.2**	**0.093**	**1**	**ppbv**		
VA2035	REG	11/15/2012	EPA TO15	Carbon disulfide	ND	3.7	40	ppbv		
VA2036	REG	11/15/2012	EPA TO15	Carbon disulfide	ND	3.7	40	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Carbon disulfide**	**1.2**	**0.093**	**1**	**ppbv**		
VA2037	REG	11/15/2012	EPA TO15	Carbon disulfide	ND	0.37	4	ppbv		
VA2038	REG	11/15/2012	EPA TO15	Carbon disulfide	ND	0.37	4	ppbv		
VA2041	REG	11/15/2012	EPA TO15	Carbon disulfide	ND	0.37	4	ppbv		
VA2042	REG	11/15/2012	EPA TO15	Carbon disulfide	ND	0.37	4	ppbv		
VA2043	FD	11/15/2012	EPA TO15	Carbon disulfide	ND	0.37	4	ppbv		
VA2044	REG	11/15/2012	EPA TO15	Carbon disulfide	ND	0.37	4	ppbv		
VA2045	REG	11/15/2012	EPA TO15	Carbon disulfide	ND	3.7	40	ppbv		
VA2046	REG	11/15/2012	EPA TO15	Carbon disulfide	ND	0.37	4	ppbv		
VA2047	REG	11/15/2012	EPA TO15	Carbon disulfide	ND	740	8000	ppbv		
VA1957	REG	11/19/2012	EPA TO15	Carbon disulfide	ND	150	1600	ppbv		
VA1958	REG	11/19/2012	EPA TO15	Carbon disulfide	ND	3700	40000	ppbv		
VA1959	FD	11/19/2012	EPA TO15	Carbon disulfide	ND	3700	40000	ppbv		
VA1960	REG	11/19/2012	EPA TO15	Carbon disulfide	ND	740	8000	ppbv		
VA1961	REG	11/19/2012	EPA TO15	Carbon disulfide	ND	74	800	ppbv		
VA2039	REG	11/19/2012	EPA TO15	Carbon disulfide	ND	19	200	ppbv		
VA2040	REG	11/19/2012	EPA TO15	Carbon disulfide	ND	19	200	ppbv		
VA2140	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	37	400	ppbv		
VA2141	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	37	400	ppbv		
VA2142	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	3.7	40	ppbv		
VA2143	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	0.74	8	ppbv		
VA2144	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	3.7	40	ppbv		
VA2145	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	3.7	40	ppbv		
VA2146	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	74	800	ppbv		
VA2147	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	74	800	ppbv		
VA2148	FD	11/20/2012	EPA TO15	Carbon disulfide	ND	74	800	ppbv		
VA2149	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	3.7	40	ppbv		
VA2150	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	3.7	40	ppbv		
VA2151	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	37	400	ppbv		
VA2152	REG	11/20/2012	EPA TO15	Carbon disulfide	ND	74	800	ppbv		
VA1953	REG	11/21/2012	EPA TO15	Carbon disulfide	ND	3.7	40	ppbv		
VA1954	REG	11/21/2012	EPA TO15	Carbon disulfide	ND	1900	20000	ppbv		
VA1955	REG	11/21/2012	EPA TO15	Carbon disulfide	ND	74	800	ppbv		
VA1956	REG	11/21/2012	EPA TO15	Carbon disulfide	ND	3.7	40	ppbv		
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Cyclohexane**	**20**	**0.68**	**2**	**ppbv**		
VA2035	REG	11/15/2012	EPA TO15	Cyclohexane	270	27	80	ppbv		
VA2036	REG	11/15/2012	EPA TO15	Cyclohexane	140	27	80	ppbv		
VA2037	REG	11/15/2012	EPA TO15	Cyclohexane	12	2.7	8	ppbv	U	K3

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Cyclohexane**	**20**	**0.68**	**2**	**ppbv**		
VA2038	REG	11/15/2012	EPA TO15	Cyclohexane	ND	2.7	8	ppbv	U	K3
VA2041	REG	11/15/2012	EPA TO15	Cyclohexane	10	2.7	8	ppbv	U	K3
VA2042	REG	11/15/2012	EPA TO15	Cyclohexane	40	2.7	8	ppbv	U	K3
VA2043	FD	11/15/2012	EPA TO15	Cyclohexane	13	2.7	8	ppbv	U	K3
VA2044	REG	11/15/2012	EPA TO15	Cyclohexane	30	2.7	8	ppbv	U	K3
VA2045	REG	11/15/2012	EPA TO15	Cyclohexane	ND	27	80	ppbv	U	K3
VA2046	REG	11/15/2012	EPA TO15	Cyclohexane	ND	2.7	8	ppbv	U	K3
VA2047	REG	11/15/2012	EPA TO15	Cyclohexane	15000	5500	16000	ppbv	J	Tr
VA1957	REG	11/19/2012	EPA TO15	Cyclohexane	4900	1100	3200	ppbv		
VA1958	REG	11/19/2012	EPA TO15	Cyclohexane	1300000	27000	80000	ppbv		
VA1959	FD	11/19/2012	EPA TO15	Cyclohexane	790000	27000	80000	ppbv		
VA1960	REG	11/19/2012	EPA TO15	Cyclohexane	140000	5500	16000	ppbv		
VA1961	REG	11/19/2012	EPA TO15	Cyclohexane	6100	550	1600	ppbv		
VA2039	REG	11/19/2012	EPA TO15	Cyclohexane	3700	140	400	ppbv		
VA2040	REG	11/19/2012	EPA TO15	Cyclohexane	580	140	400	ppbv		
VA2140	REG	11/20/2012	EPA TO15	Cyclohexane	1400	270	800	ppbv		
VA2141	REG	11/20/2012	EPA TO15	Cyclohexane	2000	270	800	ppbv		
VA2142	REG	11/20/2012	EPA TO15	Cyclohexane	ND	27	80	ppbv	U	K3
VA2143	REG	11/20/2012	EPA TO15	Cyclohexane	36	5.5	16	ppbv	U	K3
VA2144	REG	11/20/2012	EPA TO15	Cyclohexane	95	27	80	ppbv	U	K3
VA2145	REG	11/20/2012	EPA TO15	Cyclohexane	210	27	80	ppbv		
VA2146	REG	11/20/2012	EPA TO15	Cyclohexane	3600	550	1600	ppbv		
VA2147	REG	11/20/2012	EPA TO15	Cyclohexane	3700	550	1600	ppbv		
VA2148	FD	11/20/2012	EPA TO15	Cyclohexane	4700	550	1600	ppbv		
VA2149	REG	11/20/2012	EPA TO15	Cyclohexane	1700	27	80	ppbv		
VA2150	REG	11/20/2012	EPA TO15	Cyclohexane	650	27	80	ppbv		
VA2151	REG	11/20/2012	EPA TO15	Cyclohexane	490	270	800	ppbv	J	Tr
VA2152	REG	11/20/2012	EPA TO15	Cyclohexane	1300	550	1600	ppbv	J	Tr
VA1953	REG	11/21/2012	EPA TO15	Cyclohexane	300	27	80	ppbv		
VA1954	REG	11/21/2012	EPA TO15	Cyclohexane	140000	14000	40000	ppbv		
VA1955	REG	11/21/2012	EPA TO15	Cyclohexane	25000	550	1600	ppbv		
VA1956	REG	11/21/2012	EPA TO15	Cyclohexane	890	27	80	ppbv		
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Heptane**	**9.6**	**0.25**	**1**	**ppbv**		
VA2035	REG	11/15/2012	EPA TO15	Heptane	220	10	40	ppbv		
VA2036	REG	11/15/2012	EPA TO15	Heptane	110	10	40	ppbv		
VA2037	REG	11/15/2012	EPA TO15	Heptane	7.2	1	4	ppbv	U	K3
VA2038	REG	11/15/2012	EPA TO15	Heptane	ND	1	4	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Heptane**	**9.6**	**0.25**	**1**	**ppbv**		
VA2041	REG	11/15/2012	EPA TO15	Heptane	4.4	1	4	ppbv	U	K3
VA2042	REG	11/15/2012	EPA TO15	Heptane	37	1	4	ppbv	U	K3
VA2043	FD	11/15/2012	EPA TO15	Heptane	5.4	1	4	ppbv	U	K3
VA2044	REG	11/15/2012	EPA TO15	Heptane	5.1	1	4	ppbv	U	K3
VA2045	REG	11/15/2012	EPA TO15	Heptane	ND	10	40	ppbv		
VA2046	REG	11/15/2012	EPA TO15	Heptane	ND	1	4	ppbv		
VA2047	REG	11/15/2012	EPA TO15	Heptane	ND	2000	8000	ppbv		
VA1957	REG	11/19/2012	EPA TO15	Heptane	1600	400	1600	ppbv		
VA1958	REG	11/19/2012	EPA TO15	Heptane	720000	10000	40000	ppbv		
VA1959	FD	11/19/2012	EPA TO15	Heptane	420000	10000	40000	ppbv		
VA1960	REG	11/19/2012	EPA TO15	Heptane	160000	2000	8000	ppbv		
VA1961	REG	11/19/2012	EPA TO15	Heptane	6700	200	800	ppbv		
VA2039	REG	11/19/2012	EPA TO15	Heptane	4200	50	200	ppbv		
VA2040	REG	11/19/2012	EPA TO15	Heptane	ND	50	200	ppbv		
VA2140	REG	11/20/2012	EPA TO15	Heptane	2100	100	400	ppbv		
VA2141	REG	11/20/2012	EPA TO15	Heptane	3100	100	400	ppbv		
VA2142	REG	11/20/2012	EPA TO15	Heptane	100	10	40	ppbv		
VA2143	REG	11/20/2012	EPA TO15	Heptane	54	2	8	ppbv		
VA2144	REG	11/20/2012	EPA TO15	Heptane	110	10	40	ppbv		
VA2145	REG	11/20/2012	EPA TO15	Heptane	140	10	40	ppbv		
VA2146	REG	11/20/2012	EPA TO15	Heptane	4700	200	800	ppbv		
VA2147	REG	11/20/2012	EPA TO15	Heptane	4800	200	800	ppbv		
VA2148	FD	11/20/2012	EPA TO15	Heptane	6100	200	800	ppbv		
VA2149	REG	11/20/2012	EPA TO15	Heptane	1500	10	40	ppbv		
VA2150	REG	11/20/2012	EPA TO15	Heptane	840	10	40	ppbv		
VA2151	REG	11/20/2012	EPA TO15	Heptane	460	100	400	ppbv		
VA2152	REG	11/20/2012	EPA TO15	Heptane	ND	200	800	ppbv		
VA1953	REG	11/21/2012	EPA TO15	Heptane	430	10	40	ppbv		
VA1954	REG	11/21/2012	EPA TO15	Heptane	ND	5000	20000	ppbv		
VA1955	REG	11/21/2012	EPA TO15	Heptane	12000	200	800	ppbv		
VA1956	REG	11/21/2012	EPA TO15	Heptane	720	10	40	ppbv		
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**m,p-Xylene**	**1.2**	**0.52**	**2**	**ppbv**	**J**	**Tr**
VA2035	REG	11/15/2012	EPA TO15	m,p-Xylene	47	21	80	ppbv	J	Tr
VA2036	REG	11/15/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv		
VA2037	REG	11/15/2012	EPA TO15	m,p-Xylene	ND	2.1	8	ppbv		
VA2038	REG	11/15/2012	EPA TO15	m,p-Xylene	ND	2.1	8	ppbv		
VA2041	REG	11/15/2012	EPA TO15	m,p-Xylene	ND	2.1	8	ppbv	U	K3

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**m,p-Xylene**	**1.2**	**0.52**	**2**	**ppbv**	**J**	**Tr**
VA2042	REG	11/15/2012	EPA TO15	m,p-Xylene	ND	2.1	8	ppbv	U	K3
VA2043	FD	11/15/2012	EPA TO15	m,p-Xylene	7.1	2.1	8	ppbv	J	Tr
VA2044	REG	11/15/2012	EPA TO15	m,p-Xylene	15	2.1	8	ppbv		
VA2045	REG	11/15/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv		
VA2046	REG	11/15/2012	EPA TO15	m,p-Xylene	ND	2.1	8	ppbv		
VA2047	REG	11/15/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA1957	REG	11/19/2012	EPA TO15	m,p-Xylene	ND	840	3200	ppbv		
VA1958	REG	11/19/2012	EPA TO15	m,p-Xylene	ND	21000	80000	ppbv		
VA1959	FD	11/19/2012	EPA TO15	m,p-Xylene	ND	21000	80000	ppbv		
VA1960	REG	11/19/2012	EPA TO15	m,p-Xylene	9800	4200	16000	ppbv	J	Tr
VA1961	REG	11/19/2012	EPA TO15	m,p-Xylene	870	420	1600	ppbv	J	Tr
VA2039	REG	11/19/2012	EPA TO15	m,p-Xylene	290	100	400	ppbv	J	Tr
VA2040	REG	11/19/2012	EPA TO15	m,p-Xylene	ND	100	400	ppbv		
VA2140	REG	11/20/2012	EPA TO15	m,p-Xylene	660	210	800	ppbv	J	Tr
VA2141	REG	11/20/2012	EPA TO15	m,p-Xylene	1000	210	800	ppbv		
VA2142	REG	11/20/2012	EPA TO15	m,p-Xylene	140	21	80	ppbv		
VA2143	REG	11/20/2012	EPA TO15	m,p-Xylene	57	4.2	16	ppbv		
VA2144	REG	11/20/2012	EPA TO15	m,p-Xylene	110	21	80	ppbv		
VA2145	REG	11/20/2012	EPA TO15	m,p-Xylene	110	21	80	ppbv		
VA2146	REG	11/20/2012	EPA TO15	m,p-Xylene	1300	420	1600	ppbv	J	Tr
VA2147	REG	11/20/2012	EPA TO15	m,p-Xylene	1300	420	1600	ppbv	J	Tr
VA2148	FD	11/20/2012	EPA TO15	m,p-Xylene	1700	420	1600	ppbv		
VA2149	REG	11/20/2012	EPA TO15	m,p-Xylene	480	21	80	ppbv		
VA2150	REG	11/20/2012	EPA TO15	m,p-Xylene	220	21	80	ppbv		
VA2151	REG	11/20/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2152	REG	11/20/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA1953	REG	11/21/2012	EPA TO15	m,p-Xylene	140	21	80	ppbv		
VA1954	REG	11/21/2012	EPA TO15	m,p-Xylene	ND	10000	40000	ppbv		
VA1955	REG	11/21/2012	EPA TO15	m,p-Xylene	1800	420	1600	ppbv		
VA1956	REG	11/21/2012	EPA TO15	m,p-Xylene	210	21	80	ppbv		
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Methylene chloride**	**23**	**2.1**	**5**	**ppbv**		
VA2035	REG	11/15/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2036	REG	11/15/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2037	REG	11/15/2012	EPA TO15	Methylene chloride	ND	8.3	20	ppbv		
VA2038	REG	11/15/2012	EPA TO15	Methylene chloride	ND	8.3	20	ppbv		
VA2041	REG	11/15/2012	EPA TO15	Methylene chloride	ND	8.3	20	ppbv		
VA2042	REG	11/15/2012	EPA TO15	Methylene chloride	47	8.3	20	ppbv	U	K3

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VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Methylene chloride**	**23**	**2.1**	**5**	**ppbv**		
VA2043	FD	11/15/2012	EPA TO15	Methylene chloride	ND	8.3	20	ppbv	U	K3
VA2044	REG	11/15/2012	EPA TO15	Methylene chloride	ND	8.3	20	ppbv		
VA2045	REG	11/15/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2046	REG	11/15/2012	EPA TO15	Methylene chloride	ND	8.3	20	ppbv		
VA2047	REG	11/15/2012	EPA TO15	Methylene chloride	23000	17000	40000	ppbv	J	Tr
VA1957	REG	11/19/2012	EPA TO15	Methylene chloride	ND	3300	8000	ppbv		
VA1958	REG	11/19/2012	EPA TO15	Methylene chloride	ND	83000	200000	ppbv		
VA1959	FD	11/19/2012	EPA TO15	Methylene chloride	ND	83000	200000	ppbv		
VA1960	REG	11/19/2012	EPA TO15	Methylene chloride	ND	17000	40000	ppbv		
VA1961	REG	11/19/2012	EPA TO15	Methylene chloride	12000	1700	4000	ppbv		
VA2039	REG	11/19/2012	EPA TO15	Methylene chloride	3100	420	1000	ppbv		
VA2040	REG	11/19/2012	EPA TO15	Methylene chloride	3900	420	1000	ppbv		
VA2140	REG	11/20/2012	EPA TO15	Methylene chloride	1800	830	2000	ppbv	J	Tr
VA2141	REG	11/20/2012	EPA TO15	Methylene chloride	2000	830	2000	ppbv		
VA2142	REG	11/20/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2143	REG	11/20/2012	EPA TO15	Methylene chloride	ND	17	40	ppbv		
VA2144	REG	11/20/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2145	REG	11/20/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2146	REG	11/20/2012	EPA TO15	Methylene chloride	6200	1700	4000	ppbv		
VA2147	REG	11/20/2012	EPA TO15	Methylene chloride	2300	1700	4000	ppbv	J	Tr
VA2148	FD	11/20/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2149	REG	11/20/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2150	REG	11/20/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2151	REG	11/20/2012	EPA TO15	Methylene chloride	3900	830	2000	ppbv		
VA2152	REG	11/20/2012	EPA TO15	Methylene chloride	3900	1700	4000	ppbv	J	Tr
VA1953	REG	11/21/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA1954	REG	11/21/2012	EPA TO15	Methylene chloride	ND	42000	100000	ppbv		
VA1955	REG	11/21/2012	EPA TO15	Methylene chloride	4700	1700	4000	ppbv		
VA1956	REG	11/21/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**n-Hexane**	**21**	**0.69**	**2**	**ppbv**		
VA2035	REG	11/15/2012	EPA TO15	n-Hexane	300	28	80	ppbv		
VA2036	REG	11/15/2012	EPA TO15	n-Hexane	150	28	80	ppbv		
VA2037	REG	11/15/2012	EPA TO15	n-Hexane	11	2.8	8	ppbv	U	K3
VA2038	REG	11/15/2012	EPA TO15	n-Hexane	ND	2.8	8	ppbv		
VA2041	REG	11/15/2012	EPA TO15	n-Hexane	ND	2.8	8	ppbv		
VA2042	REG	11/15/2012	EPA TO15	n-Hexane	29	2.8	8	ppbv	U	K3
VA2043	FD	11/15/2012	EPA TO15	n-Hexane	ND	2.8	8	ppbv		

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VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**n-Hexane**	**21**	**0.69**	**2**	**ppbv**		
VA2044	REG	11/15/2012	EPA TO15	n-Hexane	14	2.8	8	ppbv	U	K3
VA2045	REG	11/15/2012	EPA TO15	n-Hexane	ND	28	80	ppbv		
VA2046	REG	11/15/2012	EPA TO15	n-Hexane	ND	2.8	8	ppbv		
VA2047	REG	11/15/2012	EPA TO15	n-Hexane	23000	5500	16000	ppbv		
VA1957	REG	11/19/2012	EPA TO15	n-Hexane	3900	1100	3200	ppbv		
VA1958	REG	11/19/2012	EPA TO15	n-Hexane	1500000	28000	80000	ppbv		
VA1959	FD	11/19/2012	EPA TO15	n-Hexane	930000	28000	80000	ppbv		
VA1960	REG	11/19/2012	EPA TO15	n-Hexane	110000	5500	16000	ppbv		
VA1961	REG	11/19/2012	EPA TO15	n-Hexane	7600	550	1600	ppbv		
VA2039	REG	11/19/2012	EPA TO15	n-Hexane	4400	140	400	ppbv		
VA2040	REG	11/19/2012	EPA TO15	n-Hexane	1500	140	400	ppbv		
VA2140	REG	11/20/2012	EPA TO15	n-Hexane	2000	280	800	ppbv		
VA2141	REG	11/20/2012	EPA TO15	n-Hexane	2300	280	800	ppbv		
VA2142	REG	11/20/2012	EPA TO15	n-Hexane	ND	28	80	ppbv		
VA2143	REG	11/20/2012	EPA TO15	n-Hexane	22	5.5	16	ppbv	U	K3
VA2144	REG	11/20/2012	EPA TO15	n-Hexane	ND	28	80	ppbv	U	K3
VA2145	REG	11/20/2012	EPA TO15	n-Hexane	170	28	80	ppbv		
VA2146	REG	11/20/2012	EPA TO15	n-Hexane	4000	550	1600	ppbv		
VA2147	REG	11/20/2012	EPA TO15	n-Hexane	3300	550	1600	ppbv		
VA2148	FD	11/20/2012	EPA TO15	n-Hexane	3800	550	1600	ppbv		
VA2149	REG	11/20/2012	EPA TO15	n-Hexane	1400	28	80	ppbv		
VA2150	REG	11/20/2012	EPA TO15	n-Hexane	520	28	80	ppbv		
VA2151	REG	11/20/2012	EPA TO15	n-Hexane	1200	280	800	ppbv		
VA2152	REG	11/20/2012	EPA TO15	n-Hexane	3100	550	1600	ppbv		
VA1953	REG	11/21/2012	EPA TO15	n-Hexane	250	28	80	ppbv		
VA1954	REG	11/21/2012	EPA TO15	n-Hexane	ND	14000	40000	ppbv		
VA1955	REG	11/21/2012	EPA TO15	n-Hexane	25000	550	1600	ppbv		
VA1956	REG	11/21/2012	EPA TO15	n-Hexane	590	28	80	ppbv		
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Toluene**	**7.4**	**0.16**	**1**	**ppbv**		
VA2035	REG	11/15/2012	EPA TO15	Toluene	390	6.3	40	ppbv		
VA2036	REG	11/15/2012	EPA TO15	Toluene	230	6.3	40	ppbv		
VA2037	REG	11/15/2012	EPA TO15	Toluene	16	0.63	4	ppbv	U	K3
VA2038	REG	11/15/2012	EPA TO15	Toluene	11	0.63	4	ppbv	U	K3
VA2041	REG	11/15/2012	EPA TO15	Toluene	8	0.63	4	ppbv	U	K3
VA2042	REG	11/15/2012	EPA TO15	Toluene	29	0.63	4	ppbv	U	K3
VA2043	FD	11/15/2012	EPA TO15	Toluene	15	0.63	4	ppbv	U	K3
VA2044	REG	11/15/2012	EPA TO15	Toluene	32	0.63	4	ppbv	U	K3

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Detected Trip Blank Results and Associated Sample Results
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Toluene**	**7.4**	**0.16**	**1**	**ppbv**		
VA2045	REG	11/15/2012	EPA TO15	Toluene	410	6.3	40	ppbv		
VA2046	REG	11/15/2012	EPA TO15	Toluene	27	0.63	4	ppbv	U	K3
VA2047	REG	11/15/2012	EPA TO15	Toluene	ND	1300	8000	ppbv		
VA1957	REG	11/19/2012	EPA TO15	Toluene	ND	250	1600	ppbv		
VA1958	REG	11/19/2012	EPA TO15	Toluene	330000	6300	40000	ppbv		
VA1959	FD	11/19/2012	EPA TO15	Toluene	160000	6300	40000	ppbv		
VA1960	REG	11/19/2012	EPA TO15	Toluene	57000	1300	8000	ppbv		
VA1961	REG	11/19/2012	EPA TO15	Toluene	4700	130	800	ppbv		
VA2039	REG	11/19/2012	EPA TO15	Toluene	1500	32	200	ppbv		
VA2040	REG	11/19/2012	EPA TO15	Toluene	240	32	200	ppbv		
VA2140	REG	11/20/2012	EPA TO15	Toluene	3400	63	400	ppbv		
VA2141	REG	11/20/2012	EPA TO15	Toluene	4600	63	400	ppbv		
VA2142	REG	11/20/2012	EPA TO15	Toluene	230	6.3	40	ppbv		
VA2143	REG	11/20/2012	EPA TO15	Toluene	100	1.3	8	ppbv		
VA2144	REG	11/20/2012	EPA TO15	Toluene	210	6.3	40	ppbv		
VA2145	REG	11/20/2012	EPA TO15	Toluene	400	6.3	40	ppbv		
VA2146	REG	11/20/2012	EPA TO15	Toluene	6200	130	800	ppbv		
VA2147	REG	11/20/2012	EPA TO15	Toluene	6000	130	800	ppbv		
VA2148	FD	11/20/2012	EPA TO15	Toluene	7600	130	800	ppbv		
VA2149	REG	11/20/2012	EPA TO15	Toluene	1900	6.3	40	ppbv		
VA2150	REG	11/20/2012	EPA TO15	Toluene	940	6.3	40	ppbv		
VA2151	REG	11/20/2012	EPA TO15	Toluene	540	63	400	ppbv		
VA2152	REG	11/20/2012	EPA TO15	Toluene	ND	130	800	ppbv		
VA1953	REG	11/21/2012	EPA TO15	Toluene	550	6.3	40	ppbv		
VA1954	REG	11/21/2012	EPA TO15	Toluene	ND	3200	20000	ppbv		
VA1955	REG	11/21/2012	EPA TO15	Toluene	15000	130	800	ppbv		
VA1956	REG	11/21/2012	EPA TO15	Toluene	940	6.3	40	ppbv		
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Xylenes, Total**	**1.2**	**0.78**	**3**	**ppbv**	**J**	**Tr**
VA2035	REG	11/15/2012	EPA TO15	Xylenes, Total	47	31	120	ppbv	J	Tr
VA2036	REG	11/15/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv		
VA2037	REG	11/15/2012	EPA TO15	Xylenes, Total	ND	3.1	12	ppbv		
VA2038	REG	11/15/2012	EPA TO15	Xylenes, Total	ND	3.1	12	ppbv		
VA2041	REG	11/15/2012	EPA TO15	Xylenes, Total	ND	3.1	12	ppbv	U	K3
VA2042	REG	11/15/2012	EPA TO15	Xylenes, Total	ND	3.1	12	ppbv	U	K3
VA2043	FD	11/15/2012	EPA TO15	Xylenes, Total	11	3.1	12	ppbv	J	Tr
VA2044	REG	11/15/2012	EPA TO15	Xylenes, Total	25	3.1	12	ppbv		
VA2045	REG	11/15/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8105-TB	**TB**	**11/15/2012**	**EPA TO15**	**Xylenes, Total**	**1.2**	**0.78**	**3**	**ppbv**	**J**	**Tr**
VA2046	REG	11/15/2012	EPA TO15	Xylenes, Total	ND	3.1	12	ppbv		
VA2047	REG	11/15/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		
VA1957	REG	11/19/2012	EPA TO15	Xylenes, Total	ND	1300	4800	ppbv		
VA1958	REG	11/19/2012	EPA TO15	Xylenes, Total	ND	31000	120000	ppbv		
VA1959	FD	11/19/2012	EPA TO15	Xylenes, Total	ND	31000	120000	ppbv		
VA1960	REG	11/19/2012	EPA TO15	Xylenes, Total	9800	6300	24000	ppbv	J	Tr
VA1961	REG	11/19/2012	EPA TO15	Xylenes, Total	870	630	2400	ppbv	J	Tr
VA2039	REG	11/19/2012	EPA TO15	Xylenes, Total	290	160	600	ppbv	J	Tr
VA2040	REG	11/19/2012	EPA TO15	Xylenes, Total	ND	160	600	ppbv		
VA2140	REG	11/20/2012	EPA TO15	Xylenes, Total	660	310	1200	ppbv	J	Tr
VA2141	REG	11/20/2012	EPA TO15	Xylenes, Total	1000	310	1200	ppbv	J	Tr
VA2142	REG	11/20/2012	EPA TO15	Xylenes, Total	180	31	120	ppbv		
VA2143	REG	11/20/2012	EPA TO15	Xylenes, Total	76	6.3	24	ppbv		
VA2144	REG	11/20/2012	EPA TO15	Xylenes, Total	110	31	120	ppbv	J	Tr
VA2145	REG	11/20/2012	EPA TO15	Xylenes, Total	110	31	120	ppbv	J	Tr
VA2146	REG	11/20/2012	EPA TO15	Xylenes, Total	1300	630	2400	ppbv	J	Tr
VA2147	REG	11/20/2012	EPA TO15	Xylenes, Total	1300	630	2400	ppbv	J	Tr
VA2148	FD	11/20/2012	EPA TO15	Xylenes, Total	1700	630	2400	ppbv	J	Tr
VA2149	REG	11/20/2012	EPA TO15	Xylenes, Total	630	31	120	ppbv		
VA2150	REG	11/20/2012	EPA TO15	Xylenes, Total	290	31	120	ppbv		
VA2151	REG	11/20/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2152	REG	11/20/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA1953	REG	11/21/2012	EPA TO15	Xylenes, Total	180	31	120	ppbv		
VA1954	REG	11/21/2012	EPA TO15	Xylenes, Total	ND	16000	60000	ppbv		
VA1955	REG	11/21/2012	EPA TO15	Xylenes, Total	1800	630	2400	ppbv	J	Tr
VA1956	REG	11/21/2012	EPA TO15	Xylenes, Total	290	31	120	ppbv		
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**Acetone**	**2.2**	**0.43**	**1**	**ppbv**		
VA1985	REG	11/19/2012	EPA TO15	Acetone	1100000	17000	40000	ppbv		
VA1983	REG	11/26/2012	EPA TO15	Acetone	71000	17000	40000	ppbv		
VA1984	REG	11/26/2012	EPA TO15	Acetone	1900000	34000	80000	ppbv		
VA1986	REG	11/26/2012	EPA TO15	Acetone	730000	8600	20000	ppbv	J+	S
VA2028	REG	11/26/2012	EPA TO15	Acetone	6.2	1.7	4	ppbv	U	K3
VA2029	REG	11/26/2012	EPA TO15	Acetone	11	3.4	8	ppbv	U	K3
VA2080	REG	11/26/2012	EPA TO15	Acetone	9.4	3.4	8	ppbv	U	K3
VA2081	REG	11/26/2012	EPA TO15	Acetone	ND	170	400	ppbv		
VA2082	FD	11/26/2012	EPA TO15	Acetone	460	170	400	ppbv		
VA2083	REG	11/26/2012	EPA TO15	Acetone	ND	86	200	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**Acetone**	**2.2**	**0.43**	**1**	**ppbv**		
VA2084	REG	11/26/2012	EPA TO15	Acetone	ND	86	200	ppbv		
VA2085	REG	11/26/2012	EPA TO15	Acetone	430	170	400	ppbv		
VA2086	REG	11/26/2012	EPA TO15	Acetone	1500	340	800	ppbv		
VA2030	REG	11/27/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2031	REG	11/27/2012	EPA TO15	Acetone	1000	340	800	ppbv		
VA2032	REG	11/27/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2033	FD	11/27/2012	EPA TO15	Acetone	980	340	800	ppbv		
VA2034	REG	11/27/2012	EPA TO15	Acetone	1100	170	400	ppbv		
VA2061	REG	11/27/2012	EPA TO15	Acetone	1200	340	800	ppbv		
VA2062	REG	11/27/2012	EPA TO15	Acetone	1000	340	800	ppbv		
VA2063	REG	11/27/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2064	REG	11/27/2012	EPA TO15	Acetone	270	17	40	ppbv		
VA2065	REG	11/27/2012	EPA TO15	Acetone	42	17	40	ppbv		
VA2066	REG	11/27/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2067	REG	11/27/2012	EPA TO15	Acetone	580	17	40	ppbv	J+	S
VA2068	REG	11/27/2012	EPA TO15	Acetone	430	17	40	ppbv	J+	S
VA2069	REG	11/27/2012	EPA TO15	Acetone	430	17	40	ppbv	J+	S
VA2070	FD	11/27/2012	EPA TO15	Acetone	490	17	40	ppbv	J+	S
VA2071	REG	11/27/2012	EPA TO15	Acetone	380	17	40	ppbv		
VA2072	REG	11/27/2012	EPA TO15	Acetone	1700	340	800	ppbv		
VA2073	REG	11/27/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA2107	REG	11/27/2012	EPA TO15	Acetone	2100	170	400	ppbv		
VA2108	REG	11/27/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2109	REG	11/27/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2110	REG	11/27/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2111	REG	11/27/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2112	REG	11/27/2012	EPA TO15	Acetone	1200	340	800	ppbv		
VA1974	REG	11/28/2012	EPA TO15	Acetone	ND	17000	40000	ppbv		
VA1975	REG	11/28/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA1976	REG	11/28/2012	EPA TO15	Acetone	840	340	800	ppbv		
VA2087	REG	11/28/2012	EPA TO15	Acetone	570	17	40	ppbv	J+	S
VA2088	REG	11/28/2012	EPA TO15	Acetone	200	17	40	ppbv	J+	S
VA2089	REG	11/28/2012	EPA TO15	Acetone	230	17	40	ppbv	J+	S
VA2113	REG	11/28/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2114	REG	11/28/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2115	REG	11/28/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2116	FD	11/28/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2117	REG	11/28/2012	EPA TO15	Acetone	ND	17	40	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**Acetone**	**2.2**	**0.43**	**1**	**ppbv**		
VA2118	REG	11/28/2012	EPA TO15	Acetone	1600	340	800	ppbv		
VA2119	REG	11/28/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2120	REG	11/28/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2121	REG	11/28/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2122	REG	11/28/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2123	REG	11/28/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2124	REG	11/28/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2125	FD	11/28/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2126	REG	11/28/2012	EPA TO15	Acetone	1200	340	800	ppbv		
VA2212	REG	11/28/2012	EPA TO15	Acetone	3000	340	800	ppbv		
VA2213	REG	11/28/2012	EPA TO15	Acetone	2000	340	800	ppbv		
VA2214	REG	11/28/2012	EPA TO15	Acetone	2100	170	400	ppbv		
VA2215	REG	11/28/2012	EPA TO15	Acetone	720	170	400	ppbv		
VA2216	REG	11/28/2012	EPA TO15	Acetone	110	17	40	ppbv		
VA2217	FD	11/28/2012	EPA TO15	Acetone	260	17	40	ppbv		
VA2218	REG	11/28/2012	EPA TO15	Acetone	5500	170	400	ppbv		
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**Cyclohexane**	**1.2**	**0.68**	**2**	**ppbv**	**J**	**Tr**
VA1985	REG	11/19/2012	EPA TO15	Cyclohexane	1800000	27000	80000	ppbv		
VA1983	REG	11/26/2012	EPA TO15	Cyclohexane	220000	27000	80000	ppbv		
VA1984	REG	11/26/2012	EPA TO15	Cyclohexane	2900000	55000	160000	ppbv		
VA1986	REG	11/26/2012	EPA TO15	Cyclohexane	2500000	55000	160000	ppbv	J+	S
VA2028	REG	11/26/2012	EPA TO15	Cyclohexane	72	2.7	8	ppbv		
VA2029	REG	11/26/2012	EPA TO15	Cyclohexane	54	5.5	16	ppbv		
VA2080	REG	11/26/2012	EPA TO15	Cyclohexane	ND	5.5	16	ppbv		
VA2081	REG	11/26/2012	EPA TO15	Cyclohexane	1500	270	800	ppbv		
VA2082	FD	11/26/2012	EPA TO15	Cyclohexane	2100	270	800	ppbv		
VA2083	REG	11/26/2012	EPA TO15	Cyclohexane	600	140	400	ppbv		
VA2084	REG	11/26/2012	EPA TO15	Cyclohexane	20000	550	1600	ppbv		
VA2085	REG	11/26/2012	EPA TO15	Cyclohexane	180000	5500	16000	ppbv		
VA2086	REG	11/26/2012	EPA TO15	Cyclohexane	160000	5500	16000	ppbv		
VA2030	REG	11/27/2012	EPA TO15	Cyclohexane	7700	550	1600	ppbv		
VA2031	REG	11/27/2012	EPA TO15	Cyclohexane	6100	550	1600	ppbv		
VA2032	REG	11/27/2012	EPA TO15	Cyclohexane	2800	550	1600	ppbv		
VA2033	FD	11/27/2012	EPA TO15	Cyclohexane	4000	550	1600	ppbv		
VA2034	REG	11/27/2012	EPA TO15	Cyclohexane	640	270	800	ppbv	J	Tr
VA2061	REG	11/27/2012	EPA TO15	Cyclohexane	20000	550	1600	ppbv		
VA2062	REG	11/27/2012	EPA TO15	Cyclohexane	20000	550	1600	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**Cyclohexane**	**1.2**	**0.68**	**2**	**ppbv**	**J**	**Tr**
VA2063	REG	11/27/2012	EPA TO15	Cyclohexane	730	27	80	ppbv		
VA2064	REG	11/27/2012	EPA TO15	Cyclohexane	4200	270	800	ppbv		
VA2065	REG	11/27/2012	EPA TO15	Cyclohexane	660	27	80	ppbv		
VA2066	REG	11/27/2012	EPA TO15	Cyclohexane	650	27	80	ppbv		
VA2067	REG	11/27/2012	EPA TO15	Cyclohexane	16000	270	800	ppbv	J+	S
VA2068	REG	11/27/2012	EPA TO15	Cyclohexane	13000	270	800	ppbv	J+	S
VA2069	REG	11/27/2012	EPA TO15	Cyclohexane	17000	550	1600	ppbv	J+	S
VA2070	FD	11/27/2012	EPA TO15	Cyclohexane	12000	550	1600	ppbv	J+	S
VA2071	REG	11/27/2012	EPA TO15	Cyclohexane	6700	270	800	ppbv		
VA2072	REG	11/27/2012	EPA TO15	Cyclohexane	5500	550	1600	ppbv		
VA2073	REG	11/27/2012	EPA TO15	Cyclohexane	19000	5500	16000	ppbv		
VA2107	REG	11/27/2012	EPA TO15	Cyclohexane	460	270	800	ppbv	J	Tr
VA2108	REG	11/27/2012	EPA TO15	Cyclohexane	98	27	80	ppbv		
VA2109	REG	11/27/2012	EPA TO15	Cyclohexane	110	27	80	ppbv		
VA2110	REG	11/27/2012	EPA TO15	Cyclohexane	140	27	80	ppbv		
VA2111	REG	11/27/2012	EPA TO15	Cyclohexane	11000	550	1600	ppbv		
VA2112	REG	11/27/2012	EPA TO15	Cyclohexane	18000	550	1600	ppbv		
VA1974	REG	11/28/2012	EPA TO15	Cyclohexane	1000000	27000	80000	ppbv		
VA1975	REG	11/28/2012	EPA TO15	Cyclohexane	100000	5500	16000	ppbv		
VA1976	REG	11/28/2012	EPA TO15	Cyclohexane	26000	550	1600	ppbv		
VA2087	REG	11/28/2012	EPA TO15	Cyclohexane	24000	550	1600	ppbv	J+	S
VA2088	REG	11/28/2012	EPA TO15	Cyclohexane	7200	550	1600	ppbv	J+	S
VA2089	REG	11/28/2012	EPA TO15	Cyclohexane	7000	550	1600	ppbv	J+	S
VA2113	REG	11/28/2012	EPA TO15	Cyclohexane	80	27	80	ppbv		
VA2114	REG	11/28/2012	EPA TO15	Cyclohexane	88	27	80	ppbv		
VA2115	REG	11/28/2012	EPA TO15	Cyclohexane	120	27	80	ppbv		
VA2116	FD	11/28/2012	EPA TO15	Cyclohexane	120	27	80	ppbv		
VA2117	REG	11/28/2012	EPA TO15	Cyclohexane	210	27	80	ppbv		
VA2118	REG	11/28/2012	EPA TO15	Cyclohexane	7000	550	1600	ppbv		
VA2119	REG	11/28/2012	EPA TO15	Cyclohexane	660	27	80	ppbv		
VA2120	REG	11/28/2012	EPA TO15	Cyclohexane	200	27	80	ppbv		
VA2121	REG	11/28/2012	EPA TO15	Cyclohexane	93	27	80	ppbv		
VA2122	REG	11/28/2012	EPA TO15	Cyclohexane	79	27	80	ppbv	J	Tr
VA2123	REG	11/28/2012	EPA TO15	Cyclohexane	78	27	80	ppbv	J	Tr
VA2124	REG	11/28/2012	EPA TO15	Cyclohexane	3200	550	1600	ppbv		
VA2125	FD	11/28/2012	EPA TO15	Cyclohexane	4500	550	1600	ppbv		
VA2126	REG	11/28/2012	EPA TO15	Cyclohexane	15000	550	1600	ppbv		
VA2212	REG	11/28/2012	EPA TO15	Cyclohexane	13000	550	1600	ppbv		

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Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**Cyclohexane**	**1.2**	**0.68**	**2**	**ppbv**	**J**	**Tr**
VA2213	REG	11/28/2012	EPA TO15	Cyclohexane	23000	550	1600	ppbv		
VA2214	REG	11/28/2012	EPA TO15	Cyclohexane	4900	270	800	ppbv		
VA2215	REG	11/28/2012	EPA TO15	Cyclohexane	570	270	800	ppbv	J	Tr
VA2216	REG	11/28/2012	EPA TO15	Cyclohexane	1800	27	80	ppbv		
VA2217	FD	11/28/2012	EPA TO15	Cyclohexane	8700	270	800	ppbv		
VA2218	REG	11/28/2012	EPA TO15	Cyclohexane	4900	270	800	ppbv		
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**Methylene chloride**	**3.5**	**2.1**	**5**	**ppbv**	**J**	**Tr**
VA1985	REG	11/19/2012	EPA TO15	Methylene chloride	ND	83000	200000	ppbv		
VA1983	REG	11/26/2012	EPA TO15	Methylene chloride	ND	83000	200000	ppbv		
VA1984	REG	11/26/2012	EPA TO15	Methylene chloride	ND	170000	400000	ppbv		
VA1986	REG	11/26/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2028	REG	11/26/2012	EPA TO15	Methylene chloride	ND	8.3	20	ppbv		
VA2029	REG	11/26/2012	EPA TO15	Methylene chloride	ND	17	40	ppbv		
VA2080	REG	11/26/2012	EPA TO15	Methylene chloride	ND	17	40	ppbv		
VA2081	REG	11/26/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA2082	FD	11/26/2012	EPA TO15	Methylene chloride	1300	830	2000	ppbv	J	Tr
VA2083	REG	11/26/2012	EPA TO15	Methylene chloride	590	420	1000	ppbv	J	Tr
VA2084	REG	11/26/2012	EPA TO15	Methylene chloride	460	420	1000	ppbv	J	Tr
VA2085	REG	11/26/2012	EPA TO15	Methylene chloride	1500	830	2000	ppbv	J	Tr
VA2086	REG	11/26/2012	EPA TO15	Methylene chloride	3200	1700	4000	ppbv	J	Tr
VA2030	REG	11/27/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2031	REG	11/27/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2032	REG	11/27/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2033	FD	11/27/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2034	REG	11/27/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA2061	REG	11/27/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2062	REG	11/27/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2063	REG	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2064	REG	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2065	REG	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2066	REG	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2067	REG	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2068	REG	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2069	REG	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2070	FD	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2071	REG	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2072	REG	11/27/2012	EPA TO15	Methylene chloride	13000	1700	4000	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**Methylene chloride**	**3.5**	**2.1**	**5**	**ppbv**	**J**	**Tr**
VA2073	REG	11/27/2012	EPA TO15	Methylene chloride	ND	17000	40000	ppbv		
VA2107	REG	11/27/2012	EPA TO15	Methylene chloride	15000	830	2000	ppbv		
VA2108	REG	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2109	REG	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2110	REG	11/27/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2111	REG	11/27/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2112	REG	11/27/2012	EPA TO15	Methylene chloride	1900	1700	4000	ppbv	J	Tr
VA1974	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83000	200000	ppbv		
VA1975	REG	11/28/2012	EPA TO15	Methylene chloride	19000	17000	40000	ppbv	J	Tr
VA1976	REG	11/28/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2087	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2088	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2089	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2113	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2114	REG	11/28/2012	EPA TO15	Methylene chloride	110	83	200	ppbv	J	Tr
VA2115	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2116	FD	11/28/2012	EPA TO15	Methylene chloride	160	83	200	ppbv	J	Tr
VA2117	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2118	REG	11/28/2012	EPA TO15	Methylene chloride	7400	1700	4000	ppbv		
VA2119	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2120	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2121	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2122	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2123	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2124	REG	11/28/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2125	FD	11/28/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2126	REG	11/28/2012	EPA TO15	Methylene chloride	20000	1700	4000	ppbv		
VA2212	REG	11/28/2012	EPA TO15	Methylene chloride	3000	1700	4000	ppbv	J	Tr
VA2213	REG	11/28/2012	EPA TO15	Methylene chloride	4600	1700	4000	ppbv		
VA2214	REG	11/28/2012	EPA TO15	Methylene chloride	11000	830	2000	ppbv		
VA2215	REG	11/28/2012	EPA TO15	Methylene chloride	1100	830	2000	ppbv	J	Tr
VA2216	REG	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2217	FD	11/28/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2218	REG	11/28/2012	EPA TO15	Methylene chloride	2300	1700	4000	ppbv	J	Tr
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**n-Hexane**	**1.8**	**0.69**	**2**	**ppbv**	**J**	**Tr**
VA1985	REG	11/19/2012	EPA TO15	n-Hexane	3000000	55000	160000	ppbv		
VA1983	REG	11/26/2012	EPA TO15	n-Hexane	220000	28000	80000	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**n-Hexane**	**1.8**	**0.69**	**2**	**ppbv**	**J**	**Tr**
VA1984	REG	11/26/2012	EPA TO15	n-Hexane	3500000	55000	160000	ppbv		
VA1986	REG	11/26/2012	EPA TO15	n-Hexane	2000000	55000	160000	ppbv	J+	S
VA2028	REG	11/26/2012	EPA TO15	n-Hexane	26	2.8	8	ppbv		
VA2029	REG	11/26/2012	EPA TO15	n-Hexane	30	5.5	16	ppbv		
VA2080	REG	11/26/2012	EPA TO15	n-Hexane	ND	5.5	16	ppbv		
VA2081	REG	11/26/2012	EPA TO15	n-Hexane	740	280	800	ppbv	J	Tr
VA2082	FD	11/26/2012	EPA TO15	n-Hexane	1100	280	800	ppbv		
VA2083	REG	11/26/2012	EPA TO15	n-Hexane	360	140	400	ppbv	J	Tr
VA2084	REG	11/26/2012	EPA TO15	n-Hexane	15000	550	1600	ppbv		
VA2085	REG	11/26/2012	EPA TO15	n-Hexane	180000	5500	16000	ppbv		
VA2086	REG	11/26/2012	EPA TO15	n-Hexane	96000	5500	16000	ppbv		
VA2030	REG	11/27/2012	EPA TO15	n-Hexane	2200	550	1600	ppbv		
VA2031	REG	11/27/2012	EPA TO15	n-Hexane	5600	550	1600	ppbv		
VA2032	REG	11/27/2012	EPA TO15	n-Hexane	2600	550	1600	ppbv		
VA2033	FD	11/27/2012	EPA TO15	n-Hexane	3600	550	1600	ppbv		
VA2034	REG	11/27/2012	EPA TO15	n-Hexane	490	280	800	ppbv	J	Tr
VA2061	REG	11/27/2012	EPA TO15	n-Hexane	15000	550	1600	ppbv		
VA2062	REG	11/27/2012	EPA TO15	n-Hexane	13000	550	1600	ppbv		
VA2063	REG	11/27/2012	EPA TO15	n-Hexane	380	28	80	ppbv		
VA2064	REG	11/27/2012	EPA TO15	n-Hexane	12000	280	800	ppbv		
VA2065	REG	11/27/2012	EPA TO15	n-Hexane	320	28	80	ppbv		
VA2066	REG	11/27/2012	EPA TO15	n-Hexane	390	28	80	ppbv		
VA2067	REG	11/27/2012	EPA TO15	n-Hexane	12000	280	800	ppbv	J+	S
VA2068	REG	11/27/2012	EPA TO15	n-Hexane	8900	280	800	ppbv	J+	S
VA2069	REG	11/27/2012	EPA TO15	n-Hexane	13000	550	1600	ppbv	J+	S
VA2070	FD	11/27/2012	EPA TO15	n-Hexane	6300	550	1600	ppbv	J+	S
VA2071	REG	11/27/2012	EPA TO15	n-Hexane	3900	280	800	ppbv		
VA2072	REG	11/27/2012	EPA TO15	n-Hexane	4900	550	1600	ppbv		
VA2073	REG	11/27/2012	EPA TO15	n-Hexane	12000	5500	16000	ppbv	J	Tr
VA2107	REG	11/27/2012	EPA TO15	n-Hexane	2200	280	800	ppbv		
VA2108	REG	11/27/2012	EPA TO15	n-Hexane	44	28	80	ppbv	J	Tr
VA2109	REG	11/27/2012	EPA TO15	n-Hexane	40	28	80	ppbv	J	Tr
VA2110	REG	11/27/2012	EPA TO15	n-Hexane	46	28	80	ppbv	J	Tr
VA2111	REG	11/27/2012	EPA TO15	n-Hexane	6000	550	1600	ppbv		
VA2112	REG	11/27/2012	EPA TO15	n-Hexane	22000	550	1600	ppbv		
VA1974	REG	11/28/2012	EPA TO15	n-Hexane	840000	28000	80000	ppbv		
VA1975	REG	11/28/2012	EPA TO15	n-Hexane	58000	5500	16000	ppbv		
VA1976	REG	11/28/2012	EPA TO15	n-Hexane	16000	550	1600	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**n-Hexane**	**1.8**	**0.69**	**2**	**ppbv**	**J**	**Tr**
VA2087	REG	11/28/2012	EPA TO15	n-Hexane	24000	550	1600	ppbv	J+	S
VA2088	REG	11/28/2012	EPA TO15	n-Hexane	16000	550	1600	ppbv	J+	S
VA2089	REG	11/28/2012	EPA TO15	n-Hexane	12000	550	1600	ppbv	J+	S
VA2113	REG	11/28/2012	EPA TO15	n-Hexane	48	28	80	ppbv	J	Tr
VA2114	REG	11/28/2012	EPA TO15	n-Hexane	58	28	80	ppbv	J	Tr
VA2115	REG	11/28/2012	EPA TO15	n-Hexane	60	28	80	ppbv	J	Tr
VA2116	FD	11/28/2012	EPA TO15	n-Hexane	71	28	80	ppbv	J	Tr
VA2117	REG	11/28/2012	EPA TO15	n-Hexane	100	28	80	ppbv		
VA2118	REG	11/28/2012	EPA TO15	n-Hexane	7400	550	1600	ppbv		
VA2119	REG	11/28/2012	EPA TO15	n-Hexane	620	28	80	ppbv		
VA2120	REG	11/28/2012	EPA TO15	n-Hexane	130	28	80	ppbv		
VA2121	REG	11/28/2012	EPA TO15	n-Hexane	58	28	80	ppbv	J	Tr
VA2122	REG	11/28/2012	EPA TO15	n-Hexane	49	28	80	ppbv	J	Tr
VA2123	REG	11/28/2012	EPA TO15	n-Hexane	46	28	80	ppbv	J	Tr
VA2124	REG	11/28/2012	EPA TO15	n-Hexane	2200	550	1600	ppbv		
VA2125	FD	11/28/2012	EPA TO15	n-Hexane	3100	550	1600	ppbv		
VA2126	REG	11/28/2012	EPA TO15	n-Hexane	19000	550	1600	ppbv		
VA2212	REG	11/28/2012	EPA TO15	n-Hexane	8300	550	1600	ppbv		
VA2213	REG	11/28/2012	EPA TO15	n-Hexane	14000	550	1600	ppbv		
VA2214	REG	11/28/2012	EPA TO15	n-Hexane	4800	280	800	ppbv		
VA2215	REG	11/28/2012	EPA TO15	n-Hexane	470	280	800	ppbv	J	Tr
VA2216	REG	11/28/2012	EPA TO15	n-Hexane	1200	28	80	ppbv		
VA2217	FD	11/28/2012	EPA TO15	n-Hexane	4700	280	800	ppbv		
VA2218	REG	11/28/2012	EPA TO15	n-Hexane	9500	280	800	ppbv		
VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**Toluene**	**2.7**	**0.16**	**1**	**ppbv**		
VA1985	REG	11/19/2012	EPA TO15	Toluene	850000	6300	40000	ppbv		
VA1983	REG	11/26/2012	EPA TO15	Toluene	260000	6300	40000	ppbv		
VA1984	REG	11/26/2012	EPA TO15	Toluene	960000	13000	80000	ppbv		
VA1986	REG	11/26/2012	EPA TO15	Toluene	730000	3200	20000	ppbv	J+	S
VA2028	REG	11/26/2012	EPA TO15	Toluene	60	0.63	4	ppbv		
VA2029	REG	11/26/2012	EPA TO15	Toluene	24	1.3	8	ppbv		
VA2080	REG	11/26/2012	EPA TO15	Toluene	23	1.3	8	ppbv		
VA2081	REG	11/26/2012	EPA TO15	Toluene	1400	63	400	ppbv		
VA2082	FD	11/26/2012	EPA TO15	Toluene	1900	63	400	ppbv		
VA2083	REG	11/26/2012	EPA TO15	Toluene	780	32	200	ppbv		
VA2084	REG	11/26/2012	EPA TO15	Toluene	9600	32	200	ppbv		
VA2085	REG	11/26/2012	EPA TO15	Toluene	240000	1300	8000	ppbv		

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VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**Toluene**	**2.7**	**0.16**	**1**	**ppbv**		
VA2086	REG	11/26/2012	EPA TO15	Toluene	280000	1300	8000	ppbv		
VA2030	REG	11/27/2012	EPA TO15	Toluene	2900	130	800	ppbv		
VA2031	REG	11/27/2012	EPA TO15	Toluene	29000	130	800	ppbv		
VA2032	REG	11/27/2012	EPA TO15	Toluene	5100	130	800	ppbv		
VA2033	FD	11/27/2012	EPA TO15	Toluene	7400	130	800	ppbv		
VA2034	REG	11/27/2012	EPA TO15	Toluene	2200	63	400	ppbv		
VA2061	REG	11/27/2012	EPA TO15	Toluene	26000	130	800	ppbv		
VA2062	REG	11/27/2012	EPA TO15	Toluene	33000	130	800	ppbv		
VA2063	REG	11/27/2012	EPA TO15	Toluene	1900	6.3	40	ppbv		
VA2064	REG	11/27/2012	EPA TO15	Toluene	4100	63	400	ppbv		
VA2065	REG	11/27/2012	EPA TO15	Toluene	2000	6.3	40	ppbv		
VA2066	REG	11/27/2012	EPA TO15	Toluene	1900	6.3	40	ppbv		
VA2067	REG	11/27/2012	EPA TO15	Toluene	33000	130	800	ppbv	J+	S
VA2068	REG	11/27/2012	EPA TO15	Toluene	25000	130	800	ppbv	J+	S
VA2069	REG	11/27/2012	EPA TO15	Toluene	28000	130	800	ppbv	J+	S
VA2070	FD	11/27/2012	EPA TO15	Toluene	14000	130	800	ppbv	J+	S
VA2071	REG	11/27/2012	EPA TO15	Toluene	9700	63	400	ppbv		
VA2072	REG	11/27/2012	EPA TO15	Toluene	6600	130	800	ppbv		
VA2073	REG	11/27/2012	EPA TO15	Toluene	58000	1300	8000	ppbv		
VA2107	REG	11/27/2012	EPA TO15	Toluene	1600	63	400	ppbv		
VA2108	REG	11/27/2012	EPA TO15	Toluene	640	6.3	40	ppbv		
VA2109	REG	11/27/2012	EPA TO15	Toluene	700	6.3	40	ppbv		
VA2110	REG	11/27/2012	EPA TO15	Toluene	740	6.3	40	ppbv		
VA2111	REG	11/27/2012	EPA TO15	Toluene	18000	130	800	ppbv		
VA2112	REG	11/27/2012	EPA TO15	Toluene	13000	130	800	ppbv		
VA1974	REG	11/28/2012	EPA TO15	Toluene	270000	6300	40000	ppbv		
VA1975	REG	11/28/2012	EPA TO15	Toluene	140000	1300	8000	ppbv		
VA1976	REG	11/28/2012	EPA TO15	Toluene	29000	130	800	ppbv		
VA2087	REG	11/28/2012	EPA TO15	Toluene	36000	130	800	ppbv	J+	S
VA2088	REG	11/28/2012	EPA TO15	Toluene	15000	130	800	ppbv	J+	S
VA2089	REG	11/28/2012	EPA TO15	Toluene	35000	1300	8000	ppbv	J+	S
VA2113	REG	11/28/2012	EPA TO15	Toluene	220	6.3	40	ppbv		
VA2114	REG	11/28/2012	EPA TO15	Toluene	250	6.3	40	ppbv		
VA2115	REG	11/28/2012	EPA TO15	Toluene	310	6.3	40	ppbv		
VA2116	FD	11/28/2012	EPA TO15	Toluene	300	6.3	40	ppbv		
VA2117	REG	11/28/2012	EPA TO15	Toluene	550	6.3	40	ppbv		
VA2118	REG	11/28/2012	EPA TO15	Toluene	1800	130	800	ppbv		
VA2119	REG	11/28/2012	EPA TO15	Toluene	670	6.3	40	ppbv		

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VA8106-TB	**TB**	**11/26/2012**	**EPA TO15**	**Toluene**	**2.7**	**0.16**	**1**	**ppbv**		
VA2120	REG	11/28/2012	EPA TO15	Toluene	370	6.3	40	ppbv		
VA2121	REG	11/28/2012	EPA TO15	Toluene	230	6.3	40	ppbv		
VA2122	REG	11/28/2012	EPA TO15	Toluene	200	6.3	40	ppbv		
VA2123	REG	11/28/2012	EPA TO15	Toluene	220	6.3	40	ppbv		
VA2124	REG	11/28/2012	EPA TO15	Toluene	ND	130	800	ppbv		
VA2125	FD	11/28/2012	EPA TO15	Toluene	ND	130	800	ppbv		
VA2126	REG	11/28/2012	EPA TO15	Toluene	8800	130	800	ppbv		
VA2212	REG	11/28/2012	EPA TO15	Toluene	24000	130	800	ppbv		
VA2213	REG	11/28/2012	EPA TO15	Toluene	38000	130	800	ppbv		
VA2214	REG	11/28/2012	EPA TO15	Toluene	6400	63	400	ppbv		
VA2215	REG	11/28/2012	EPA TO15	Toluene	2400	63	400	ppbv		
VA2216	REG	11/28/2012	EPA TO15	Toluene	1900	6.3	40	ppbv		
VA2217	FD	11/28/2012	EPA TO15	Toluene	12000	63	400	ppbv		
VA2218	REG	11/28/2012	EPA TO15	Toluene	8000	63	400	ppbv		
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**2-Butanone**	**3.1**	**0.57**	**2**	**ppbv**		
VA2090	REG	11/29/2012	EPA TO15	2-Butanone	750	11	40	ppbv	J+	S
VA2091	REG	11/29/2012	EPA TO15	2-Butanone	1300	230	800	ppbv		
VA2092	FD	11/29/2012	EPA TO15	2-Butanone	1400	230	800	ppbv		
VA2093	REG	11/29/2012	EPA TO15	2-Butanone	ND	11000	40000	ppbv		
VA2127	REG	11/29/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2128	REG	11/29/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2129	REG	11/29/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2130	REG	11/29/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2131	REG	11/29/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2132	REG	12/3/2012	EPA TO15	2-Butanone	ND	2300	8000	ppbv		
VA2133	REG	12/3/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2134	REG	12/3/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2135	FD	12/3/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2136	REG	12/3/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2137	REG	12/3/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2138	REG	12/3/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2139	REG	12/3/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2153	REG	12/3/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2154	REG	12/3/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2155	REG	12/3/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2156	REG	12/3/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2157	REG	12/3/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**2-Butanone**	**3.1**	**0.57**	**2**	**ppbv**		
VA2158	REG	12/3/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2205	REG	12/3/2012	EPA TO15	2-Butanone	560	110	400	ppbv		
VA2206	REG	12/3/2012	EPA TO15	2-Butanone	160	11	40	ppbv	J+	S
VA2207	REG	12/3/2012	EPA TO15	2-Butanone	92	11	40	ppbv	J+	S
VA2208	REG	12/3/2012	EPA TO15	2-Butanone	78	11	40	ppbv	J+	S
VA2209	FD	12/3/2012	EPA TO15	2-Butanone	120	11	40	ppbv	J+	S
VA2210	REG	12/3/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2245	REG	12/3/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2246	REG	12/3/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2247	REG	12/3/2012	EPA TO15	2-Butanone	620	110	400	ppbv		
VA2248	FD	12/3/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2249	REG	12/3/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2250	REG	12/3/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2251	REG	12/3/2012	EPA TO15	2-Butanone	590	110	400	ppbv		
VA1978	REG	12/4/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA1979	REG	12/4/2012	EPA TO15	2-Butanone	ND	23000	80000	ppbv		
VA1980	FD	12/4/2012	EPA TO15	2-Butanone	ND	23000	80000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	2-Butanone	9800	460	1600	ppbv		
VA1982	REG	12/4/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2074	REG	12/4/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2075	REG	12/4/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2076	REG	12/4/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2077	REG	12/4/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2078	REG	12/4/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2079	REG	12/4/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2211	REG	12/4/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Acetone**	**11**	**0.86**	**2**	**ppbv**		
VA2090	REG	11/29/2012	EPA TO15	Acetone	530	17	40	ppbv	J+	S
VA2091	REG	11/29/2012	EPA TO15	Acetone	4100	340	800	ppbv		
VA2092	FD	11/29/2012	EPA TO15	Acetone	3700	340	800	ppbv		
VA2093	REG	11/29/2012	EPA TO15	Acetone	ND	17000	40000	ppbv		
VA2127	REG	11/29/2012	EPA TO15	Acetone	420	170	400	ppbv		
VA2128	REG	11/29/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2129	REG	11/29/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2130	REG	11/29/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2131	REG	11/29/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2132	REG	12/3/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Acetone**	**11**	**0.86**	**2**	**ppbv**		
VA2133	REG	12/3/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2134	REG	12/3/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2135	FD	12/3/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2136	REG	12/3/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2137	REG	12/3/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2138	REG	12/3/2012	EPA TO15	Acetone	1800	340	800	ppbv		
VA2139	REG	12/3/2012	EPA TO15	Acetone	2200	340	800	ppbv		
VA2153	REG	12/3/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2154	REG	12/3/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2155	REG	12/3/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2156	REG	12/3/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2157	REG	12/3/2012	EPA TO15	Acetone	3300	340	800	ppbv		
VA2158	REG	12/3/2012	EPA TO15	Acetone	920	340	800	ppbv		
VA2205	REG	12/3/2012	EPA TO15	Acetone	3300	170	400	ppbv		
VA2206	REG	12/3/2012	EPA TO15	Acetone	96	17	40	ppbv	UJ	K3S
VA2207	REG	12/3/2012	EPA TO15	Acetone	54	17	40	ppbv	UJ	K3S
VA2208	REG	12/3/2012	EPA TO15	Acetone	47	17	40	ppbv	UJ	K3S
VA2209	FD	12/3/2012	EPA TO15	Acetone	67	17	40	ppbv	UJ	K3S
VA2210	REG	12/3/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2245	REG	12/3/2012	EPA TO15	Acetone	2500	340	800	ppbv		
VA2246	REG	12/3/2012	EPA TO15	Acetone	1800	340	800	ppbv		
VA2247	REG	12/3/2012	EPA TO15	Acetone	7300	170	400	ppbv		
VA2248	FD	12/3/2012	EPA TO15	Acetone	5600	170	400	ppbv		
VA2249	REG	12/3/2012	EPA TO15	Acetone	2500	170	400	ppbv		
VA2250	REG	12/3/2012	EPA TO15	Acetone	2300	170	400	ppbv		
VA2251	REG	12/3/2012	EPA TO15	Acetone	6000	170	400	ppbv		
VA1978	REG	12/4/2012	EPA TO15	Acetone	1700	170	400	ppbv		
VA1979	REG	12/4/2012	EPA TO15	Acetone	ND	34000	80000	ppbv		
VA1980	FD	12/4/2012	EPA TO15	Acetone	ND	34000	80000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	Acetone	46000	690	1600	ppbv		
VA1982	REG	12/4/2012	EPA TO15	Acetone	3000	170	400	ppbv		
VA2074	REG	12/4/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2075	REG	12/4/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2076	REG	12/4/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2077	REG	12/4/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2078	REG	12/4/2012	EPA TO15	Acetone	1000	340	800	ppbv		
VA2079	REG	12/4/2012	EPA TO15	Acetone	560	170	400	ppbv		
VA2211	REG	12/4/2012	EPA TO15	Acetone	820	170	400	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Benzene**	**27**	**0.25**	**2**	**ppbv**		
VA2090	REG	11/29/2012	EPA TO15	Benzene	30000	1000	8000	ppbv	J+	S
VA2091	REG	11/29/2012	EPA TO15	Benzene	9700	100	800	ppbv		
VA2092	FD	11/29/2012	EPA TO15	Benzene	9400	100	800	ppbv		
VA2093	REG	11/29/2012	EPA TO15	Benzene	400000	5000	40000	ppbv		
VA2127	REG	11/29/2012	EPA TO15	Benzene	550	50	400	ppbv		
VA2128	REG	11/29/2012	EPA TO15	Benzene	110	5	40	ppbv	U	K3
VA2129	REG	11/29/2012	EPA TO15	Benzene	90	5	40	ppbv	U	K3
VA2130	REG	11/29/2012	EPA TO15	Benzene	84	5	40	ppbv	U	K3
VA2131	REG	11/29/2012	EPA TO15	Benzene	59	5	40	ppbv	U	K3
VA2132	REG	12/3/2012	EPA TO15	Benzene	29000	1000	8000	ppbv		
VA2133	REG	12/3/2012	EPA TO15	Benzene	1200	5	40	ppbv		
VA2134	REG	12/3/2012	EPA TO15	Benzene	450	5	40	ppbv		
VA2135	FD	12/3/2012	EPA TO15	Benzene	820	5	40	ppbv		
VA2136	REG	12/3/2012	EPA TO15	Benzene	430	5	40	ppbv		
VA2137	REG	12/3/2012	EPA TO15	Benzene	430	5	40	ppbv		
VA2138	REG	12/3/2012	EPA TO15	Benzene	900	100	800	ppbv		
VA2139	REG	12/3/2012	EPA TO15	Benzene	1900	100	800	ppbv		
VA2153	REG	12/3/2012	EPA TO15	Benzene	210	5	40	ppbv		
VA2154	REG	12/3/2012	EPA TO15	Benzene	170	5	40	ppbv		
VA2155	REG	12/3/2012	EPA TO15	Benzene	170	5	40	ppbv		
VA2156	REG	12/3/2012	EPA TO15	Benzene	130	5	40	ppbv	U	K3
VA2157	REG	12/3/2012	EPA TO15	Benzene	ND	100	800	ppbv		
VA2158	REG	12/3/2012	EPA TO15	Benzene	1800	100	800	ppbv		
VA2205	REG	12/3/2012	EPA TO15	Benzene	3700	50	400	ppbv		
VA2206	REG	12/3/2012	EPA TO15	Benzene	1500	5	40	ppbv	J+	S
VA2207	REG	12/3/2012	EPA TO15	Benzene	1100	5	40	ppbv	J+	S
VA2208	REG	12/3/2012	EPA TO15	Benzene	1000	5	40	ppbv	J+	S
VA2209	FD	12/3/2012	EPA TO15	Benzene	1300	5	40	ppbv	J+	S
VA2210	REG	12/3/2012	EPA TO15	Benzene	630	5	40	ppbv	J+	S
VA2245	REG	12/3/2012	EPA TO15	Benzene	6300	100	800	ppbv		
VA2246	REG	12/3/2012	EPA TO15	Benzene	4900	100	800	ppbv		
VA2247	REG	12/3/2012	EPA TO15	Benzene	4800	50	400	ppbv		
VA2248	FD	12/3/2012	EPA TO15	Benzene	4900	50	400	ppbv		
VA2249	REG	12/3/2012	EPA TO15	Benzene	3900	50	400	ppbv		
VA2250	REG	12/3/2012	EPA TO15	Benzene	3000	50	400	ppbv		
VA2251	REG	12/3/2012	EPA TO15	Benzene	2700	50	400	ppbv		
VA1978	REG	12/4/2012	EPA TO15	Benzene	7100	50	400	ppbv		
VA1979	REG	12/4/2012	EPA TO15	Benzene	180000	10000	80000	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Benzene**	**27**	**0.25**	**2**	**ppbv**		
VA1980	FD	12/4/2012	EPA TO15	Benzene	150000	10000	80000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	Benzene	26000	200	1600	ppbv		
VA1982	REG	12/4/2012	EPA TO15	Benzene	2800	50	400	ppbv		
VA2074	REG	12/4/2012	EPA TO15	Benzene	76	5	40	ppbv	U	K3
VA2075	REG	12/4/2012	EPA TO15	Benzene	76	5	40	ppbv	U	K3
VA2076	REG	12/4/2012	EPA TO15	Benzene	79	5	40	ppbv	U	K3
VA2077	REG	12/4/2012	EPA TO15	Benzene	69	5	40	ppbv	U	K3
VA2078	REG	12/4/2012	EPA TO15	Benzene	ND	100	800	ppbv		
VA2079	REG	12/4/2012	EPA TO15	Benzene	5300	50	400	ppbv		
VA2211	REG	12/4/2012	EPA TO15	Benzene	500	50	400	ppbv		
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Cyclohexane**	**76**	**1.4**	**4**	**ppbv**		
VA2090	REG	11/29/2012	EPA TO15	Cyclohexane	54000	5500	16000	ppbv	J+	S
VA2091	REG	11/29/2012	EPA TO15	Cyclohexane	29000	550	1600	ppbv		
VA2092	FD	11/29/2012	EPA TO15	Cyclohexane	32000	550	1600	ppbv		
VA2093	REG	11/29/2012	EPA TO15	Cyclohexane	1100000	27000	80000	ppbv		
VA2127	REG	11/29/2012	EPA TO15	Cyclohexane	1600	270	800	ppbv		
VA2128	REG	11/29/2012	EPA TO15	Cyclohexane	180	27	80	ppbv	U	K3
VA2129	REG	11/29/2012	EPA TO15	Cyclohexane	140	27	80	ppbv	U	K3
VA2130	REG	11/29/2012	EPA TO15	Cyclohexane	140	27	80	ppbv	U	K3
VA2131	REG	11/29/2012	EPA TO15	Cyclohexane	90	27	80	ppbv	U	K3
VA2132	REG	12/3/2012	EPA TO15	Cyclohexane	63000	5500	16000	ppbv		
VA2133	REG	12/3/2012	EPA TO15	Cyclohexane	1200	27	80	ppbv		
VA2134	REG	12/3/2012	EPA TO15	Cyclohexane	540	27	80	ppbv		
VA2135	FD	12/3/2012	EPA TO15	Cyclohexane	930	27	80	ppbv		
VA2136	REG	12/3/2012	EPA TO15	Cyclohexane	490	27	80	ppbv		
VA2137	REG	12/3/2012	EPA TO15	Cyclohexane	500	27	80	ppbv		
VA2138	REG	12/3/2012	EPA TO15	Cyclohexane	4100	550	1600	ppbv		
VA2139	REG	12/3/2012	EPA TO15	Cyclohexane	13000	550	1600	ppbv		
VA2153	REG	12/3/2012	EPA TO15	Cyclohexane	600	27	80	ppbv		
VA2154	REG	12/3/2012	EPA TO15	Cyclohexane	840	27	80	ppbv		
VA2155	REG	12/3/2012	EPA TO15	Cyclohexane	380	27	80	ppbv	U	K3
VA2156	REG	12/3/2012	EPA TO15	Cyclohexane	270	27	80	ppbv	U	K3
VA2157	REG	12/3/2012	EPA TO15	Cyclohexane	3000	550	1600	ppbv		
VA2158	REG	12/3/2012	EPA TO15	Cyclohexane	15000	550	1600	ppbv		
VA2205	REG	12/3/2012	EPA TO15	Cyclohexane	9200	270	800	ppbv		
VA2206	REG	12/3/2012	EPA TO15	Cyclohexane	9000	270	800	ppbv	J+	S
VA2207	REG	12/3/2012	EPA TO15	Cyclohexane	2000	27	80	ppbv	J+	S

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VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Cyclohexane**	**76**	**1.4**	**4**	**ppbv**		
VA2208	REG	12/3/2012	EPA TO15	Cyclohexane	7000	270	800	ppbv	J+	S
VA2209	FD	12/3/2012	EPA TO15	Cyclohexane	10000	270	800	ppbv	J+	S
VA2210	REG	12/3/2012	EPA TO15	Cyclohexane	1400	27	80	ppbv	J+	S
VA2245	REG	12/3/2012	EPA TO15	Cyclohexane	15000	550	1600	ppbv		
VA2246	REG	12/3/2012	EPA TO15	Cyclohexane	11000	550	1600	ppbv		
VA2247	REG	12/3/2012	EPA TO15	Cyclohexane	11000	270	800	ppbv		
VA2248	FD	12/3/2012	EPA TO15	Cyclohexane	12000	270	800	ppbv		
VA2249	REG	12/3/2012	EPA TO15	Cyclohexane	9700	270	800	ppbv		
VA2250	REG	12/3/2012	EPA TO15	Cyclohexane	7700	270	800	ppbv		
VA2251	REG	12/3/2012	EPA TO15	Cyclohexane	6500	270	800	ppbv		
VA1978	REG	12/4/2012	EPA TO15	Cyclohexane	8400	270	800	ppbv		
VA1979	REG	12/4/2012	EPA TO15	Cyclohexane	550000	55000	160000	ppbv		
VA1980	FD	12/4/2012	EPA TO15	Cyclohexane	480000	55000	160000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	Cyclohexane	130000	5500	16000	ppbv		
VA1982	REG	12/4/2012	EPA TO15	Cyclohexane	4900	270	800	ppbv		
VA2074	REG	12/4/2012	EPA TO15	Cyclohexane	260	27	80	ppbv	U	K3
VA2075	REG	12/4/2012	EPA TO15	Cyclohexane	230	27	80	ppbv	U	K3
VA2076	REG	12/4/2012	EPA TO15	Cyclohexane	310	27	80	ppbv	U	K3
VA2077	REG	12/4/2012	EPA TO15	Cyclohexane	300	27	80	ppbv	U	K3
VA2078	REG	12/4/2012	EPA TO15	Cyclohexane	3100	550	1600	ppbv		
VA2079	REG	12/4/2012	EPA TO15	Cyclohexane	18000	270	800	ppbv		
VA2211	REG	12/4/2012	EPA TO15	Cyclohexane	1400	270	800	ppbv		
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Ethylbenzene**	**3**	**1.5**	**4**	**ppbv**	**J**	**Tr**
VA2090	REG	11/29/2012	EPA TO15	Ethylbenzene	3400	590	1600	ppbv	J+	S
VA2091	REG	11/29/2012	EPA TO15	Ethylbenzene	5300	590	1600	ppbv		
VA2092	FD	11/29/2012	EPA TO15	Ethylbenzene	6200	590	1600	ppbv		
VA2093	REG	11/29/2012	EPA TO15	Ethylbenzene	ND	29000	80000	ppbv		
VA2127	REG	11/29/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2128	REG	11/29/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2129	REG	11/29/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2130	REG	11/29/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2131	REG	11/29/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2132	REG	12/3/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA2133	REG	12/3/2012	EPA TO15	Ethylbenzene	140	29	80	ppbv		
VA2134	REG	12/3/2012	EPA TO15	Ethylbenzene	57	29	80	ppbv	J	Tr
VA2135	FD	12/3/2012	EPA TO15	Ethylbenzene	110	29	80	ppbv		
VA2136	REG	12/3/2012	EPA TO15	Ethylbenzene	81	29	80	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Ethylbenzene**	**3**	**1.5**	**4**	**ppbv**	**J**	**Tr**
VA2137	REG	12/3/2012	EPA TO15	Ethylbenzene	80	29	80	ppbv		
VA2138	REG	12/3/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2139	REG	12/3/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2153	REG	12/3/2012	EPA TO15	Ethylbenzene	50	29	80	ppbv	J	Tr
VA2154	REG	12/3/2012	EPA TO15	Ethylbenzene	44	29	80	ppbv	J	Tr
VA2155	REG	12/3/2012	EPA TO15	Ethylbenzene	43	29	80	ppbv	J	Tr
VA2156	REG	12/3/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2157	REG	12/3/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2158	REG	12/3/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2205	REG	12/3/2012	EPA TO15	Ethylbenzene	1500	290	800	ppbv		
VA2206	REG	12/3/2012	EPA TO15	Ethylbenzene	1400	29	80	ppbv	J+	S
VA2207	REG	12/3/2012	EPA TO15	Ethylbenzene	940	29	80	ppbv	J+	S
VA2208	REG	12/3/2012	EPA TO15	Ethylbenzene	1100	29	80	ppbv	J+	S
VA2209	FD	12/3/2012	EPA TO15	Ethylbenzene	1500	29	80	ppbv	J+	S
VA2210	REG	12/3/2012	EPA TO15	Ethylbenzene	650	29	80	ppbv	J+	S
VA2245	REG	12/3/2012	EPA TO15	Ethylbenzene	1100	590	1600	ppbv	J	Tr
VA2246	REG	12/3/2012	EPA TO15	Ethylbenzene	1100	590	1600	ppbv	J	Tr
VA2247	REG	12/3/2012	EPA TO15	Ethylbenzene	1800	290	800	ppbv		
VA2248	FD	12/3/2012	EPA TO15	Ethylbenzene	2100	290	800	ppbv		
VA2249	REG	12/3/2012	EPA TO15	Ethylbenzene	1900	290	800	ppbv		
VA2250	REG	12/3/2012	EPA TO15	Ethylbenzene	1600	290	800	ppbv		
VA2251	REG	12/3/2012	EPA TO15	Ethylbenzene	1400	290	800	ppbv		
VA1978	REG	12/4/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA1979	REG	12/4/2012	EPA TO15	Ethylbenzene	ND	59000	160000	ppbv		
VA1980	FD	12/4/2012	EPA TO15	Ethylbenzene	ND	59000	160000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	Ethylbenzene	1800	1200	3200	ppbv	J	Tr
VA1982	REG	12/4/2012	EPA TO15	Ethylbenzene	2300	290	800	ppbv		
VA2074	REG	12/4/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2075	REG	12/4/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2076	REG	12/4/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2077	REG	12/4/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2078	REG	12/4/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2079	REG	12/4/2012	EPA TO15	Ethylbenzene	440	290	800	ppbv	J	Tr
VA2211	REG	12/4/2012	EPA TO15	Ethylbenzene	450	290	800	ppbv	J	Tr
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Heptane**	**42**	**0.5**	**2**	**ppbv**		
VA2090	REG	11/29/2012	EPA TO15	Heptane	52000	2000	8000	ppbv	J+	S
VA2091	REG	11/29/2012	EPA TO15	Heptane	22000	200	800	ppbv		

Appendix B3 - Table 4
Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Heptane**	**42**	**0.5**	**2**	**ppbv**		
VA2092	FD	11/29/2012	EPA TO15	Heptane	25000	200	800	ppbv		
VA2093	REG	11/29/2012	EPA TO15	Heptane	620000	10000	40000	ppbv		
VA2127	REG	11/29/2012	EPA TO15	Heptane	630	100	400	ppbv		
VA2128	REG	11/29/2012	EPA TO15	Heptane	57	10	40	ppbv	U	K3
VA2129	REG	11/29/2012	EPA TO15	Heptane	46	10	40	ppbv	U	K3
VA2130	REG	11/29/2012	EPA TO15	Heptane	47	10	40	ppbv	U	K3
VA2131	REG	11/29/2012	EPA TO15	Heptane	ND	10	40	ppbv		
VA2132	REG	12/3/2012	EPA TO15	Heptane	14000	2000	8000	ppbv		
VA2133	REG	12/3/2012	EPA TO15	Heptane	460	10	40	ppbv		
VA2134	REG	12/3/2012	EPA TO15	Heptane	210	10	40	ppbv	U	K3
VA2135	FD	12/3/2012	EPA TO15	Heptane	350	10	40	ppbv		
VA2136	REG	12/3/2012	EPA TO15	Heptane	190	10	40	ppbv	U	K3
VA2137	REG	12/3/2012	EPA TO15	Heptane	190	10	40	ppbv	U	K3
VA2138	REG	12/3/2012	EPA TO15	Heptane	ND	200	800	ppbv		
VA2139	REG	12/3/2012	EPA TO15	Heptane	2400	200	800	ppbv		
VA2153	REG	12/3/2012	EPA TO15	Heptane	180	10	40	ppbv	U	K3
VA2154	REG	12/3/2012	EPA TO15	Heptane	150	10	40	ppbv	U	K3
VA2155	REG	12/3/2012	EPA TO15	Heptane	120	10	40	ppbv	U	K3
VA2156	REG	12/3/2012	EPA TO15	Heptane	88	10	40	ppbv	U	K3
VA2157	REG	12/3/2012	EPA TO15	Heptane	ND	200	800	ppbv		
VA2158	REG	12/3/2012	EPA TO15	Heptane	5000	200	800	ppbv		
VA2205	REG	12/3/2012	EPA TO15	Heptane	7700	100	400	ppbv		
VA2206	REG	12/3/2012	EPA TO15	Heptane	10000	100	400	ppbv	J+	S
VA2207	REG	12/3/2012	EPA TO15	Heptane	1500	10	40	ppbv	J+	S
VA2208	REG	12/3/2012	EPA TO15	Heptane	1700	10	40	ppbv	J+	S
VA2209	FD	12/3/2012	EPA TO15	Heptane	12000	100	400	ppbv	J+	S
VA2210	REG	12/3/2012	EPA TO15	Heptane	1100	10	40	ppbv	J+	S
VA2245	REG	12/3/2012	EPA TO15	Heptane	14000	200	800	ppbv		
VA2246	REG	12/3/2012	EPA TO15	Heptane	11000	200	800	ppbv		
VA2247	REG	12/3/2012	EPA TO15	Heptane	9000	100	400	ppbv		
VA2248	FD	12/3/2012	EPA TO15	Heptane	9600	100	400	ppbv		
VA2249	REG	12/3/2012	EPA TO15	Heptane	8100	100	400	ppbv		
VA2250	REG	12/3/2012	EPA TO15	Heptane	7000	100	400	ppbv		
VA2251	REG	12/3/2012	EPA TO15	Heptane	6300	100	400	ppbv		
VA1978	REG	12/4/2012	EPA TO15	Heptane	4700	100	400	ppbv		
VA1979	REG	12/4/2012	EPA TO15	Heptane	200000	20000	80000	ppbv		
VA1980	FD	12/4/2012	EPA TO15	Heptane	170000	20000	80000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	Heptane	55000	400	1600	ppbv		

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Detected Trip Blank Results and Associated Sample Results
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Heptane**	**42**	**0.5**	**2**	**ppbv**		
VA1982	REG	12/4/2012	EPA TO15	Heptane	6000	100	400	ppbv		
VA2074	REG	12/4/2012	EPA TO15	Heptane	63	10	40	ppbv	U	K3
VA2075	REG	12/4/2012	EPA TO15	Heptane	63	10	40	ppbv	U	K3
VA2076	REG	12/4/2012	EPA TO15	Heptane	100	10	40	ppbv	U	K3
VA2077	REG	12/4/2012	EPA TO15	Heptane	98	10	40	ppbv	U	K3
VA2078	REG	12/4/2012	EPA TO15	Heptane	ND	200	800	ppbv		
VA2079	REG	12/4/2012	EPA TO15	Heptane	8000	100	400	ppbv		
VA2211	REG	12/4/2012	EPA TO15	Heptane	1800	100	400	ppbv		
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**m,p-Xylene**	**8.7**	**1**	**4**	**ppbv**		
VA2090	REG	11/29/2012	EPA TO15	m,p-Xylene	7700	420	1600	ppbv	J+	S
VA2091	REG	11/29/2012	EPA TO15	m,p-Xylene	16000	420	1600	ppbv		
VA2092	FD	11/29/2012	EPA TO15	m,p-Xylene	18000	420	1600	ppbv		
VA2093	REG	11/29/2012	EPA TO15	m,p-Xylene	42000	21000	80000	ppbv	J	Tr
VA2127	REG	11/29/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2128	REG	11/29/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv	U	K3
VA2129	REG	11/29/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv	U	K3
VA2130	REG	11/29/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv		
VA2131	REG	11/29/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv		
VA2132	REG	12/3/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA2133	REG	12/3/2012	EPA TO15	m,p-Xylene	210	21	80	ppbv		
VA2134	REG	12/3/2012	EPA TO15	m,p-Xylene	92	21	80	ppbv		
VA2135	FD	12/3/2012	EPA TO15	m,p-Xylene	180	21	80	ppbv		
VA2136	REG	12/3/2012	EPA TO15	m,p-Xylene	130	21	80	ppbv		
VA2137	REG	12/3/2012	EPA TO15	m,p-Xylene	140	21	80	ppbv		
VA2138	REG	12/3/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2139	REG	12/3/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2153	REG	12/3/2012	EPA TO15	m,p-Xylene	85	21	80	ppbv		
VA2154	REG	12/3/2012	EPA TO15	m,p-Xylene	78	21	80	ppbv	J	Tr
VA2155	REG	12/3/2012	EPA TO15	m,p-Xylene	76	21	80	ppbv	J	Tr
VA2156	REG	12/3/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv	U	K3
VA2157	REG	12/3/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2158	REG	12/3/2012	EPA TO15	m,p-Xylene	1600	420	1600	ppbv		
VA2205	REG	12/3/2012	EPA TO15	m,p-Xylene	3700	210	800	ppbv		
VA2206	REG	12/3/2012	EPA TO15	m,p-Xylene	2900	21	80	ppbv	J+	S
VA2207	REG	12/3/2012	EPA TO15	m,p-Xylene	2000	21	80	ppbv	J+	S
VA2208	REG	12/3/2012	EPA TO15	m,p-Xylene	2300	21	80	ppbv	J+	S
VA2209	FD	12/3/2012	EPA TO15	m,p-Xylene	3000	21	80	ppbv	J+	S

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Detected Trip Blank Results and Associated Sample Results
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**m,p-Xylene**	**8.7**	**1**	**4**	**ppbv**		
VA2210	REG	12/3/2012	EPA TO15	m,p-Xylene	1500	21	80	ppbv	J+	S
VA2245	REG	12/3/2012	EPA TO15	m,p-Xylene	2800	420	1600	ppbv		
VA2246	REG	12/3/2012	EPA TO15	m,p-Xylene	2800	420	1600	ppbv		
VA2247	REG	12/3/2012	EPA TO15	m,p-Xylene	4200	210	800	ppbv		
VA2248	FD	12/3/2012	EPA TO15	m,p-Xylene	4900	210	800	ppbv		
VA2249	REG	12/3/2012	EPA TO15	m,p-Xylene	4700	210	800	ppbv		
VA2250	REG	12/3/2012	EPA TO15	m,p-Xylene	4000	210	800	ppbv		
VA2251	REG	12/3/2012	EPA TO15	m,p-Xylene	3400	210	800	ppbv		
VA1978	REG	12/4/2012	EPA TO15	m,p-Xylene	840	210	800	ppbv		
VA1979	REG	12/4/2012	EPA TO15	m,p-Xylene	ND	42000	160000	ppbv		
VA1980	FD	12/4/2012	EPA TO15	m,p-Xylene	ND	42000	160000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	m,p-Xylene	4300	840	3200	ppbv		
VA1982	REG	12/4/2012	EPA TO15	m,p-Xylene	4700	210	800	ppbv		
VA2074	REG	12/4/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv		
VA2075	REG	12/4/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv		
VA2076	REG	12/4/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv		
VA2077	REG	12/4/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv		
VA2078	REG	12/4/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2079	REG	12/4/2012	EPA TO15	m,p-Xylene	730	210	800	ppbv	J	Tr
VA2211	REG	12/4/2012	EPA TO15	m,p-Xylene	1300	210	800	ppbv		
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Methylene chloride**	**6.2**	**4.2**	**10**	**ppbv**	**J**	**Tr**
VA2090	REG	11/29/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2091	REG	11/29/2012	EPA TO15	Methylene chloride	7200	1700	4000	ppbv		
VA2092	FD	11/29/2012	EPA TO15	Methylene chloride	2100	1700	4000	ppbv	J	Tr
VA2093	REG	11/29/2012	EPA TO15	Methylene chloride	ND	83000	200000	ppbv		
VA2127	REG	11/29/2012	EPA TO15	Methylene chloride	1100	830	2000	ppbv	J	Tr
VA2128	REG	11/29/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2129	REG	11/29/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2130	REG	11/29/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2131	REG	11/29/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2132	REG	12/3/2012	EPA TO15	Methylene chloride	ND	17000	40000	ppbv		
VA2133	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2134	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2135	FD	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2136	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2137	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2138	REG	12/3/2012	EPA TO15	Methylene chloride	6600	1700	4000	ppbv		

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Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Methylene chloride**	**6.2**	**4.2**	**10**	**ppbv**	**J**	**Tr**
VA2139	REG	12/3/2012	EPA TO15	Methylene chloride	5800	1700	4000	ppbv		
VA2153	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2154	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2155	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2156	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2157	REG	12/3/2012	EPA TO15	Methylene chloride	9900	1700	4000	ppbv		
VA2158	REG	12/3/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2205	REG	12/3/2012	EPA TO15	Methylene chloride	8200	830	2000	ppbv		
VA2206	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2207	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2208	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2209	FD	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2210	REG	12/3/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2245	REG	12/3/2012	EPA TO15	Methylene chloride	15000	1700	4000	ppbv		
VA2246	REG	12/3/2012	EPA TO15	Methylene chloride	12000	1700	4000	ppbv		
VA2247	REG	12/3/2012	EPA TO15	Methylene chloride	16000	3300	8000	ppbv		
VA2248	FD	12/3/2012	EPA TO15	Methylene chloride	27000	3300	8000	ppbv		
VA2249	REG	12/3/2012	EPA TO15	Methylene chloride	78000	3300	8000	ppbv		
VA2250	REG	12/3/2012	EPA TO15	Methylene chloride	6800	830	2000	ppbv		
VA2251	REG	12/3/2012	EPA TO15	Methylene chloride	15000	830	2000	ppbv		
VA1978	REG	12/4/2012	EPA TO15	Methylene chloride	4100	830	2000	ppbv		
VA1979	REG	12/4/2012	EPA TO15	Methylene chloride	ND	170000	400000	ppbv		
VA1980	FD	12/4/2012	EPA TO15	Methylene chloride	ND	170000	400000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	Methylene chloride	ND	3300	8000	ppbv		
VA1982	REG	12/4/2012	EPA TO15	Methylene chloride	12000	830	2000	ppbv		
VA2074	REG	12/4/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2075	REG	12/4/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2076	REG	12/4/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2077	REG	12/4/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2078	REG	12/4/2012	EPA TO15	Methylene chloride	6900	1700	4000	ppbv		
VA2079	REG	12/4/2012	EPA TO15	Methylene chloride	1700	830	2000	ppbv	J	Tr
VA2211	REG	12/4/2012	EPA TO15	Methylene chloride	1000	830	2000	ppbv	J	Tr
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**n-Hexane**	**75**	**1.4**	**4**	**ppbv**		
VA2090	REG	11/29/2012	EPA TO15	n-Hexane	32000	5500	16000	ppbv	J+	S
VA2091	REG	11/29/2012	EPA TO15	n-Hexane	18000	550	1600	ppbv		
VA2092	FD	11/29/2012	EPA TO15	n-Hexane	20000	550	1600	ppbv		
VA2093	REG	11/29/2012	EPA TO15	n-Hexane	1300000	28000	80000	ppbv		

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Detected Trip Blank Results and Associated Sample Results
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**n-Hexane**	**75**	**1.4**	**4**	**ppbv**		
VA2127	REG	11/29/2012	EPA TO15	n-Hexane	1100	280	800	ppbv		
VA2128	REG	11/29/2012	EPA TO15	n-Hexane	110	28	80	ppbv	U	K3
VA2129	REG	11/29/2012	EPA TO15	n-Hexane	85	28	80	ppbv	U	K3
VA2130	REG	11/29/2012	EPA TO15	n-Hexane	90	28	80	ppbv	U	K3
VA2131	REG	11/29/2012	EPA TO15	n-Hexane	ND	28	80	ppbv	U	K3
VA2132	REG	12/3/2012	EPA TO15	n-Hexane	68000	5500	16000	ppbv		
VA2133	REG	12/3/2012	EPA TO15	n-Hexane	1400	28	80	ppbv		
VA2134	REG	12/3/2012	EPA TO15	n-Hexane	490	28	80	ppbv		
VA2135	FD	12/3/2012	EPA TO15	n-Hexane	890	28	80	ppbv		
VA2136	REG	12/3/2012	EPA TO15	n-Hexane	420	28	80	ppbv		
VA2137	REG	12/3/2012	EPA TO15	n-Hexane	410	28	80	ppbv		
VA2138	REG	12/3/2012	EPA TO15	n-Hexane	12000	550	1600	ppbv		
VA2139	REG	12/3/2012	EPA TO15	n-Hexane	19000	550	1600	ppbv		
VA2153	REG	12/3/2012	EPA TO15	n-Hexane	580	28	80	ppbv		
VA2154	REG	12/3/2012	EPA TO15	n-Hexane	820	28	80	ppbv		
VA2155	REG	12/3/2012	EPA TO15	n-Hexane	350	28	80	ppbv	U	K3
VA2156	REG	12/3/2012	EPA TO15	n-Hexane	230	28	80	ppbv	U	K3
VA2157	REG	12/3/2012	EPA TO15	n-Hexane	17000	550	1600	ppbv		
VA2158	REG	12/3/2012	EPA TO15	n-Hexane	20000	550	1600	ppbv		
VA2205	REG	12/3/2012	EPA TO15	n-Hexane	5500	280	800	ppbv		
VA2206	REG	12/3/2012	EPA TO15	n-Hexane	4300	280	800	ppbv	J+	S
VA2207	REG	12/3/2012	EPA TO15	n-Hexane	1600	28	80	ppbv	J+	S
VA2208	REG	12/3/2012	EPA TO15	n-Hexane	1600	28	80	ppbv	J+	S
VA2209	FD	12/3/2012	EPA TO15	n-Hexane	5300	280	800	ppbv	J+	S
VA2210	REG	12/3/2012	EPA TO15	n-Hexane	810	28	80	ppbv	J+	S
VA2245	REG	12/3/2012	EPA TO15	n-Hexane	12000	550	1600	ppbv		
VA2246	REG	12/3/2012	EPA TO15	n-Hexane	7600	550	1600	ppbv		
VA2247	REG	12/3/2012	EPA TO15	n-Hexane	12000	280	800	ppbv		
VA2248	FD	12/3/2012	EPA TO15	n-Hexane	14000	280	800	ppbv		
VA2249	REG	12/3/2012	EPA TO15	n-Hexane	8000	280	800	ppbv		
VA2250	REG	12/3/2012	EPA TO15	n-Hexane	4800	280	800	ppbv		
VA2251	REG	12/3/2012	EPA TO15	n-Hexane	6300	280	800	ppbv		
VA1978	REG	12/4/2012	EPA TO15	n-Hexane	4000	280	800	ppbv		
VA1979	REG	12/4/2012	EPA TO15	n-Hexane	410000	55000	160000	ppbv		
VA1980	FD	12/4/2012	EPA TO15	n-Hexane	370000	55000	160000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	n-Hexane	99000	5500	16000	ppbv		
VA1982	REG	12/4/2012	EPA TO15	n-Hexane	5400	280	800	ppbv		
VA2074	REG	12/4/2012	EPA TO15	n-Hexane	210	28	80	ppbv	U	K3

Appendix B3 - Table 4
Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**n-Hexane**	**75**	**1.4**	**4**	**ppbv**		
VA2075	REG	12/4/2012	EPA TO15	n-Hexane	210	28	80	ppbv	U	K3
VA2076	REG	12/4/2012	EPA TO15	n-Hexane	240	28	80	ppbv	U	K3
VA2077	REG	12/4/2012	EPA TO15	n-Hexane	220	28	80	ppbv	U	K3
VA2078	REG	12/4/2012	EPA TO15	n-Hexane	3300	550	1600	ppbv		
VA2079	REG	12/4/2012	EPA TO15	n-Hexane	32000	550	1600	ppbv		
VA2211	REG	12/4/2012	EPA TO15	n-Hexane	800	280	800	ppbv		
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**o-Xylene**	**2.7**	**0.52**	**2**	**ppbv**		
VA2090	REG	11/29/2012	EPA TO15	o-Xylene	2300	210	800	ppbv	J+	S
VA2091	REG	11/29/2012	EPA TO15	o-Xylene	6100	210	800	ppbv		
VA2092	FD	11/29/2012	EPA TO15	o-Xylene	6800	210	800	ppbv		
VA2093	REG	11/29/2012	EPA TO15	o-Xylene	ND	10000	40000	ppbv		
VA2127	REG	11/29/2012	EPA TO15	o-Xylene	ND	100	400	ppbv		
VA2128	REG	11/29/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2129	REG	11/29/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2130	REG	11/29/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2131	REG	11/29/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2132	REG	12/3/2012	EPA TO15	o-Xylene	ND	2100	8000	ppbv		
VA2133	REG	12/3/2012	EPA TO15	o-Xylene	69	10	40	ppbv		
VA2134	REG	12/3/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2135	FD	12/3/2012	EPA TO15	o-Xylene	60	10	40	ppbv		
VA2136	REG	12/3/2012	EPA TO15	o-Xylene	46	10	40	ppbv		
VA2137	REG	12/3/2012	EPA TO15	o-Xylene	47	10	40	ppbv		
VA2138	REG	12/3/2012	EPA TO15	o-Xylene	ND	210	800	ppbv		
VA2139	REG	12/3/2012	EPA TO15	o-Xylene	ND	210	800	ppbv		
VA2153	REG	12/3/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2154	REG	12/3/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2155	REG	12/3/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2156	REG	12/3/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2157	REG	12/3/2012	EPA TO15	o-Xylene	ND	210	800	ppbv		
VA2158	REG	12/3/2012	EPA TO15	o-Xylene	ND	210	800	ppbv		
VA2205	REG	12/3/2012	EPA TO15	o-Xylene	1200	100	400	ppbv		
VA2206	REG	12/3/2012	EPA TO15	o-Xylene	1200	10	40	ppbv	J+	S
VA2207	REG	12/3/2012	EPA TO15	o-Xylene	790	10	40	ppbv	J+	S
VA2208	REG	12/3/2012	EPA TO15	o-Xylene	960	10	40	ppbv	J+	S
VA2209	FD	12/3/2012	EPA TO15	o-Xylene	1300	10	40	ppbv	J+	S
VA2210	REG	12/3/2012	EPA TO15	o-Xylene	560	10	40	ppbv	J+	S
VA2245	REG	12/3/2012	EPA TO15	o-Xylene	ND	210	800	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**o-Xylene**	**2.7**	**0.52**	**2**	**ppbv**		
VA2246	REG	12/3/2012	EPA TO15	o-Xylene	800	210	800	ppbv		
VA2247	REG	12/3/2012	EPA TO15	o-Xylene	1300	100	400	ppbv		
VA2248	FD	12/3/2012	EPA TO15	o-Xylene	1500	100	400	ppbv		
VA2249	REG	12/3/2012	EPA TO15	o-Xylene	1500	100	400	ppbv		
VA2250	REG	12/3/2012	EPA TO15	o-Xylene	1200	100	400	ppbv		
VA2251	REG	12/3/2012	EPA TO15	o-Xylene	1000	100	400	ppbv		
VA1978	REG	12/4/2012	EPA TO15	o-Xylene	ND	100	400	ppbv		
VA1979	REG	12/4/2012	EPA TO15	o-Xylene	ND	21000	80000	ppbv		
VA1980	FD	12/4/2012	EPA TO15	o-Xylene	ND	21000	80000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	o-Xylene	ND	410	1600	ppbv		
VA1982	REG	12/4/2012	EPA TO15	o-Xylene	1500	100	400	ppbv		
VA2074	REG	12/4/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2075	REG	12/4/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2076	REG	12/4/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2077	REG	12/4/2012	EPA TO15	o-Xylene	ND	10	40	ppbv		
VA2078	REG	12/4/2012	EPA TO15	o-Xylene	ND	210	800	ppbv		
VA2079	REG	12/4/2012	EPA TO15	o-Xylene	ND	100	400	ppbv		
VA2211	REG	12/4/2012	EPA TO15	o-Xylene	400	100	400	ppbv		
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Toluene**	**46**	**0.32**	**2**	**ppbv**		
VA2090	REG	11/29/2012	EPA TO15	Toluene	34000	130	800	ppbv	J+	S
VA2091	REG	11/29/2012	EPA TO15	Toluene	29000	130	800	ppbv		
VA2092	FD	11/29/2012	EPA TO15	Toluene	32000	130	800	ppbv		
VA2093	REG	11/29/2012	EPA TO15	Toluene	460000	6300	40000	ppbv		
VA2127	REG	11/29/2012	EPA TO15	Toluene	1300	63	400	ppbv		
VA2128	REG	11/29/2012	EPA TO15	Toluene	350	6.3	40	ppbv		
VA2129	REG	11/29/2012	EPA TO15	Toluene	300	6.3	40	ppbv		
VA2130	REG	11/29/2012	EPA TO15	Toluene	250	6.3	40	ppbv		
VA2131	REG	11/29/2012	EPA TO15	Toluene	190	6.3	40	ppbv	U	K3
VA2132	REG	12/3/2012	EPA TO15	Toluene	40000	1300	8000	ppbv		
VA2133	REG	12/3/2012	EPA TO15	Toluene	5100	63	400	ppbv		
VA2134	REG	12/3/2012	EPA TO15	Toluene	1100	6.3	40	ppbv		
VA2135	FD	12/3/2012	EPA TO15	Toluene	1800	6.3	40	ppbv		
VA2136	REG	12/3/2012	EPA TO15	Toluene	1300	6.3	40	ppbv		
VA2137	REG	12/3/2012	EPA TO15	Toluene	1200	6.3	40	ppbv		
VA2138	REG	12/3/2012	EPA TO15	Toluene	2600	130	800	ppbv		
VA2139	REG	12/3/2012	EPA TO15	Toluene	5300	130	800	ppbv		
VA2153	REG	12/3/2012	EPA TO15	Toluene	810	6.3	40	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Toluene**	**46**	**0.32**	**2**	**ppbv**		
VA2154	REG	12/3/2012	EPA TO15	Toluene	700	6.3	40	ppbv		
VA2155	REG	12/3/2012	EPA TO15	Toluene	660	6.3	40	ppbv		
VA2156	REG	12/3/2012	EPA TO15	Toluene	510	6.3	40	ppbv		
VA2157	REG	12/3/2012	EPA TO15	Toluene	1200	130	800	ppbv		
VA2158	REG	12/3/2012	EPA TO15	Toluene	8800	130	800	ppbv		
VA2205	REG	12/3/2012	EPA TO15	Toluene	13000	63	400	ppbv		
VA2206	REG	12/3/2012	EPA TO15	Toluene	15000	63	400	ppbv	J+	S
VA2207	REG	12/3/2012	EPA TO15	Toluene	10000	63	400	ppbv	J+	S
VA2208	REG	12/3/2012	EPA TO15	Toluene	14000	63	400	ppbv	J+	S
VA2209	FD	12/3/2012	EPA TO15	Toluene	18000	63	400	ppbv	J+	S
VA2210	REG	12/3/2012	EPA TO15	Toluene	10000	63	400	ppbv	J+	S
VA2245	REG	12/3/2012	EPA TO15	Toluene	19000	130	800	ppbv		
VA2246	REG	12/3/2012	EPA TO15	Toluene	16000	130	800	ppbv		
VA2247	REG	12/3/2012	EPA TO15	Toluene	16000	63	400	ppbv		
VA2248	FD	12/3/2012	EPA TO15	Toluene	17000	63	400	ppbv		
VA2249	REG	12/3/2012	EPA TO15	Toluene	15000	63	400	ppbv		
VA2250	REG	12/3/2012	EPA TO15	Toluene	13000	63	400	ppbv		
VA2251	REG	12/3/2012	EPA TO15	Toluene	12000	63	400	ppbv		
VA1978	REG	12/4/2012	EPA TO15	Toluene	4600	63	400	ppbv		
VA1979	REG	12/4/2012	EPA TO15	Toluene	180000	13000	80000	ppbv		
VA1980	FD	12/4/2012	EPA TO15	Toluene	140000	13000	80000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	Toluene	56000	250	1600	ppbv		
VA1982	REG	12/4/2012	EPA TO15	Toluene	14000	63	400	ppbv		
VA2074	REG	12/4/2012	EPA TO15	Toluene	310	6.3	40	ppbv		
VA2075	REG	12/4/2012	EPA TO15	Toluene	310	6.3	40	ppbv		
VA2076	REG	12/4/2012	EPA TO15	Toluene	390	6.3	40	ppbv		
VA2077	REG	12/4/2012	EPA TO15	Toluene	350	6.3	40	ppbv		
VA2078	REG	12/4/2012	EPA TO15	Toluene	910	130	800	ppbv		
VA2079	REG	12/4/2012	EPA TO15	Toluene	11000	63	400	ppbv		
VA2211	REG	12/4/2012	EPA TO15	Toluene	3900	63	400	ppbv		
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Xylenes, Total**	**11**	**1.6**	**6**	**ppbv**		
VA2090	REG	11/29/2012	EPA TO15	Xylenes, Total	9900	630	2400	ppbv	J+	S
VA2091	REG	11/29/2012	EPA TO15	Xylenes, Total	22000	630	2400	ppbv		
VA2092	FD	11/29/2012	EPA TO15	Xylenes, Total	25000	630	2400	ppbv		
VA2093	REG	11/29/2012	EPA TO15	Xylenes, Total	42000	31000	120000	ppbv	J	Tr
VA2127	REG	11/29/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2128	REG	11/29/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv	U	K3

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Xylenes, Total**	**11**	**1.6**	**6**	**ppbv**		
VA2129	REG	11/29/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv	U	K3
VA2130	REG	11/29/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv		
VA2131	REG	11/29/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv		
VA2132	REG	12/3/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		
VA2133	REG	12/3/2012	EPA TO15	Xylenes, Total	280	31	120	ppbv		
VA2134	REG	12/3/2012	EPA TO15	Xylenes, Total	92	31	120	ppbv	J	Tr
VA2135	FD	12/3/2012	EPA TO15	Xylenes, Total	240	31	120	ppbv		
VA2136	REG	12/3/2012	EPA TO15	Xylenes, Total	180	31	120	ppbv		
VA2137	REG	12/3/2012	EPA TO15	Xylenes, Total	180	31	120	ppbv		
VA2138	REG	12/3/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2139	REG	12/3/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2153	REG	12/3/2012	EPA TO15	Xylenes, Total	85	31	120	ppbv	J	Tr
VA2154	REG	12/3/2012	EPA TO15	Xylenes, Total	78	31	120	ppbv	J	Tr
VA2155	REG	12/3/2012	EPA TO15	Xylenes, Total	76	31	120	ppbv	J	Tr
VA2156	REG	12/3/2012	EPA TO15	Xylenes, Total	61	31	120	ppbv	J	Tr
VA2157	REG	12/3/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2158	REG	12/3/2012	EPA TO15	Xylenes, Total	1600	630	2400	ppbv	J	Tr
VA2205	REG	12/3/2012	EPA TO15	Xylenes, Total	4800	310	1200	ppbv		
VA2206	REG	12/3/2012	EPA TO15	Xylenes, Total	4100	31	120	ppbv	J+	S
VA2207	REG	12/3/2012	EPA TO15	Xylenes, Total	2800	31	120	ppbv	J+	S
VA2208	REG	12/3/2012	EPA TO15	Xylenes, Total	3300	31	120	ppbv	J+	S
VA2209	FD	12/3/2012	EPA TO15	Xylenes, Total	4200	31	120	ppbv	J+	S
VA2210	REG	12/3/2012	EPA TO15	Xylenes, Total	2000	31	120	ppbv	J+	S
VA2245	REG	12/3/2012	EPA TO15	Xylenes, Total	2800	630	2400	ppbv		
VA2246	REG	12/3/2012	EPA TO15	Xylenes, Total	3600	630	2400	ppbv		
VA2247	REG	12/3/2012	EPA TO15	Xylenes, Total	5500	310	1200	ppbv		
VA2248	FD	12/3/2012	EPA TO15	Xylenes, Total	6400	310	1200	ppbv		
VA2249	REG	12/3/2012	EPA TO15	Xylenes, Total	6200	310	1200	ppbv		
VA2250	REG	12/3/2012	EPA TO15	Xylenes, Total	5300	310	1200	ppbv		
VA2251	REG	12/3/2012	EPA TO15	Xylenes, Total	4500	310	1200	ppbv		
VA1978	REG	12/4/2012	EPA TO15	Xylenes, Total	840	310	1200	ppbv	J	Tr
VA1979	REG	12/4/2012	EPA TO15	Xylenes, Total	ND	63000	240000	ppbv		
VA1980	FD	12/4/2012	EPA TO15	Xylenes, Total	ND	63000	240000	ppbv		
VA1981	REG	12/4/2012	EPA TO15	Xylenes, Total	4300	1300	4800	ppbv	J	Tr
VA1982	REG	12/4/2012	EPA TO15	Xylenes, Total	6300	310	1200	ppbv		
VA2074	REG	12/4/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv		
VA2075	REG	12/4/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv		
VA2076	REG	12/4/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8107-TB	**TB**	**11/29/2012**	**EPA TO15**	**Xylenes, Total**	**11**	**1.6**	**6**	**ppbv**		
VA2077	REG	12/4/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv		
VA2078	REG	12/4/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2079	REG	12/4/2012	EPA TO15	Xylenes, Total	730	310	1200	ppbv	J	Tr
VA2211	REG	12/4/2012	EPA TO15	Xylenes, Total	1700	310	1200	ppbv		
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Acetone**	**4.4**	**0.43**	**1**	**ppbv**		
VA2219	REG	12/4/2012	EPA TO15	Acetone	960	170	400	ppbv		
VA2220	REG	12/4/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2221	REG	12/4/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2222	REG	12/4/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2223	REG	12/4/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2224	REG	12/4/2012	EPA TO15	Acetone	4200	340	800	ppbv		
VA2000	REG	12/5/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2001	REG	12/5/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2002	FD	12/5/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2003	REG	12/5/2012	EPA TO15	Acetone	68	17	40	ppbv		
VA2004	REG	12/5/2012	EPA TO15	Acetone	4700	170	400	ppbv		
VA2026	REG	12/5/2012	EPA TO15	Acetone	4500	340	800	ppbv		
VA2159	REG	12/5/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2160	REG	12/5/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2161	REG	12/5/2012	EPA TO15	Acetone	61	17	40	ppbv		
VA2162	REG	12/5/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2163	FD	12/5/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2164	REG	12/5/2012	EPA TO15	Acetone	10000	3400	8000	ppbv		
VA2165	REG	12/5/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA2185	REG	12/5/2012	EPA TO15	Acetone	1800	170	400	ppbv		
VA2186	REG	12/5/2012	EPA TO15	Acetone	1900	170	400	ppbv		
VA2187	FD	12/5/2012	EPA TO15	Acetone	2000	170	400	ppbv		
VA2225	REG	12/5/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2226	REG	12/5/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2227	FD	12/5/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2228	REG	12/5/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA2229	REG	12/5/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA2230	REG	12/5/2012	EPA TO15	Acetone	1600	340	800	ppbv		
VA2231	REG	12/5/2012	EPA TO15	Acetone	1300	340	800	ppbv		
VA1987	REG	12/6/2012	EPA TO15	Acetone	200000	8600	20000	ppbv		
VA1988	REG	12/6/2012	EPA TO15	Acetone	2000000	69000	160000	ppbv		
VA1989	REG	12/6/2012	EPA TO15	Acetone	2800000	69000	160000	ppbv	J-	H

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VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Acetone**	**4.4**	**0.43**	**1**	**ppbv**		
VA1990	FD	12/6/2012	EPA TO15	Acetone	2800000	69000	160000	ppbv	J-	H
VA1991	REG	12/6/2012	EPA TO15	Acetone	2900000	34000	80000	ppbv		
VA2188	REG	12/6/2012	EPA TO15	Acetone	1800	170	400	ppbv		
VA2189	REG	12/6/2012	EPA TO15	Acetone	3700	170	400	ppbv		
VA2190	REG	12/6/2012	EPA TO15	Acetone	3500	170	400	ppbv		
VA2191	REG	12/6/2012	EPA TO15	Acetone	1000	340	800	ppbv	J-	H
VA2192	REG	12/6/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2193	REG	12/6/2012	EPA TO15	Acetone	1000	340	800	ppbv		
VA2194	REG	12/6/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Benzene**	**12**	**0.13**	**1**	**ppbv**		
VA2219	REG	12/4/2012	EPA TO15	Benzene	450	50	400	ppbv		
VA2220	REG	12/4/2012	EPA TO15	Benzene	190	5	40	ppbv		
VA2221	REG	12/4/2012	EPA TO15	Benzene	160	5	40	ppbv		
VA2222	REG	12/4/2012	EPA TO15	Benzene	200	5	40	ppbv		
VA2223	REG	12/4/2012	EPA TO15	Benzene	190	5	40	ppbv		
VA2224	REG	12/4/2012	EPA TO15	Benzene	7600	100	800	ppbv		
VA2000	REG	12/5/2012	EPA TO15	Benzene	170	5	40	ppbv		
VA2001	REG	12/5/2012	EPA TO15	Benzene	260	5	40	ppbv		
VA2002	FD	12/5/2012	EPA TO15	Benzene	150	5	40	ppbv		
VA2003	REG	12/5/2012	EPA TO15	Benzene	1500	5	40	ppbv		
VA2004	REG	12/5/2012	EPA TO15	Benzene	2000	50	400	ppbv		
VA2026	REG	12/5/2012	EPA TO15	Benzene	15000	100	800	ppbv		
VA2159	REG	12/5/2012	EPA TO15	Benzene	170	5	40	ppbv		
VA2160	REG	12/5/2012	EPA TO15	Benzene	130	5	40	ppbv		
VA2161	REG	12/5/2012	EPA TO15	Benzene	200	5	40	ppbv		
VA2162	REG	12/5/2012	EPA TO15	Benzene	130	5	40	ppbv		
VA2163	FD	12/5/2012	EPA TO15	Benzene	160	5	40	ppbv		
VA2164	REG	12/5/2012	EPA TO15	Benzene	360000	1000	8000	ppbv		
VA2165	REG	12/5/2012	EPA TO15	Benzene	300000	1000	8000	ppbv		
VA2185	REG	12/5/2012	EPA TO15	Benzene	14000	50	400	ppbv		
VA2186	REG	12/5/2012	EPA TO15	Benzene	16000	50	400	ppbv		
VA2187	FD	12/5/2012	EPA TO15	Benzene	17000	50	400	ppbv		
VA2225	REG	12/5/2012	EPA TO15	Benzene	5400	100	800	ppbv		
VA2226	REG	12/5/2012	EPA TO15	Benzene	3900	100	800	ppbv		
VA2227	FD	12/5/2012	EPA TO15	Benzene	5200	100	800	ppbv		
VA2228	REG	12/5/2012	EPA TO15	Benzene	2800	200	1600	ppbv		
VA2229	REG	12/5/2012	EPA TO15	Benzene	2500	200	1600	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Benzene**	**12**	**0.13**	**1**	**ppbv**		
VA2230	REG	12/5/2012	EPA TO15	Benzene	2500	100	800	ppbv		
VA2231	REG	12/5/2012	EPA TO15	Benzene	2400	100	800	ppbv		
VA1987	REG	12/6/2012	EPA TO15	Benzene	69000	2500	20000	ppbv		
VA1988	REG	12/6/2012	EPA TO15	Benzene	840000	20000	160000	ppbv		
VA1989	REG	12/6/2012	EPA TO15	Benzene	270000	1000	8000	ppbv		
VA1990	FD	12/6/2012	EPA TO15	Benzene	270000	1000	8000	ppbv		
VA1991	REG	12/6/2012	EPA TO15	Benzene	950000	10000	80000	ppbv		
VA2188	REG	12/6/2012	EPA TO15	Benzene	2900	50	400	ppbv		
VA2189	REG	12/6/2012	EPA TO15	Benzene	2700	50	400	ppbv		
VA2190	REG	12/6/2012	EPA TO15	Benzene	2500	50	400	ppbv		
VA2191	REG	12/6/2012	EPA TO15	Benzene	1700	100	800	ppbv	J-	H
VA2192	REG	12/6/2012	EPA TO15	Benzene	3400	100	800	ppbv		
VA2193	REG	12/6/2012	EPA TO15	Benzene	2500	100	800	ppbv		
VA2194	REG	12/6/2012	EPA TO15	Benzene	2300	100	800	ppbv		
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Cyclohexane**	**36**	**0.68**	**2**	**ppbv**		
VA2219	REG	12/4/2012	EPA TO15	Cyclohexane	1000	270	800	ppbv		
VA2220	REG	12/4/2012	EPA TO15	Cyclohexane	470	27	80	ppbv		
VA2221	REG	12/4/2012	EPA TO15	Cyclohexane	410	27	80	ppbv		
VA2222	REG	12/4/2012	EPA TO15	Cyclohexane	590	27	80	ppbv		
VA2223	REG	12/4/2012	EPA TO15	Cyclohexane	650	27	80	ppbv		
VA2224	REG	12/4/2012	EPA TO15	Cyclohexane	22000	550	1600	ppbv		
VA2000	REG	12/5/2012	EPA TO15	Cyclohexane	350	27	80	ppbv		
VA2001	REG	12/5/2012	EPA TO15	Cyclohexane	570	27	80	ppbv		
VA2002	FD	12/5/2012	EPA TO15	Cyclohexane	330	27	80	ppbv		
VA2003	REG	12/5/2012	EPA TO15	Cyclohexane	5100	270	800	ppbv		
VA2004	REG	12/5/2012	EPA TO15	Cyclohexane	4500	270	800	ppbv		
VA2026	REG	12/5/2012	EPA TO15	Cyclohexane	29000	550	1600	ppbv		
VA2159	REG	12/5/2012	EPA TO15	Cyclohexane	290	27	80	ppbv		
VA2160	REG	12/5/2012	EPA TO15	Cyclohexane	240	27	80	ppbv		
VA2161	REG	12/5/2012	EPA TO15	Cyclohexane	440	27	80	ppbv		
VA2162	REG	12/5/2012	EPA TO15	Cyclohexane	250	27	80	ppbv		
VA2163	FD	12/5/2012	EPA TO15	Cyclohexane	310	27	80	ppbv		
VA2164	REG	12/5/2012	EPA TO15	Cyclohexane	530000	14000	40000	ppbv		
VA2165	REG	12/5/2012	EPA TO15	Cyclohexane	1500000	27000	80000	ppbv		
VA2185	REG	12/5/2012	EPA TO15	Cyclohexane	30000	550	1600	ppbv		
VA2186	REG	12/5/2012	EPA TO15	Cyclohexane	16000	550	1600	ppbv	J-	H
VA2187	FD	12/5/2012	EPA TO15	Cyclohexane	25000	550	1600	ppbv	J-	H

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Cyclohexane**	**36**	**0.68**	**2**	**ppbv**		
VA2225	REG	12/5/2012	EPA TO15	Cyclohexane	11000	550	1600	ppbv		
VA2226	REG	12/5/2012	EPA TO15	Cyclohexane	8600	550	1600	ppbv		
VA2227	FD	12/5/2012	EPA TO15	Cyclohexane	12000	550	1600	ppbv		
VA2228	REG	12/5/2012	EPA TO15	Cyclohexane	6100	1100	3200	ppbv		
VA2229	REG	12/5/2012	EPA TO15	Cyclohexane	5600	1100	3200	ppbv		
VA2230	REG	12/5/2012	EPA TO15	Cyclohexane	5400	550	1600	ppbv		
VA2231	REG	12/5/2012	EPA TO15	Cyclohexane	5100	550	1600	ppbv		
VA1987	REG	12/6/2012	EPA TO15	Cyclohexane	480000	14000	40000	ppbv		
VA1988	REG	12/6/2012	EPA TO15	Cyclohexane	3700000	110000	320000	ppbv		
VA1989	REG	12/6/2012	EPA TO15	Cyclohexane	2000000	110000	320000	ppbv	J-	H
VA1990	FD	12/6/2012	EPA TO15	Cyclohexane	1900000	110000	320000	ppbv	J-	H
VA1991	REG	12/6/2012	EPA TO15	Cyclohexane	5100000	110000	320000	ppbv	J-	H
VA2188	REG	12/6/2012	EPA TO15	Cyclohexane	4300	270	800	ppbv		
VA2189	REG	12/6/2012	EPA TO15	Cyclohexane	5200	270	800	ppbv		
VA2190	REG	12/6/2012	EPA TO15	Cyclohexane	4300	270	800	ppbv		
VA2191	REG	12/6/2012	EPA TO15	Cyclohexane	6600	550	1600	ppbv	J-	H
VA2192	REG	12/6/2012	EPA TO15	Cyclohexane	8000	550	1600	ppbv		
VA2193	REG	12/6/2012	EPA TO15	Cyclohexane	6100	550	1600	ppbv		
VA2194	REG	12/6/2012	EPA TO15	Cyclohexane	5200	550	1600	ppbv		
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Heptane**	**30**	**0.25**	**1**	**ppbv**		
VA2219	REG	12/4/2012	EPA TO15	Heptane	670	100	400	ppbv		
VA2220	REG	12/4/2012	EPA TO15	Heptane	310	10	40	ppbv		
VA2221	REG	12/4/2012	EPA TO15	Heptane	260	10	40	ppbv		
VA2222	REG	12/4/2012	EPA TO15	Heptane	330	10	40	ppbv		
VA2223	REG	12/4/2012	EPA TO15	Heptane	260	10	40	ppbv		
VA2224	REG	12/4/2012	EPA TO15	Heptane	14000	200	800	ppbv		
VA2000	REG	12/5/2012	EPA TO15	Heptane	390	10	40	ppbv		
VA2001	REG	12/5/2012	EPA TO15	Heptane	600	10	40	ppbv		
VA2002	FD	12/5/2012	EPA TO15	Heptane	350	10	40	ppbv		
VA2003	REG	12/5/2012	EPA TO15	Heptane	1900	10	40	ppbv		
VA2004	REG	12/5/2012	EPA TO15	Heptane	4900	100	400	ppbv		
VA2026	REG	12/5/2012	EPA TO15	Heptane	27000	200	800	ppbv		
VA2159	REG	12/5/2012	EPA TO15	Heptane	200	10	40	ppbv		
VA2160	REG	12/5/2012	EPA TO15	Heptane	160	10	40	ppbv		
VA2161	REG	12/5/2012	EPA TO15	Heptane	300	10	40	ppbv		
VA2162	REG	12/5/2012	EPA TO15	Heptane	170	10	40	ppbv		
VA2163	FD	12/5/2012	EPA TO15	Heptane	200	10	40	ppbv		

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VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Heptane**	**30**	**0.25**	**1**	**ppbv**		
VA2164	REG	12/5/2012	EPA TO15	Heptane	420000	5000	20000	ppbv		
VA2165	REG	12/5/2012	EPA TO15	Heptane	930000	10000	40000	ppbv		
VA2185	REG	12/5/2012	EPA TO15	Heptane	33000	200	800	ppbv		
VA2186	REG	12/5/2012	EPA TO15	Heptane	19000	200	800	ppbv	J-	H
VA2187	FD	12/5/2012	EPA TO15	Heptane	28000	200	800	ppbv	J-	H
VA2225	REG	12/5/2012	EPA TO15	Heptane	12000	200	800	ppbv		
VA2226	REG	12/5/2012	EPA TO15	Heptane	9500	200	800	ppbv		
VA2227	FD	12/5/2012	EPA TO15	Heptane	13000	200	800	ppbv		
VA2228	REG	12/5/2012	EPA TO15	Heptane	7200	400	1600	ppbv		
VA2229	REG	12/5/2012	EPA TO15	Heptane	6500	400	1600	ppbv		
VA2230	REG	12/5/2012	EPA TO15	Heptane	6200	200	800	ppbv		
VA2231	REG	12/5/2012	EPA TO15	Heptane	5000	200	800	ppbv		
VA1987	REG	12/6/2012	EPA TO15	Heptane	280000	5000	20000	ppbv		
VA1988	REG	12/6/2012	EPA TO15	Heptane	1600000	40000	160000	ppbv		
VA1989	REG	12/6/2012	EPA TO15	Heptane	3000000	40000	160000	ppbv	J-	H
VA1990	FD	12/6/2012	EPA TO15	Heptane	2800000	40000	160000	ppbv	J-	H
VA1991	REG	12/6/2012	EPA TO15	Heptane	3500000	20000	80000	ppbv		
VA2188	REG	12/6/2012	EPA TO15	Heptane	5600	100	400	ppbv		
VA2189	REG	12/6/2012	EPA TO15	Heptane	5500	100	400	ppbv		
VA2190	REG	12/6/2012	EPA TO15	Heptane	6500	100	400	ppbv		
VA2191	REG	12/6/2012	EPA TO15	Heptane	4300	200	800	ppbv	J-	H
VA2192	REG	12/6/2012	EPA TO15	Heptane	9500	200	800	ppbv		
VA2193	REG	12/6/2012	EPA TO15	Heptane	7000	200	800	ppbv		
VA2194	REG	12/6/2012	EPA TO15	Heptane	6400	200	800	ppbv		
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**m,p-Xylene**	**2.7**	**0.52**	**2**	**ppbv**		
VA2219	REG	12/4/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2220	REG	12/4/2012	EPA TO15	m,p-Xylene	99	21	80	ppbv		
VA2221	REG	12/4/2012	EPA TO15	m,p-Xylene	75	21	80	ppbv	J	Tr
VA2222	REG	12/4/2012	EPA TO15	m,p-Xylene	92	21	80	ppbv		
VA2223	REG	12/4/2012	EPA TO15	m,p-Xylene	96	21	80	ppbv		
VA2224	REG	12/4/2012	EPA TO15	m,p-Xylene	2400	420	1600	ppbv		
VA2000	REG	12/5/2012	EPA TO15	m,p-Xylene	720	21	80	ppbv		
VA2001	REG	12/5/2012	EPA TO15	m,p-Xylene	870	21	80	ppbv		
VA2002	FD	12/5/2012	EPA TO15	m,p-Xylene	420	21	80	ppbv		
VA2003	REG	12/5/2012	EPA TO15	m,p-Xylene	950	21	80	ppbv		
VA2004	REG	12/5/2012	EPA TO15	m,p-Xylene	1200	210	800	ppbv		
VA2026	REG	12/5/2012	EPA TO15	m,p-Xylene	9900	420	1600	ppbv		

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VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**m,p-Xylene**	**2.7**	**0.52**	**2**	**ppbv**		
VA2159	REG	12/5/2012	EPA TO15	m,p-Xylene	130	21	80	ppbv		
VA2160	REG	12/5/2012	EPA TO15	m,p-Xylene	120	21	80	ppbv		
VA2161	REG	12/5/2012	EPA TO15	m,p-Xylene	160	21	80	ppbv		
VA2162	REG	12/5/2012	EPA TO15	m,p-Xylene	120	21	80	ppbv		
VA2163	FD	12/5/2012	EPA TO15	m,p-Xylene	140	21	80	ppbv		
VA2164	REG	12/5/2012	EPA TO15	m,p-Xylene	81000	4200	16000	ppbv		
VA2165	REG	12/5/2012	EPA TO15	m,p-Xylene	16000	4200	16000	ppbv		
VA2185	REG	12/5/2012	EPA TO15	m,p-Xylene	2900	210	800	ppbv		
VA2186	REG	12/5/2012	EPA TO15	m,p-Xylene	3400	210	800	ppbv		
VA2187	FD	12/5/2012	EPA TO15	m,p-Xylene	2500	210	800	ppbv		
VA2225	REG	12/5/2012	EPA TO15	m,p-Xylene	5100	420	1600	ppbv		
VA2226	REG	12/5/2012	EPA TO15	m,p-Xylene	5300	420	1600	ppbv		
VA2227	FD	12/5/2012	EPA TO15	m,p-Xylene	7400	420	1600	ppbv		
VA2228	REG	12/5/2012	EPA TO15	m,p-Xylene	5300	840	3200	ppbv		
VA2229	REG	12/5/2012	EPA TO15	m,p-Xylene	4700	840	3200	ppbv		
VA2230	REG	12/5/2012	EPA TO15	m,p-Xylene	4000	420	1600	ppbv		
VA2231	REG	12/5/2012	EPA TO15	m,p-Xylene	2800	420	1600	ppbv		
VA1987	REG	12/6/2012	EPA TO15	m,p-Xylene	ND	10000	40000	ppbv		
VA1988	REG	12/6/2012	EPA TO15	m,p-Xylene	ND	84000	320000	ppbv		
VA1989	REG	12/6/2012	EPA TO15	m,p-Xylene	77000	4200	16000	ppbv		
VA1990	FD	12/6/2012	EPA TO15	m,p-Xylene	53000	4200	16000	ppbv		
VA1991	REG	12/6/2012	EPA TO15	m,p-Xylene	83000	42000	160000	ppbv	J	Tr
VA2188	REG	12/6/2012	EPA TO15	m,p-Xylene	670	210	800	ppbv	J	Tr
VA2189	REG	12/6/2012	EPA TO15	m,p-Xylene	530	210	800	ppbv	J	Tr
VA2190	REG	12/6/2012	EPA TO15	m,p-Xylene	850	210	800	ppbv		
VA2191	REG	12/6/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv	UJ	H
VA2192	REG	12/6/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2193	REG	12/6/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2194	REG	12/6/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Methylene chloride**	**4.5**	**2.1**	**5**	**ppbv**	**J**	**Tr**
VA2219	REG	12/4/2012	EPA TO15	Methylene chloride	1700	830	2000	ppbv	J	Tr
VA2220	REG	12/4/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2221	REG	12/4/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2222	REG	12/4/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2223	REG	12/4/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2224	REG	12/4/2012	EPA TO15	Methylene chloride	8500	1700	4000	ppbv		
VA2000	REG	12/5/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Methylene chloride**	**4.5**	**2.1**	**5**	**ppbv**	**J**	**Tr**
VA2001	REG	12/5/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2002	FD	12/5/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2003	REG	12/5/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2004	REG	12/5/2012	EPA TO15	Methylene chloride	8700	830	2000	ppbv		
VA2026	REG	12/5/2012	EPA TO15	Methylene chloride	24000	1700	4000	ppbv		
VA2159	REG	12/5/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2160	REG	12/5/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2161	REG	12/5/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2162	REG	12/5/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2163	FD	12/5/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2164	REG	12/5/2012	EPA TO15	Methylene chloride	39000	17000	40000	ppbv	J	Tr
VA2165	REG	12/5/2012	EPA TO15	Methylene chloride	ND	17000	40000	ppbv		
VA2185	REG	12/5/2012	EPA TO15	Methylene chloride	6100	830	2000	ppbv		
VA2186	REG	12/5/2012	EPA TO15	Methylene chloride	8100	830	2000	ppbv		
VA2187	FD	12/5/2012	EPA TO15	Methylene chloride	11000	830	2000	ppbv		
VA2225	REG	12/5/2012	EPA TO15	Methylene chloride	2900	1700	4000	ppbv	J	Tr
VA2226	REG	12/5/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2227	FD	12/5/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2228	REG	12/5/2012	EPA TO15	Methylene chloride	ND	3300	8000	ppbv		
VA2229	REG	12/5/2012	EPA TO15	Methylene chloride	ND	3300	8000	ppbv		
VA2230	REG	12/5/2012	EPA TO15	Methylene chloride	12000	1700	4000	ppbv		
VA2231	REG	12/5/2012	EPA TO15	Methylene chloride	5600	1700	4000	ppbv		
VA1987	REG	12/6/2012	EPA TO15	Methylene chloride	ND	42000	100000	ppbv		
VA1988	REG	12/6/2012	EPA TO15	Methylene chloride	ND	330000	800000	ppbv		
VA1989	REG	12/6/2012	EPA TO15	Methylene chloride	ND	17000	40000	ppbv		
VA1990	FD	12/6/2012	EPA TO15	Methylene chloride	ND	17000	40000	ppbv		
VA1991	REG	12/6/2012	EPA TO15	Methylene chloride	ND	170000	400000	ppbv		
VA2188	REG	12/6/2012	EPA TO15	Methylene chloride	9700	830	2000	ppbv		
VA2189	REG	12/6/2012	EPA TO15	Methylene chloride	8200	830	2000	ppbv		
VA2190	REG	12/6/2012	EPA TO15	Methylene chloride	4200	830	2000	ppbv		
VA2191	REG	12/6/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv	UJ	H
VA2192	REG	12/6/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2193	REG	12/6/2012	EPA TO15	Methylene chloride	4000	1700	4000	ppbv		
VA2194	REG	12/6/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**n-Hexane**	**17**	**0.69**	**2**	**ppbv**		
VA2219	REG	12/4/2012	EPA TO15	n-Hexane	1100	280	800	ppbv		
VA2220	REG	12/4/2012	EPA TO15	n-Hexane	440	28	80	ppbv		

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VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**n-Hexane**	**17**	**0.69**	**2**	**ppbv**		
VA2221	REG	12/4/2012	EPA TO15	n-Hexane	370	28	80	ppbv		
VA2222	REG	12/4/2012	EPA TO15	n-Hexane	500	28	80	ppbv		
VA2223	REG	12/4/2012	EPA TO15	n-Hexane	440	28	80	ppbv		
VA2224	REG	12/4/2012	EPA TO15	n-Hexane	10000	550	1600	ppbv		
VA2000	REG	12/5/2012	EPA TO15	n-Hexane	140	28	80	ppbv		
VA2001	REG	12/5/2012	EPA TO15	n-Hexane	230	28	80	ppbv		
VA2002	FD	12/5/2012	EPA TO15	n-Hexane	140	28	80	ppbv		
VA2003	REG	12/5/2012	EPA TO15	n-Hexane	3300	280	800	ppbv		
VA2004	REG	12/5/2012	EPA TO15	n-Hexane	3300	280	800	ppbv		
VA2026	REG	12/5/2012	EPA TO15	n-Hexane	19000	550	1600	ppbv		
VA2159	REG	12/5/2012	EPA TO15	n-Hexane	210	28	80	ppbv		
VA2160	REG	12/5/2012	EPA TO15	n-Hexane	160	28	80	ppbv		
VA2161	REG	12/5/2012	EPA TO15	n-Hexane	280	28	80	ppbv		
VA2162	REG	12/5/2012	EPA TO15	n-Hexane	170	28	80	ppbv		
VA2163	FD	12/5/2012	EPA TO15	n-Hexane	190	28	80	ppbv		
VA2164	REG	12/5/2012	EPA TO15	n-Hexane	280000	14000	40000	ppbv		
VA2165	REG	12/5/2012	EPA TO15	n-Hexane	1500000	28000	80000	ppbv		
VA2185	REG	12/5/2012	EPA TO15	n-Hexane	20000	280	800	ppbv		
VA2186	REG	12/5/2012	EPA TO15	n-Hexane	13000	550	1600	ppbv	J-	H
VA2187	FD	12/5/2012	EPA TO15	n-Hexane	20000	550	1600	ppbv	J-	H
VA2225	REG	12/5/2012	EPA TO15	n-Hexane	6000	550	1600	ppbv		
VA2226	REG	12/5/2012	EPA TO15	n-Hexane	4000	550	1600	ppbv		
VA2227	FD	12/5/2012	EPA TO15	n-Hexane	5800	550	1600	ppbv		
VA2228	REG	12/5/2012	EPA TO15	n-Hexane	2900	1100	3200	ppbv	J	Tr
VA2229	REG	12/5/2012	EPA TO15	n-Hexane	2700	1100	3200	ppbv	J	Tr
VA2230	REG	12/5/2012	EPA TO15	n-Hexane	3400	550	1600	ppbv		
VA2231	REG	12/5/2012	EPA TO15	n-Hexane	2900	550	1600	ppbv		
VA1987	REG	12/6/2012	EPA TO15	n-Hexane	180000	14000	40000	ppbv		
VA1988	REG	12/6/2012	EPA TO15	n-Hexane	4100000	110000	320000	ppbv		
VA1989	REG	12/6/2012	EPA TO15	n-Hexane	770000	110000	320000	ppbv	J-	H
VA1990	FD	12/6/2012	EPA TO15	n-Hexane	630000	110000	320000	ppbv	J-	H
VA1991	REG	12/6/2012	EPA TO15	n-Hexane	1600000	55000	160000	ppbv		
VA2188	REG	12/6/2012	EPA TO15	n-Hexane	4000	280	800	ppbv		
VA2189	REG	12/6/2012	EPA TO15	n-Hexane	5600	280	800	ppbv		
VA2190	REG	12/6/2012	EPA TO15	n-Hexane	3500	280	800	ppbv		
VA2191	REG	12/6/2012	EPA TO15	n-Hexane	5300	550	1600	ppbv	J-	H
VA2192	REG	12/6/2012	EPA TO15	n-Hexane	5400	550	1600	ppbv		
VA2193	REG	12/6/2012	EPA TO15	n-Hexane	5800	550	1600	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**n-Hexane**	**17**	**0.69**	**2**	**ppbv**		
VA2194	REG	12/6/2012	EPA TO15	n-Hexane	3400	550	1600	ppbv		
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Toluene**	**21**	**0.16**	**1**	**ppbv**		
VA2219	REG	12/4/2012	EPA TO15	Toluene	2300	63	400	ppbv		
VA2220	REG	12/4/2012	EPA TO15	Toluene	1000	6.3	40	ppbv		
VA2221	REG	12/4/2012	EPA TO15	Toluene	830	6.3	40	ppbv		
VA2222	REG	12/4/2012	EPA TO15	Toluene	1000	6.3	40	ppbv		
VA2223	REG	12/4/2012	EPA TO15	Toluene	910	6.3	40	ppbv		
VA2224	REG	12/4/2012	EPA TO15	Toluene	16000	130	800	ppbv		
VA2000	REG	12/5/2012	EPA TO15	Toluene	1200	6.3	40	ppbv		
VA2001	REG	12/5/2012	EPA TO15	Toluene	1600	6.3	40	ppbv		
VA2002	FD	12/5/2012	EPA TO15	Toluene	870	6.3	40	ppbv		
VA2003	REG	12/5/2012	EPA TO15	Toluene	5500	63	400	ppbv		
VA2004	REG	12/5/2012	EPA TO15	Toluene	7300	63	400	ppbv		
VA2026	REG	12/5/2012	EPA TO15	Toluene	31000	1300	8000	ppbv		
VA2159	REG	12/5/2012	EPA TO15	Toluene	710	6.3	40	ppbv		
VA2160	REG	12/5/2012	EPA TO15	Toluene	610	6.3	40	ppbv		
VA2161	REG	12/5/2012	EPA TO15	Toluene	970	6.3	40	ppbv		
VA2162	REG	12/5/2012	EPA TO15	Toluene	650	6.3	40	ppbv		
VA2163	FD	12/5/2012	EPA TO15	Toluene	760	6.3	40	ppbv		
VA2164	REG	12/5/2012	EPA TO15	Toluene	280000	3200	20000	ppbv		
VA2165	REG	12/5/2012	EPA TO15	Toluene	350000	1300	8000	ppbv		
VA2185	REG	12/5/2012	EPA TO15	Toluene	40000	130	800	ppbv		
VA2186	REG	12/5/2012	EPA TO15	Toluene	26000	130	800	ppbv	J-	H
VA2187	FD	12/5/2012	EPA TO15	Toluene	37000	130	800	ppbv	J-	H
VA2225	REG	12/5/2012	EPA TO15	Toluene	21000	130	800	ppbv		
VA2226	REG	12/5/2012	EPA TO15	Toluene	19000	130	800	ppbv		
VA2227	FD	12/5/2012	EPA TO15	Toluene	25000	130	800	ppbv		
VA2228	REG	12/5/2012	EPA TO15	Toluene	16000	250	1600	ppbv		
VA2229	REG	12/5/2012	EPA TO15	Toluene	14000	250	1600	ppbv		
VA2230	REG	12/5/2012	EPA TO15	Toluene	13000	130	800	ppbv		
VA2231	REG	12/5/2012	EPA TO15	Toluene	12000	130	800	ppbv		
VA1987	REG	12/6/2012	EPA TO15	Toluene	220000	3200	20000	ppbv		
VA1988	REG	12/6/2012	EPA TO15	Toluene	720000	25000	160000	ppbv		
VA1989	REG	12/6/2012	EPA TO15	Toluene	1400000	25000	160000	ppbv	J-	H
VA1990	FD	12/6/2012	EPA TO15	Toluene	1200000	25000	160000	ppbv	J-	H
VA1991	REG	12/6/2012	EPA TO15	Toluene	2000000	13000	80000	ppbv		
VA2188	REG	12/6/2012	EPA TO15	Toluene	9100	63	400	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Toluene**	**21**	**0.16**	**1**	**ppbv**		
VA2189	REG	12/6/2012	EPA TO15	Toluene	7200	63	400	ppbv		
VA2190	REG	12/6/2012	EPA TO15	Toluene	10000	63	400	ppbv		
VA2191	REG	12/6/2012	EPA TO15	Toluene	6100	130	800	ppbv	J-	H
VA2192	REG	12/6/2012	EPA TO15	Toluene	9900	130	800	ppbv		
VA2193	REG	12/6/2012	EPA TO15	Toluene	7100	130	800	ppbv		
VA2194	REG	12/6/2012	EPA TO15	Toluene	7100	130	800	ppbv		
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Xylenes, Total**	**2.7**	**0.78**	**3**	**ppbv**	**J**	**Tr**
VA2219	REG	12/4/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2220	REG	12/4/2012	EPA TO15	Xylenes, Total	99	31	120	ppbv	J	Tr
VA2221	REG	12/4/2012	EPA TO15	Xylenes, Total	75	31	120	ppbv	J	Tr
VA2222	REG	12/4/2012	EPA TO15	Xylenes, Total	92	31	120	ppbv	J	Tr
VA2223	REG	12/4/2012	EPA TO15	Xylenes, Total	96	31	120	ppbv	J	Tr
VA2224	REG	12/4/2012	EPA TO15	Xylenes, Total	2400	630	2400	ppbv		
VA2000	REG	12/5/2012	EPA TO15	Xylenes, Total	970	31	120	ppbv		
VA2001	REG	12/5/2012	EPA TO15	Xylenes, Total	1200	31	120	ppbv		
VA2002	FD	12/5/2012	EPA TO15	Xylenes, Total	560	31	120	ppbv		
VA2003	REG	12/5/2012	EPA TO15	Xylenes, Total	1300	31	120	ppbv		
VA2004	REG	12/5/2012	EPA TO15	Xylenes, Total	1200	310	1200	ppbv		
VA2026	REG	12/5/2012	EPA TO15	Xylenes, Total	13000	630	2400	ppbv		
VA2159	REG	12/5/2012	EPA TO15	Xylenes, Total	130	31	120	ppbv		
VA2160	REG	12/5/2012	EPA TO15	Xylenes, Total	120	31	120	ppbv		
VA2161	REG	12/5/2012	EPA TO15	Xylenes, Total	210	31	120	ppbv		
VA2162	REG	12/5/2012	EPA TO15	Xylenes, Total	120	31	120	ppbv		
VA2163	FD	12/5/2012	EPA TO15	Xylenes, Total	140	31	120	ppbv		
VA2164	REG	12/5/2012	EPA TO15	Xylenes, Total	98000	6300	24000	ppbv		
VA2165	REG	12/5/2012	EPA TO15	Xylenes, Total	16000	6300	24000	ppbv	J	Tr
VA2185	REG	12/5/2012	EPA TO15	Xylenes, Total	3500	310	1200	ppbv		
VA2186	REG	12/5/2012	EPA TO15	Xylenes, Total	4200	310	1200	ppbv		
VA2187	FD	12/5/2012	EPA TO15	Xylenes, Total	3000	310	1200	ppbv		
VA2225	REG	12/5/2012	EPA TO15	Xylenes, Total	6500	630	2400	ppbv		
VA2226	REG	12/5/2012	EPA TO15	Xylenes, Total	6800	630	2400	ppbv		
VA2227	FD	12/5/2012	EPA TO15	Xylenes, Total	9600	630	2400	ppbv		
VA2228	REG	12/5/2012	EPA TO15	Xylenes, Total	5300	1300	4800	ppbv		
VA2229	REG	12/5/2012	EPA TO15	Xylenes, Total	4700	1300	4800	ppbv	J	Tr
VA2230	REG	12/5/2012	EPA TO15	Xylenes, Total	5200	630	2400	ppbv		
VA2231	REG	12/5/2012	EPA TO15	Xylenes, Total	3700	630	2400	ppbv		
VA1987	REG	12/6/2012	EPA TO15	Xylenes, Total	ND	16000	60000	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8108-TB	**TB**	**12/4/2012**	**EPA TO15**	**Xylenes, Total**	**2.7**	**0.78**	**3**	**ppbv**	**J**	**Tr**
VA1988	REG	12/6/2012	EPA TO15	Xylenes, Total	ND	130000	480000	ppbv		
VA1989	REG	12/6/2012	EPA TO15	Xylenes, Total	93000	6300	24000	ppbv		
VA1990	FD	12/6/2012	EPA TO15	Xylenes, Total	64000	6300	24000	ppbv		
VA1991	REG	12/6/2012	EPA TO15	Xylenes, Total	83000	63000	240000	ppbv	J	Tr
VA2188	REG	12/6/2012	EPA TO15	Xylenes, Total	670	310	1200	ppbv	J	Tr
VA2189	REG	12/6/2012	EPA TO15	Xylenes, Total	530	310	1200	ppbv	J	Tr
VA2190	REG	12/6/2012	EPA TO15	Xylenes, Total	850	310	1200	ppbv	J	Tr
VA2191	REG	12/6/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv	UJ	H
VA2192	REG	12/6/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2193	REG	12/6/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2194	REG	12/6/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**2-Butanone**	**36**	**1.1**	**4**	**ppbv**		
VA2195	REG	12/6/2012	EPA TO15	2-Butanone	ND	230	800	ppbv	UJ	H
VA2196	REG	12/6/2012	EPA TO15	2-Butanone	ND	110	400	ppbv	UJ	H
VA2197	REG	12/10/2012	EPA TO15	2-Butanone	920	110	400	ppbv		
VA2198	REG	12/10/2012	EPA TO15	2-Butanone	1600	110	400	ppbv		
VA2199	FD	12/10/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2200	REG	12/10/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2202	REG	12/10/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2203	REG	12/10/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2204	REG	12/10/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2232	REG	12/10/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2233	REG	12/10/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2234	REG	12/10/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2235	REG	12/10/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2236	FD	12/10/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2237	REG	12/10/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA1962	REG	12/11/2012	EPA TO15	2-Butanone	1000	230	800	ppbv		
VA1963	REG	12/11/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA1964	REG	12/11/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA1965	REG	12/11/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA1966	REG	12/11/2012	EPA TO15	2-Butanone	ND	460	1600	ppbv		
VA1967	REG	12/11/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA1968	REG	12/11/2012	EPA TO15	2-Butanone	ND	2300	8000	ppbv		
VA1969	FD	12/11/2012	EPA TO15	2-Butanone	ND	2300	8000	ppbv		
VA1970	REG	12/11/2012	EPA TO15	2-Butanone	ND	2300	8000	ppbv		
VA1992	REG	12/11/2012	EPA TO15	2-Butanone	900	230	800	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**2-Butanone**	**36**	**1.1**	**4**	**ppbv**		
VA1993	REG	12/11/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA1994	REG	12/11/2012	EPA TO15	2-Butanone	ND	460	1600	ppbv		
VA1995	REG	12/11/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2023	REG	12/11/2012	EPA TO15	2-Butanone	ND	2300	8000	ppbv		
VA2024	FD	12/11/2012	EPA TO15	2-Butanone	ND	2300	8000	ppbv		
VA2048	REG	12/11/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2049	REG	12/11/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2050	REG	12/11/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2051	REG	12/11/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2052	REG	12/11/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2053	REG	12/11/2012	EPA TO15	2-Butanone	ND	460	1600	ppbv		
VA2094	REG	12/11/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2095	REG	12/11/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2096	REG	12/11/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2097	REG	12/11/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2098	REG	12/11/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2099	REG	12/11/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2238	REG	12/11/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2054	REG	12/12/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2055	REG	12/12/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2056	REG	12/12/2012	EPA TO15	2-Butanone	ND	57	200	ppbv		
VA2057	FD	12/12/2012	EPA TO15	2-Butanone	ND	57	200	ppbv		
VA2058	REG	12/12/2012	EPA TO15	2-Butanone	ND	460	1600	ppbv		
VA2059	REG	12/12/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2060	REG	12/12/2012	EPA TO15	2-Butanone	ND	2300	8000	ppbv		
VA2100	REG	12/12/2012	EPA TO15	2-Butanone	ND	460	1600	ppbv		
VA2101	REG	12/12/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2102	REG	12/12/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2103	REG	12/12/2012	EPA TO15	2-Butanone	ND	460	1600	ppbv		
VA2104	REG	12/12/2012	EPA TO15	2-Butanone	ND	460	1600	ppbv		
VA2105	FD	12/12/2012	EPA TO15	2-Butanone	ND	460	1600	ppbv		
VA2106	REG	12/12/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2239	REG	12/12/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2240	REG	12/12/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2241	REG	12/12/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2242	REG	12/12/2012	EPA TO15	2-Butanone	ND	11	40	ppbv		
VA2243	REG	12/12/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2244	REG	12/12/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**2-Butanone**	**36**	**1.1**	**4**	**ppbv**		
VA2252	REG	12/12/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2253	REG	12/12/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2254	REG	12/12/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2255	REG	12/12/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2256	REG	12/12/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2257	REG	12/12/2012	EPA TO15	2-Butanone	ND	460	1600	ppbv		
VA2258	FD	12/12/2012	EPA TO15	2-Butanone	ND	460	1600	ppbv		
VA1950	REG	12/13/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA1951	REG	12/13/2012	EPA TO15	2-Butanone	ND	5700	20000	ppbv		
VA1952	REG	12/13/2012	EPA TO15	2-Butanone	ND	2300	8000	ppbv		
VA1971	REG	12/13/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA1972	REG	12/13/2012	EPA TO15	2-Butanone	ND	2300	8000	ppbv		
VA1973	REG	12/13/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2166	REG	12/13/2012	EPA TO15	2-Butanone	ND	110	400	ppbv		
VA2167	REG	12/13/2012	EPA TO15	2-Butanone	ND	57	200	ppbv		
VA2168	REG	12/13/2012	EPA TO15	2-Butanone	ND	57	200	ppbv		
VA2169	REG	12/13/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2170	REG	12/13/2012	EPA TO15	2-Butanone	ND	230	800	ppbv		
VA2171	REG	12/13/2012	EPA TO15	2-Butanone	ND	2300	8000	ppbv		
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Acetone**	**580**	**17**	**40**	**ppbv**	**J-**	**H**
VA2195	REG	12/6/2012	EPA TO15	Acetone	2800	340	800	ppbv	UJ	HK3
VA2196	REG	12/6/2012	EPA TO15	Acetone	2000	170	400	ppbv	UJ	HK3
VA2197	REG	12/10/2012	EPA TO15	Acetone	6000	170	400	ppbv		
VA2198	REG	12/10/2012	EPA TO15	Acetone	11000	170	400	ppbv		
VA2199	FD	12/10/2012	EPA TO15	Acetone	2700	170	400	ppbv	U	K3
VA2200	REG	12/10/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2202	REG	12/10/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2203	REG	12/10/2012	EPA TO15	Acetone	1500	170	400	ppbv	U	K3
VA2204	REG	12/10/2012	EPA TO15	Acetone	2000	340	800	ppbv	U	K3
VA2232	REG	12/10/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2233	REG	12/10/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2234	REG	12/10/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2235	REG	12/10/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2236	FD	12/10/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2237	REG	12/10/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA1962	REG	12/11/2012	EPA TO15	Acetone	4100	340	800	ppbv	U	K3
VA1963	REG	12/11/2012	EPA TO15	Acetone	2700	340	800	ppbv	U	K3

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Acetone**	**580**	**17**	**40**	**ppbv**	**J-**	**H**
VA1964	REG	12/11/2012	EPA TO15	Acetone	3300	340	800	ppbv	U	K3
VA1965	REG	12/11/2012	EPA TO15	Acetone	50	17	40	ppbv	U	K3
VA1966	REG	12/11/2012	EPA TO15	Acetone	6200	690	1600	ppbv		
VA1967	REG	12/11/2012	EPA TO15	Acetone	5500	340	800	ppbv	U	K3
VA1968	REG	12/11/2012	EPA TO15	Acetone	11000	3400	8000	ppbv		
VA1969	FD	12/11/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA1970	REG	12/11/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA1992	REG	12/11/2012	EPA TO15	Acetone	1500	340	800	ppbv	U	K3
VA1993	REG	12/11/2012	EPA TO15	Acetone	880	340	800	ppbv	U	K3
VA1994	REG	12/11/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA1995	REG	12/11/2012	EPA TO15	Acetone	11000	340	800	ppbv		
VA2023	REG	12/11/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA2024	FD	12/11/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA2048	REG	12/11/2012	EPA TO15	Acetone	ND	170	400	ppbv		
VA2049	REG	12/11/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2050	REG	12/11/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2051	REG	12/11/2012	EPA TO15	Acetone	ND	170	400	ppbv		
VA2052	REG	12/11/2012	EPA TO15	Acetone	420	170	400	ppbv	U	K3
VA2053	REG	12/11/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA2094	REG	12/11/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2095	REG	12/11/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2096	REG	12/11/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2097	REG	12/11/2012	EPA TO15	Acetone	1600	340	800	ppbv	U	K3
VA2098	REG	12/11/2012	EPA TO15	Acetone	1600	170	400	ppbv	U	K3
VA2099	REG	12/11/2012	EPA TO15	Acetone	2000	170	400	ppbv	U	K3
VA2238	REG	12/11/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2054	REG	12/12/2012	EPA TO15	Acetone	510	170	400	ppbv	U	K3
VA2055	REG	12/12/2012	EPA TO15	Acetone	2200	170	400	ppbv	U	K3
VA2056	REG	12/12/2012	EPA TO15	Acetone	210	86	200	ppbv	U	K3
VA2057	FD	12/12/2012	EPA TO15	Acetone	ND	86	200	ppbv		
VA2058	REG	12/12/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA2059	REG	12/12/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2060	REG	12/12/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA2100	REG	12/12/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA2101	REG	12/12/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2102	REG	12/12/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2103	REG	12/12/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA2104	REG	12/12/2012	EPA TO15	Acetone	ND	690	1600	ppbv		

Appendix B3 - Table 4
Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Acetone**	**580**	**17**	**40**	**ppbv**	**J-**	**H**
VA2105	FD	12/12/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA2106	REG	12/12/2012	EPA TO15	Acetone	1300	340	800	ppbv	U	K3
VA2239	REG	12/12/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2240	REG	12/12/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2241	REG	12/12/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2242	REG	12/12/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2243	REG	12/12/2012	EPA TO15	Acetone	1400	340	800	ppbv	U	K3
VA2244	REG	12/12/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2252	REG	12/12/2012	EPA TO15	Acetone	960	340	800	ppbv	U	K3
VA2253	REG	12/12/2012	EPA TO15	Acetone	2000	170	400	ppbv	U	K3
VA2254	REG	12/12/2012	EPA TO15	Acetone	860	170	400	ppbv	U	K3
VA2255	REG	12/12/2012	EPA TO15	Acetone	510	170	400	ppbv	U	K3
VA2256	REG	12/12/2012	EPA TO15	Acetone	1100	340	800	ppbv	U	K3
VA2257	REG	12/12/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA2258	FD	12/12/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA1950	REG	12/13/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA1951	REG	12/13/2012	EPA TO15	Acetone	ND	8600	20000	ppbv		
VA1952	REG	12/13/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA1971	REG	12/13/2012	EPA TO15	Acetone	720	170	400	ppbv	U	K3
VA1972	REG	12/13/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA1973	REG	12/13/2012	EPA TO15	Acetone	1700	340	800	ppbv	U	K3
VA2166	REG	12/13/2012	EPA TO15	Acetone	960	170	400	ppbv	U	K3
VA2167	REG	12/13/2012	EPA TO15	Acetone	360	86	200	ppbv	U	K3
VA2168	REG	12/13/2012	EPA TO15	Acetone	ND	86	200	ppbv	U	K3
VA2169	REG	12/13/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2170	REG	12/13/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2171	REG	12/13/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Benzene**	**120**	**0.5**	**4**	**ppbv**		
VA2195	REG	12/6/2012	EPA TO15	Benzene	1800	100	800	ppbv	J-	H
VA2196	REG	12/6/2012	EPA TO15	Benzene	1000	50	400	ppbv	J-	H
VA2197	REG	12/10/2012	EPA TO15	Benzene	970	50	400	ppbv		
VA2198	REG	12/10/2012	EPA TO15	Benzene	1100	50	400	ppbv		
VA2199	FD	12/10/2012	EPA TO15	Benzene	470	50	400	ppbv	U	K3
VA2200	REG	12/10/2012	EPA TO15	Benzene	340	5	40	ppbv	U	K3
VA2202	REG	12/10/2012	EPA TO15	Benzene	400	5	40	ppbv	U	K3
VA2203	REG	12/10/2012	EPA TO15	Benzene	410	50	400	ppbv	U	K3
VA2204	REG	12/10/2012	EPA TO15	Benzene	1000	100	800	ppbv		

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Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Benzene**	**120**	**0.5**	**4**	**ppbv**		
VA2232	REG	12/10/2012	EPA TO15	Benzene	280	5	40	ppbv	U	K3
VA2233	REG	12/10/2012	EPA TO15	Benzene	220	5	40	ppbv	U	K3
VA2234	REG	12/10/2012	EPA TO15	Benzene	170	5	40	ppbv	U	K3
VA2235	REG	12/10/2012	EPA TO15	Benzene	1200	5	40	ppbv		
VA2236	FD	12/10/2012	EPA TO15	Benzene	1300	5	40	ppbv		
VA2237	REG	12/10/2012	EPA TO15	Benzene	310	5	40	ppbv	U	K3
VA1962	REG	12/11/2012	EPA TO15	Benzene	3600	100	800	ppbv		
VA1963	REG	12/11/2012	EPA TO15	Benzene	3000	100	800	ppbv		
VA1964	REG	12/11/2012	EPA TO15	Benzene	2400	100	800	ppbv		
VA1965	REG	12/11/2012	EPA TO15	Benzene	93	5	40	ppbv	U	K3
VA1966	REG	12/11/2012	EPA TO15	Benzene	3600	200	1600	ppbv		
VA1967	REG	12/11/2012	EPA TO15	Benzene	3500	100	800	ppbv		
VA1968	REG	12/11/2012	EPA TO15	Benzene	46000	1000	8000	ppbv		
VA1969	FD	12/11/2012	EPA TO15	Benzene	92000	1000	8000	ppbv		
VA1970	REG	12/11/2012	EPA TO15	Benzene	98000	1000	8000	ppbv		
VA1992	REG	12/11/2012	EPA TO15	Benzene	15000	100	800	ppbv		
VA1993	REG	12/11/2012	EPA TO15	Benzene	12000	100	800	ppbv		
VA1994	REG	12/11/2012	EPA TO15	Benzene	8300	200	1600	ppbv		
VA1995	REG	12/11/2012	EPA TO15	Benzene	ND	100	800	ppbv		
VA2023	REG	12/11/2012	EPA TO15	Benzene	10000	1000	8000	ppbv		
VA2024	FD	12/11/2012	EPA TO15	Benzene	9800	1000	8000	ppbv		
VA2048	REG	12/11/2012	EPA TO15	Benzene	930	50	400	ppbv		
VA2049	REG	12/11/2012	EPA TO15	Benzene	1200	5	40	ppbv		
VA2050	REG	12/11/2012	EPA TO15	Benzene	1900	100	800	ppbv		
VA2051	REG	12/11/2012	EPA TO15	Benzene	1400	50	400	ppbv		
VA2052	REG	12/11/2012	EPA TO15	Benzene	3700	50	400	ppbv		
VA2053	REG	12/11/2012	EPA TO15	Benzene	14000	200	1600	ppbv		
VA2094	REG	12/11/2012	EPA TO15	Benzene	360	5	40	ppbv	U	K3
VA2095	REG	12/11/2012	EPA TO15	Benzene	380	5	40	ppbv	U	K3
VA2096	REG	12/11/2012	EPA TO15	Benzene	580	5	40	ppbv	U	K3
VA2097	REG	12/11/2012	EPA TO15	Benzene	46000	1000	8000	ppbv		
VA2098	REG	12/11/2012	EPA TO15	Benzene	3600	50	400	ppbv		
VA2099	REG	12/11/2012	EPA TO15	Benzene	3800	50	400	ppbv		
VA2238	REG	12/11/2012	EPA TO15	Benzene	330	5	40	ppbv	U	K3
VA2054	REG	12/12/2012	EPA TO15	Benzene	710	50	400	ppbv		
VA2055	REG	12/12/2012	EPA TO15	Benzene	520	50	400	ppbv	U	K3
VA2056	REG	12/12/2012	EPA TO15	Benzene	660	25	200	ppbv		
VA2057	FD	12/12/2012	EPA TO15	Benzene	480	25	200	ppbv	U	K3

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Detected Trip Blank Results and Associated Sample Results
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Benzene**	**120**	**0.5**	**4**	**ppbv**		
VA2058	REG	12/12/2012	EPA TO15	Benzene	17000	200	1600	ppbv		
VA2059	REG	12/12/2012	EPA TO15	Benzene	16000	100	800	ppbv		
VA2060	REG	12/12/2012	EPA TO15	Benzene	83000	1000	8000	ppbv		
VA2100	REG	12/12/2012	EPA TO15	Benzene	6100	200	1600	ppbv		
VA2101	REG	12/12/2012	EPA TO15	Benzene	3400	100	800	ppbv		
VA2102	REG	12/12/2012	EPA TO15	Benzene	3200	100	800	ppbv		
VA2103	REG	12/12/2012	EPA TO15	Benzene	29000	200	1600	ppbv		
VA2104	REG	12/12/2012	EPA TO15	Benzene	13000	200	1600	ppbv		
VA2105	FD	12/12/2012	EPA TO15	Benzene	23000	200	1600	ppbv		
VA2106	REG	12/12/2012	EPA TO15	Benzene	9600	100	800	ppbv		
VA2239	REG	12/12/2012	EPA TO15	Benzene	210	5	40	ppbv	U	K3
VA2240	REG	12/12/2012	EPA TO15	Benzene	260	5	40	ppbv	U	K3
VA2241	REG	12/12/2012	EPA TO15	Benzene	280	5	40	ppbv	U	K3
VA2242	REG	12/12/2012	EPA TO15	Benzene	270	5	40	ppbv	U	K3
VA2243	REG	12/12/2012	EPA TO15	Benzene	21000	100	800	ppbv		
VA2244	REG	12/12/2012	EPA TO15	Benzene	ND	100	800	ppbv		
VA2252	REG	12/12/2012	EPA TO15	Benzene	1400	100	800	ppbv		
VA2253	REG	12/12/2012	EPA TO15	Benzene	1900	50	400	ppbv		
VA2254	REG	12/12/2012	EPA TO15	Benzene	1100	50	400	ppbv		
VA2255	REG	12/12/2012	EPA TO15	Benzene	1400	50	400	ppbv		
VA2256	REG	12/12/2012	EPA TO15	Benzene	2300	100	800	ppbv		
VA2257	REG	12/12/2012	EPA TO15	Benzene	15000	200	1600	ppbv		
VA2258	FD	12/12/2012	EPA TO15	Benzene	11000	200	1600	ppbv		
VA1950	REG	12/13/2012	EPA TO15	Benzene	5100	100	800	ppbv		
VA1951	REG	12/13/2012	EPA TO15	Benzene	250000	2500	20000	ppbv		
VA1952	REG	12/13/2012	EPA TO15	Benzene	42000	1000	8000	ppbv		
VA1971	REG	12/13/2012	EPA TO15	Benzene	3300	50	400	ppbv		
VA1972	REG	12/13/2012	EPA TO15	Benzene	36000	1000	8000	ppbv		
VA1973	REG	12/13/2012	EPA TO15	Benzene	4400	100	800	ppbv		
VA2166	REG	12/13/2012	EPA TO15	Benzene	1800	50	400	ppbv		
VA2167	REG	12/13/2012	EPA TO15	Benzene	1600	25	200	ppbv		
VA2168	REG	12/13/2012	EPA TO15	Benzene	850	25	200	ppbv		
VA2169	REG	12/13/2012	EPA TO15	Benzene	1700	100	800	ppbv		
VA2170	REG	12/13/2012	EPA TO15	Benzene	3200	100	800	ppbv		
VA2171	REG	12/13/2012	EPA TO15	Benzene	31000	1000	8000	ppbv		
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Cyclohexane**	**840**	**27**	**80**	**ppbv**	**J-**	**H**
VA2195	REG	12/6/2012	EPA TO15	Cyclohexane	3600	550	1600	ppbv	J-	H

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Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Cyclohexane**	**840**	**27**	**80**	**ppbv**	**J-**	**H**
VA2196	REG	12/6/2012	EPA TO15	Cyclohexane	1800	270	800	ppbv	J-	H
VA2197	REG	12/10/2012	EPA TO15	Cyclohexane	3600	270	800	ppbv	U	K3
VA2198	REG	12/10/2012	EPA TO15	Cyclohexane	4200	270	800	ppbv	U	K3
VA2199	FD	12/10/2012	EPA TO15	Cyclohexane	1000	270	800	ppbv	U	K3
VA2200	REG	12/10/2012	EPA TO15	Cyclohexane	610	27	80	ppbv	U	K3
VA2202	REG	12/10/2012	EPA TO15	Cyclohexane	800	27	80	ppbv	U	K3
VA2203	REG	12/10/2012	EPA TO15	Cyclohexane	870	270	800	ppbv	U	K3
VA2204	REG	12/10/2012	EPA TO15	Cyclohexane	2100	550	1600	ppbv	U	K3
VA2232	REG	12/10/2012	EPA TO15	Cyclohexane	490	27	80	ppbv	U	K3
VA2233	REG	12/10/2012	EPA TO15	Cyclohexane	390	27	80	ppbv	U	K3
VA2234	REG	12/10/2012	EPA TO15	Cyclohexane	290	27	80	ppbv	U	K3
VA2235	REG	12/10/2012	EPA TO15	Cyclohexane	270	27	80	ppbv	U	K3
VA2236	FD	12/10/2012	EPA TO15	Cyclohexane	380	27	80	ppbv	U	K3
VA2237	REG	12/10/2012	EPA TO15	Cyclohexane	260	27	80	ppbv	U	K3
VA1962	REG	12/11/2012	EPA TO15	Cyclohexane	10000	550	1600	ppbv		
VA1963	REG	12/11/2012	EPA TO15	Cyclohexane	13000	550	1600	ppbv		
VA1964	REG	12/11/2012	EPA TO15	Cyclohexane	7100	550	1600	ppbv		
VA1965	REG	12/11/2012	EPA TO15	Cyclohexane	300	27	80	ppbv	U	K3
VA1966	REG	12/11/2012	EPA TO15	Cyclohexane	12000	1100	3200	ppbv		
VA1967	REG	12/11/2012	EPA TO15	Cyclohexane	11000	550	1600	ppbv		
VA1968	REG	12/11/2012	EPA TO15	Cyclohexane	52000	5500	16000	ppbv		
VA1969	FD	12/11/2012	EPA TO15	Cyclohexane	110000	5500	16000	ppbv		
VA1970	REG	12/11/2012	EPA TO15	Cyclohexane	64000	5500	16000	ppbv		
VA1992	REG	12/11/2012	EPA TO15	Cyclohexane	26000	550	1600	ppbv		
VA1993	REG	12/11/2012	EPA TO15	Cyclohexane	20000	550	1600	ppbv		
VA1994	REG	12/11/2012	EPA TO15	Cyclohexane	18000	1100	3200	ppbv		
VA1995	REG	12/11/2012	EPA TO15	Cyclohexane	ND	550	1600	ppbv	U	K3
VA2023	REG	12/11/2012	EPA TO15	Cyclohexane	22000	5500	16000	ppbv		
VA2024	FD	12/11/2012	EPA TO15	Cyclohexane	25000	5500	16000	ppbv		
VA2048	REG	12/11/2012	EPA TO15	Cyclohexane	ND	270	800	ppbv	U	K3
VA2049	REG	12/11/2012	EPA TO15	Cyclohexane	790	27	80	ppbv	U	K3
VA2050	REG	12/11/2012	EPA TO15	Cyclohexane	3300	550	1600	ppbv	U	K3
VA2051	REG	12/11/2012	EPA TO15	Cyclohexane	880	270	800	ppbv	U	K3
VA2052	REG	12/11/2012	EPA TO15	Cyclohexane	5400	270	800	ppbv		
VA2053	REG	12/11/2012	EPA TO15	Cyclohexane	12000	1100	3200	ppbv		
VA2094	REG	12/11/2012	EPA TO15	Cyclohexane	790	27	80	ppbv	U	K3
VA2095	REG	12/11/2012	EPA TO15	Cyclohexane	850	27	80	ppbv	U	K3
VA2096	REG	12/11/2012	EPA TO15	Cyclohexane	910	27	80	ppbv	U	K3

Appendix B3 - Table 4
Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Cyclohexane**	**840**	**27**	**80**	**ppbv**	**J-**	**H**
VA2097	REG	12/11/2012	EPA TO15	Cyclohexane	16000	550	1600	ppbv		
VA2098	REG	12/11/2012	EPA TO15	Cyclohexane	1500	270	800	ppbv	U	K3
VA2099	REG	12/11/2012	EPA TO15	Cyclohexane	2100	270	800	ppbv	U	K3
VA2238	REG	12/11/2012	EPA TO15	Cyclohexane	550	27	80	ppbv	U	K3
VA2054	REG	12/12/2012	EPA TO15	Cyclohexane	1100	270	800	ppbv	U	K3
VA2055	REG	12/12/2012	EPA TO15	Cyclohexane	ND	270	800	ppbv	U	K3
VA2056	REG	12/12/2012	EPA TO15	Cyclohexane	980	140	400	ppbv	U	K3
VA2057	FD	12/12/2012	EPA TO15	Cyclohexane	770	140	400	ppbv	U	K3
VA2058	REG	12/12/2012	EPA TO15	Cyclohexane	32000	1100	3200	ppbv		
VA2059	REG	12/12/2012	EPA TO15	Cyclohexane	5900	550	1600	ppbv		
VA2060	REG	12/12/2012	EPA TO15	Cyclohexane	86000	5500	16000	ppbv		
VA2100	REG	12/12/2012	EPA TO15	Cyclohexane	19000	1100	3200	ppbv		
VA2101	REG	12/12/2012	EPA TO15	Cyclohexane	11000	550	1600	ppbv		
VA2102	REG	12/12/2012	EPA TO15	Cyclohexane	11000	550	1600	ppbv		
VA2103	REG	12/12/2012	EPA TO15	Cyclohexane	19000	1100	3200	ppbv		
VA2104	REG	12/12/2012	EPA TO15	Cyclohexane	7400	1100	3200	ppbv		
VA2105	FD	12/12/2012	EPA TO15	Cyclohexane	17000	1100	3200	ppbv		
VA2106	REG	12/12/2012	EPA TO15	Cyclohexane	9900	550	1600	ppbv		
VA2239	REG	12/12/2012	EPA TO15	Cyclohexane	170	27	80	ppbv	U	K3
VA2240	REG	12/12/2012	EPA TO15	Cyclohexane	230	27	80	ppbv	U	K3
VA2241	REG	12/12/2012	EPA TO15	Cyclohexane	250	27	80	ppbv	U	K3
VA2242	REG	12/12/2012	EPA TO15	Cyclohexane	270	27	80	ppbv	U	K3
VA2243	REG	12/12/2012	EPA TO15	Cyclohexane	17000	550	1600	ppbv		
VA2244	REG	12/12/2012	EPA TO15	Cyclohexane	ND	550	1600	ppbv	U	K3
VA2252	REG	12/12/2012	EPA TO15	Cyclohexane	3700	550	1600	ppbv	U	K3
VA2253	REG	12/12/2012	EPA TO15	Cyclohexane	5500	270	800	ppbv		
VA2254	REG	12/12/2012	EPA TO15	Cyclohexane	3900	270	800	ppbv	U	K3
VA2255	REG	12/12/2012	EPA TO15	Cyclohexane	4100	270	800	ppbv	U	K3
VA2256	REG	12/12/2012	EPA TO15	Cyclohexane	6600	550	1600	ppbv		
VA2257	REG	12/12/2012	EPA TO15	Cyclohexane	12000	1100	3200	ppbv		
VA2258	FD	12/12/2012	EPA TO15	Cyclohexane	16000	1100	3200	ppbv		
VA1950	REG	12/13/2012	EPA TO15	Cyclohexane	13000	550	1600	ppbv		
VA1951	REG	12/13/2012	EPA TO15	Cyclohexane	560000	14000	40000	ppbv		
VA1952	REG	12/13/2012	EPA TO15	Cyclohexane	70000	5500	16000	ppbv		
VA1971	REG	12/13/2012	EPA TO15	Cyclohexane	2500	270	800	ppbv	U	K3
VA1972	REG	12/13/2012	EPA TO15	Cyclohexane	66000	5500	16000	ppbv		
VA1973	REG	12/13/2012	EPA TO15	Cyclohexane	8400	550	1600	ppbv		
VA2166	REG	12/13/2012	EPA TO15	Cyclohexane	960	270	800	ppbv	U	K3

Appendix B3 - Table 4
Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Cyclohexane**	**840**	**27**	**80**	**ppbv**	**J-**	**H**
VA2167	REG	12/13/2012	EPA TO15	Cyclohexane	960	140	400	ppbv	U	K3
VA2168	REG	12/13/2012	EPA TO15	Cyclohexane	580	140	400	ppbv	U	K3
VA2169	REG	12/13/2012	EPA TO15	Cyclohexane	7200	550	1600	ppbv		
VA2170	REG	12/13/2012	EPA TO15	Cyclohexane	5600	550	1600	ppbv		
VA2171	REG	12/13/2012	EPA TO15	Cyclohexane	43000	5500	16000	ppbv		
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Ethylbenzene**	**5.2**	**2.9**	**8**	**ppbv**	**J**	**Tr**
VA2195	REG	12/6/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv	UJ	H
VA2196	REG	12/6/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv	UJ	H
VA2197	REG	12/10/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2198	REG	12/10/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2199	FD	12/10/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2200	REG	12/10/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2202	REG	12/10/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2203	REG	12/10/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2204	REG	12/10/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2232	REG	12/10/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2233	REG	12/10/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2234	REG	12/10/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2235	REG	12/10/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2236	FD	12/10/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2237	REG	12/10/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA1962	REG	12/11/2012	EPA TO15	Ethylbenzene	890	590	1600	ppbv	J	Tr
VA1963	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA1964	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA1965	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA1966	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	1200	3200	ppbv		
VA1967	REG	12/11/2012	EPA TO15	Ethylbenzene	1200	590	1600	ppbv	J	Tr
VA1968	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA1969	FD	12/11/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA1970	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA1992	REG	12/11/2012	EPA TO15	Ethylbenzene	2600	590	1600	ppbv		
VA1993	REG	12/11/2012	EPA TO15	Ethylbenzene	1900	590	1600	ppbv		
VA1994	REG	12/11/2012	EPA TO15	Ethylbenzene	2200	1200	3200	ppbv	J	Tr
VA1995	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2023	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA2024	FD	12/11/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA2048	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Ethylbenzene**	**5.2**	**2.9**	**8**	**ppbv**	**J**	**Tr**
VA2049	REG	12/11/2012	EPA TO15	Ethylbenzene	49	29	80	ppbv	J	Tr
VA2050	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2051	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2052	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2053	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	1200	3200	ppbv		
VA2094	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2095	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2096	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2097	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2098	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2099	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2238	REG	12/11/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2054	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2055	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2056	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	150	400	ppbv		
VA2057	FD	12/12/2012	EPA TO15	Ethylbenzene	ND	150	400	ppbv		
VA2058	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	1200	3200	ppbv		
VA2059	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2060	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA2100	REG	12/12/2012	EPA TO15	Ethylbenzene	1800	1200	3200	ppbv	J	Tr
VA2101	REG	12/12/2012	EPA TO15	Ethylbenzene	1600	590	1600	ppbv		
VA2102	REG	12/12/2012	EPA TO15	Ethylbenzene	1500	590	1600	ppbv	J	Tr
VA2103	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	1200	3200	ppbv		
VA2104	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	1200	3200	ppbv		
VA2105	FD	12/12/2012	EPA TO15	Ethylbenzene	ND	1200	3200	ppbv		
VA2106	REG	12/12/2012	EPA TO15	Ethylbenzene	2000	590	1600	ppbv		
VA2239	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2240	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2241	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2242	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	29	80	ppbv		
VA2243	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2244	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2252	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2253	REG	12/12/2012	EPA TO15	Ethylbenzene	640	290	800	ppbv	J	Tr
VA2254	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2255	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2256	REG	12/12/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2257	REG	12/12/2012	EPA TO15	Ethylbenzene	1600	1200	3200	ppbv	J	Tr

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Ethylbenzene**	**5.2**	**2.9**	**8**	**ppbv**	**J**	**Tr**
VA2258	FD	12/12/2012	EPA TO15	Ethylbenzene	1700	1200	3200	ppbv	J	Tr
VA1950	REG	12/13/2012	EPA TO15	Ethylbenzene	2200	590	1600	ppbv		
VA1951	REG	12/13/2012	EPA TO15	Ethylbenzene	ND	15000	40000	ppbv		
VA1952	REG	12/13/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA1971	REG	12/13/2012	EPA TO15	Ethylbenzene	420	290	800	ppbv	J	Tr
VA1972	REG	12/13/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA1973	REG	12/13/2012	EPA TO15	Ethylbenzene	1300	590	1600	ppbv	J	Tr
VA2166	REG	12/13/2012	EPA TO15	Ethylbenzene	ND	290	800	ppbv		
VA2167	REG	12/13/2012	EPA TO15	Ethylbenzene	ND	150	400	ppbv		
VA2168	REG	12/13/2012	EPA TO15	Ethylbenzene	ND	150	400	ppbv		
VA2169	REG	12/13/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2170	REG	12/13/2012	EPA TO15	Ethylbenzene	ND	590	1600	ppbv		
VA2171	REG	12/13/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Heptane**	**1200**	**10**	**40**	**ppbv**	**J-**	**H**
VA2195	REG	12/6/2012	EPA TO15	Heptane	4300	200	800	ppbv	UJ	HK3
VA2196	REG	12/6/2012	EPA TO15	Heptane	2000	100	400	ppbv	UJ	HK3
VA2197	REG	12/10/2012	EPA TO15	Heptane	4400	100	400	ppbv	U	K3
VA2198	REG	12/10/2012	EPA TO15	Heptane	6100	100	400	ppbv		
VA2199	FD	12/10/2012	EPA TO15	Heptane	1100	100	400	ppbv	U	K3
VA2200	REG	12/10/2012	EPA TO15	Heptane	730	10	40	ppbv	U	K3
VA2202	REG	12/10/2012	EPA TO15	Heptane	940	10	40	ppbv	U	K3
VA2203	REG	12/10/2012	EPA TO15	Heptane	830	100	400	ppbv	U	K3
VA2204	REG	12/10/2012	EPA TO15	Heptane	930	200	800	ppbv	U	K3
VA2232	REG	12/10/2012	EPA TO15	Heptane	570	10	40	ppbv	U	K3
VA2233	REG	12/10/2012	EPA TO15	Heptane	430	10	40	ppbv	U	K3
VA2234	REG	12/10/2012	EPA TO15	Heptane	320	10	40	ppbv	U	K3
VA2235	REG	12/10/2012	EPA TO15	Heptane	280	10	40	ppbv	U	K3
VA2236	FD	12/10/2012	EPA TO15	Heptane	390	10	40	ppbv	U	K3
VA2237	REG	12/10/2012	EPA TO15	Heptane	280	10	40	ppbv	U	K3
VA1962	REG	12/11/2012	EPA TO15	Heptane	20000	200	800	ppbv		
VA1963	REG	12/11/2012	EPA TO15	Heptane	17000	200	800	ppbv		
VA1964	REG	12/11/2012	EPA TO15	Heptane	15000	200	800	ppbv		
VA1965	REG	12/11/2012	EPA TO15	Heptane	500	10	40	ppbv	U	K3
VA1966	REG	12/11/2012	EPA TO15	Heptane	24000	400	1600	ppbv		
VA1967	REG	12/11/2012	EPA TO15	Heptane	23000	200	800	ppbv		
VA1968	REG	12/11/2012	EPA TO15	Heptane	14000	2000	8000	ppbv		
VA1969	FD	12/11/2012	EPA TO15	Heptane	27000	2000	8000	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Heptane**	**1200**	**10**	**40**	**ppbv**	**J-**	**H**
VA1970	REG	12/11/2012	EPA TO15	Heptane	34000	2000	8000	ppbv		
VA1992	REG	12/11/2012	EPA TO15	Heptane	42000	2000	8000	ppbv		
VA1993	REG	12/11/2012	EPA TO15	Heptane	31000	200	800	ppbv		
VA1994	REG	12/11/2012	EPA TO15	Heptane	34000	400	1600	ppbv		
VA1995	REG	12/11/2012	EPA TO15	Heptane	1900	200	800	ppbv	U	K3
VA2023	REG	12/11/2012	EPA TO15	Heptane	32000	2000	8000	ppbv		
VA2024	FD	12/11/2012	EPA TO15	Heptane	37000	2000	8000	ppbv		
VA2048	REG	12/11/2012	EPA TO15	Heptane	710	100	400	ppbv	U	K3
VA2049	REG	12/11/2012	EPA TO15	Heptane	890	10	40	ppbv	U	K3
VA2050	REG	12/11/2012	EPA TO15	Heptane	1000	200	800	ppbv	U	K3
VA2051	REG	12/11/2012	EPA TO15	Heptane	720	100	400	ppbv	U	K3
VA2052	REG	12/11/2012	EPA TO15	Heptane	770	100	400	ppbv	U	K3
VA2053	REG	12/11/2012	EPA TO15	Heptane	3500	400	1600	ppbv	U	K3
VA2094	REG	12/11/2012	EPA TO15	Heptane	910	10	40	ppbv	U	K3
VA2095	REG	12/11/2012	EPA TO15	Heptane	970	10	40	ppbv	U	K3
VA2096	REG	12/11/2012	EPA TO15	Heptane	920	10	40	ppbv	U	K3
VA2097	REG	12/11/2012	EPA TO15	Heptane	1800	200	800	ppbv	U	K3
VA2098	REG	12/11/2012	EPA TO15	Heptane	1000	100	400	ppbv	U	K3
VA2099	REG	12/11/2012	EPA TO15	Heptane	1600	100	400	ppbv	U	K3
VA2238	REG	12/11/2012	EPA TO15	Heptane	670	10	40	ppbv	U	K3
VA2054	REG	12/12/2012	EPA TO15	Heptane	920	100	400	ppbv	U	K3
VA2055	REG	12/12/2012	EPA TO15	Heptane	630	100	400	ppbv	U	K3
VA2056	REG	12/12/2012	EPA TO15	Heptane	920	50	200	ppbv	U	K3
VA2057	FD	12/12/2012	EPA TO15	Heptane	680	50	200	ppbv	U	K3
VA2058	REG	12/12/2012	EPA TO15	Heptane	8100	400	1600	ppbv		
VA2059	REG	12/12/2012	EPA TO15	Heptane	1800	200	800	ppbv	U	K3
VA2060	REG	12/12/2012	EPA TO15	Heptane	32000	2000	8000	ppbv		
VA2100	REG	12/12/2012	EPA TO15	Heptane	34000	400	1600	ppbv		
VA2101	REG	12/12/2012	EPA TO15	Heptane	21000	200	800	ppbv		
VA2102	REG	12/12/2012	EPA TO15	Heptane	20000	200	800	ppbv		
VA2103	REG	12/12/2012	EPA TO15	Heptane	15000	400	1600	ppbv		
VA2104	REG	12/12/2012	EPA TO15	Heptane	4700	400	1600	ppbv	U	K3
VA2105	FD	12/12/2012	EPA TO15	Heptane	15000	400	1600	ppbv		
VA2106	REG	12/12/2012	EPA TO15	Heptane	15000	200	800	ppbv		
VA2239	REG	12/12/2012	EPA TO15	Heptane	190	10	40	ppbv	U	K3
VA2240	REG	12/12/2012	EPA TO15	Heptane	260	10	40	ppbv	U	K3
VA2241	REG	12/12/2012	EPA TO15	Heptane	280	10	40	ppbv	U	K3
VA2242	REG	12/12/2012	EPA TO15	Heptane	290	10	40	ppbv	U	K3

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Heptane**	**1200**	**10**	**40**	**ppbv**	**J-**	**H**
VA2243	REG	12/12/2012	EPA TO15	Heptane	3200	200	800	ppbv	U	K3
VA2244	REG	12/12/2012	EPA TO15	Heptane	ND	200	800	ppbv		
VA2252	REG	12/12/2012	EPA TO15	Heptane	6800	200	800	ppbv		
VA2253	REG	12/12/2012	EPA TO15	Heptane	10000	100	400	ppbv		
VA2254	REG	12/12/2012	EPA TO15	Heptane	4900	100	400	ppbv	U	K3
VA2255	REG	12/12/2012	EPA TO15	Heptane	7800	100	400	ppbv		
VA2256	REG	12/12/2012	EPA TO15	Heptane	12000	200	800	ppbv		
VA2257	REG	12/12/2012	EPA TO15	Heptane	20000	400	1600	ppbv		
VA2258	FD	12/12/2012	EPA TO15	Heptane	25000	400	1600	ppbv		
VA1950	REG	12/13/2012	EPA TO15	Heptane	23000	200	800	ppbv		
VA1951	REG	12/13/2012	EPA TO15	Heptane	120000	5000	20000	ppbv		
VA1952	REG	12/13/2012	EPA TO15	Heptane	33000	2000	8000	ppbv		
VA1971	REG	12/13/2012	EPA TO15	Heptane	4900	100	400	ppbv	U	K3
VA1972	REG	12/13/2012	EPA TO15	Heptane	19000	2000	8000	ppbv		
VA1973	REG	12/13/2012	EPA TO15	Heptane	15000	200	800	ppbv		
VA2166	REG	12/13/2012	EPA TO15	Heptane	1100	100	400	ppbv	U	K3
VA2167	REG	12/13/2012	EPA TO15	Heptane	1100	50	200	ppbv	U	K3
VA2168	REG	12/13/2012	EPA TO15	Heptane	670	50	200	ppbv	U	K3
VA2169	REG	12/13/2012	EPA TO15	Heptane	1400	200	800	ppbv	U	K3
VA2170	REG	12/13/2012	EPA TO15	Heptane	1500	200	800	ppbv	U	K3
VA2171	REG	12/13/2012	EPA TO15	Heptane	26000	2000	8000	ppbv		
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**m,p-Xylene**	**11**	**2.1**	**8**	**ppbv**		
VA2195	REG	12/6/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv	UJ	H
VA2196	REG	12/6/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv	UJ	H
VA2197	REG	12/10/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2198	REG	12/10/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2199	FD	12/10/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2200	REG	12/10/2012	EPA TO15	m,p-Xylene	84	21	80	ppbv		
VA2202	REG	12/10/2012	EPA TO15	m,p-Xylene	88	21	80	ppbv		
VA2203	REG	12/10/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2204	REG	12/10/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2232	REG	12/10/2012	EPA TO15	m,p-Xylene	92	21	80	ppbv		
VA2233	REG	12/10/2012	EPA TO15	m,p-Xylene	70	21	80	ppbv	J	Tr
VA2234	REG	12/10/2012	EPA TO15	m,p-Xylene	57	21	80	ppbv	J	Tr
VA2235	REG	12/10/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv	U	K3
VA2236	FD	12/10/2012	EPA TO15	m,p-Xylene	70	21	80	ppbv	J	Tr
VA2237	REG	12/10/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv	U	K3

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**m,p-Xylene**	**11**	**2.1**	**8**	**ppbv**		
VA1962	REG	12/11/2012	EPA TO15	m,p-Xylene	2300	420	1600	ppbv		
VA1963	REG	12/11/2012	EPA TO15	m,p-Xylene	2000	420	1600	ppbv		
VA1964	REG	12/11/2012	EPA TO15	m,p-Xylene	1900	420	1600	ppbv		
VA1965	REG	12/11/2012	EPA TO15	m,p-Xylene	120	21	80	ppbv		
VA1966	REG	12/11/2012	EPA TO15	m,p-Xylene	3500	840	3200	ppbv		
VA1967	REG	12/11/2012	EPA TO15	m,p-Xylene	3300	420	1600	ppbv		
VA1968	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA1969	FD	12/11/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA1970	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA1992	REG	12/11/2012	EPA TO15	m,p-Xylene	7300	420	1600	ppbv		
VA1993	REG	12/11/2012	EPA TO15	m,p-Xylene	5300	420	1600	ppbv		
VA1994	REG	12/11/2012	EPA TO15	m,p-Xylene	6200	840	3200	ppbv		
VA1995	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2023	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA2024	FD	12/11/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA2048	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2049	REG	12/11/2012	EPA TO15	m,p-Xylene	170	21	80	ppbv		
VA2050	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2051	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2052	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2053	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	840	3200	ppbv		
VA2094	REG	12/11/2012	EPA TO15	m,p-Xylene	74	21	80	ppbv	J	Tr
VA2095	REG	12/11/2012	EPA TO15	m,p-Xylene	88	21	80	ppbv		
VA2096	REG	12/11/2012	EPA TO15	m,p-Xylene	83	21	80	ppbv		
VA2097	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2098	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2099	REG	12/11/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2238	REG	12/11/2012	EPA TO15	m,p-Xylene	64	21	80	ppbv	J	Tr
VA2054	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2055	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2056	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	100	400	ppbv		
VA2057	FD	12/12/2012	EPA TO15	m,p-Xylene	ND	100	400	ppbv		
VA2058	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	840	3200	ppbv		
VA2059	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2060	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA2100	REG	12/12/2012	EPA TO15	m,p-Xylene	4600	840	3200	ppbv		
VA2101	REG	12/12/2012	EPA TO15	m,p-Xylene	4400	420	1600	ppbv		
VA2102	REG	12/12/2012	EPA TO15	m,p-Xylene	4200	420	1600	ppbv		

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Detected Trip Blank Results and Associated Sample Results
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**m,p-Xylene**	**11**	**2.1**	**8**	**ppbv**		
VA2103	REG	12/12/2012	EPA TO15	m,p-Xylene	3900	840	3200	ppbv		
VA2104	REG	12/12/2012	EPA TO15	m,p-Xylene	1700	840	3200	ppbv	J	Tr
VA2105	FD	12/12/2012	EPA TO15	m,p-Xylene	3500	840	3200	ppbv		
VA2106	REG	12/12/2012	EPA TO15	m,p-Xylene	5800	420	1600	ppbv		
VA2239	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv		
VA2240	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv	U	K3
VA2241	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv	U	K3
VA2242	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	21	80	ppbv	U	K3
VA2243	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2244	REG	12/12/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2252	REG	12/12/2012	EPA TO15	m,p-Xylene	1200	420	1600	ppbv	J	Tr
VA2253	REG	12/12/2012	EPA TO15	m,p-Xylene	1700	210	800	ppbv		
VA2254	REG	12/12/2012	EPA TO15	m,p-Xylene	740	210	800	ppbv	J	Tr
VA2255	REG	12/12/2012	EPA TO15	m,p-Xylene	760	210	800	ppbv	J	Tr
VA2256	REG	12/12/2012	EPA TO15	m,p-Xylene	1900	420	1600	ppbv		
VA2257	REG	12/12/2012	EPA TO15	m,p-Xylene	4100	840	3200	ppbv		
VA2258	FD	12/12/2012	EPA TO15	m,p-Xylene	4300	840	3200	ppbv		
VA1950	REG	12/13/2012	EPA TO15	m,p-Xylene	6000	420	1600	ppbv		
VA1951	REG	12/13/2012	EPA TO15	m,p-Xylene	ND	10000	40000	ppbv		
VA1952	REG	12/13/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA1971	REG	12/13/2012	EPA TO15	m,p-Xylene	1000	210	800	ppbv		
VA1972	REG	12/13/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA1973	REG	12/13/2012	EPA TO15	m,p-Xylene	3800	420	1600	ppbv		
VA2166	REG	12/13/2012	EPA TO15	m,p-Xylene	470	210	800	ppbv	J	Tr
VA2167	REG	12/13/2012	EPA TO15	m,p-Xylene	370	100	400	ppbv	J	Tr
VA2168	REG	12/13/2012	EPA TO15	m,p-Xylene	210	100	400	ppbv	J	Tr
VA2169	REG	12/13/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2170	REG	12/13/2012	EPA TO15	m,p-Xylene	ND	420	1600	ppbv		
VA2171	REG	12/13/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**n-Hexane**	**320**	**28**	**80**	**ppbv**	**J-**	**H**
VA2195	REG	12/6/2012	EPA TO15	n-Hexane	2600	550	1600	ppbv	J-	H
VA2196	REG	12/6/2012	EPA TO15	n-Hexane	1300	280	800	ppbv	UJ	HK3
VA2197	REG	12/10/2012	EPA TO15	n-Hexane	2000	280	800	ppbv		
VA2198	REG	12/10/2012	EPA TO15	n-Hexane	1900	280	800	ppbv		
VA2199	FD	12/10/2012	EPA TO15	n-Hexane	ND	280	800	ppbv	U	K3
VA2200	REG	12/10/2012	EPA TO15	n-Hexane	380	28	80	ppbv	U	K3
VA2202	REG	12/10/2012	EPA TO15	n-Hexane	490	28	80	ppbv	U	K3

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**n-Hexane**	**320**	**28**	**80**	**ppbv**	**J-**	**H**
VA2203	REG	12/10/2012	EPA TO15	n-Hexane	ND	280	800	ppbv	U	K3
VA2204	REG	12/10/2012	EPA TO15	n-Hexane	1700	550	1600	ppbv		
VA2232	REG	12/10/2012	EPA TO15	n-Hexane	280	28	80	ppbv	U	K3
VA2233	REG	12/10/2012	EPA TO15	n-Hexane	230	28	80	ppbv	U	K3
VA2234	REG	12/10/2012	EPA TO15	n-Hexane	170	28	80	ppbv	U	K3
VA2235	REG	12/10/2012	EPA TO15	n-Hexane	150	28	80	ppbv	U	K3
VA2236	FD	12/10/2012	EPA TO15	n-Hexane	200	28	80	ppbv	U	K3
VA2237	REG	12/10/2012	EPA TO15	n-Hexane	150	28	80	ppbv	U	K3
VA1962	REG	12/11/2012	EPA TO15	n-Hexane	3400	550	1600	ppbv		
VA1963	REG	12/11/2012	EPA TO15	n-Hexane	4400	550	1600	ppbv		
VA1964	REG	12/11/2012	EPA TO15	n-Hexane	2000	550	1600	ppbv		
VA1965	REG	12/11/2012	EPA TO15	n-Hexane	ND	28	80	ppbv	U	K3
VA1966	REG	12/11/2012	EPA TO15	n-Hexane	3300	1100	3200	ppbv		
VA1967	REG	12/11/2012	EPA TO15	n-Hexane	2900	550	1600	ppbv		
VA1968	REG	12/11/2012	EPA TO15	n-Hexane	37000	5500	16000	ppbv		
VA1969	FD	12/11/2012	EPA TO15	n-Hexane	75000	5500	16000	ppbv		
VA1970	REG	12/11/2012	EPA TO15	n-Hexane	53000	5500	16000	ppbv		
VA1992	REG	12/11/2012	EPA TO15	n-Hexane	6900	550	1600	ppbv		
VA1993	REG	12/11/2012	EPA TO15	n-Hexane	5800	550	1600	ppbv		
VA1994	REG	12/11/2012	EPA TO15	n-Hexane	4800	1100	3200	ppbv		
VA1995	REG	12/11/2012	EPA TO15	n-Hexane	8000	550	1600	ppbv		
VA2023	REG	12/11/2012	EPA TO15	n-Hexane	10000	5500	16000	ppbv	J	Tr
VA2024	FD	12/11/2012	EPA TO15	n-Hexane	10000	5500	16000	ppbv	J	Tr
VA2048	REG	12/11/2012	EPA TO15	n-Hexane	ND	280	800	ppbv	U	K3
VA2049	REG	12/11/2012	EPA TO15	n-Hexane	460	28	80	ppbv	U	K3
VA2050	REG	12/11/2012	EPA TO15	n-Hexane	ND	550	1600	ppbv	U	K3
VA2051	REG	12/11/2012	EPA TO15	n-Hexane	ND	280	800	ppbv	U	K3
VA2052	REG	12/11/2012	EPA TO15	n-Hexane	2400	280	800	ppbv		
VA2053	REG	12/11/2012	EPA TO15	n-Hexane	12000	1100	3200	ppbv		
VA2094	REG	12/11/2012	EPA TO15	n-Hexane	450	28	80	ppbv	U	K3
VA2095	REG	12/11/2012	EPA TO15	n-Hexane	470	28	80	ppbv	U	K3
VA2096	REG	12/11/2012	EPA TO15	n-Hexane	460	28	80	ppbv	U	K3
VA2097	REG	12/11/2012	EPA TO15	n-Hexane	11000	550	1600	ppbv		
VA2098	REG	12/11/2012	EPA TO15	n-Hexane	1400	280	800	ppbv	U	K3
VA2099	REG	12/11/2012	EPA TO15	n-Hexane	1300	280	800	ppbv	U	K3
VA2238	REG	12/11/2012	EPA TO15	n-Hexane	370	28	80	ppbv	U	K3
VA2054	REG	12/12/2012	EPA TO15	n-Hexane	ND	280	800	ppbv	U	K3
VA2055	REG	12/12/2012	EPA TO15	n-Hexane	2500	280	800	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**n-Hexane**	**320**	**28**	**80**	**ppbv**	**J-**	**H**
VA2056	REG	12/12/2012	EPA TO15	n-Hexane	620	140	400	ppbv	U	K3
VA2057	FD	12/12/2012	EPA TO15	n-Hexane	460	140	400	ppbv	U	K3
VA2058	REG	12/12/2012	EPA TO15	n-Hexane	29000	1100	3200	ppbv		
VA2059	REG	12/12/2012	EPA TO15	n-Hexane	5900	550	1600	ppbv		
VA2060	REG	12/12/2012	EPA TO15	n-Hexane	55000	5500	16000	ppbv		
VA2100	REG	12/12/2012	EPA TO15	n-Hexane	5100	1100	3200	ppbv		
VA2101	REG	12/12/2012	EPA TO15	n-Hexane	2400	550	1600	ppbv		
VA2102	REG	12/12/2012	EPA TO15	n-Hexane	2600	550	1600	ppbv		
VA2103	REG	12/12/2012	EPA TO15	n-Hexane	9500	1100	3200	ppbv		
VA2104	REG	12/12/2012	EPA TO15	n-Hexane	4100	1100	3200	ppbv		
VA2105	FD	12/12/2012	EPA TO15	n-Hexane	7500	1100	3200	ppbv		
VA2106	REG	12/12/2012	EPA TO15	n-Hexane	2900	550	1600	ppbv		
VA2239	REG	12/12/2012	EPA TO15	n-Hexane	130	28	80	ppbv	U	K3
VA2240	REG	12/12/2012	EPA TO15	n-Hexane	160	28	80	ppbv	U	K3
VA2241	REG	12/12/2012	EPA TO15	n-Hexane	170	28	80	ppbv	U	K3
VA2242	REG	12/12/2012	EPA TO15	n-Hexane	170	28	80	ppbv	U	K3
VA2243	REG	12/12/2012	EPA TO15	n-Hexane	15000	550	1600	ppbv		
VA2244	REG	12/12/2012	EPA TO15	n-Hexane	ND	550	1600	ppbv	U	K3
VA2252	REG	12/12/2012	EPA TO15	n-Hexane	ND	550	1600	ppbv	U	K3
VA2253	REG	12/12/2012	EPA TO15	n-Hexane	1400	280	800	ppbv	U	K3
VA2254	REG	12/12/2012	EPA TO15	n-Hexane	1700	280	800	ppbv		
VA2255	REG	12/12/2012	EPA TO15	n-Hexane	1200	280	800	ppbv	U	K3
VA2256	REG	12/12/2012	EPA TO15	n-Hexane	2200	550	1600	ppbv		
VA2257	REG	12/12/2012	EPA TO15	n-Hexane	3300	1100	3200	ppbv		
VA2258	FD	12/12/2012	EPA TO15	n-Hexane	3600	1100	3200	ppbv		
VA1950	REG	12/13/2012	EPA TO15	n-Hexane	3100	550	1600	ppbv		
VA1951	REG	12/13/2012	EPA TO15	n-Hexane	280000	14000	40000	ppbv		
VA1952	REG	12/13/2012	EPA TO15	n-Hexane	63000	5500	16000	ppbv		
VA1971	REG	12/13/2012	EPA TO15	n-Hexane	920	280	800	ppbv	U	K3
VA1972	REG	12/13/2012	EPA TO15	n-Hexane	45000	5500	16000	ppbv		
VA1973	REG	12/13/2012	EPA TO15	n-Hexane	3700	550	1600	ppbv		
VA2166	REG	12/13/2012	EPA TO15	n-Hexane	920	280	800	ppbv	U	K3
VA2167	REG	12/13/2012	EPA TO15	n-Hexane	790	140	400	ppbv	U	K3
VA2168	REG	12/13/2012	EPA TO15	n-Hexane	440	140	400	ppbv	U	K3
VA2169	REG	12/13/2012	EPA TO15	n-Hexane	3100	550	1600	ppbv		
VA2170	REG	12/13/2012	EPA TO15	n-Hexane	4100	550	1600	ppbv		
VA2171	REG	12/13/2012	EPA TO15	n-Hexane	45000	5500	16000	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Propylene**	**4.5**	**0.3**	**4**	**ppbv**		
VA2195	REG	12/6/2012	EPA TO15	Propylene	ND	60	800	ppbv	UJ	H
VA2196	REG	12/6/2012	EPA TO15	Propylene	ND	30	400	ppbv	UJ	H
VA2197	REG	12/10/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2198	REG	12/10/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2199	FD	12/10/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2200	REG	12/10/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2202	REG	12/10/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2203	REG	12/10/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2204	REG	12/10/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2232	REG	12/10/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2233	REG	12/10/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2234	REG	12/10/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2235	REG	12/10/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2236	FD	12/10/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2237	REG	12/10/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA1962	REG	12/11/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA1963	REG	12/11/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA1964	REG	12/11/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA1965	REG	12/11/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA1966	REG	12/11/2012	EPA TO15	Propylene	ND	120	1600	ppbv		
VA1967	REG	12/11/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA1968	REG	12/11/2012	EPA TO15	Propylene	ND	600	8000	ppbv		
VA1969	FD	12/11/2012	EPA TO15	Propylene	ND	600	8000	ppbv		
VA1970	REG	12/11/2012	EPA TO15	Propylene	ND	600	8000	ppbv		
VA1992	REG	12/11/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA1993	REG	12/11/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA1994	REG	12/11/2012	EPA TO15	Propylene	ND	120	1600	ppbv		
VA1995	REG	12/11/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2023	REG	12/11/2012	EPA TO15	Propylene	ND	600	8000	ppbv		
VA2024	FD	12/11/2012	EPA TO15	Propylene	ND	600	8000	ppbv		
VA2048	REG	12/11/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2049	REG	12/11/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2050	REG	12/11/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2051	REG	12/11/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2052	REG	12/11/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2053	REG	12/11/2012	EPA TO15	Propylene	ND	120	1600	ppbv		
VA2094	REG	12/11/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2095	REG	12/11/2012	EPA TO15	Propylene	ND	3	40	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Propylene**	**4.5**	**0.3**	**4**	**ppbv**		
VA2096	REG	12/11/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2097	REG	12/11/2012	EPA TO15	Propylene	1800	60	800	ppbv		
VA2098	REG	12/11/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2099	REG	12/11/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2238	REG	12/11/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2054	REG	12/12/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2055	REG	12/12/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2056	REG	12/12/2012	EPA TO15	Propylene	ND	15	200	ppbv		
VA2057	FD	12/12/2012	EPA TO15	Propylene	ND	15	200	ppbv		
VA2058	REG	12/12/2012	EPA TO15	Propylene	ND	120	1600	ppbv		
VA2059	REG	12/12/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2060	REG	12/12/2012	EPA TO15	Propylene	ND	600	8000	ppbv		
VA2100	REG	12/12/2012	EPA TO15	Propylene	ND	120	1600	ppbv		
VA2101	REG	12/12/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2102	REG	12/12/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2103	REG	12/12/2012	EPA TO15	Propylene	ND	120	1600	ppbv		
VA2104	REG	12/12/2012	EPA TO15	Propylene	ND	120	1600	ppbv		
VA2105	FD	12/12/2012	EPA TO15	Propylene	ND	120	1600	ppbv		
VA2106	REG	12/12/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2239	REG	12/12/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2240	REG	12/12/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2241	REG	12/12/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2242	REG	12/12/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2243	REG	12/12/2012	EPA TO15	Propylene	1700	60	800	ppbv		
VA2244	REG	12/12/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2252	REG	12/12/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2253	REG	12/12/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2254	REG	12/12/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2255	REG	12/12/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2256	REG	12/12/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2257	REG	12/12/2012	EPA TO15	Propylene	ND	120	1600	ppbv		
VA2258	FD	12/12/2012	EPA TO15	Propylene	ND	120	1600	ppbv		
VA1950	REG	12/13/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA1951	REG	12/13/2012	EPA TO15	Propylene	ND	1500	20000	ppbv		
VA1952	REG	12/13/2012	EPA TO15	Propylene	ND	600	8000	ppbv		
VA1971	REG	12/13/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA1972	REG	12/13/2012	EPA TO15	Propylene	ND	600	8000	ppbv		
VA1973	REG	12/13/2012	EPA TO15	Propylene	ND	60	800	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Propylene**	**4.5**	**0.3**	**4**	**ppbv**		
VA2166	REG	12/13/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2167	REG	12/13/2012	EPA TO15	Propylene	ND	15	200	ppbv		
VA2168	REG	12/13/2012	EPA TO15	Propylene	ND	15	200	ppbv		
VA2169	REG	12/13/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2170	REG	12/13/2012	EPA TO15	Propylene	3200	60	800	ppbv		
VA2171	REG	12/13/2012	EPA TO15	Propylene	9000	600	8000	ppbv		
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Toluene**	**510**	**6.3**	**40**	**ppbv**	**J-**	**H**
VA2195	REG	12/6/2012	EPA TO15	Toluene	5300	130	800	ppbv	J-	H
VA2196	REG	12/6/2012	EPA TO15	Toluene	3100	63	400	ppbv	J-	H
VA2197	REG	12/10/2012	EPA TO15	Toluene	3400	63	400	ppbv		
VA2198	REG	12/10/2012	EPA TO15	Toluene	4200	63	400	ppbv		
VA2199	FD	12/10/2012	EPA TO15	Toluene	1500	63	400	ppbv	U	K3
VA2200	REG	12/10/2012	EPA TO15	Toluene	1200	6.3	40	ppbv	U	K3
VA2202	REG	12/10/2012	EPA TO15	Toluene	1300	6.3	40	ppbv	U	K3
VA2203	REG	12/10/2012	EPA TO15	Toluene	1300	63	400	ppbv	U	K3
VA2204	REG	12/10/2012	EPA TO15	Toluene	2700	130	800	ppbv		
VA2232	REG	12/10/2012	EPA TO15	Toluene	1100	6.3	40	ppbv	U	K3
VA2233	REG	12/10/2012	EPA TO15	Toluene	780	6.3	40	ppbv	U	K3
VA2234	REG	12/10/2012	EPA TO15	Toluene	600	6.3	40	ppbv	U	K3
VA2235	REG	12/10/2012	EPA TO15	Toluene	1200	6.3	40	ppbv	U	K3
VA2236	FD	12/10/2012	EPA TO15	Toluene	1400	6.3	40	ppbv	U	K3
VA2237	REG	12/10/2012	EPA TO15	Toluene	570	6.3	40	ppbv	U	K3
VA1962	REG	12/11/2012	EPA TO15	Toluene	24000	130	800	ppbv		
VA1963	REG	12/11/2012	EPA TO15	Toluene	19000	130	800	ppbv		
VA1964	REG	12/11/2012	EPA TO15	Toluene	17000	130	800	ppbv		
VA1965	REG	12/11/2012	EPA TO15	Toluene	570	6.3	40	ppbv	U	K3
VA1966	REG	12/11/2012	EPA TO15	Toluene	25000	250	1600	ppbv		
VA1967	REG	12/11/2012	EPA TO15	Toluene	28000	130	800	ppbv		
VA1968	REG	12/11/2012	EPA TO15	Toluene	11000	1300	8000	ppbv		
VA1969	FD	12/11/2012	EPA TO15	Toluene	18000	1300	8000	ppbv		
VA1970	REG	12/11/2012	EPA TO15	Toluene	110000	1300	8000	ppbv		
VA1992	REG	12/11/2012	EPA TO15	Toluene	58000	1300	8000	ppbv		
VA1993	REG	12/11/2012	EPA TO15	Toluene	44000	1300	8000	ppbv		
VA1994	REG	12/11/2012	EPA TO15	Toluene	43000	250	1600	ppbv		
VA1995	REG	12/11/2012	EPA TO15	Toluene	2400	130	800	ppbv	U	K3
VA2023	REG	12/11/2012	EPA TO15	Toluene	45000	1300	8000	ppbv		
VA2024	FD	12/11/2012	EPA TO15	Toluene	46000	1300	8000	ppbv		

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Detected Trip Blank Results and Associated Sample Results
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Toluene**	**510**	**6.3**	**40**	**ppbv**	**J-**	**H**
VA2048	REG	12/11/2012	EPA TO15	Toluene	3200	63	400	ppbv		
VA2049	REG	12/11/2012	EPA TO15	Toluene	1200	63	400	ppbv	U	K3
VA2050	REG	12/11/2012	EPA TO15	Toluene	3500	130	800	ppbv		
VA2051	REG	12/11/2012	EPA TO15	Toluene	2800	63	400	ppbv		
VA2052	REG	12/11/2012	EPA TO15	Toluene	4800	63	400	ppbv		
VA2053	REG	12/11/2012	EPA TO15	Toluene	18000	250	1600	ppbv		
VA2094	REG	12/11/2012	EPA TO15	Toluene	1100	6.3	40	ppbv	U	K3
VA2095	REG	12/11/2012	EPA TO15	Toluene	1300	6.3	40	ppbv	U	K3
VA2096	REG	12/11/2012	EPA TO15	Toluene	1200	6.3	40	ppbv	U	K3
VA2097	REG	12/11/2012	EPA TO15	Toluene	54000	1300	8000	ppbv		
VA2098	REG	12/11/2012	EPA TO15	Toluene	11000	63	400	ppbv		
VA2099	REG	12/11/2012	EPA TO15	Toluene	12000	63	400	ppbv		
VA2238	REG	12/11/2012	EPA TO15	Toluene	1000	6.3	40	ppbv	U	K3
VA2054	REG	12/12/2012	EPA TO15	Toluene	2400	63	400	ppbv	U	K3
VA2055	REG	12/12/2012	EPA TO15	Toluene	1600	63	400	ppbv	U	K3
VA2056	REG	12/12/2012	EPA TO15	Toluene	2500	32	200	ppbv	U	K3
VA2057	FD	12/12/2012	EPA TO15	Toluene	1700	32	200	ppbv	U	K3
VA2058	REG	12/12/2012	EPA TO15	Toluene	17000	250	1600	ppbv		
VA2059	REG	12/12/2012	EPA TO15	Toluene	18000	130	800	ppbv		
VA2060	REG	12/12/2012	EPA TO15	Toluene	88000	1300	8000	ppbv		
VA2100	REG	12/12/2012	EPA TO15	Toluene	39000	250	1600	ppbv		
VA2101	REG	12/12/2012	EPA TO15	Toluene	28000	130	800	ppbv		
VA2102	REG	12/12/2012	EPA TO15	Toluene	26000	130	800	ppbv		
VA2103	REG	12/12/2012	EPA TO15	Toluene	53000	250	1600	ppbv		
VA2104	REG	12/12/2012	EPA TO15	Toluene	32000	250	1600	ppbv		
VA2105	FD	12/12/2012	EPA TO15	Toluene	61000	250	1600	ppbv		
VA2106	REG	12/12/2012	EPA TO15	Toluene	38000	130	800	ppbv		
VA2239	REG	12/12/2012	EPA TO15	Toluene	610	6.3	40	ppbv	U	K3
VA2240	REG	12/12/2012	EPA TO15	Toluene	980	6.3	40	ppbv	U	K3
VA2241	REG	12/12/2012	EPA TO15	Toluene	1000	6.3	40	ppbv	U	K3
VA2242	REG	12/12/2012	EPA TO15	Toluene	1000	6.3	40	ppbv	U	K3
VA2243	REG	12/12/2012	EPA TO15	Toluene	24000	130	800	ppbv		
VA2244	REG	12/12/2012	EPA TO15	Toluene	ND	130	800	ppbv		
VA2252	REG	12/12/2012	EPA TO15	Toluene	8100	130	800	ppbv		
VA2253	REG	12/12/2012	EPA TO15	Toluene	13000	63	400	ppbv		
VA2254	REG	12/12/2012	EPA TO15	Toluene	5800	63	400	ppbv		
VA2255	REG	12/12/2012	EPA TO15	Toluene	7300	63	400	ppbv		
VA2256	REG	12/12/2012	EPA TO15	Toluene	14000	130	800	ppbv		

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Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Toluene**	**510**	**6.3**	**40**	**ppbv**	**J-**	**H**
VA2257	REG	12/12/2012	EPA TO15	Toluene	30000	250	1600	ppbv		
VA2258	FD	12/12/2012	EPA TO15	Toluene	32000	250	1600	ppbv		
VA1950	REG	12/13/2012	EPA TO15	Toluene	33000	130	800	ppbv		
VA1951	REG	12/13/2012	EPA TO15	Toluene	320000	3200	20000	ppbv		
VA1952	REG	12/13/2012	EPA TO15	Toluene	52000	1300	8000	ppbv		
VA1971	REG	12/13/2012	EPA TO15	Toluene	7300	63	400	ppbv		
VA1972	REG	12/13/2012	EPA TO15	Toluene	42000	1300	8000	ppbv		
VA1973	REG	12/13/2012	EPA TO15	Toluene	24000	130	800	ppbv		
VA2166	REG	12/13/2012	EPA TO15	Toluene	5100	63	400	ppbv		
VA2167	REG	12/13/2012	EPA TO15	Toluene	4800	32	200	ppbv		
VA2168	REG	12/13/2012	EPA TO15	Toluene	2500	32	200	ppbv	U	K3
VA2169	REG	12/13/2012	EPA TO15	Toluene	4800	130	800	ppbv		
VA2170	REG	12/13/2012	EPA TO15	Toluene	6300	130	800	ppbv		
VA2171	REG	12/13/2012	EPA TO15	Toluene	81000	1300	8000	ppbv		
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Xylenes, Total**	**11**	**3.1**	**12**	**ppbv**	**J**	**Tr**
VA2195	REG	12/6/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv	UJ	H
VA2196	REG	12/6/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv	UJ	H
VA2197	REG	12/10/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2198	REG	12/10/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2199	FD	12/10/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2200	REG	12/10/2012	EPA TO15	Xylenes, Total	84	31	120	ppbv	J	Tr
VA2202	REG	12/10/2012	EPA TO15	Xylenes, Total	88	31	120	ppbv	J	Tr
VA2203	REG	12/10/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2204	REG	12/10/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2232	REG	12/10/2012	EPA TO15	Xylenes, Total	92	31	120	ppbv	J	Tr
VA2233	REG	12/10/2012	EPA TO15	Xylenes, Total	70	31	120	ppbv	J	Tr
VA2234	REG	12/10/2012	EPA TO15	Xylenes, Total	57	31	120	ppbv	J	Tr
VA2235	REG	12/10/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv	U	K3
VA2236	FD	12/10/2012	EPA TO15	Xylenes, Total	70	31	120	ppbv	J	Tr
VA2237	REG	12/10/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv	U	K3
VA1962	REG	12/11/2012	EPA TO15	Xylenes, Total	2300	630	2400	ppbv	J	Tr
VA1963	REG	12/11/2012	EPA TO15	Xylenes, Total	2000	630	2400	ppbv	J	Tr
VA1964	REG	12/11/2012	EPA TO15	Xylenes, Total	1900	630	2400	ppbv	J	Tr
VA1965	REG	12/11/2012	EPA TO15	Xylenes, Total	120	31	120	ppbv		
VA1966	REG	12/11/2012	EPA TO15	Xylenes, Total	3500	1300	4800	ppbv	J	Tr
VA1967	REG	12/11/2012	EPA TO15	Xylenes, Total	4200	630	2400	ppbv		
VA1968	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Xylenes, Total**	**11**	**3.1**	**12**	**ppbv**	**J**	**Tr**
VA1969	FD	12/11/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		
VA1970	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		
VA1992	REG	12/11/2012	EPA TO15	Xylenes, Total	9100	630	2400	ppbv		
VA1993	REG	12/11/2012	EPA TO15	Xylenes, Total	6700	630	2400	ppbv		
VA1994	REG	12/11/2012	EPA TO15	Xylenes, Total	7800	1300	4800	ppbv		
VA1995	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2023	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		
VA2024	FD	12/11/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		
VA2048	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2049	REG	12/11/2012	EPA TO15	Xylenes, Total	220	31	120	ppbv		
VA2050	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2051	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2052	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2053	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	1300	4800	ppbv		
VA2094	REG	12/11/2012	EPA TO15	Xylenes, Total	74	31	120	ppbv	J	Tr
VA2095	REG	12/11/2012	EPA TO15	Xylenes, Total	88	31	120	ppbv	J	Tr
VA2096	REG	12/11/2012	EPA TO15	Xylenes, Total	83	31	120	ppbv	J	Tr
VA2097	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2098	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2099	REG	12/11/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2238	REG	12/11/2012	EPA TO15	Xylenes, Total	64	31	120	ppbv	J	Tr
VA2054	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2055	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2056	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	160	600	ppbv		
VA2057	FD	12/12/2012	EPA TO15	Xylenes, Total	ND	160	600	ppbv		
VA2058	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	1300	4800	ppbv		
VA2059	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2060	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		
VA2100	REG	12/12/2012	EPA TO15	Xylenes, Total	4600	1300	4800	ppbv	J	Tr
VA2101	REG	12/12/2012	EPA TO15	Xylenes, Total	5600	630	2400	ppbv		
VA2102	REG	12/12/2012	EPA TO15	Xylenes, Total	5200	630	2400	ppbv		
VA2103	REG	12/12/2012	EPA TO15	Xylenes, Total	3900	1300	4800	ppbv	J	Tr
VA2104	REG	12/12/2012	EPA TO15	Xylenes, Total	1700	1300	4800	ppbv	J	Tr
VA2105	FD	12/12/2012	EPA TO15	Xylenes, Total	3500	1300	4800	ppbv	J	Tr
VA2106	REG	12/12/2012	EPA TO15	Xylenes, Total	7500	630	2400	ppbv		
VA2239	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv		
VA2240	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv	U	K3
VA2241	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv	U	K3

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8109-TB	**TB**	**12/6/2012**	**EPA TO15**	**Xylenes, Total**	**11**	**3.1**	**12**	**ppbv**	**J**	**Tr**
VA2242	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	31	120	ppbv	U	K3
VA2243	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2244	REG	12/12/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2252	REG	12/12/2012	EPA TO15	Xylenes, Total	1200	630	2400	ppbv	J	Tr
VA2253	REG	12/12/2012	EPA TO15	Xylenes, Total	2200	310	1200	ppbv		
VA2254	REG	12/12/2012	EPA TO15	Xylenes, Total	740	310	1200	ppbv	J	Tr
VA2255	REG	12/12/2012	EPA TO15	Xylenes, Total	760	310	1200	ppbv	J	Tr
VA2256	REG	12/12/2012	EPA TO15	Xylenes, Total	1900	630	2400	ppbv	J	Tr
VA2257	REG	12/12/2012	EPA TO15	Xylenes, Total	4100	1300	4800	ppbv	J	Tr
VA2258	FD	12/12/2012	EPA TO15	Xylenes, Total	4300	1300	4800	ppbv	J	Tr
VA1950	REG	12/13/2012	EPA TO15	Xylenes, Total	7600	630	2400	ppbv		
VA1951	REG	12/13/2012	EPA TO15	Xylenes, Total	ND	16000	60000	ppbv		
VA1952	REG	12/13/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		
VA1971	REG	12/13/2012	EPA TO15	Xylenes, Total	1000	310	1200	ppbv	J	Tr
VA1972	REG	12/13/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		
VA1973	REG	12/13/2012	EPA TO15	Xylenes, Total	4800	630	2400	ppbv		
VA2166	REG	12/13/2012	EPA TO15	Xylenes, Total	470	310	1200	ppbv	J	Tr
VA2167	REG	12/13/2012	EPA TO15	Xylenes, Total	370	160	600	ppbv	J	Tr
VA2168	REG	12/13/2012	EPA TO15	Xylenes, Total	210	160	600	ppbv	J	Tr
VA2169	REG	12/13/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2170	REG	12/13/2012	EPA TO15	Xylenes, Total	ND	630	2400	ppbv		
VA2171	REG	12/13/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Acetone**	**4.6**	**0.43**	**1**	**ppbv**		
VA1945	REG	12/17/2012	EPA TO15	Acetone	1800	340	800	ppbv		
VA1946	REG	12/17/2012	EPA TO15	Acetone	ND	8600	20000	ppbv		
VA1947	FD	12/17/2012	EPA TO15	Acetone	ND	8600	20000	ppbv		
VA1948	REG	12/17/2012	EPA TO15	Acetone	580	170	400	ppbv		
VA1949	REG	12/17/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2014	REG	12/17/2012	EPA TO15	Acetone	370000	8600	20000	ppbv		
VA2015	REG	12/17/2012	EPA TO15	Acetone	2300	340	800	ppbv		
VA2016	REG	12/17/2012	EPA TO15	Acetone	350000	17000	40000	ppbv		
VA2017	REG	12/17/2012	EPA TO15	Acetone	1400	170	400	ppbv		
VA2018	REG	12/17/2012	EPA TO15	Acetone	2200	170	400	ppbv		
VA2019	REG	12/17/2012	EPA TO15	Acetone	140000	8600	20000	ppbv		
VA2020	REG	12/17/2012	EPA TO15	Acetone	70000	8600	20000	ppbv		
VA2172	REG	12/17/2012	EPA TO15	Acetone	2300	170	400	ppbv		
VA2173	REG	12/17/2012	EPA TO15	Acetone	2300	170	400	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Acetone**	**4.6**	**0.43**	**1**	**ppbv**		
VA2174	FD	12/17/2012	EPA TO15	Acetone	2500	170	400	ppbv		
VA2175	REG	12/17/2012	EPA TO15	Acetone	2600	170	400	ppbv		
VA2176	REG	12/17/2012	EPA TO15	Acetone	1100	170	400	ppbv		
VA2177	REG	12/17/2012	EPA TO15	Acetone	750	170	400	ppbv		
VA2178	REG	12/17/2012	EPA TO15	Acetone	340	86	200	ppbv		
VA2179	REG	12/17/2012	EPA TO15	Acetone	270	86	200	ppbv		
VA2180	REG	12/17/2012	EPA TO15	Acetone	ND	86	200	ppbv		
VA2181	REG	12/17/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2183	REG	12/17/2012	EPA TO15	Acetone	ND	690	1600	ppbv		
VA2184	REG	12/17/2012	EPA TO15	Acetone	6800	170	400	ppbv		
VA1996	REG	12/18/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA1997	REG	12/18/2012	EPA TO15	Acetone	ND	170	400	ppbv		
VA1998	REG	12/18/2012	EPA TO15	Acetone	450	170	400	ppbv		
VA1999	REG	12/18/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA2005	REG	12/18/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA2006	REG	12/18/2012	EPA TO15	Acetone	840	170	400	ppbv		
VA2007	REG	12/18/2012	EPA TO15	Acetone	ND	8600	20000	ppbv		
VA2008	REG	12/18/2012	EPA TO15	Acetone	2300	690	1600	ppbv		
VA2009	REG	12/18/2012	EPA TO15	Acetone	1600	170	400	ppbv		
VA2010	REG	12/18/2012	EPA TO15	Acetone	1100	170	400	ppbv		
VA2011	REG	12/18/2012	EPA TO15	Acetone	930	170	400	ppbv		
VA2012	REG	12/18/2012	EPA TO15	Acetone	860	170	400	ppbv		
VA2013	FD	12/18/2012	EPA TO15	Acetone	1900	170	400	ppbv		
VA2021	REG	12/18/2012	EPA TO15	Acetone	14000	340	800	ppbv		
VA2022	REG	12/18/2012	EPA TO15	Acetone	6700	340	800	ppbv		
VA2025	REG	12/18/2012	EPA TO15	Acetone	ND	170	400	ppbv		
VA2027	REG	12/18/2012	EPA TO15	Acetone	1000	170	400	ppbv		
VA2182	REG	12/18/2012	EPA TO15	Acetone	620	170	400	ppbv		
VA2201R	REG	12/19/2012	EPA TO15	Acetone	68	17	40	ppbv		
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Benzene**	**1.9**	**0.13**	**1**	**ppbv**		
VA1945	REG	12/17/2012	EPA TO15	Benzene	2100	100	800	ppbv		
VA1946	REG	12/17/2012	EPA TO15	Benzene	68000	2500	20000	ppbv		
VA1947	FD	12/17/2012	EPA TO15	Benzene	87000	2500	20000	ppbv		
VA1948	REG	12/17/2012	EPA TO15	Benzene	540	50	400	ppbv		
VA1949	REG	12/17/2012	EPA TO15	Benzene	160	5	40	ppbv		
VA2014	REG	12/17/2012	EPA TO15	Benzene	41000	2500	20000	ppbv		
VA2015	REG	12/17/2012	EPA TO15	Benzene	960	100	800	ppbv		

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Detected Trip Blank Results and Associated Sample Results
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Benzene**	**1.9**	**0.13**	**1**	**ppbv**		
VA2016	REG	12/17/2012	EPA TO15	Benzene	160000	5000	40000	ppbv		
VA2017	REG	12/17/2012	EPA TO15	Benzene	1400	50	400	ppbv		
VA2018	REG	12/17/2012	EPA TO15	Benzene	900	50	400	ppbv		
VA2019	REG	12/17/2012	EPA TO15	Benzene	58000	2500	20000	ppbv		
VA2020	REG	12/17/2012	EPA TO15	Benzene	79000	2500	20000	ppbv		
VA2172	REG	12/17/2012	EPA TO15	Benzene	1600	50	400	ppbv		
VA2173	REG	12/17/2012	EPA TO15	Benzene	1200	50	400	ppbv		
VA2174	FD	12/17/2012	EPA TO15	Benzene	1500	50	400	ppbv		
VA2175	REG	12/17/2012	EPA TO15	Benzene	770	50	400	ppbv		
VA2176	REG	12/17/2012	EPA TO15	Benzene	3800	50	400	ppbv		
VA2177	REG	12/17/2012	EPA TO15	Benzene	720	50	400	ppbv		
VA2178	REG	12/17/2012	EPA TO15	Benzene	3200	25	200	ppbv		
VA2179	REG	12/17/2012	EPA TO15	Benzene	390	25	200	ppbv		
VA2180	REG	12/17/2012	EPA TO15	Benzene	490	25	200	ppbv		
VA2181	REG	12/17/2012	EPA TO15	Benzene	450	5	40	ppbv		
VA2183	REG	12/17/2012	EPA TO15	Benzene	6900	200	1600	ppbv		
VA2184	REG	12/17/2012	EPA TO15	Benzene	14000	50	400	ppbv		
VA1996	REG	12/18/2012	EPA TO15	Benzene	21000	100	800	ppbv		
VA1997	REG	12/18/2012	EPA TO15	Benzene	3600	50	400	ppbv		
VA1998	REG	12/18/2012	EPA TO15	Benzene	2200	50	400	ppbv		
VA1999	REG	12/18/2012	EPA TO15	Benzene	7000	100	800	ppbv		
VA2005	REG	12/18/2012	EPA TO15	Benzene	200	5	40	ppbv		
VA2006	REG	12/18/2012	EPA TO15	Benzene	3600	50	400	ppbv		
VA2007	REG	12/18/2012	EPA TO15	Benzene	160000	2500	20000	ppbv		
VA2008	REG	12/18/2012	EPA TO15	Benzene	72000	200	1600	ppbv		
VA2009	REG	12/18/2012	EPA TO15	Benzene	1800	50	400	ppbv		
VA2010	REG	12/18/2012	EPA TO15	Benzene	1600	50	400	ppbv		
VA2011	REG	12/18/2012	EPA TO15	Benzene	5400	50	400	ppbv		
VA2012	REG	12/18/2012	EPA TO15	Benzene	5600	50	400	ppbv		
VA2013	FD	12/18/2012	EPA TO15	Benzene	8400	50	400	ppbv		
VA2021	REG	12/18/2012	EPA TO15	Benzene	3000	100	800	ppbv		
VA2022	REG	12/18/2012	EPA TO15	Benzene	2200	100	800	ppbv		
VA2025	REG	12/18/2012	EPA TO15	Benzene	2800	50	400	ppbv		
VA2027	REG	12/18/2012	EPA TO15	Benzene	10000	50	400	ppbv		
VA2182	REG	12/18/2012	EPA TO15	Benzene	980	50	400	ppbv		
VA2201R	REG	12/19/2012	EPA TO15	Benzene	390	5	40	ppbv		

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Detected Trip Blank Results and Associated Sample Results
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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**m,p-Xylene**	**1.1**	**0.52**	**2**	**ppbv**	**J**	**Tr**
VA1945	REG	12/17/2012	EPA TO15	m,p-Xylene	2200	420	1600	ppbv		
VA1946	REG	12/17/2012	EPA TO15	m,p-Xylene	ND	10000	40000	ppbv		
VA1947	FD	12/17/2012	EPA TO15	m,p-Xylene	ND	10000	40000	ppbv		
VA1948	REG	12/17/2012	EPA TO15	m,p-Xylene	660	210	800	ppbv	J	Tr
VA1949	REG	12/17/2012	EPA TO15	m,p-Xylene	250	21	80	ppbv		
VA2014	REG	12/17/2012	EPA TO15	m,p-Xylene	ND	10000	40000	ppbv		
VA2015	REG	12/17/2012	EPA TO15	m,p-Xylene	4700	420	1600	ppbv		
VA2016	REG	12/17/2012	EPA TO15	m,p-Xylene	ND	21000	80000	ppbv		
VA2017	REG	12/17/2012	EPA TO15	m,p-Xylene	3200	210	800	ppbv		
VA2018	REG	12/17/2012	EPA TO15	m,p-Xylene	4900	210	800	ppbv		
VA2019	REG	12/17/2012	EPA TO15	m,p-Xylene	27000	10000	40000	ppbv	J	Tr
VA2020	REG	12/17/2012	EPA TO15	m,p-Xylene	21000	10000	40000	ppbv	J	Tr
VA2172	REG	12/17/2012	EPA TO15	m,p-Xylene	440	210	800	ppbv	J	Tr
VA2173	REG	12/17/2012	EPA TO15	m,p-Xylene	460	210	800	ppbv	J	Tr
VA2174	FD	12/17/2012	EPA TO15	m,p-Xylene	530	210	800	ppbv	J	Tr
VA2175	REG	12/17/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2176	REG	12/17/2012	EPA TO15	m,p-Xylene	660	210	800	ppbv	J	Tr
VA2177	REG	12/17/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2178	REG	12/17/2012	EPA TO15	m,p-Xylene	610	100	400	ppbv		
VA2179	REG	12/17/2012	EPA TO15	m,p-Xylene	ND	100	400	ppbv		
VA2180	REG	12/17/2012	EPA TO15	m,p-Xylene	ND	100	400	ppbv		
VA2181	REG	12/17/2012	EPA TO15	m,p-Xylene	140	21	80	ppbv		
VA2183	REG	12/17/2012	EPA TO15	m,p-Xylene	ND	840	3200	ppbv		
VA2184	REG	12/17/2012	EPA TO15	m,p-Xylene	1400	210	800	ppbv		
VA1996	REG	12/18/2012	EPA TO15	m,p-Xylene	4800	420	1600	ppbv		
VA1997	REG	12/18/2012	EPA TO15	m,p-Xylene	2500	210	800	ppbv		
VA1998	REG	12/18/2012	EPA TO15	m,p-Xylene	1700	210	800	ppbv		
VA1999	REG	12/18/2012	EPA TO15	m,p-Xylene	1200	420	1600	ppbv	J	Tr
VA2005	REG	12/18/2012	EPA TO15	m,p-Xylene	67	21	80	ppbv	J	Tr
VA2006	REG	12/18/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2007	REG	12/18/2012	EPA TO15	m,p-Xylene	ND	10000	40000	ppbv		
VA2008	REG	12/18/2012	EPA TO15	m,p-Xylene	5700	840	3200	ppbv		
VA2009	REG	12/18/2012	EPA TO15	m,p-Xylene	3900	210	800	ppbv		
VA2010	REG	12/18/2012	EPA TO15	m,p-Xylene	4100	210	800	ppbv		
VA2011	REG	12/18/2012	EPA TO15	m,p-Xylene	4400	210	800	ppbv		
VA2012	REG	12/18/2012	EPA TO15	m,p-Xylene	5200	210	800	ppbv		
VA2013	FD	12/18/2012	EPA TO15	m,p-Xylene	10000	210	800	ppbv		
VA2021	REG	12/18/2012	EPA TO15	m,p-Xylene	4600	420	1600	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**m,p-Xylene**	**1.1**	**0.52**	**2**	**ppbv**	**J**	**Tr**
VA2022	REG	12/18/2012	EPA TO15	m,p-Xylene	4100	420	1600	ppbv		
VA2025	REG	12/18/2012	EPA TO15	m,p-Xylene	1300	210	800	ppbv		
VA2027	REG	12/18/2012	EPA TO15	m,p-Xylene	1700	210	800	ppbv		
VA2182	REG	12/18/2012	EPA TO15	m,p-Xylene	ND	210	800	ppbv		
VA2201R	REG	12/19/2012	EPA TO15	m,p-Xylene	160	21	80	ppbv		
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Methylene chloride**	**2.3**	**2.1**	**5**	**ppbv**	**J**	**Tr**
VA1945	REG	12/17/2012	EPA TO15	Methylene chloride	6900	1700	4000	ppbv		
VA1946	REG	12/17/2012	EPA TO15	Methylene chloride	ND	42000	100000	ppbv		
VA1947	FD	12/17/2012	EPA TO15	Methylene chloride	ND	42000	100000	ppbv		
VA1948	REG	12/17/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA1949	REG	12/17/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2014	REG	12/17/2012	EPA TO15	Methylene chloride	ND	42000	100000	ppbv		
VA2015	REG	12/17/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2016	REG	12/17/2012	EPA TO15	Methylene chloride	ND	83000	200000	ppbv		
VA2017	REG	12/17/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA2018	REG	12/17/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA2019	REG	12/17/2012	EPA TO15	Methylene chloride	ND	42000	100000	ppbv		
VA2020	REG	12/17/2012	EPA TO15	Methylene chloride	ND	42000	100000	ppbv		
VA2172	REG	12/17/2012	EPA TO15	Methylene chloride	2500	830	2000	ppbv		
VA2173	REG	12/17/2012	EPA TO15	Methylene chloride	2600	830	2000	ppbv		
VA2174	FD	12/17/2012	EPA TO15	Methylene chloride	4500	830	2000	ppbv		
VA2175	REG	12/17/2012	EPA TO15	Methylene chloride	2700	830	2000	ppbv		
VA2176	REG	12/17/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA2177	REG	12/17/2012	EPA TO15	Methylene chloride	1100	830	2000	ppbv	J	Tr
VA2178	REG	12/17/2012	EPA TO15	Methylene chloride	ND	420	1000	ppbv		
VA2179	REG	12/17/2012	EPA TO15	Methylene chloride	ND	420	1000	ppbv		
VA2180	REG	12/17/2012	EPA TO15	Methylene chloride	ND	420	1000	ppbv		
VA2181	REG	12/17/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2183	REG	12/17/2012	EPA TO15	Methylene chloride	ND	3300	8000	ppbv		
VA2184	REG	12/17/2012	EPA TO15	Methylene chloride	19000	830	2000	ppbv		
VA1996	REG	12/18/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA1997	REG	12/18/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA1998	REG	12/18/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA1999	REG	12/18/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2005	REG	12/18/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA2006	REG	12/18/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA2007	REG	12/18/2012	EPA TO15	Methylene chloride	ND	42000	100000	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Methylene chloride**	**2.3**	**2.1**	**5**	**ppbv**	**J**	**Tr**
VA2008	REG	12/18/2012	EPA TO15	Methylene chloride	ND	3300	8000	ppbv		
VA2009	REG	12/18/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA2010	REG	12/18/2012	EPA TO15	Methylene chloride	1100	830	2000	ppbv	J	Tr
VA2011	REG	12/18/2012	EPA TO15	Methylene chloride	1300	830	2000	ppbv	J	Tr
VA2012	REG	12/18/2012	EPA TO15	Methylene chloride	900	830	2000	ppbv	J	Tr
VA2013	FD	12/18/2012	EPA TO15	Methylene chloride	2000	830	2000	ppbv		
VA2021	REG	12/18/2012	EPA TO15	Methylene chloride	ND	1700	4000	ppbv		
VA2022	REG	12/18/2012	EPA TO15	Methylene chloride	3500	1700	4000	ppbv	J	Tr
VA2025	REG	12/18/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA2027	REG	12/18/2012	EPA TO15	Methylene chloride	1700	830	2000	ppbv	J	Tr
VA2182	REG	12/18/2012	EPA TO15	Methylene chloride	ND	830	2000	ppbv		
VA2201R	REG	12/19/2012	EPA TO15	Methylene chloride	ND	83	200	ppbv		
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Propylene**	**4.1**	**0.075**	**1**	**ppbv**		
VA1945	REG	12/17/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA1946	REG	12/17/2012	EPA TO15	Propylene	ND	1500	20000	ppbv		
VA1947	FD	12/17/2012	EPA TO15	Propylene	ND	1500	20000	ppbv		
VA1948	REG	12/17/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA1949	REG	12/17/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2014	REG	12/17/2012	EPA TO15	Propylene	ND	1500	20000	ppbv		
VA2015	REG	12/17/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2016	REG	12/17/2012	EPA TO15	Propylene	ND	3000	40000	ppbv		
VA2017	REG	12/17/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2018	REG	12/17/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2019	REG	12/17/2012	EPA TO15	Propylene	ND	1500	20000	ppbv		
VA2020	REG	12/17/2012	EPA TO15	Propylene	ND	1500	20000	ppbv		
VA2172	REG	12/17/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2173	REG	12/17/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2174	FD	12/17/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2175	REG	12/17/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2176	REG	12/17/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2177	REG	12/17/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2178	REG	12/17/2012	EPA TO15	Propylene	ND	15	200	ppbv		
VA2179	REG	12/17/2012	EPA TO15	Propylene	ND	15	200	ppbv		
VA2180	REG	12/17/2012	EPA TO15	Propylene	ND	15	200	ppbv		
VA2181	REG	12/17/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2183	REG	12/17/2012	EPA TO15	Propylene	ND	120	1600	ppbv		
VA2184	REG	12/17/2012	EPA TO15	Propylene	ND	30	400	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Propylene**	**4.1**	**0.075**	**1**	**ppbv**		
VA1996	REG	12/18/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA1997	REG	12/18/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA1998	REG	12/18/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA1999	REG	12/18/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2005	REG	12/18/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA2006	REG	12/18/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2007	REG	12/18/2012	EPA TO15	Propylene	ND	1500	20000	ppbv		
VA2008	REG	12/18/2012	EPA TO15	Propylene	2100	120	1600	ppbv		
VA2009	REG	12/18/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2010	REG	12/18/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2011	REG	12/18/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2012	REG	12/18/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2013	FD	12/18/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2021	REG	12/18/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2022	REG	12/18/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA2025	REG	12/18/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2027	REG	12/18/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2182	REG	12/18/2012	EPA TO15	Propylene	ND	30	400	ppbv		
VA2201R	REG	12/19/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Toluene**	**4.4**	**0.16**	**1**	**ppbv**		
VA1945	REG	12/17/2012	EPA TO15	Toluene	13000	130	800	ppbv		
VA1946	REG	12/17/2012	EPA TO15	Toluene	50000	3200	20000	ppbv		
VA1947	FD	12/17/2012	EPA TO15	Toluene	67000	3200	20000	ppbv		
VA1948	REG	12/17/2012	EPA TO15	Toluene	1600	63	400	ppbv		
VA1949	REG	12/17/2012	EPA TO15	Toluene	490	6.3	40	ppbv		
VA2014	REG	12/17/2012	EPA TO15	Toluene	170000	3200	20000	ppbv		
VA2015	REG	12/17/2012	EPA TO15	Toluene	13000	130	800	ppbv		
VA2016	REG	12/17/2012	EPA TO15	Toluene	180000	6300	40000	ppbv		
VA2017	REG	12/17/2012	EPA TO15	Toluene	9800	63	400	ppbv		
VA2018	REG	12/17/2012	EPA TO15	Toluene	10000	63	400	ppbv		
VA2019	REG	12/17/2012	EPA TO15	Toluene	140000	3200	20000	ppbv		
VA2020	REG	12/17/2012	EPA TO15	Toluene	100000	3200	20000	ppbv		
VA2172	REG	12/17/2012	EPA TO15	Toluene	5500	63	400	ppbv		
VA2173	REG	12/17/2012	EPA TO15	Toluene	4800	63	400	ppbv		
VA2174	FD	12/17/2012	EPA TO15	Toluene	5600	63	400	ppbv		
VA2175	REG	12/17/2012	EPA TO15	Toluene	3400	63	400	ppbv		
VA2176	REG	12/17/2012	EPA TO15	Toluene	8000	63	400	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Toluene**	**4.4**	**0.16**	**1**	**ppbv**		
VA2177	REG	12/17/2012	EPA TO15	Toluene	2800	63	400	ppbv		
VA2178	REG	12/17/2012	EPA TO15	Toluene	6800	32	200	ppbv		
VA2179	REG	12/17/2012	EPA TO15	Toluene	1300	32	200	ppbv		
VA2180	REG	12/17/2012	EPA TO15	Toluene	1500	32	200	ppbv		
VA2181	REG	12/17/2012	EPA TO15	Toluene	1400	6.3	40	ppbv		
VA2183	REG	12/17/2012	EPA TO15	Toluene	8500	250	1600	ppbv		
VA2184	REG	12/17/2012	EPA TO15	Toluene	22000	130	800	ppbv		
VA1996	REG	12/18/2012	EPA TO15	Toluene	38000	130	800	ppbv		
VA1997	REG	12/18/2012	EPA TO15	Toluene	13000	63	400	ppbv		
VA1998	REG	12/18/2012	EPA TO15	Toluene	8700	63	400	ppbv		
VA1999	REG	12/18/2012	EPA TO15	Toluene	5700	130	800	ppbv		
VA2005	REG	12/18/2012	EPA TO15	Toluene	650	6.3	40	ppbv		
VA2006	REG	12/18/2012	EPA TO15	Toluene	4100	63	400	ppbv		
VA2007	REG	12/18/2012	EPA TO15	Toluene	190000	3200	20000	ppbv		
VA2008	REG	12/18/2012	EPA TO15	Toluene	130000	1300	8000	ppbv		
VA2009	REG	12/18/2012	EPA TO15	Toluene	14000	63	400	ppbv		
VA2010	REG	12/18/2012	EPA TO15	Toluene	13000	63	400	ppbv		
VA2011	REG	12/18/2012	EPA TO15	Toluene	14000	63	400	ppbv		
VA2012	REG	12/18/2012	EPA TO15	Toluene	16000	63	400	ppbv		
VA2013	FD	12/18/2012	EPA TO15	Toluene	93000	1300	8000	ppbv		
VA2021	REG	12/18/2012	EPA TO15	Toluene	20000	130	800	ppbv		
VA2022	REG	12/18/2012	EPA TO15	Toluene	17000	130	800	ppbv		
VA2025	REG	12/18/2012	EPA TO15	Toluene	9100	63	400	ppbv		
VA2027	REG	12/18/2012	EPA TO15	Toluene	19000	63	400	ppbv		
VA2182	REG	12/18/2012	EPA TO15	Toluene	3200	63	400	ppbv		
VA2201R	REG	12/19/2012	EPA TO15	Toluene	1200	6.3	40	ppbv		
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Xylenes, Total**	**1.1**	**0.78**	**3**	**ppbv**	**J**	**Tr**
VA1945	REG	12/17/2012	EPA TO15	Xylenes, Total	2200	630	2400	ppbv	J	Tr
VA1946	REG	12/17/2012	EPA TO15	Xylenes, Total	ND	16000	60000	ppbv		
VA1947	FD	12/17/2012	EPA TO15	Xylenes, Total	ND	16000	60000	ppbv		
VA1948	REG	12/17/2012	EPA TO15	Xylenes, Total	660	310	1200	ppbv	J	Tr
VA1949	REG	12/17/2012	EPA TO15	Xylenes, Total	340	31	120	ppbv		
VA2014	REG	12/17/2012	EPA TO15	Xylenes, Total	ND	16000	60000	ppbv		
VA2015	REG	12/17/2012	EPA TO15	Xylenes, Total	6100	630	2400	ppbv		
VA2016	REG	12/17/2012	EPA TO15	Xylenes, Total	ND	31000	120000	ppbv		
VA2017	REG	12/17/2012	EPA TO15	Xylenes, Total	4200	310	1200	ppbv		
VA2018	REG	12/17/2012	EPA TO15	Xylenes, Total	6400	310	1200	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8110-TB	**TB**	**12/17/2012**	**EPA TO15**	**Xylenes, Total**	**1.1**	**0.78**	**3**	**ppbv**	**J**	**Tr**
VA2019	REG	12/17/2012	EPA TO15	Xylenes, Total	27000	16000	60000	ppbv	J	Tr
VA2020	REG	12/17/2012	EPA TO15	Xylenes, Total	21000	16000	60000	ppbv	J	Tr
VA2172	REG	12/17/2012	EPA TO15	Xylenes, Total	440	310	1200	ppbv	J	Tr
VA2173	REG	12/17/2012	EPA TO15	Xylenes, Total	460	310	1200	ppbv	J	Tr
VA2174	FD	12/17/2012	EPA TO15	Xylenes, Total	530	310	1200	ppbv	J	Tr
VA2175	REG	12/17/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2176	REG	12/17/2012	EPA TO15	Xylenes, Total	660	310	1200	ppbv	J	Tr
VA2177	REG	12/17/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2178	REG	12/17/2012	EPA TO15	Xylenes, Total	610	160	600	ppbv		
VA2179	REG	12/17/2012	EPA TO15	Xylenes, Total	ND	160	600	ppbv		
VA2180	REG	12/17/2012	EPA TO15	Xylenes, Total	ND	160	600	ppbv		
VA2181	REG	12/17/2012	EPA TO15	Xylenes, Total	140	31	120	ppbv		
VA2183	REG	12/17/2012	EPA TO15	Xylenes, Total	ND	1300	4800	ppbv		
VA2184	REG	12/17/2012	EPA TO15	Xylenes, Total	1800	310	1200	ppbv		
VA1996	REG	12/18/2012	EPA TO15	Xylenes, Total	6100	630	2400	ppbv		
VA1997	REG	12/18/2012	EPA TO15	Xylenes, Total	3200	310	1200	ppbv		
VA1998	REG	12/18/2012	EPA TO15	Xylenes, Total	2200	310	1200	ppbv		
VA1999	REG	12/18/2012	EPA TO15	Xylenes, Total	1200	630	2400	ppbv	J	Tr
VA2005	REG	12/18/2012	EPA TO15	Xylenes, Total	67	31	120	ppbv	J	Tr
VA2006	REG	12/18/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2007	REG	12/18/2012	EPA TO15	Xylenes, Total	ND	16000	60000	ppbv		
VA2008	REG	12/18/2012	EPA TO15	Xylenes, Total	5700	1300	4800	ppbv		
VA2009	REG	12/18/2012	EPA TO15	Xylenes, Total	5000	310	1200	ppbv		
VA2010	REG	12/18/2012	EPA TO15	Xylenes, Total	5400	310	1200	ppbv		
VA2011	REG	12/18/2012	EPA TO15	Xylenes, Total	5700	310	1200	ppbv		
VA2012	REG	12/18/2012	EPA TO15	Xylenes, Total	6800	310	1200	ppbv		
VA2013	FD	12/18/2012	EPA TO15	Xylenes, Total	14000	310	1200	ppbv		
VA2021	REG	12/18/2012	EPA TO15	Xylenes, Total	6000	630	2400	ppbv		
VA2022	REG	12/18/2012	EPA TO15	Xylenes, Total	5400	630	2400	ppbv		
VA2025	REG	12/18/2012	EPA TO15	Xylenes, Total	1300	310	1200	ppbv		
VA2027	REG	12/18/2012	EPA TO15	Xylenes, Total	2200	310	1200	ppbv		
VA2182	REG	12/18/2012	EPA TO15	Xylenes, Total	ND	310	1200	ppbv		
VA2201R	REG	12/19/2012	EPA TO15	Xylenes, Total	200	31	120	ppbv		
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**1,3-Butadiene**	**11**	**0.15**	**1**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	1,3-Butadiene	ND	3000	20000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	1,3-Butadiene	ND	3000	20000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	1,3-Butadiene	3100	120	800	ppbv		

Appendix B3 - Table 4
Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**1,3-Butadiene**	**11**	**0.15**	**1**	**ppbv**		
VA9091	REG	12/18/2012	EPA TO15	1,3-Butadiene	ND	120	800	ppbv		
VA9093	REG	12/18/2012	EPA TO15	1,3-Butadiene	25000	1200	8000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	1,3-Butadiene	ND	6.1	40	ppbv		
VA9089	REG	12/19/2012	EPA TO15	1,3-Butadiene	72000	1200	8000	ppbv		
VA9094	REG	12/19/2012	EPA TO15	1,3-Butadiene	ND	3000	20000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	1,3-Butadiene	13000	120	800	ppbv		
VA9096	FD	12/19/2012	EPA TO15	1,3-Butadiene	9500	120	800	ppbv		
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**Acetone**	**4.3**	**0.43**	**1**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	Acetone	120000	8600	20000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	Acetone	120000	8600	20000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	Acetone	12000	340	800	ppbv		
VA9091	REG	12/18/2012	EPA TO15	Acetone	ND	340	800	ppbv		
VA9093	REG	12/18/2012	EPA TO15	Acetone	ND	3400	8000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	Acetone	ND	17	40	ppbv		
VA9089	REG	12/19/2012	EPA TO15	Acetone	13000	3400	8000	ppbv		
VA9094	REG	12/19/2012	EPA TO15	Acetone	38000	8600	20000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	Acetone	4600	340	800	ppbv		
VA9096	FD	12/19/2012	EPA TO15	Acetone	3900	340	800	ppbv		
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**Benzene**	**32**	**0.13**	**1**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	Benzene	30000	2500	20000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	Benzene	26000	2500	20000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	Benzene	4600	100	800	ppbv		
VA9091	REG	12/18/2012	EPA TO15	Benzene	2400	100	800	ppbv		
VA9093	REG	12/18/2012	EPA TO15	Benzene	52000	1000	8000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	Benzene	200	5	40	ppbv		
VA9089	REG	12/19/2012	EPA TO15	Benzene	92000	1000	8000	ppbv		
VA9094	REG	12/19/2012	EPA TO15	Benzene	190000	2500	20000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	Benzene	25000	100	800	ppbv		
VA9096	FD	12/19/2012	EPA TO15	Benzene	21000	100	800	ppbv		
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**Cyclohexane**	**55**	**2.7**	**8**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	Cyclohexane	120000	14000	40000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	Cyclohexane	100000	14000	40000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	Cyclohexane	11000	550	1600	ppbv		
VA9091	REG	12/18/2012	EPA TO15	Cyclohexane	4700	550	1600	ppbv		
VA9093	REG	12/18/2012	EPA TO15	Cyclohexane	68000	5500	16000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	Cyclohexane	450	27	80	ppbv		
VA9089	REG	12/19/2012	EPA TO15	Cyclohexane	140000	5500	16000	ppbv		

Appendix B3 - Table 4
Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**Cyclohexane**	**55**	**2.7**	**8**	**ppbv**		
VA9094	REG	12/19/2012	EPA TO15	Cyclohexane	540000	14000	40000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	Cyclohexane	14000	550	1600	ppbv		
VA9096	FD	12/19/2012	EPA TO15	Cyclohexane	13000	550	1600	ppbv		
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**Ethylbenzene**	**2.7**	**0.74**	**2**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	Ethylbenzene	ND	15000	40000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	Ethylbenzene	ND	15000	40000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	Ethylbenzene	1200	590	1600	ppbv	J	Tr
VA9091	REG	12/18/2012	EPA TO15	Ethylbenzene	1000	590	1600	ppbv	J	Tr
VA9093	REG	12/18/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	Ethylbenzene	120	29	80	ppbv		
VA9089	REG	12/19/2012	EPA TO15	Ethylbenzene	ND	5900	16000	ppbv		
VA9094	REG	12/19/2012	EPA TO15	Ethylbenzene	ND	15000	40000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	Ethylbenzene	2500	590	1600	ppbv		
VA9096	FD	12/19/2012	EPA TO15	Ethylbenzene	2400	590	1600	ppbv		
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**Heptane**	**35**	**0.25**	**1**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	Heptane	140000	5000	20000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	Heptane	110000	5000	20000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	Heptane	18000	200	800	ppbv		
VA9091	REG	12/18/2012	EPA TO15	Heptane	6500	200	800	ppbv		
VA9093	REG	12/18/2012	EPA TO15	Heptane	56000	2000	8000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	Heptane	640	10	40	ppbv		
VA9089	REG	12/19/2012	EPA TO15	Heptane	110000	2000	8000	ppbv		
VA9094	REG	12/19/2012	EPA TO15	Heptane	370000	5000	20000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	Heptane	15000	200	800	ppbv		
VA9096	FD	12/19/2012	EPA TO15	Heptane	12000	200	800	ppbv		
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**m,p-Xylene**	**6.5**	**0.52**	**2**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	m,p-Xylene	ND	10000	40000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	m,p-Xylene	ND	10000	40000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	m,p-Xylene	3200	420	1600	ppbv		
VA9091	REG	12/18/2012	EPA TO15	m,p-Xylene	2800	420	1600	ppbv		
VA9093	REG	12/18/2012	EPA TO15	m,p-Xylene	ND	4200	16000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	m,p-Xylene	410	21	80	ppbv		
VA9089	REG	12/19/2012	EPA TO15	m,p-Xylene	10000	4200	16000	ppbv	J	Tr
VA9094	REG	12/19/2012	EPA TO15	m,p-Xylene	ND	10000	40000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	m,p-Xylene	6700	420	1600	ppbv		
VA9096	FD	12/19/2012	EPA TO15	m,p-Xylene	6600	420	1600	ppbv		

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Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**n-Hexane**	**42**	**0.69**	**2**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	n-Hexane	73000	14000	40000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	n-Hexane	61000	14000	40000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	n-Hexane	5600	550	1600	ppbv		
VA9091	REG	12/18/2012	EPA TO15	n-Hexane	2400	550	1600	ppbv		
VA9093	REG	12/18/2012	EPA TO15	n-Hexane	51000	5500	16000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	n-Hexane	220	28	80	ppbv		
VA9089	REG	12/19/2012	EPA TO15	n-Hexane	110000	5500	16000	ppbv		
VA9094	REG	12/19/2012	EPA TO15	n-Hexane	480000	14000	40000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	n-Hexane	9600	550	1600	ppbv		
VA9096	FD	12/19/2012	EPA TO15	n-Hexane	8500	550	1600	ppbv		
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**o-Xylene**	**1.7**	**0.26**	**1**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	o-Xylene	ND	5200	20000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	o-Xylene	ND	5200	20000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	o-Xylene	940	210	800	ppbv		
VA9091	REG	12/18/2012	EPA TO15	o-Xylene	840	210	800	ppbv		
VA9093	REG	12/18/2012	EPA TO15	o-Xylene	ND	2100	8000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	o-Xylene	120	10	40	ppbv		
VA9089	REG	12/19/2012	EPA TO15	o-Xylene	ND	2100	8000	ppbv		
VA9094	REG	12/19/2012	EPA TO15	o-Xylene	ND	5200	20000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	o-Xylene	2000	210	800	ppbv		
VA9096	FD	12/19/2012	EPA TO15	o-Xylene	2000	210	800	ppbv		
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**Propylene**	**120**	**0.3**	**4**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	Propylene	ND	1500	20000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	Propylene	ND	1500	20000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	Propylene	19000	60	800	ppbv		
VA9091	REG	12/18/2012	EPA TO15	Propylene	ND	60	800	ppbv		
VA9093	REG	12/18/2012	EPA TO15	Propylene	480000	1500	20000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	Propylene	ND	3	40	ppbv		
VA9089	REG	12/19/2012	EPA TO15	Propylene	590000	1500	20000	ppbv		
VA9094	REG	12/19/2012	EPA TO15	Propylene	ND	1500	20000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	Propylene	210000	600	8000	ppbv		
VA9096	FD	12/19/2012	EPA TO15	Propylene	160000	600	8000	ppbv		
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**Toluene**	**46**	**0.16**	**1**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	Toluene	100000	3200	20000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	Toluene	69000	3200	20000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	Toluene	18000	130	800	ppbv		
VA9091	REG	12/18/2012	EPA TO15	Toluene	12000	130	800	ppbv		

Appendix B3 - Table 4
Detected Trip Blank Results and Associated Sample Results
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Field Sample ID	Sample Type	Sample Date	Method	Analyte	Result	DL	LOQ	Units	Qualifier	Reason Code
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**Toluene**	**46**	**0.16**	**1**	**ppbv**		
VA9093	REG	12/18/2012	EPA TO15	Toluene	30000	1300	8000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	Toluene	1100	6.3	40	ppbv		
VA9089	REG	12/19/2012	EPA TO15	Toluene	85000	1300	8000	ppbv		
VA9094	REG	12/19/2012	EPA TO15	Toluene	250000	3200	20000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	Toluene	29000	130	800	ppbv		
VA9096	FD	12/19/2012	EPA TO15	Toluene	27000	130	800	ppbv		
VA8112-TB	**TB**	**12/19/2012**	**EPA TO15**	**Xylenes, Total**	**8.2**	**0.78**	**3**	**ppbv**		
VA9084	REG	12/18/2012	EPA TO15	Xylenes, Total	ND	16000	60000	ppbv		
VA9085	FD	12/18/2012	EPA TO15	Xylenes, Total	ND	16000	60000	ppbv		
VA9086	REG	12/18/2012	EPA TO15	Xylenes, Total	4100	630	2400	ppbv		
VA9091	REG	12/18/2012	EPA TO15	Xylenes, Total	3700	630	2400	ppbv		
VA9093	REG	12/18/2012	EPA TO15	Xylenes, Total	ND	6300	24000	ppbv		
VA9088	REG	12/19/2012	EPA TO15	Xylenes, Total	540	31	120	ppbv		
VA9089	REG	12/19/2012	EPA TO15	Xylenes, Total	10000	6300	24000	ppbv	J	Tr
VA9094	REG	12/19/2012	EPA TO15	Xylenes, Total	ND	16000	60000	ppbv		
VA9095	REG	12/19/2012	EPA TO15	Xylenes, Total	8700	630	2400	ppbv		
VA9096	FD	12/19/2012	EPA TO15	Xylenes, Total	8600	630	2400	ppbv		

Notes: See Appendix B - Table 2 for definitions of Qualifiers and Reason Codes.

DL Detection Limit
LOQ Limit of Quantitation
REG Normal sample sent to the lab
FD Field Duplicate sample
TB Trip Blank
ND Not Detected at the LOQ
ppbv parts per billion volume

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Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106028-450									
ASTM D2504	Carbon dioxide	12/18/2012	0.17	0.1	0.38	0.1	%V/V	76.4	No
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		82	0.1	82	0.1	%V/V	0	Yes
	Oxygen		22	0.1	22	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloroethane		ND	400	ND	400	ppbv	--	--
	1,1-Dichloroethane		ND	400	ND	400	ppbv	--	--
	1,1-Dichloroethene		ND	400	ND	400	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	400	620	400	ppbv	--	--
	1,2-Dibromoethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,2-Dichloroethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichloropropane		ND	400	ND	400	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	400	ND	400	ppbv	--	--
	1,3-Butadiene		ND	400	ND	400	ppbv	--	--
	1,3-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,4-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	2-Butanone		ND	400	600	400	ppbv	--	--
	2-Hexanone		ND	400	ND	400	ppbv	--	--
	4-Methyl-2-pentanone		ND	400	ND	400	ppbv	--	--
	Acetone		860	400	1900	400	ppbv	75.4	No
	Benzene		5600	400	8400	400	ppbv	40	Yes
	Benzyl chloride		ND	400	ND	400	ppbv	--	--
	Bromodichloromethane		ND	400	ND	400	ppbv	--	--
	Bromoform		ND	400	ND	400	ppbv	--	--
	Bromomethane		ND	400	ND	400	ppbv	--	--
	Carbon disulfide		ND	400	ND	400	ppbv	--	--
	Carbon tetrachloride		ND	400	ND	400	ppbv	--	--
	Chlorobenzene		ND	400	ND	400	ppbv	--	--
	Chlorodibromomethane		ND	400	ND	400	ppbv	--	--
	Chloroethane		ND	400	ND	400	ppbv	--	--
	Chloroform		ND	400	ND	400	ppbv	--	--
	Chloromethane		ND	400	ND	400	ppbv	--	--

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106028-450									
EPA TO15	cis-1,2-Dichloroethene	12/18/2012	ND	400	ND	400	ppbv	--	--
	cis-1,3-dichloropropene		ND	400	ND	400	ppbv	--	--
	Cyclohexane		10000	800	19000	800	ppbv	62.1	No
	Dichlorodifluoromethane		ND	400	ND	400	ppbv	--	--
	Ethyl acetate		ND	400	ND	400	ppbv	--	--
	Ethylbenzene		1900	800	3800	800	ppbv	66.7	No
	Heptane		8900	400	17000	400	ppbv	62.5	No
	Hexachlorobutadiene		ND	800	ND	800	ppbv	--	--
	m,p-Xylene		5200	800	10000	800	ppbv	63.2	No
	Methylene chloride		900 J	2000	2000	2000	ppbv	--	--
	Naphthalene		ND	400	ND	400	ppbv	--	--
	n-Hexane		5500	800	9500	800	ppbv	53.3	No
	o-Xylene		1600	400	3300	400	ppbv	69.4	No
	Propylene		ND	400	ND	400	ppbv	--	--
	Styrene		ND	400	ND	400	ppbv	--	--
	tert-Butyl Methyl Ether		ND	400	ND	400	ppbv	--	--
	Tetrachloroethene		ND	400	ND	400	ppbv	--	--
	Tetrahydrofuran		ND	400	ND	400	ppbv	--	--
	Toluene		16000	400	93000	8000	ppbv	141.3	No
	trans-1,2-Dichloroethene		ND	400	ND	400	ppbv	--	--
	trans-1,3-dichloropropene		ND	400	ND	400	ppbv	--	--
	Trichloroethene		ND	400	ND	400	ppbv	--	--
	Trichlorofluoromethane		ND	400	ND	400	ppbv	--	--
	Vinyl acetate		ND	400	ND	400	ppbv	--	--
	Vinyl chloride		ND	400	ND	400	ppbv	--	--
	Xylenes, Total		6800	1200	14000	1200	ppbv	69.2	No
MA APH	C5-C8 Aliphatic Hydrocarbons		1200000	190000	1500000	190000	ug/m3	22.2	Yes
	C9-C10 Aromatic Hydrocarbons		ND	210000	ND	210000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		110000 J	300000	210000 J	300000	ug/m3	--	--
KAFB-106108-350									
ASTM D2504	Carbon dioxide	11/27/2012	0.22	0.1	0.24	0.1	%V/V	8.7	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		80	0.1	80	0.1	%V/V	0	Yes
	Oxygen		20	0.1	21	0.1	%V/V	4.9	Yes
EPA TO15	1,1,1-Trichloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	800	ND	800	ppbv	--	--

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Field Duplicate Summary
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106108-350									
EPA TO15	1,1,2-Trichloroethane	11/27/2012	ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethene		ND	800	ND	800	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	800	ND	800	ppbv	--	--
	1,2-Dibromoethane		ND	800	ND	800	ppbv	--	--
	1,2-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,2-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,2-Dichloropropane		ND	800	ND	800	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	800	ND	800	ppbv	--	--
	1,3-Butadiene		ND	800	ND	800	ppbv	--	--
	1,3-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,4-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	2-Butanone		ND	800	ND	800	ppbv	--	--
	2-Hexanone		ND	800	ND	800	ppbv	--	--
	4-Methyl-2-pentanone		ND	800	ND	800	ppbv	--	--
	Acetone		ND	800	980	800	ppbv	--	--
	Benzene		3700	800	5000	800	ppbv	29.9	Yes
	Benzyl chloride		ND	800	ND	800	ppbv	--	--
	Bromodichloromethane		ND	800	ND	800	ppbv	--	--
	Bromoform		ND	800	ND	800	ppbv	--	--
	Bromomethane		ND	800	ND	800	ppbv	--	--
	Carbon disulfide		ND	800	ND	800	ppbv	--	--
	Carbon tetrachloride		ND	800	ND	800	ppbv	--	--
	Chlorobenzene		ND	800	ND	800	ppbv	--	--
	Chlorodibromomethane		ND	800	ND	800	ppbv	--	--
	Chloroethane		ND	800	ND	800	ppbv	--	--
	Chloroform		ND	800	ND	800	ppbv	--	--
	Chloromethane		ND	800	ND	800	ppbv	--	--
	cis-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	cis-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Cyclohexane		2800	1600	4000	1600	ppbv	35.3	Yes
	Dichlorodifluoromethane		ND	800	ND	800	ppbv	--	--
	Ethyl acetate		ND	800	ND	800	ppbv	--	--
	Ethylbenzene		ND	1600	ND	1600	ppbv	--	--
	Heptane		ND	800	ND	800	ppbv	--	--
	Hexachlorobutadiene		ND	1600	ND	1600	ppbv	--	--

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Field Duplicate Summary
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106108-350									
EPA TO15	m,p-Xylene	11/27/2012	ND	1600	ND	1600	ppbv	--	--
	Methylene chloride		ND	4000	ND	4000	ppbv	--	--
	Naphthalene		ND	800	ND	800	ppbv	--	--
	n-Hexane		2600	1600	3600	1600	ppbv	32.3	Yes
	o-Xylene		ND	800	ND	800	ppbv	--	--
	Propylene		ND	800	ND	800	ppbv	--	--
	Styrene		ND	800	ND	800	ppbv	--	--
	tert-Butyl Methyl Ether		ND	800	ND	800	ppbv	--	--
	Tetrachloroethene		ND	800	ND	800	ppbv	--	--
	Tetrahydrofuran		ND	800	ND	800	ppbv	--	--
	Toluene		5100	800	7400	800	ppbv	36.8	Yes
	trans-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	trans-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Trichloroethene		ND	800	ND	800	ppbv	--	--
	Trichlorofluoromethane		ND	800	ND	800	ppbv	--	--
	Vinyl acetate		ND	800	ND	800	ppbv	--	--
	Vinyl chloride		ND	800	ND	800	ppbv	--	--
	Xylenes, Total		ND	2400	ND	2400	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		760000	94000	620000	94000	ug/m3	20.3	Yes
	C9-C10 Aromatic Hydrocarbons		ND	110000	ND	110000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	150000	ND	150000	ug/m3	--	--
KAFB-106110-050									
ASTM D2504	Carbon dioxide	11/15/2012	0.77	0.1	0.7	0.1	%V/V	9.5	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		80	0.1	79	0.1	%V/V	1.3	Yes
	Oxygen		21	0.1	21	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	4	ND	4	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	4	ND	4	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	4	ND	4	ppbv	--	--
	1,1,2-Trichloroethane		ND	4	ND	4	ppbv	--	--
	1,1-Dichloroethane		ND	4	ND	4	ppbv	--	--
	1,1-Dichloroethene		ND	4	ND	4	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	4	ND	4	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	4	ND	4	ppbv	--	--
	1,2-Dibromoethane		ND	4	ND	4	ppbv	--	--
	1,2-Dichlorobenzene		ND	4	ND	4	ppbv	--	--
	1,2-Dichloroethane		ND	4	ND	4	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106110-050									
EPA TO15	1,2-Dichloropropane	11/15/2012	ND	4	ND	4	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	4	ND	4	ppbv	--	--
	1,3-Butadiene		ND	4	ND	4	ppbv	--	--
	1,3-Dichlorobenzene		ND	4	ND	4	ppbv	--	--
	1,4-Dichlorobenzene		ND	4	ND	4	ppbv	--	--
	2-Butanone		ND	4	ND	4	ppbv	--	--
	2-Hexanone		ND	4	ND	4	ppbv	--	--
	4-Methyl-2-pentanone		ND	4	ND	4	ppbv	--	--
	Acetone		26 U	4	10 U	4	ppbv	--	--
	Benzene		9.8 U	4	ND	4	ppbv	--	--
	Benzyl chloride		ND	4	ND	4	ppbv	--	--
	Bromodichloromethane		ND	4	ND	4	ppbv	--	--
	Bromoform		ND	4	ND	4	ppbv	--	--
	Bromomethane		ND	4	ND	4	ppbv	--	--
	Carbon disulfide		ND	4	ND	4	ppbv	--	--
	Carbon tetrachloride		ND	4	ND	4	ppbv	--	--
	Chlorobenzene		ND	4	ND	4	ppbv	--	--
	Chlorodibromomethane		ND	4	ND	4	ppbv	--	--
	Chloroethane		ND	4	ND	4	ppbv	--	--
	Chloroform		ND	4	ND	4	ppbv	--	--
	Chloromethane		ND	4	ND	4	ppbv	--	--
	cis-1,2-Dichloroethene		ND	4	ND	4	ppbv	--	--
	cis-1,3-dichloropropene		ND	4	ND	4	ppbv	--	--
	Cyclohexane		40 U	8	13 U	8	ppbv	--	--
	Dichlorodifluoromethane		ND	4	ND	4	ppbv	--	--
	Ethyl acetate		ND	4	ND	4	ppbv	--	--
	Ethylbenzene		ND	8	ND	8	ppbv	--	--
	Heptane		37 U	4	5.4 U	4	ppbv	--	--
	Hexachlorobutadiene		ND	8	ND	8	ppbv	--	--
	m,p-Xylene		ND	8	7.1 J	8	ppbv	--	--
	Methylene chloride		47 U	20	ND	20	ppbv	--	--
	Naphthalene		ND	4	ND	4	ppbv	--	--
	n-Hexane		29 U	8	ND	8	ppbv	--	--
	o-Xylene		ND	4	4	4	ppbv	--	--
	Propylene		ND	4	ND	4	ppbv	--	--
	Styrene		ND	4	ND	4	ppbv	--	--
	tert-Butyl Methyl Ether		ND	4	ND	4	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106110-050									
EPA TO15	Tetrachloroethene	11/15/2012	ND	4	ND	4	ppbv	--	--
	Tetrahydrofuran		ND	4	ND	4	ppbv	--	--
	Toluene		29 U	4	15 U	4	ppbv	--	--
	trans-1,2-Dichloroethene		ND	4	ND	4	ppbv	--	--
	trans-1,3-dichloropropene		ND	4	ND	4	ppbv	--	--
	Trichloroethene		ND	4	ND	4	ppbv	--	--
	Trichlorofluoromethane		ND	4	ND	4	ppbv	--	--
	Vinyl acetate		ND	4	ND	4	ppbv	--	--
	Vinyl chloride		ND	4	ND	4	ppbv	--	--
	Xylenes, Total		ND	12	11 J	12	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		4700	940	4000	940	ug/m3	16.1	Yes
	C9-C10 Aromatic Hydrocarbons		ND	1100	ND	1100	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		310 J	1500	2100	1500	ug/m3	--	--
KAFB-106112-150									
ASTM D2504	Carbon dioxide	12/12/2012	0.72	0.1	0.66	0.1	%V/V	8.7	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		84	0.1	84	0.1	%V/V	0	Yes
	Oxygen		19	0.1	19	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	200	ND	200	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	200	ND	200	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	200	ND	200	ppbv	--	--
	1,1,2-Trichloroethane		ND	200	ND	200	ppbv	--	--
	1,1-Dichloroethane		ND	200	ND	200	ppbv	--	--
	1,1-Dichloroethene		ND	200	ND	200	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	200	ND	200	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	200	ND	200	ppbv	--	--
	1,2-Dibromoethane		ND	200	ND	200	ppbv	--	--
	1,2-Dichlorobenzene		ND	200	ND	200	ppbv	--	--
	1,2-Dichloroethane		ND	200	ND	200	ppbv	--	--
	1,2-Dichloropropane		ND	200	ND	200	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	200	ND	200	ppbv	--	--
	1,3-Butadiene		ND	200	ND	200	ppbv	--	--
	1,3-Dichlorobenzene		ND	200	ND	200	ppbv	--	--
	1,4-Dichlorobenzene		ND	200	ND	200	ppbv	--	--
	2-Butanone		ND	200	ND	200	ppbv	--	--
	2-Hexanone		ND	200	ND	200	ppbv	--	--
	4-Methyl-2-pentanone		ND	200	ND	200	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106112-150									
EPA TO15	Acetone	12/12/2012	210 U	200	ND	200	ppbv	--	--
	Benzene		660	200	480 U	200	ppbv	--	--
	Benzyl chloride		ND	200	ND	200	ppbv	--	--
	Bromodichloromethane		ND	200	ND	200	ppbv	--	--
	Bromoform		ND	200	ND	200	ppbv	--	--
	Bromomethane		ND	200	ND	200	ppbv	--	--
	Carbon disulfide		ND	200	ND	200	ppbv	--	--
	Carbon tetrachloride		ND	200	ND	200	ppbv	--	--
	Chlorobenzene		ND	200	ND	200	ppbv	--	--
	Chlorodibromomethane		ND	200	ND	200	ppbv	--	--
	Chloroethane		ND	200	ND	200	ppbv	--	--
	Chloroform		ND	200	ND	200	ppbv	--	--
	Chloromethane		ND	200	ND	200	ppbv	--	--
	cis-1,2-Dichloroethene		ND	200	ND	200	ppbv	--	--
	cis-1,3-dichloropropene		ND	200	ND	200	ppbv	--	--
	Cyclohexane		980 U	400	770 U	400	ppbv	--	--
	Dichlorodifluoromethane		ND	200	ND	200	ppbv	--	--
	Ethyl acetate		ND	200	ND	200	ppbv	--	--
	Ethylbenzene		ND	400	ND	400	ppbv	--	--
	Heptane		920 U	200	680 U	200	ppbv	--	--
	Hexachlorobutadiene		ND	400	ND	400	ppbv	--	--
	m,p-Xylene		ND	400	ND	400	ppbv	--	--
	Methylene chloride		ND	1000	ND	1000	ppbv	--	--
	Naphthalene		ND	200	ND	200	ppbv	--	--
	n-Hexane		620 U	400	460 U	400	ppbv	--	--
	o-Xylene		ND	200	ND	200	ppbv	--	--
	Propylene		ND	200	ND	200	ppbv	--	--
	Styrene		ND	200	ND	200	ppbv	--	--
	tert-Butyl Methyl Ether		ND	200	ND	200	ppbv	--	--
	Tetrachloroethene		ND	200	ND	200	ppbv	--	--
	Tetrahydrofuran		ND	200	ND	200	ppbv	--	--
	Toluene		2500 U	200	1700 U	200	ppbv	--	--
	trans-1,2-Dichloroethene		ND	200	ND	200	ppbv	--	--
	trans-1,3-dichloropropene		ND	200	ND	200	ppbv	--	--
	Trichloroethene		ND	200	ND	200	ppbv	--	--
	Trichlorofluoromethane		ND	200	ND	200	ppbv	--	--
	Vinyl acetate		ND	200	ND	200	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106112-150									
EPA TO15	Vinyl chloride	12/12/2012	ND	200	ND	200	ppbv	--	--
	Xylenes, Total		ND	600	ND	600	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		83000	23000	69000	23000	ug/m3	18.4	Yes
	C9-C10 Aromatic Hydrocarbons		ND	27000	ND	27000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	38000	ND	38000	ug/m3	--	--
KAFB-106114-150									
ASTM D2504	Carbon dioxide	11/27/2012	0.33	0.1	0.3	0.1	%V/V	9.5	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		81	0.1	81	0.1	%V/V	0	Yes
	Oxygen		20	0.1	20	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trimethylbenzene		190 J+	40	110 J+	40	ppbv	53.3	No
	1,2-Dibromoethane		120 J+	40	75 J+	40	ppbv	46.2	Yes
	1,2-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichloropropane		ND	40	ND	40	ppbv	--	--
	1,3,5-Trimethylbenzene		100 J+	40	59 J+	40	ppbv	51.6	No
	1,3-Butadiene		ND	40	ND	40	ppbv	--	--
	1,3-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,4-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	2-Butanone		520 J+	40	680 J+	40	ppbv	26.7	Yes
	2-Hexanone		ND	40	ND	40	ppbv	--	--
	4-Methyl-2-pentanone		ND	40	ND	40	ppbv	--	--
	Acetone		430 J+	40	490 J+	40	ppbv	13	Yes
	Benzene		6800 J+	800	3800 J+	800	ppbv	56.6	No
	Benzyl chloride		ND	40	ND	40	ppbv	--	--
	Bromodichloromethane		ND	40	ND	40	ppbv	--	--
	Bromoform		ND	40	ND	40	ppbv	--	--
	Bromomethane		ND	40	ND	40	ppbv	--	--
	Carbon disulfide		ND	40	ND	40	ppbv	--	--
	Carbon tetrachloride		ND	40	ND	40	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106114-150									
EPA TO15	Chlorobenzene	11/27/2012	ND	40	ND	40	ppbv	--	--
	Chlorodibromomethane		ND	40	ND	40	ppbv	--	--
	Chloroethane		ND	40	ND	40	ppbv	--	--
	Chloroform		ND	40	ND	40	ppbv	--	--
	Chloromethane		ND	40	ND	40	ppbv	--	--
	cis-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	cis-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Cyclohexane		17000 J+	1600	12000 J+	1600	ppbv	34.5	Yes
	Dichlorodifluoromethane		ND	40	ND	40	ppbv	--	--
	Ethyl acetate		ND	40	ND	40	ppbv	--	--
	Ethylbenzene		1400 J+	80	950 J+	80	ppbv	38.3	Yes
	Heptane		20000 J+	800	13000 J+	800	ppbv	42.4	Yes
	Hexachlorobutadiene		ND	80	ND	80	ppbv	--	--
	m,p-Xylene		2800 J+	80	1900 J+	80	ppbv	38.3	Yes
	Methylene chloride		ND	200	ND	200	ppbv	--	--
	Naphthalene		ND	40	ND	40	ppbv	--	--
	n-Hexane		13000 J+	1600	6300 J+	1600	ppbv	69.4	No
	o-Xylene		1000 J+	40	660 J+	40	ppbv	41	Yes
	Propylene		ND	40	ND	40	ppbv	--	--
	Styrene		ND	40	ND	40	ppbv	--	--
	tert-Butyl Methyl Ether		ND	40	ND	40	ppbv	--	--
	Tetrachloroethene		ND	40	ND	40	ppbv	--	--
	Tetrahydrofuran		ND	40	ND	40	ppbv	--	--
	Toluene		28000 J+	800	14000 J+	800	ppbv	66.7	No
	trans-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	trans-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Trichloroethene		ND	40	ND	40	ppbv	--	--
	Trichlorofluoromethane		ND	40	ND	40	ppbv	--	--
	Vinyl acetate		ND	40	ND	40	ppbv	--	--
	Vinyl chloride		ND	40	ND	40	ppbv	--	--
	Xylenes, Total		3800 J+	120	2600 J+	120	ppbv	37.5	Yes
MA APH	C5-C8 Aliphatic Hydrocarbons		2400000	940000	1700000	940000	ug/m3	34.1	Yes
	C9-C10 Aromatic Hydrocarbons		ND	1100000	ND	1100000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	1500000	ND	1500000	ug/m3	--	--
KAFB-106116-050									
ASTM D2504	Carbon dioxide	11/26/2012	0.6	0.1	0.61	0.1	%V/V	1.7	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106116-050									
ASTM D2504	Nitrogen	11/26/2012	80	0.1	80	0.1	%V/V	0	Yes
	Oxygen		21	0.1	21	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloroethane		ND	400	ND	400	ppbv	--	--
	1,1-Dichloroethane		ND	400	ND	400	ppbv	--	--
	1,1-Dichloroethene		ND	400	ND	400	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	400	ND	400	ppbv	--	--
	1,2-Dibromoethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,2-Dichloroethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichloropropane		ND	400	ND	400	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	400	ND	400	ppbv	--	--
	1,3-Butadiene		ND	400	ND	400	ppbv	--	--
	1,3-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,4-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	2-Butanone		ND	400	ND	400	ppbv	--	--
	2-Hexanone		ND	400	ND	400	ppbv	--	--
	4-Methyl-2-pentanone		ND	400	ND	400	ppbv	--	--
	Acetone		ND	400	460	400	ppbv	--	--
	Benzene		690	400	880	400	ppbv	24.2	Yes
	Benzyl chloride		ND	400	ND	400	ppbv	--	--
	Bromodichloromethane		ND	400	ND	400	ppbv	--	--
	Bromoform		ND	400	ND	400	ppbv	--	--
	Bromomethane		ND	400	ND	400	ppbv	--	--
	Carbon disulfide		ND	400	ND	400	ppbv	--	--
	Carbon tetrachloride		ND	400	ND	400	ppbv	--	--
	Chlorobenzene		ND	400	ND	400	ppbv	--	--
	Chlorodibromomethane		ND	400	ND	400	ppbv	--	--
	Chloroethane		ND	400	ND	400	ppbv	--	--
	Chloroform		ND	400	ND	400	ppbv	--	--
	Chloromethane		ND	400	ND	400	ppbv	--	--
	cis-1,2-Dichloroethene		ND	400	ND	400	ppbv	--	--
	cis-1,3-dichloropropene		ND	400	ND	400	ppbv	--	--
	Cyclohexane		1500	800	2100	800	ppbv	33.3	Yes

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Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106116-050									
EPA TO15	Dichlorodifluoromethane	11/26/2012	ND	400	ND	400	ppbv	--	--
	Ethyl acetate		ND	400	ND	400	ppbv	--	--
	Ethylbenzene		ND	800	ND	800	ppbv	--	--
	Heptane		1100	400	1500	400	ppbv	30.8	Yes
	Hexachlorobutadiene		ND	800	ND	800	ppbv	--	--
	m,p-Xylene		ND	800	450 J	800	ppbv	--	--
	Methylene chloride		ND	2000	1300 J	2000	ppbv	--	--
	Naphthalene		ND	400	ND	400	ppbv	--	--
	n-Hexane		740 J	800	1100	800	ppbv	--	--
	o-Xylene		ND	400	ND	400	ppbv	--	--
	Propylene		ND	400	ND	400	ppbv	--	--
	Styrene		ND	400	ND	400	ppbv	--	--
	tert-Butyl Methyl Ether		ND	400	ND	400	ppbv	--	--
	Tetrachloroethene		ND	400	ND	400	ppbv	--	--
	Tetrahydrofuran		ND	400	ND	400	ppbv	--	--
	Toluene		1400	400	1900	400	ppbv	30.3	Yes
	trans-1,2-Dichloroethene		ND	400	ND	400	ppbv	--	--
	trans-1,3-dichloropropene		ND	400	ND	400	ppbv	--	--
	Trichloroethene		ND	400	ND	400	ppbv	--	--
	Trichlorofluoromethane		ND	400	ND	400	ppbv	--	--
	Vinyl acetate		ND	400	ND	400	ppbv	--	--
	Vinyl chloride		ND	400	ND	400	ppbv	--	--
	Xylenes, Total		ND	1200	450 J	1200	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		180000	47000	390000	47000	ug/m3	73.7	No
	C9-C10 Aromatic Hydrocarbons		ND	53000	ND	53000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	76000	ND	76000	ug/m3	--	--
KAFB-106117-350									
ASTM D2504	Carbon dioxide	11/29/2012	1.6	0.1	2	0.1	%V/V	22.2	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		81	0.1	80	0.1	%V/V	1.2	Yes
	Oxygen		19	0.1	18	0.1	%V/V	5.4	Yes
EPA TO15	1,1,1-Trichloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	800	ND	800	ppbv	--	--
	1,1,2-Trichloroethane		ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethene		ND	800	ND	800	ppbv	--	--

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Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106117-350									
EPA TO15	1,2,4-Trichlorobenzene	11/29/2012	ND	800	ND	800	ppbv	--	--
	1,2,4-Trimethylbenzene		1400	800	1400	800	ppbv	0	Yes
	1,2-Dibromoethane		ND	800	ND	800	ppbv	--	--
	1,2-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,2-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,2-Dichloropropane		ND	800	ND	800	ppbv	--	--
	1,3,5-Trimethylbenzene		810	800	830	800	ppbv	2.4	Yes
	1,3-Butadiene		ND	800	ND	800	ppbv	--	--
	1,3-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,4-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	2-Butanone		1300	800	1400	800	ppbv	7.4	Yes
	2-Hexanone		ND	800	ND	800	ppbv	--	--
	4-Methyl-2-pentanone		ND	800	ND	800	ppbv	--	--
	Acetone		4100	800	3700	800	ppbv	10.3	Yes
	Benzene		9700	800	9400	800	ppbv	3.1	Yes
	Benzyl chloride		ND	800	ND	800	ppbv	--	--
	Bromodichloromethane		ND	800	ND	800	ppbv	--	--
	Bromoform		ND	800	ND	800	ppbv	--	--
	Bromomethane		ND	800	ND	800	ppbv	--	--
	Carbon disulfide		ND	800	ND	800	ppbv	--	--
	Carbon tetrachloride		ND	800	ND	800	ppbv	--	--
	Chlorobenzene		ND	800	ND	800	ppbv	--	--
	Chlorodibromomethane		ND	800	ND	800	ppbv	--	--
	Chloroethane		ND	800	ND	800	ppbv	--	--
	Chloroform		ND	800	ND	800	ppbv	--	--
	Chloromethane		ND	800	ND	800	ppbv	--	--
	cis-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	cis-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Cyclohexane		29000	1600	32000	1600	ppbv	9.8	Yes
	Dichlorodifluoromethane		ND	800	ND	800	ppbv	--	--
	Ethyl acetate		ND	800	ND	800	ppbv	--	--
	Ethylbenzene		5300	1600	6200	1600	ppbv	15.7	Yes
	Heptane		22000	800	25000	800	ppbv	12.8	Yes
	Hexachlorobutadiene		ND	1600	ND	1600	ppbv	--	--
	m,p-Xylene		16000	1600	18000	1600	ppbv	11.8	Yes
	Methylene chloride		7200	4000	2100 J	4000	ppbv	--	--
	Naphthalene		ND	800	ND	800	ppbv	--	--

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Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106117-350									
EPA TO15	n-Hexane	11/29/2012	18000	1600	20000	1600	ppbv	10.5	Yes
	o-Xylene		6100	800	6800	800	ppbv	10.9	Yes
	Propylene		ND	800	ND	800	ppbv	--	--
	Styrene		ND	800	ND	800	ppbv	--	--
	tert-Butyl Methyl Ether		ND	800	ND	800	ppbv	--	--
	Tetrachloroethene		ND	800	ND	800	ppbv	--	--
	Tetrahydrofuran		ND	800	ND	800	ppbv	--	--
	Toluene		29000	800	32000	800	ppbv	9.8	Yes
	trans-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	trans-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Trichloroethene		ND	800	ND	800	ppbv	--	--
	Trichlorofluoromethane		ND	800	ND	800	ppbv	--	--
	Vinyl acetate		ND	800	ND	800	ppbv	--	--
	Vinyl chloride		ND	800	ND	800	ppbv	--	--
	Xylenes, Total		22000	2400	25000	2400	ppbv	12.8	Yes
MA APH	C5-C8 Aliphatic Hydrocarbons		11000000	2300000	12000000	2300000	ug/m3	8.7	Yes
	C9-C10 Aromatic Hydrocarbons		ND	2700000	ND	2700000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		1600000 J	3800000	1100000 J	3800000	ug/m3	--	--
KAFB-106119-350									
ASTM D2504	Carbon dioxide	12/12/2012	0.085 J	0.1	0.54	0.1	%V/V	--	--
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		82	0.1	83	0.1	%V/V	1.2	Yes
	Oxygen		22	0.1	20	0.1	%V/V	9.5	Yes
EPA TO15	1,1,1-Trichloroethane		ND	1600	ND	1600	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	1600	ND	1600	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	1600	ND	1600	ppbv	--	--
	1,1,2-Trichloroethane		ND	1600	ND	1600	ppbv	--	--
	1,1-Dichloroethane		ND	1600	ND	1600	ppbv	--	--
	1,1-Dichloroethene		ND	1600	ND	1600	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	1600	ND	1600	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	1600	ND	1600	ppbv	--	--
	1,2-Dibromoethane		ND	1600	ND	1600	ppbv	--	--
	1,2-Dichlorobenzene		ND	1600	ND	1600	ppbv	--	--
	1,2-Dichloroethane		ND	1600	ND	1600	ppbv	--	--
	1,2-Dichloropropane		ND	1600	ND	1600	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	1600	ND	1600	ppbv	--	--
	1,3-Butadiene		ND	1600	ND	1600	ppbv	--	--

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Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106119-350									
EPA TO15	1,3-Dichlorobenzene	12/12/2012	ND	1600	ND	1600	ppbv	--	--
	1,4-Dichlorobenzene		ND	1600	ND	1600	ppbv	--	--
	2-Butanone		ND	1600	ND	1600	ppbv	--	--
	2-Hexanone		ND	1600	ND	1600	ppbv	--	--
	4-Methyl-2-pentanone		ND	1600	ND	1600	ppbv	--	--
	Acetone		ND	1600	ND	1600	ppbv	--	--
	Benzene		13000	1600	23000	1600	ppbv	55.6	No
	Benzyl chloride		ND	1600	ND	1600	ppbv	--	--
	Bromodichloromethane		ND	1600	ND	1600	ppbv	--	--
	Bromoform		ND	1600	ND	1600	ppbv	--	--
	Bromomethane		ND	1600	ND	1600	ppbv	--	--
	Carbon disulfide		ND	1600	ND	1600	ppbv	--	--
	Carbon tetrachloride		ND	1600	ND	1600	ppbv	--	--
	Chlorobenzene		ND	1600	ND	1600	ppbv	--	--
	Chlorodibromomethane		ND	1600	ND	1600	ppbv	--	--
	Chloroethane		ND	1600	ND	1600	ppbv	--	--
	Chloroform		ND	1600	ND	1600	ppbv	--	--
	Chloromethane		ND	1600	ND	1600	ppbv	--	--
	cis-1,2-Dichloroethene		ND	1600	ND	1600	ppbv	--	--
	cis-1,3-dichloropropene		ND	1600	ND	1600	ppbv	--	--
	Cyclohexane		7400	3200	17000	3200	ppbv	78.7	No
	Dichlorodifluoromethane		ND	1600	ND	1600	ppbv	--	--
	Ethyl acetate		ND	1600	ND	1600	ppbv	--	--
	Ethylbenzene		ND	3200	ND	3200	ppbv	--	--
	Heptane		4700 U	1600	15000	1600	ppbv	--	--
	Hexachlorobutadiene		ND	3200	ND	3200	ppbv	--	--
	m,p-Xylene		1700 J	3200	3500	3200	ppbv	--	--
	Methylene chloride		ND	8000	ND	8000	ppbv	--	--
	Naphthalene		ND	1600	ND	1600	ppbv	--	--
	n-Hexane		4100	3200	7500	3200	ppbv	58.6	No
	o-Xylene		ND	1600	ND	1600	ppbv	--	--
	Propylene		ND	1600	ND	1600	ppbv	--	--
	Styrene		ND	1600	ND	1600	ppbv	--	--
	tert-Butyl Methyl Ether		ND	1600	ND	1600	ppbv	--	--
	Tetrachloroethene		ND	1600	ND	1600	ppbv	--	--
	Tetrahydrofuran		ND	1600	ND	1600	ppbv	--	--
	Toluene		32000	1600	61000	1600	ppbv	62.4	No

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Field Duplicate Summary
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106119-350									
EPA TO15	trans-1,2-Dichloroethene	12/12/2012	ND	1600	ND	1600	ppbv	--	--
	trans-1,3-dichloropropene		ND	1600	ND	1600	ppbv	--	--
	Trichloroethene		ND	1600	ND	1600	ppbv	--	--
	Trichlorofluoromethane		ND	1600	ND	1600	ppbv	--	--
	Vinyl acetate		ND	1600	ND	1600	ppbv	--	--
	Vinyl chloride		ND	1600	ND	1600	ppbv	--	--
	Xylenes, Total		1700 J	4800	3500 J	4800	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		570000	190000	900000	190000	ug/m3	44.9	Yes
	C9-C10 Aromatic Hydrocarbons		ND	210000	ND	210000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	300000	ND	300000	ug/m3	--	--
KAFB-106121-145									
ASTM D2504	Carbon dioxide	11/28/2012	0.052 J	0.1	0.25	0.1	%V/V	--	--
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		79	0.1	80	0.1	%V/V	1.3	Yes
	Oxygen		21	0.1	20	0.1	%V/V	4.9	Yes
EPA TO15	1,1,1-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dibromoethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichloropropane		ND	40	ND	40	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	40	ND	40	ppbv	--	--
	1,3-Butadiene		ND	40	ND	40	ppbv	--	--
	1,3-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,4-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	2-Butanone		ND	40	ND	40	ppbv	--	--
	2-Hexanone		ND	40	ND	40	ppbv	--	--
	4-Methyl-2-pentanone		ND	40	ND	40	ppbv	--	--
	Acetone		ND	40	ND	40	ppbv	--	--
	Benzene		100	40	96	40	ppbv	4.1	Yes
	Benzyl chloride		ND	40	ND	40	ppbv	--	--

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Field Duplicate Summary
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106121-145									
EPA TO15	Bromodichloromethane	11/28/2012	ND	40	ND	40	ppbv	--	--
	Bromoform		ND	40	ND	40	ppbv	--	--
	Bromomethane		ND	40	ND	40	ppbv	--	--
	Carbon disulfide		ND	40	ND	40	ppbv	--	--
	Carbon tetrachloride		ND	40	ND	40	ppbv	--	--
	Chlorobenzene		ND	40	ND	40	ppbv	--	--
	Chlorodibromomethane		ND	40	ND	40	ppbv	--	--
	Chloroethane		ND	40	ND	40	ppbv	--	--
	Chloroform		ND	40	ND	40	ppbv	--	--
	Chloromethane		ND	40	ND	40	ppbv	--	--
	cis-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	cis-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Cyclohexane		120	80	120	80	ppbv	0	Yes
	Dichlorodifluoromethane		ND	40	ND	40	ppbv	--	--
	Ethyl acetate		ND	40	ND	40	ppbv	--	--
	Ethylbenzene		ND	80	ND	80	ppbv	--	--
	Heptane		ND	40	ND	40	ppbv	--	--
	Hexachlorobutadiene		ND	80	ND	80	ppbv	--	--
	m,p-Xylene		ND	80	ND	80	ppbv	--	--
	Methylene chloride		ND	200	160 J	200	ppbv	--	--
	Naphthalene		ND	40	ND	40	ppbv	--	--
	n-Hexane		60 J	80	71 J	80	ppbv	--	--
	o-Xylene		ND	40	ND	40	ppbv	--	--
	Propylene		ND	40	ND	40	ppbv	--	--
	Styrene		ND	40	ND	40	ppbv	--	--
	tert-Butyl Methyl Ether		ND	40	ND	40	ppbv	--	--
	Tetrachloroethene		ND	40	ND	40	ppbv	--	--
	Tetrahydrofuran		ND	40	ND	40	ppbv	--	--
	Toluene		310	40	300	40	ppbv	3.3	Yes
	trans-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	trans-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Trichloroethene		ND	40	ND	40	ppbv	--	--
	Trichlorofluoromethane		ND	40	ND	40	ppbv	--	--
	Vinyl acetate		ND	40	ND	40	ppbv	--	--
	Vinyl chloride		ND	40	ND	40	ppbv	--	--
	Xylenes, Total		ND	120	ND	120	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		13000	4700	12000	4700	ug/m3	8	Yes

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106121-145									
MA APH	C9-C10 Aromatic Hydrocarbons	11/28/2012	ND	5300	ND	5300	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	7600	ND	7600	ug/m3	--	--
KAFB-106122-350									
ASTM D2504	Carbon dioxide	11/28/2012	0.2	0.1	0.34	0.1	%V/V	51.9	No
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		78	0.1	79	0.1	%V/V	1.3	Yes
	Oxygen		20	0.1	19	0.1	%V/V	5.1	Yes
EPA TO15	1,1,1-Trichloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	800	ND	800	ppbv	--	--
	1,1,2-Trichloroethane		ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethene		ND	800	ND	800	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	800	ND	800	ppbv	--	--
	1,2-Dibromoethane		ND	800	ND	800	ppbv	--	--
	1,2-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,2-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,2-Dichloropropane		ND	800	ND	800	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	800	ND	800	ppbv	--	--
	1,3-Butadiene		ND	800	ND	800	ppbv	--	--
	1,3-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,4-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	2-Butanone		ND	800	ND	800	ppbv	--	--
	2-Hexanone		ND	800	ND	800	ppbv	--	--
	4-Methyl-2-pentanone		ND	800	ND	800	ppbv	--	--
	Acetone		ND	800	ND	800	ppbv	--	--
	Benzene		850	800	1100	800	ppbv	25.6	Yes
	Benzyl chloride		ND	800	ND	800	ppbv	--	--
	Bromodichloromethane		ND	800	ND	800	ppbv	--	--
	Bromoform		ND	800	ND	800	ppbv	--	--
	Bromomethane		ND	800	ND	800	ppbv	--	--
	Carbon disulfide		ND	800	ND	800	ppbv	--	--
	Carbon tetrachloride		ND	800	ND	800	ppbv	--	--
	Chlorobenzene		ND	800	ND	800	ppbv	--	--
	Chlorodibromomethane		ND	800	ND	800	ppbv	--	--
	Chloroethane		ND	800	ND	800	ppbv	--	--

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Field Duplicate Summary
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106122-350									
EPA TO15	Chloroform	11/28/2012	ND	800	ND	800	ppbv	--	--
	Chloromethane		ND	800	ND	800	ppbv	--	--
	cis-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	cis-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Cyclohexane		3200	1600	4500	1600	ppbv	33.8	Yes
	Dichlorodifluoromethane		ND	800	ND	800	ppbv	--	--
	Ethyl acetate		ND	800	ND	800	ppbv	--	--
	Ethylbenzene		ND	1600	ND	1600	ppbv	--	--
	Heptane		ND	800	ND	800	ppbv	--	--
	Hexachlorobutadiene		ND	1600	ND	1600	ppbv	--	--
	m,p-Xylene		ND	1600	ND	1600	ppbv	--	--
	Methylene chloride		ND	4000	ND	4000	ppbv	--	--
	Naphthalene		ND	800	ND	800	ppbv	--	--
	n-Hexane		2200	1600	3100	1600	ppbv	34	Yes
	o-Xylene		ND	800	ND	800	ppbv	--	--
	Propylene		ND	800	ND	800	ppbv	--	--
	Styrene		ND	800	ND	800	ppbv	--	--
	tert-Butyl Methyl Ether		ND	800	ND	800	ppbv	--	--
	Tetrachloroethene		ND	800	ND	800	ppbv	--	--
	Tetrahydrofuran		ND	800	ND	800	ppbv	--	--
	Toluene		ND	800	ND	800	ppbv	--	--
	trans-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	trans-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Trichloroethene		ND	800	ND	800	ppbv	--	--
	Trichlorofluoromethane		ND	800	ND	800	ppbv	--	--
	Vinyl acetate		ND	800	ND	800	ppbv	--	--
	Vinyl chloride		ND	800	ND	800	ppbv	--	--
	Xylenes, Total		ND	2400	ND	2400	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		2400000	940000	4000000	940000	ug/m3	50	Yes
	C9-C10 Aromatic Hydrocarbons		ND	1100000	ND	1100000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	1500000	ND	1500000	ug/m3	--	--
KAFB-106124-050									
ASTM D2504	Carbon dioxide	12/3/2012	1	0.1	0.24	0.1	%V/V	122.6	No
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		82	0.1	82	0.1	%V/V	0	Yes
	Oxygen		21	0.1	22	0.1	%V/V	4.7	Yes
EPA TO15	1,1,1-Trichloroethane		ND	40	ND	40	ppbv	--	--

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Field Duplicate Summary
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106124-050									
EPA TO15	1,1,2,2-Tetrachloroethane	12/3/2012	ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dibromoethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichloropropane		ND	40	ND	40	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	40	ND	40	ppbv	--	--
	1,3-Butadiene		ND	40	ND	40	ppbv	--	--
	1,3-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,4-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	2-Butanone		ND	40	ND	40	ppbv	--	--
	2-Hexanone		ND	40	ND	40	ppbv	--	--
	4-Methyl-2-pentanone		ND	40	ND	40	ppbv	--	--
	Acetone		ND	40	ND	40	ppbv	--	--
	Benzene		450	40	820	40	ppbv	58.3	No
	Benzyl chloride		ND	40	ND	40	ppbv	--	--
	Bromodichloromethane		ND	40	52	40	ppbv	--	--
	Bromoform		ND	40	ND	40	ppbv	--	--
	Bromomethane		ND	40	ND	40	ppbv	--	--
	Carbon disulfide		ND	40	ND	40	ppbv	--	--
	Carbon tetrachloride		ND	40	ND	40	ppbv	--	--
	Chlorobenzene		ND	40	ND	40	ppbv	--	--
	Chlorodibromomethane		ND	40	ND	40	ppbv	--	--
	Chloroethane		ND	40	ND	40	ppbv	--	--
	Chloroform		410	40	580	40	ppbv	34.3	Yes
	Chloromethane		ND	40	ND	40	ppbv	--	--
	cis-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	cis-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Cyclohexane		540	80	930	80	ppbv	53.1	No
	Dichlorodifluoromethane		ND	40	ND	40	ppbv	--	--
	Ethyl acetate		ND	40	ND	40	ppbv	--	--
	Ethylbenzene		57 J	80	110	80	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106124-050									
EPA TO15	Heptane	12/3/2012	210 U	40	350	40	ppbv	--	--
	Hexachlorobutadiene		ND	80	ND	80	ppbv	--	--
	m,p-Xylene		92	80	180	80	ppbv	64.7	No
	Methylene chloride		ND	200	ND	200	ppbv	--	--
	Naphthalene		ND	40	ND	40	ppbv	--	--
	n-Hexane		490	80	890	80	ppbv	58	No
	o-Xylene		ND	40	60	40	ppbv	--	--
	Propylene		ND	40	ND	40	ppbv	--	--
	Styrene		ND	40	ND	40	ppbv	--	--
	tert-Butyl Methyl Ether		ND	40	ND	40	ppbv	--	--
	Tetrachloroethene		ND	40	ND	40	ppbv	--	--
	Tetrahydrofuran		ND	40	ND	40	ppbv	--	--
	Toluene		1100	40	1800	40	ppbv	48.3	Yes
	trans-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	trans-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Trichloroethene		ND	40	ND	40	ppbv	--	--
	Trichlorofluoromethane		ND	40	ND	40	ppbv	--	--
	Vinyl acetate		ND	40	ND	40	ppbv	--	--
	Vinyl chloride		ND	40	ND	40	ppbv	--	--
	Xylenes, Total		92 J	120	240	120	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		490000 J-	94000	280000 J-	94000	ug/m3	54.5	No
	C9-C10 Aromatic Hydrocarbons		ND	110000	ND	110000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	150000	ND	150000	ug/m3	--	--
KAFB-106126-050									
ASTM D2504	Carbon dioxide	11/20/2012	0.63	0.1	0.77	0.1	%V/V	20	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		80	0.1	81	0.1	%V/V	1.2	Yes
	Oxygen		21	0.1	20	0.1	%V/V	4.9	Yes
EPA TO15	1,1,1-Trichloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	800	ND	800	ppbv	--	--
	1,1,2-Trichloroethane		ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethene		ND	800	ND	800	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	800	ND	800	ppbv	--	--
	1,2-Dibromoethane		ND	800	ND	800	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106126-050									
EPA TO15	1,2-Dichlorobenzene	11/20/2012	ND	800	ND	800	ppbv	--	--
	1,2-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,2-Dichloropropane		ND	800	ND	800	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	800	ND	800	ppbv	--	--
	1,3-Butadiene		ND	800	ND	800	ppbv	--	--
	1,3-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,4-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	2-Butanone		ND	800	ND	800	ppbv	--	--
	2-Hexanone		ND	800	ND	800	ppbv	--	--
	4-Methyl-2-pentanone		ND	800	ND	800	ppbv	--	--
	Acetone		1200	800	ND	800	ppbv	--	--
	Benzene		1800	800	2200	800	ppbv	20	Yes
	Benzyl chloride		ND	800	ND	800	ppbv	--	--
	Bromodichloromethane		ND	800	ND	800	ppbv	--	--
	Bromoform		ND	800	ND	800	ppbv	--	--
	Bromomethane		ND	800	ND	800	ppbv	--	--
	Carbon disulfide		ND	800	ND	800	ppbv	--	--
	Carbon tetrachloride		ND	800	ND	800	ppbv	--	--
	Chlorobenzene		ND	800	ND	800	ppbv	--	--
	Chlorodibromomethane		ND	800	ND	800	ppbv	--	--
	Chloroethane		ND	800	ND	800	ppbv	--	--
	Chloroform		ND	800	ND	800	ppbv	--	--
	Chloromethane		ND	800	ND	800	ppbv	--	--
	cis-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	cis-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Cyclohexane		3700	1600	4700	1600	ppbv	23.8	Yes
	Dichlorodifluoromethane		ND	800	ND	800	ppbv	--	--
	Ethyl acetate		ND	800	ND	800	ppbv	--	--
	Ethylbenzene		ND	1600	ND	1600	ppbv	--	--
	Heptane		4800	800	6100	800	ppbv	23.9	Yes
	Hexachlorobutadiene		ND	1600	ND	1600	ppbv	--	--
	m,p-Xylene		1300 J	1600	1700	1600	ppbv	--	--
	Methylene chloride		2300 J	4000	ND	4000	ppbv	--	--
	Naphthalene		ND	800	ND	800	ppbv	--	--
	n-Hexane		3300	1600	3800	1600	ppbv	14.1	Yes
	o-Xylene		ND	800	ND	800	ppbv	--	--
	Propylene		ND	800	ND	800	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106126-050									
EPA TO15	Styrene	11/20/2012	ND	800	ND	800	ppbv	--	--
	tert-Butyl Methyl Ether		ND	800	ND	800	ppbv	--	--
	Tetrachloroethene		ND	800	ND	800	ppbv	--	--
	Tetrahydrofuran		ND	800	ND	800	ppbv	--	--
	Toluene		6000	800	7600	800	ppbv	23.5	Yes
	trans-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	trans-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Trichloroethene		ND	800	ND	800	ppbv	--	--
	Trichlorofluoromethane		ND	800	ND	800	ppbv	--	--
	Vinyl acetate		ND	800	ND	800	ppbv	--	--
	Vinyl chloride		ND	800	ND	800	ppbv	--	--
	Xylenes, Total		1300 J	2400	1700 J	2400	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		450000	94000	590000	94000	ug/m3	26.9	Yes
	C9-C10 Aromatic Hydrocarbons		ND	110000	ND	110000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		53000 J	150000	82000 J	150000	ug/m3	--	--
KAFB-106128-250									
ASTM D2504	Carbon dioxide	12/5/2012	1.7	0.1	1.7	0.1	%V/V	0	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		79	0.1	79	0.1	%V/V	0	Yes
	Oxygen		19	0.1	19	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dibromoethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichloropropane		ND	40	ND	40	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	40	ND	40	ppbv	--	--
	1,3-Butadiene		ND	40	ND	40	ppbv	--	--
	1,3-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,4-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	2-Butanone		ND	40	ND	40	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106128-250									
EPA TO15	2-Hexanone	12/5/2012	ND	40	ND	40	ppbv	--	--
	4-Methyl-2-pentanone		ND	40	ND	40	ppbv	--	--
	Acetone		ND	40	ND	40	ppbv	--	--
	Benzene		130	40	160	40	ppbv	20.7	Yes
	Benzyl chloride		ND	40	ND	40	ppbv	--	--
	Bromodichloromethane		ND	40	ND	40	ppbv	--	--
	Bromoform		ND	40	ND	40	ppbv	--	--
	Bromomethane		ND	40	ND	40	ppbv	--	--
	Carbon disulfide		ND	40	ND	40	ppbv	--	--
	Carbon tetrachloride		48	40	47	40	ppbv	2.1	Yes
	Chlorobenzene		ND	40	ND	40	ppbv	--	--
	Chlorodibromomethane		ND	40	ND	40	ppbv	--	--
	Chloroethane		ND	40	ND	40	ppbv	--	--
	Chloroform		ND	40	ND	40	ppbv	--	--
	Chloromethane		ND	40	ND	40	ppbv	--	--
	cis-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	cis-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Cyclohexane		250	80	310	80	ppbv	21.4	Yes
	Dichlorodifluoromethane		ND	40	ND	40	ppbv	--	--
	Ethyl acetate		ND	40	ND	40	ppbv	--	--
	Ethylbenzene		46 J	80	52 J	80	ppbv	--	--
	Heptane		170	40	200	40	ppbv	16.2	Yes
	Hexachlorobutadiene		ND	80	ND	80	ppbv	--	--
	m,p-Xylene		120	80	140	80	ppbv	15.4	Yes
	Methylene chloride		ND	200	ND	200	ppbv	--	--
	Naphthalene		ND	40	ND	40	ppbv	--	--
	n-Hexane		170	80	190	80	ppbv	11.1	Yes
	o-Xylene		ND	40	ND	40	ppbv	--	--
	Propylene		ND	40	ND	40	ppbv	--	--
	Styrene		ND	40	ND	40	ppbv	--	--
	tert-Butyl Methyl Ether		ND	40	ND	40	ppbv	--	--
	Tetrachloroethene		ND	40	ND	40	ppbv	--	--
	Tetrahydrofuran		ND	40	ND	40	ppbv	--	--
	Toluene		650	40	760	40	ppbv	15.6	Yes
	trans-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	trans-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Trichloroethene		ND	40	ND	40	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106128-250									
EPA TO15	Trichlorofluoromethane	12/5/2012	ND	40	ND	40	ppbv	--	--
	Vinyl acetate		ND	40	ND	40	ppbv	--	--
	Vinyl chloride		ND	40	ND	40	ppbv	--	--
	Xylenes, Total		120	120	140	120	ppbv	15.4	Yes
MA APH	C5-C8 Aliphatic Hydrocarbons		34000	4700	39000	4700	ug/m3	13.7	Yes
	C9-C10 Aromatic Hydrocarbons		ND	5300	ND	5300	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	7600	1200 J	7600	ug/m3	--	--
KAFB-106130-050									
ASTM D2504	Carbon dioxide	12/17/2012	0.051 J	0.1	0.045 J	0.1	%V/V	--	--
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		83	0.1	83	0.1	%V/V	0	Yes
	Oxygen		23	0.1	23	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloroethane		ND	400	ND	400	ppbv	--	--
	1,1-Dichloroethane		ND	400	ND	400	ppbv	--	--
	1,1-Dichloroethene		ND	400	ND	400	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	400	ND	400	ppbv	--	--
	1,2-Dibromoethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,2-Dichloroethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichloropropane		ND	400	ND	400	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	400	ND	400	ppbv	--	--
	1,3-Butadiene		ND	400	ND	400	ppbv	--	--
	1,3-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,4-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	2-Butanone		ND	400	ND	400	ppbv	--	--
	2-Hexanone		ND	400	ND	400	ppbv	--	--
	4-Methyl-2-pentanone		ND	400	ND	400	ppbv	--	--
	Acetone		2300	400	2500	400	ppbv	8.3	Yes
	Benzene		1200	400	1500	400	ppbv	22.2	Yes
	Benzyl chloride		ND	400	ND	400	ppbv	--	--
	Bromodichloromethane		ND	400	ND	400	ppbv	--	--
	Bromoform		ND	400	ND	400	ppbv	--	--
	Bromomethane		ND	400	ND	400	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106130-050									
EPA TO15	Carbon disulfide	12/17/2012	ND	400	ND	400	ppbv	--	--
	Carbon tetrachloride		ND	400	ND	400	ppbv	--	--
	Chlorobenzene		ND	400	ND	400	ppbv	--	--
	Chlorodibromomethane		ND	400	ND	400	ppbv	--	--
	Chloroethane		ND	400	ND	400	ppbv	--	--
	Chloroform		ND	400	ND	400	ppbv	--	--
	Chloromethane		ND	400	ND	400	ppbv	--	--
	cis-1,2-Dichloroethene		ND	400	ND	400	ppbv	--	--
	cis-1,3-dichloropropene		ND	400	ND	400	ppbv	--	--
	Cyclohexane		910	800	1300	800	ppbv	35.3	Yes
	Dichlorodifluoromethane		ND	400	ND	400	ppbv	--	--
	Ethyl acetate		ND	400	ND	400	ppbv	--	--
	Ethylbenzene		ND	800	ND	800	ppbv	--	--
	Heptane		980	400	1300	400	ppbv	28.1	Yes
	Hexachlorobutadiene		ND	800	ND	800	ppbv	--	--
	m,p-Xylene		460 J	800	530 J	800	ppbv	--	--
	Methylene chloride		2600	2000	4500	2000	ppbv	53.5	No
	Naphthalene		ND	400	ND	400	ppbv	--	--
	n-Hexane		980	800	1700	800	ppbv	53.7	No
	o-Xylene		ND	400	ND	400	ppbv	--	--
	Propylene		ND	400	ND	400	ppbv	--	--
	Styrene		ND	400	ND	400	ppbv	--	--
	tert-Butyl Methyl Ether		ND	400	ND	400	ppbv	--	--
	Tetrachloroethene		ND	400	ND	400	ppbv	--	--
	Tetrahydrofuran		ND	400	ND	400	ppbv	--	--
	Toluene		4800	400	5600	400	ppbv	15.4	Yes
	trans-1,2-Dichloroethene		ND	400	ND	400	ppbv	--	--
	trans-1,3-dichloropropene		ND	400	ND	400	ppbv	--	--
	Trichloroethene		ND	400	ND	400	ppbv	--	--
	Trichlorofluoromethane		ND	400	ND	400	ppbv	--	--
	Vinyl acetate		ND	400	ND	400	ppbv	--	--
	Vinyl chloride		ND	400	ND	400	ppbv	--	--
	Xylenes, Total		460 J	1200	530 J	1200	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		130000	47000	150000	47000	ug/m3	14.3	Yes
	C9-C10 Aromatic Hydrocarbons		ND	53000	ND	53000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		19000 J	76000	ND	76000	ug/m3	--	--
KAFB-106132-050									
ASTM D2504	Carbon dioxide	12/5/2012	1.2	0.1	1.1	0.1	%V/V	8.7	Yes

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106132-050									
ASTM D2504	Carbon Monoxide	12/5/2012	ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		80	0.1	84	0.1	%V/V	4.9	Yes
	Oxygen		19	0.1	20	0.1	%V/V	5.1	Yes
EPA TO15	1,1,1-Trichloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloroethane		ND	400	ND	400	ppbv	--	--
	1,1-Dichloroethane		ND	400	ND	400	ppbv	--	--
	1,1-Dichloroethene		ND	400	ND	400	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	400	ND	400	ppbv	--	--
	1,2-Dibromoethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,2-Dichloroethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichloropropane		ND	400	ND	400	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	400	ND	400	ppbv	--	--
	1,3-Butadiene		ND	400	ND	400	ppbv	--	--
	1,3-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,4-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	2-Butanone		ND	400	ND	400	ppbv	--	--
	2-Hexanone		ND	400	ND	400	ppbv	--	--
	4-Methyl-2-pentanone		ND	400	ND	400	ppbv	--	--
	Acetone		1900	400	2000	400	ppbv	5.1	Yes
	Benzene		16000	400	17000	400	ppbv	6.1	Yes
	Benzyl chloride		ND	400	ND	400	ppbv	--	--
	Bromodichloromethane		ND	400	ND	400	ppbv	--	--
	Bromoform		ND	400	ND	400	ppbv	--	--
	Bromomethane		ND	400	ND	400	ppbv	--	--
	Carbon disulfide		ND	400	ND	400	ppbv	--	--
	Carbon tetrachloride		ND	400	ND	400	ppbv	--	--
	Chlorobenzene		ND	400	ND	400	ppbv	--	--
	Chlorodibromomethane		ND	400	ND	400	ppbv	--	--
	Chloroethane		ND	400	ND	400	ppbv	--	--
	Chloroform		ND	400	ND	400	ppbv	--	--
	Chloromethane		ND	400	ND	400	ppbv	--	--
	cis-1,2-Dichloroethene		ND	400	ND	400	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106132-050									
EPA TO15	cis-1,3-dichloropropene	12/5/2012	ND	400	ND	400	ppbv	--	--
	Cyclohexane		16000 J-	1600	25000 J-	1600	ppbv	43.9	Yes
	Dichlorodifluoromethane		ND	400	ND	400	ppbv	--	--
	Ethyl acetate		ND	400	ND	400	ppbv	--	--
	Ethylbenzene		940	800	560 J	800	ppbv	--	--
	Heptane		19000 J-	800	28000 J-	800	ppbv	38.3	Yes
	Hexachlorobutadiene		ND	800	ND	800	ppbv	--	--
	m,p-Xylene		3400	800	2500	800	ppbv	30.5	Yes
	Methylene chloride		8100	2000	11000	2000	ppbv	30.4	Yes
	Naphthalene		ND	400	ND	400	ppbv	--	--
	n-Hexane		13000 J-	1600	20000 J-	1600	ppbv	42.4	Yes
	o-Xylene		790	400	480	400	ppbv	48.8	Yes
	Propylene		ND	400	ND	400	ppbv	--	--
	Styrene		ND	400	ND	400	ppbv	--	--
	tert-Butyl Methyl Ether		ND	400	ND	400	ppbv	--	--
	Tetrachloroethene		ND	400	ND	400	ppbv	--	--
	Tetrahydrofuran		ND	400	ND	400	ppbv	--	--
	Toluene		26000 J-	800	37000 J-	800	ppbv	34.9	Yes
	trans-1,2-Dichloroethene		ND	400	ND	400	ppbv	--	--
	trans-1,3-dichloropropene		ND	400	ND	400	ppbv	--	--
	Trichloroethene		ND	400	ND	400	ppbv	--	--
	Trichlorofluoromethane		ND	400	ND	400	ppbv	--	--
	Vinyl acetate		ND	400	ND	400	ppbv	--	--
	Vinyl chloride		ND	400	ND	400	ppbv	--	--
	Xylenes, Total		4200	1200	3000	1200	ppbv	33.3	Yes
MA APH	C5-C8 Aliphatic Hydrocarbons		810000	94000	850000	94000	ug/m3	4.8	Yes
	C9-C10 Aromatic Hydrocarbons		ND	110000	ND	110000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	150000	35000 J	150000	ug/m3	--	--
KAFB-106134-025									
ASTM D2504	Carbon dioxide	12/10/2012	0.047 J	0.1	0.17	0.1	%V/V	--	--
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		83	0.1	82	0.1	%V/V	1.2	Yes
	Oxygen		23	0.1	22	0.1	%V/V	4.4	Yes
EPA TO15	1,1,1-Trichloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloroethane		ND	400	ND	400	ppbv	--	--

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Field Duplicate Summary
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106134-025									
EPA TO15	1,1-Dichloroethane	12/10/2012	ND	400	ND	400	ppbv	--	--
	1,1-Dichloroethene		ND	400	ND	400	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	400	ND	400	ppbv	--	--
	1,2-Dibromoethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,2-Dichloroethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichloropropane		ND	400	ND	400	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	400	ND	400	ppbv	--	--
	1,3-Butadiene		ND	400	ND	400	ppbv	--	--
	1,3-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,4-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	2-Butanone		1600	400	ND	400	ppbv	--	--
	2-Hexanone		ND	400	ND	400	ppbv	--	--
	4-Methyl-2-pentanone		ND	400	ND	400	ppbv	--	--
	Acetone		11000	400	2700 U	400	ppbv	--	--
	Benzene		1100	400	470 U	400	ppbv	--	--
	Benzyl chloride		ND	400	ND	400	ppbv	--	--
	Bromodichloromethane		ND	400	ND	400	ppbv	--	--
	Bromoform		ND	400	ND	400	ppbv	--	--
	Bromomethane		ND	400	ND	400	ppbv	--	--
	Carbon disulfide		ND	400	ND	400	ppbv	--	--
	Carbon tetrachloride		ND	400	ND	400	ppbv	--	--
	Chlorobenzene		ND	400	ND	400	ppbv	--	--
	Chlorodibromomethane		ND	400	ND	400	ppbv	--	--
	Chloroethane		ND	400	ND	400	ppbv	--	--
	Chloroform		ND	400	ND	400	ppbv	--	--
	Chloromethane		ND	400	ND	400	ppbv	--	--
	cis-1,2-Dichloroethene		ND	400	ND	400	ppbv	--	--
	cis-1,3-dichloropropene		ND	400	ND	400	ppbv	--	--
	Cyclohexane		4200 U	800	1000 U	800	ppbv	--	--
	Dichlorodifluoromethane		ND	400	ND	400	ppbv	--	--
	Ethyl acetate		ND	400	ND	400	ppbv	--	--
	Ethylbenzene		ND	800	ND	800	ppbv	--	--
	Heptane		6100	400	1100 U	400	ppbv	--	--
	Hexachlorobutadiene		ND	800	ND	800	ppbv	--	--
	m,p-Xylene		ND	800	ND	800	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106134-025									
EPA TO15	Methylene chloride	12/10/2012	2400	2000	2300	2000	ppbv	4.3	Yes
	Naphthalene		ND	400	ND	400	ppbv	--	--
	n-Hexane		1900	800	ND	800	ppbv	--	--
	o-Xylene		ND	400	ND	400	ppbv	--	--
	Propylene		ND	400	ND	400	ppbv	--	--
	Styrene		ND	400	ND	400	ppbv	--	--
	tert-Butyl Methyl Ether		ND	400	ND	400	ppbv	--	--
	Tetrachloroethene		ND	400	ND	400	ppbv	--	--
	Tetrahydrofuran		ND	400	ND	400	ppbv	--	--
	Toluene		4200	400	1500 U	400	ppbv	--	--
	trans-1,2-Dichloroethene		ND	400	ND	400	ppbv	--	--
	trans-1,3-dichloropropene		ND	400	ND	400	ppbv	--	--
	Trichloroethene		ND	400	ND	400	ppbv	--	--
	Trichlorofluoromethane		ND	400	ND	400	ppbv	--	--
	Vinyl acetate		ND	400	ND	400	ppbv	--	--
	Vinyl chloride		ND	400	ND	400	ppbv	--	--
	Xylenes, Total		ND	1200	ND	1200	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		120000	47000	110000	47000	ug/m3	8.7	Yes
	C9-C10 Aromatic Hydrocarbons		ND	53000	ND	53000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	76000	ND	76000	ug/m3	--	--
KAFB-106135-250									
ASTM D2504	Carbon dioxide	12/3/2012	0.17	0.1	0.11	0.1	%V/V	42.9	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		83	0.1	82	0.1	%V/V	1.2	Yes
	Oxygen		21	0.1	22	0.1	%V/V	4.7	Yes
EPA TO15	1,1,1-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2,2-Tetrachloroethane		58 J+	40	ND	40	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trimethylbenzene		290 J+	40	350 J+	40	ppbv	18.8	Yes
	1,2-Dibromoethane		57 J+	40	80 J+	40	ppbv	33.6	Yes
	1,2-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichloropropane		ND	40	ND	40	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106135-250									
EPA TO15	1,3,5-Trimethylbenzene	12/3/2012	140 J+	40	180 J+	40	ppbv	25	Yes
	1,3-Butadiene		ND	40	ND	40	ppbv	--	--
	1,3-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,4-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	2-Butanone		78 J+	40	120 J+	40	ppbv	42.4	Yes
	2-Hexanone		54 J+	40	86 J+	40	ppbv	45.7	Yes
	4-Methyl-2-pentanone		ND	40	50 J+	40	ppbv	--	--
	Acetone		47 UJ	40	67 UJ	40	ppbv	--	--
	Benzene		1000 J+	40	1300 J+	40	ppbv	26.1	Yes
	Benzyl chloride		ND	40	ND	40	ppbv	--	--
	Bromodichloromethane		ND	40	ND	40	ppbv	--	--
	Bromoform		ND	40	ND	40	ppbv	--	--
	Bromomethane		ND	40	ND	40	ppbv	--	--
	Carbon disulfide		ND	40	ND	40	ppbv	--	--
	Carbon tetrachloride		ND	40	ND	40	ppbv	--	--
	Chlorobenzene		ND	40	ND	40	ppbv	--	--
	Chlorodibromomethane		ND	40	ND	40	ppbv	--	--
	Chloroethane		ND	40	ND	40	ppbv	--	--
	Chloroform		ND	40	ND	40	ppbv	--	--
	Chloromethane		ND	40	ND	40	ppbv	--	--
	cis-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	cis-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Cyclohexane		7000 J+	800	10000 J+	800	ppbv	35.3	Yes
	Dichlorodifluoromethane		ND	40	ND	40	ppbv	--	--
	Ethyl acetate		ND	40	ND	40	ppbv	--	--
	Ethylbenzene		1100 J+	80	1500 J+	80	ppbv	30.8	Yes
	Heptane		1700 J+	40	12000 J+	400	ppbv	150.4	No
	Hexachlorobutadiene		ND	80	ND	80	ppbv	--	--
	m,p-Xylene		2300 J+	80	3000 J+	80	ppbv	26.4	Yes
	Methylene chloride		ND	200	ND	200	ppbv	--	--
	Naphthalene		ND	40	ND	40	ppbv	--	--
	n-Hexane		1600 J+	80	5300 J+	800	ppbv	107.2	No
	o-Xylene		960 J+	40	1300 J+	40	ppbv	30.1	Yes
	Propylene		ND	40	ND	40	ppbv	--	--
	Styrene		ND	40	ND	40	ppbv	--	--
	tert-Butyl Methyl Ether		ND	40	ND	40	ppbv	--	--
	Tetrachloroethene		ND	40	ND	40	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106135-250									
EPA TO15	Tetrahydrofuran	12/3/2012	ND	40	ND	40	ppbv	--	--
	Toluene		14000 J+	400	18000 J+	400	ppbv	25	Yes
	trans-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	trans-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Trichloroethene		ND	40	ND	40	ppbv	--	--
	Trichlorofluoromethane		ND	40	ND	40	ppbv	--	--
	Vinyl acetate		ND	40	ND	40	ppbv	--	--
	Vinyl chloride		ND	40	ND	40	ppbv	--	--
	Xylenes, Total		3300 J+	120	4200 J+	120	ppbv	24	Yes
MA APH	C5-C8 Aliphatic Hydrocarbons		430000	94000	610000	94000	ug/m3	34.6	Yes
	C9-C10 Aromatic Hydrocarbons		ND	110000	ND	110000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		69000 J	150000	110000 J	150000	ug/m3	--	--
KAFB-106136-350									
ASTM D2504	Carbon dioxide	11/28/2012	0.097 J	0.1	0.097 J	0.1	%V/V	--	--
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		77	0.1	77	0.1	%V/V	0	Yes
	Oxygen		21	0.1	21	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trimethylbenzene		48	40	53	40	ppbv	9.9	Yes
	1,2-Dibromoethane		ND	40	41	40	ppbv	--	--
	1,2-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichloropropane		ND	40	ND	40	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	40	ND	40	ppbv	--	--
	1,3-Butadiene		ND	40	ND	40	ppbv	--	--
	1,3-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,4-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	2-Butanone		92	40	310	40	ppbv	108.5	No
	2-Hexanone		ND	40	56	40	ppbv	--	--
	4-Methyl-2-pentanone		ND	40	ND	40	ppbv	--	--
	Acetone		110	40	260	40	ppbv	81.1	No

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106136-350									
EPA TO15	Benzene	11/28/2012	690	40	1900	40	ppbv	93.4	No
	Benzyl chloride		ND	40	ND	40	ppbv	--	--
	Bromodichloromethane		ND	40	ND	40	ppbv	--	--
	Bromoform		ND	40	ND	40	ppbv	--	--
	Bromomethane		ND	40	ND	40	ppbv	--	--
	Carbon disulfide		ND	40	ND	40	ppbv	--	--
	Carbon tetrachloride		ND	40	ND	40	ppbv	--	--
	Chlorobenzene		ND	40	ND	40	ppbv	--	--
	Chlorodibromomethane		ND	40	ND	40	ppbv	--	--
	Chloroethane		ND	40	ND	40	ppbv	--	--
	Chloroform		ND	40	ND	40	ppbv	--	--
	Chloromethane		ND	40	ND	40	ppbv	--	--
	cis-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	cis-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Cyclohexane		1800	80	8700	800	ppbv	131.4	No
	Dichlorodifluoromethane		ND	40	ND	40	ppbv	--	--
	Ethyl acetate		ND	40	ND	40	ppbv	--	--
	Ethylbenzene		210	80	510	80	ppbv	83.3	No
	Heptane		1300	40	9100	400	ppbv	150	No
	Hexachlorobutadiene		ND	80	ND	80	ppbv	--	--
	m,p-Xylene		570	80	1100	80	ppbv	63.5	No
	Methylene chloride		ND	200	ND	200	ppbv	--	--
	Naphthalene		ND	40	ND	40	ppbv	--	--
	n-Hexane		1200	80	4700	800	ppbv	118.6	No
	o-Xylene		160	40	330	40	ppbv	69.4	No
	Propylene		ND	40	ND	40	ppbv	--	--
	Styrene		ND	40	ND	40	ppbv	--	--
	tert-Butyl Methyl Ether		ND	40	ND	40	ppbv	--	--
	Tetrachloroethene		ND	40	ND	40	ppbv	--	--
	Tetrahydrofuran		ND	40	ND	40	ppbv	--	--
	Toluene		1900	40	12000	400	ppbv	145.3	No
	trans-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	trans-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Trichloroethene		ND	40	ND	40	ppbv	--	--
	Trichlorofluoromethane		ND	40	ND	40	ppbv	--	--
	Vinyl acetate		ND	40	ND	40	ppbv	--	--
	Vinyl chloride		ND	40	ND	40	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106136-350									
EPA TO15	Xylenes, Total	11/28/2012	730	120	1400	120	ppbv	62.9	No
MA APH	C5-C8 Aliphatic Hydrocarbons		190000	47000	560000	94000	ug/m3	98.7	No
	C9-C10 Aromatic Hydrocarbons		ND	53000	ND	110000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	76000	ND	150000	ug/m3	--	--
KAFB-106138-050									
ASTM D2504	Carbon dioxide	12/5/2012	1.2	0.1	1.2	0.1	%V/V	0	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		84	0.1	83	0.1	%V/V	1.2	Yes
	Oxygen		20	0.1	20	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	800	ND	800	ppbv	--	--
	1,1,2-Trichloroethane		ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethene		ND	800	ND	800	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	800	ND	800	ppbv	--	--
	1,2-Dibromoethane		ND	800	ND	800	ppbv	--	--
	1,2-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,2-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,2-Dichloropropane		ND	800	ND	800	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	800	ND	800	ppbv	--	--
	1,3-Butadiene		ND	800	ND	800	ppbv	--	--
	1,3-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,4-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	2-Butanone		ND	800	ND	800	ppbv	--	--
	2-Hexanone		ND	800	ND	800	ppbv	--	--
	4-Methyl-2-pentanone		ND	800	ND	800	ppbv	--	--
	Acetone		ND	800	ND	800	ppbv	--	--
	Benzene		3900	800	5200	800	ppbv	28.6	Yes
	Benzyl chloride		ND	800	ND	800	ppbv	--	--
	Bromodichloromethane		ND	800	ND	800	ppbv	--	--
	Bromoform		ND	800	ND	800	ppbv	--	--
	Bromomethane		ND	800	ND	800	ppbv	--	--
	Carbon disulfide		ND	800	ND	800	ppbv	--	--
	Carbon tetrachloride		ND	800	ND	800	ppbv	--	--
	Chlorobenzene		ND	800	ND	800	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106138-050									
EPA TO15	Chlorodibromomethane	12/5/2012	ND	800	ND	800	ppbv	--	--
	Chloroethane		ND	800	ND	800	ppbv	--	--
	Chloroform		ND	800	ND	800	ppbv	--	--
	Chloromethane		ND	800	ND	800	ppbv	--	--
	cis-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	cis-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Cyclohexane		8600	1600	12000	1600	ppbv	33	Yes
	Dichlorodifluoromethane		ND	800	ND	800	ppbv	--	--
	Ethyl acetate		ND	800	ND	800	ppbv	--	--
	Ethylbenzene		2100	1600	3000	1600	ppbv	35.3	Yes
	Heptane		9500	800	13000	800	ppbv	31.1	Yes
	Hexachlorobutadiene		ND	1600	ND	1600	ppbv	--	--
	m,p-Xylene		5300	1600	7400	1600	ppbv	33.1	Yes
	Methylene chloride		ND	4000	ND	4000	ppbv	--	--
	Naphthalene		ND	800	ND	800	ppbv	--	--
	n-Hexane		4000	1600	5800	1600	ppbv	36.7	Yes
	o-Xylene		1500	800	2100	800	ppbv	33.3	Yes
	Propylene		ND	800	ND	800	ppbv	--	--
	Styrene		ND	800	ND	800	ppbv	--	--
	tert-Butyl Methyl Ether		ND	800	ND	800	ppbv	--	--
	Tetrachloroethene		ND	800	ND	800	ppbv	--	--
	Tetrahydrofuran		ND	800	ND	800	ppbv	--	--
	Toluene		19000	800	25000	800	ppbv	27.3	Yes
	trans-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	trans-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Trichloroethene		ND	800	ND	800	ppbv	--	--
	Trichlorofluoromethane		ND	800	ND	800	ppbv	--	--
	Vinyl acetate		ND	800	ND	800	ppbv	--	--
	Vinyl chloride		ND	800	ND	800	ppbv	--	--
	Xylenes, Total		6800	2400	9600	2400	ppbv	34.1	Yes
MA APH	C5-C8 Aliphatic Hydrocarbons		1700000	940000	1800000	940000	ug/m3	5.7	Yes
	C9-C10 Aromatic Hydrocarbons		ND	1100000	ND	1100000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	1500000	ND	1500000	ug/m3	--	--
KAFB-106139-250									
ASTM D2504	Carbon dioxide	12/10/2012	0.47	0.1	0.45	0.1	%V/V	4.3	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		82	0.1	82	0.1	%V/V	0	Yes

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106139-250									
ASTM D2504	Oxygen	12/10/2012	21	0.1	21	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		170	40	180	40	ppbv	5.7	Yes
	1,1,2-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dibromoethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichloropropane		ND	40	ND	40	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	40	ND	40	ppbv	--	--
	1,3-Butadiene		ND	40	ND	40	ppbv	--	--
	1,3-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,4-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	2-Butanone		ND	40	ND	40	ppbv	--	--
	2-Hexanone		ND	40	ND	40	ppbv	--	--
	4-Methyl-2-pentanone		ND	40	ND	40	ppbv	--	--
	Acetone		ND	40	ND	40	ppbv	--	--
	Benzene		1200	40	1300	40	ppbv	8	Yes
	Benzyl chloride		ND	40	ND	40	ppbv	--	--
	Bromodichloromethane		ND	40	ND	40	ppbv	--	--
	Bromoform		ND	40	ND	40	ppbv	--	--
	Bromomethane		ND	40	ND	40	ppbv	--	--
	Carbon disulfide		ND	40	ND	40	ppbv	--	--
	Carbon tetrachloride		280	40	300	40	ppbv	6.9	Yes
	Chlorobenzene		ND	40	ND	40	ppbv	--	--
	Chlorodibromomethane		ND	40	ND	40	ppbv	--	--
	Chloroethane		ND	40	ND	40	ppbv	--	--
	Chloroform		63	40	65	40	ppbv	3.1	Yes
	Chloromethane		ND	40	ND	40	ppbv	--	--
	cis-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	cis-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Cyclohexane		270 U	80	380 U	80	ppbv	--	--
	Dichlorodifluoromethane		ND	40	ND	40	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106139-250									
EPA TO15	Ethyl acetate	12/10/2012	ND	40	ND	40	ppbv	--	--
	Ethylbenzene		ND	80	ND	80	ppbv	--	--
	Heptane		280 U	40	390 U	40	ppbv	--	--
	Hexachlorobutadiene		ND	80	ND	80	ppbv	--	--
	m,p-Xylene		ND	80	70 J	80	ppbv	--	--
	Methylene chloride		ND	200	ND	200	ppbv	--	--
	Naphthalene		ND	40	ND	40	ppbv	--	--
	n-Hexane		150 U	80	200 U	80	ppbv	--	--
	o-Xylene		ND	40	ND	40	ppbv	--	--
	Propylene		ND	40	ND	40	ppbv	--	--
	Styrene		ND	40	ND	40	ppbv	--	--
	tert-Butyl Methyl Ether		ND	40	ND	40	ppbv	--	--
	Tetrachloroethene		ND	40	ND	40	ppbv	--	--
	Tetrahydrofuran		ND	40	ND	40	ppbv	--	--
	Toluene		1200 U	40	1400 U	40	ppbv	--	--
	trans-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	trans-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Trichloroethene		ND	40	ND	40	ppbv	--	--
	Trichlorofluoromethane		ND	40	ND	40	ppbv	--	--
	Vinyl acetate		ND	40	ND	40	ppbv	--	--
	Vinyl chloride		ND	40	ND	40	ppbv	--	--
	Xylenes, Total		ND	120	70 J	120	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		14000	4700	16000	4700	ug/m3	13.3	Yes
	C9-C10 Aromatic Hydrocarbons		ND	5300	ND	5300	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	7600	ND	7600	ug/m3	--	--
KAFB-106141-170									
ASTM D2504	Carbon dioxide	12/3/2012	0.13	0.1	0.13	0.1	%V/V	0	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		83	0.1	82	0.1	%V/V	1.2	Yes
	Oxygen		22	0.1	22	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	400	ND	400	ppbv	--	--
	1,1,2-Trichloroethane		ND	400	ND	400	ppbv	--	--
	1,1-Dichloroethane		ND	400	ND	400	ppbv	--	--
	1,1-Dichloroethene		ND	400	ND	400	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	400	ND	400	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106141-170									
EPA TO15	1,2,4-Trimethylbenzene	12/3/2012	ND	400	ND	400	ppbv	--	--
	1,2-Dibromoethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,2-Dichloroethane		ND	400	ND	400	ppbv	--	--
	1,2-Dichloropropane		ND	400	ND	400	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	400	ND	400	ppbv	--	--
	1,3-Butadiene		ND	400	ND	400	ppbv	--	--
	1,3-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	1,4-Dichlorobenzene		ND	400	ND	400	ppbv	--	--
	2-Butanone		620	400	ND	400	ppbv	--	--
	2-Hexanone		ND	400	ND	400	ppbv	--	--
	4-Methyl-2-pentanone		ND	400	ND	400	ppbv	--	--
	Acetone		7300	400	5600	400	ppbv	26.4	Yes
	Benzene		4800	400	4900	400	ppbv	2.1	Yes
	Benzyl chloride		ND	400	ND	400	ppbv	--	--
	Bromodichloromethane		ND	400	ND	400	ppbv	--	--
	Bromoform		ND	400	ND	400	ppbv	--	--
	Bromomethane		ND	400	ND	400	ppbv	--	--
	Carbon disulfide		ND	400	ND	400	ppbv	--	--
	Carbon tetrachloride		ND	400	ND	400	ppbv	--	--
	Chlorobenzene		ND	400	ND	400	ppbv	--	--
	Chlorodibromomethane		ND	400	ND	400	ppbv	--	--
	Chloroethane		ND	400	ND	400	ppbv	--	--
	Chloroform		ND	400	ND	400	ppbv	--	--
	Chloromethane		ND	400	ND	400	ppbv	--	--
	cis-1,2-Dichloroethene		ND	400	ND	400	ppbv	--	--
	cis-1,3-dichloropropene		ND	400	ND	400	ppbv	--	--
	Cyclohexane		11000	800	12000	800	ppbv	8.7	Yes
	Dichlorodifluoromethane		ND	400	ND	400	ppbv	--	--
	Ethyl acetate		ND	400	ND	400	ppbv	--	--
	Ethylbenzene		1800	800	2100	800	ppbv	15.4	Yes
	Heptane		9000	400	9600	400	ppbv	6.5	Yes
	Hexachlorobutadiene		ND	800	ND	800	ppbv	--	--
	m,p-Xylene		4200	800	4900	800	ppbv	15.4	Yes
	Methylene chloride		16000	8000	27000	8000	ppbv	51.2	No
	Naphthalene		ND	400	ND	400	ppbv	--	--
	n-Hexane		12000	800	14000	800	ppbv	15.4	Yes

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106141-170									
EPA TO15	o-Xylene	12/3/2012	1300	400	1500	400	ppbv	14.3	Yes
	Propylene		ND	400	ND	400	ppbv	--	--
	Styrene		ND	400	ND	400	ppbv	--	--
	tert-Butyl Methyl Ether		ND	400	ND	400	ppbv	--	--
	Tetrachloroethene		ND	400	ND	400	ppbv	--	--
	Tetrahydrofuran		ND	400	ND	400	ppbv	--	--
	Toluene		16000	400	17000	400	ppbv	6.1	Yes
	trans-1,2-Dichloroethene		ND	400	ND	400	ppbv	--	--
	trans-1,3-dichloropropene		ND	400	ND	400	ppbv	--	--
	Trichloroethene		ND	400	ND	400	ppbv	--	--
	Trichlorofluoromethane		ND	400	ND	400	ppbv	--	--
	Vinyl acetate		ND	400	ND	400	ppbv	--	--
	Vinyl chloride		ND	400	ND	400	ppbv	--	--
	Xylenes, Total		5500	1200	6400	1200	ppbv	15.1	Yes
MA APH	C5-C8 Aliphatic Hydrocarbons		2000000	940000	2100000	940000	ug/m3	4.9	Yes
	C9-C10 Aromatic Hydrocarbons		ND	1100000	ND	1100000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	1500000	ND	1500000	ug/m3	--	--
KAFB-106142-450									
ASTM D2504	Carbon dioxide	12/12/2012	0.077 J	0.1	0.049 J	0.1	%V/V	--	--
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		82	0.1	82	0.1	%V/V	0	Yes
	Oxygen		22	0.1	23	0.1	%V/V	4.4	Yes
EPA TO15	1,1,1-Trichloroethane		ND	1600	ND	1600	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	1600	ND	1600	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	1600	ND	1600	ppbv	--	--
	1,1,2-Trichloroethane		ND	1600	ND	1600	ppbv	--	--
	1,1-Dichloroethane		ND	1600	ND	1600	ppbv	--	--
	1,1-Dichloroethene		ND	1600	ND	1600	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	1600	ND	1600	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	1600	ND	1600	ppbv	--	--
	1,2-Dibromoethane		ND	1600	ND	1600	ppbv	--	--
	1,2-Dichlorobenzene		ND	1600	ND	1600	ppbv	--	--
	1,2-Dichloroethane		ND	1600	ND	1600	ppbv	--	--
	1,2-Dichloropropane		ND	1600	ND	1600	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	1600	ND	1600	ppbv	--	--
	1,3-Butadiene		ND	1600	ND	1600	ppbv	--	--
	1,3-Dichlorobenzene		ND	1600	ND	1600	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106142-450									
EPA TO15	1,4-Dichlorobenzene	12/12/2012	ND	1600	ND	1600	ppbv	--	--
	2-Butanone		ND	1600	ND	1600	ppbv	--	--
	2-Hexanone		ND	1600	ND	1600	ppbv	--	--
	4-Methyl-2-pentanone		ND	1600	ND	1600	ppbv	--	--
	Acetone		ND	1600	ND	1600	ppbv	--	--
	Benzene		15000	1600	11000	1600	ppbv	30.8	Yes
	Benzyl chloride		ND	1600	ND	1600	ppbv	--	--
	Bromodichloromethane		ND	1600	ND	1600	ppbv	--	--
	Bromoform		ND	1600	ND	1600	ppbv	--	--
	Bromomethane		ND	1600	ND	1600	ppbv	--	--
	Carbon disulfide		ND	1600	ND	1600	ppbv	--	--
	Carbon tetrachloride		ND	1600	ND	1600	ppbv	--	--
	Chlorobenzene		ND	1600	ND	1600	ppbv	--	--
	Chlorodibromomethane		ND	1600	ND	1600	ppbv	--	--
	Chloroethane		ND	1600	ND	1600	ppbv	--	--
	Chloroform		ND	1600	ND	1600	ppbv	--	--
	Chloromethane		ND	1600	ND	1600	ppbv	--	--
	cis-1,2-Dichloroethene		ND	1600	ND	1600	ppbv	--	--
	cis-1,3-dichloropropene		ND	1600	ND	1600	ppbv	--	--
	Cyclohexane		12000	3200	16000	3200	ppbv	28.6	Yes
	Dichlorodifluoromethane		ND	1600	ND	1600	ppbv	--	--
	Ethyl acetate		ND	1600	ND	1600	ppbv	--	--
	Ethylbenzene		1600 J	3200	1700 J	3200	ppbv	--	--
	Heptane		20000	1600	25000	1600	ppbv	22.2	Yes
	Hexachlorobutadiene		ND	3200	ND	3200	ppbv	--	--
	m,p-Xylene		4100	3200	4300	3200	ppbv	4.8	Yes
	Methylene chloride		ND	8000	ND	8000	ppbv	--	--
	Naphthalene		ND	1600	ND	1600	ppbv	--	--
	n-Hexane		3300	3200	3600	3200	ppbv	8.7	Yes
	o-Xylene		ND	1600	ND	1600	ppbv	--	--
	Propylene		ND	1600	ND	1600	ppbv	--	--
	Styrene		ND	1600	ND	1600	ppbv	--	--
	tert-Butyl Methyl Ether		ND	1600	ND	1600	ppbv	--	--
	Tetrachloroethene		ND	1600	ND	1600	ppbv	--	--
	Tetrahydrofuran		ND	1600	ND	1600	ppbv	--	--
	Toluene		30000	1600	32000	1600	ppbv	6.5	Yes
	trans-1,2-Dichloroethene		ND	1600	ND	1600	ppbv	--	--

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB-106142-450									
EPA TO15	trans-1,3-dichloropropene	12/12/2012	ND	1600	ND	1600	ppbv	--	--
	Trichloroethene		ND	1600	ND	1600	ppbv	--	--
	Trichlorofluoromethane		ND	1600	ND	1600	ppbv	--	--
	Vinyl acetate		ND	1600	ND	1600	ppbv	--	--
	Vinyl chloride		ND	1600	ND	1600	ppbv	--	--
	Xylenes, Total		4100 J	4800	4300 J	4800	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		820000	190000	990000	190000	ug/m3	18.8	Yes
	C9-C10 Aromatic Hydrocarbons		ND	210000	ND	210000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		45000 J	300000	ND	300000	ug/m3	--	--
KAFB106160-POSTC1									
ASTM D2504	Carbon dioxide	12/19/2012	7.3	0.1	3.4	0.1	%V/V	72.9	No
	Carbon Monoxide		0.4	0.1	0.12	0.1	%V/V	107.7	No
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		87	0.1	82	0.1	%V/V	5.9	Yes
	Oxygen		6.4	0.1	16	0.1	%V/V	85.7	No
EPA TO15	1,1,1-Trichloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	800	ND	800	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	800	ND	800	ppbv	--	--
	1,1,2-Trichloroethane		ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,1-Dichloroethene		ND	800	ND	800	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	800	ND	800	ppbv	--	--
	1,2-Dibromoethane		ND	800	ND	800	ppbv	--	--
	1,2-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,2-Dichloroethane		ND	800	ND	800	ppbv	--	--
	1,2-Dichloropropane		ND	800	ND	800	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	800	ND	800	ppbv	--	--
	1,3-Butadiene		13000	800	9500	800	ppbv	31.1	Yes
	1,3-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	1,4-Dichlorobenzene		ND	800	ND	800	ppbv	--	--
	2-Butanone		1200	800	1100	800	ppbv	8.7	Yes
	2-Hexanone		ND	800	ND	800	ppbv	--	--
	4-Methyl-2-pentanone		ND	800	ND	800	ppbv	--	--
	Acetone		4600	800	3900	800	ppbv	16.5	Yes
	Benzene		25000	800	21000	800	ppbv	17.4	Yes
	Benzyl chloride		ND	800	ND	800	ppbv	--	--
	Bromodichloromethane		ND	800	ND	800	ppbv	--	--

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Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB106160-POSTC1									
EPA TO15	Bromoform	12/19/2012	ND	800	ND	800	ppbv	--	--
	Bromomethane		ND	800	ND	800	ppbv	--	--
	Carbon disulfide		ND	800	ND	800	ppbv	--	--
	Carbon tetrachloride		ND	800	ND	800	ppbv	--	--
	Chlorobenzene		ND	800	ND	800	ppbv	--	--
	Chlorodibromomethane		ND	800	ND	800	ppbv	--	--
	Chloroethane		ND	800	ND	800	ppbv	--	--
	Chloroform		ND	800	ND	800	ppbv	--	--
	Chloromethane		ND	800	ND	800	ppbv	--	--
	cis-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	cis-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Cyclohexane		14000	1600	13000	1600	ppbv	7.4	Yes
	Dichlorodifluoromethane		ND	800	ND	800	ppbv	--	--
	Ethyl acetate		ND	800	ND	800	ppbv	--	--
	Ethylbenzene		2500	1600	2400	1600	ppbv	4.1	Yes
	Heptane		15000	800	12000	800	ppbv	22.2	Yes
	Hexachlorobutadiene		ND	1600	ND	1600	ppbv	--	--
	m,p-Xylene		6700	1600	6600	1600	ppbv	1.5	Yes
	Methylene chloride		ND	4000	ND	4000	ppbv	--	--
	Naphthalene		ND	800	ND	800	ppbv	--	--
	n-Hexane		9600	1600	8500	1600	ppbv	12.2	Yes
	o-Xylene		2000	800	2000	800	ppbv	0	Yes
	Propylene		210000	8000	160000	8000	ppbv	27	Yes
	Styrene		ND	800	ND	800	ppbv	--	--
	tert-Butyl Methyl Ether		ND	800	ND	800	ppbv	--	--
	Tetrachloroethene		ND	800	ND	800	ppbv	--	--
	Tetrahydrofuran		ND	800	ND	800	ppbv	--	--
	Toluene		29000	800	27000	800	ppbv	7.1	Yes
	trans-1,2-Dichloroethene		ND	800	ND	800	ppbv	--	--
	trans-1,3-dichloropropene		ND	800	ND	800	ppbv	--	--
	Trichloroethene		ND	800	ND	800	ppbv	--	--
	Trichlorofluoromethane		ND	800	ND	800	ppbv	--	--
	Vinyl acetate		ND	800	ND	800	ppbv	--	--
	Vinyl chloride		ND	800	ND	800	ppbv	--	--
	Xylenes, Total		8700	2400	8600	2400	ppbv	1.2	Yes
MA APH	C5-C8 Aliphatic Hydrocarbons		1800000	940000	2000000	940000	ug/m3	10.5	Yes
	C9-C10 Aromatic Hydrocarbons		ND	1100000	ND	1100000	ug/m3	--	--

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
KAFB106160-POSTC1									
MA APH	C9-C12 Aliphatic Hydrocarbons	12/19/2012	ND	1500000	ND	1500000	ug/m3	--	--
ST106-IN									
ASTM D2504	Carbon dioxide	12/18/2012	1.1	0.1	1.2	0.1	%V/V	8.7	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		84	0.1	84	0.1	%V/V	0	Yes
	Oxygen		21	0.1	20	0.1	%V/V	4.9	Yes
EPA TO15	1,1,1-Trichloroethane		ND	20000	ND	20000	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	20000	ND	20000	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	20000	ND	20000	ppbv	--	--
	1,1,2-Trichloroethane		ND	20000	ND	20000	ppbv	--	--
	1,1-Dichloroethane		ND	20000	ND	20000	ppbv	--	--
	1,1-Dichloroethene		ND	20000	ND	20000	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	20000	ND	20000	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	20000	ND	20000	ppbv	--	--
	1,2-Dibromoethane		ND	20000	ND	20000	ppbv	--	--
	1,2-Dichlorobenzene		ND	20000	ND	20000	ppbv	--	--
	1,2-Dichloroethane		ND	20000	ND	20000	ppbv	--	--
	1,2-Dichloropropane		ND	20000	ND	20000	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	20000	ND	20000	ppbv	--	--
	1,3-Butadiene		ND	20000	ND	20000	ppbv	--	--
	1,3-Dichlorobenzene		ND	20000	ND	20000	ppbv	--	--
	1,4-Dichlorobenzene		ND	20000	ND	20000	ppbv	--	--
	2-Butanone		ND	20000	ND	20000	ppbv	--	--
	2-Hexanone		ND	20000	ND	20000	ppbv	--	--
	4-Methyl-2-pentanone		ND	20000	ND	20000	ppbv	--	--
	Acetone		120000	20000	120000	20000	ppbv	0	Yes
	Benzene		30000	20000	26000	20000	ppbv	14.3	Yes
	Benzyl chloride		ND	20000	ND	20000	ppbv	--	--
	Bromodichloromethane		ND	20000	ND	20000	ppbv	--	--
	Bromoform		ND	20000	ND	20000	ppbv	--	--
	Bromomethane		ND	20000	ND	20000	ppbv	--	--
	Carbon disulfide		ND	20000	ND	20000	ppbv	--	--
	Carbon tetrachloride		ND	20000	ND	20000	ppbv	--	--
	Chlorobenzene		ND	20000	ND	20000	ppbv	--	--
	Chlorodibromomethane		ND	20000	ND	20000	ppbv	--	--
	Chloroethane		ND	20000	ND	20000	ppbv	--	--
	Chloroform		ND	20000	ND	20000	ppbv	--	--

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Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
ST106-IN									
EPA TO15	Chloromethane	12/18/2012	ND	20000	ND	20000	ppbv	--	--
	cis-1,2-Dichloroethene		ND	20000	ND	20000	ppbv	--	--
	cis-1,3-dichloropropene		ND	20000	ND	20000	ppbv	--	--
	Cyclohexane		120000	40000	100000	40000	ppbv	18.2	Yes
	Dichlorodifluoromethane		ND	20000	ND	20000	ppbv	--	--
	Ethyl acetate		ND	20000	ND	20000	ppbv	--	--
	Ethylbenzene		ND	40000	ND	40000	ppbv	--	--
	Heptane		140000	20000	110000	20000	ppbv	24	Yes
	Hexachlorobutadiene		ND	40000	ND	40000	ppbv	--	--
	m,p-Xylene		ND	40000	ND	40000	ppbv	--	--
	Methylene chloride		ND	100000	ND	100000	ppbv	--	--
	Naphthalene		ND	20000	ND	20000	ppbv	--	--
	n-Hexane		73000	40000	61000	40000	ppbv	17.9	Yes
	o-Xylene		ND	20000	ND	20000	ppbv	--	--
	Propylene		ND	20000	ND	20000	ppbv	--	--
	Styrene		ND	20000	ND	20000	ppbv	--	--
	tert-Butyl Methyl Ether		ND	20000	ND	20000	ppbv	--	--
	Tetrachloroethene		ND	20000	ND	20000	ppbv	--	--
	Tetrahydrofuran		ND	20000	ND	20000	ppbv	--	--
	Toluene		100000	20000	69000	20000	ppbv	36.7	Yes
	trans-1,2-Dichloroethene		ND	20000	ND	20000	ppbv	--	--
	trans-1,3-dichloropropene		ND	20000	ND	20000	ppbv	--	--
	Trichloroethene		ND	20000	ND	20000	ppbv	--	--
	Trichlorofluoromethane		ND	20000	ND	20000	ppbv	--	--
	Vinyl acetate		ND	20000	ND	20000	ppbv	--	--
	Vinyl chloride		ND	20000	ND	20000	ppbv	--	--
	Xylenes, Total		ND	60000	ND	60000	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		8800000	2300000	7500000	2300000	ug/m3	16	Yes
	C9-C10 Aromatic Hydrocarbons		ND	2700000	ND	2700000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	3800000	ND	3800000	ug/m3	--	--
SVEW-10-410									
ASTM D2504	Carbon dioxide	12/11/2012	0.089 J	0.1	0.093 J	0.1	%V/V	--	--
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		82	0.1	83	0.1	%V/V	1.2	Yes
	Oxygen		22	0.1	22	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	8000	ND	8000	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	8000	ND	8000	ppbv	--	--

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVEW-10-410									
EPA TO15	1,1,2-Trichloro-1,2,2-trifluoroethane	12/11/2012	ND	8000	ND	8000	ppbv	--	--
	1,1,2-Trichloroethane		ND	8000	ND	8000	ppbv	--	--
	1,1-Dichloroethane		ND	8000	ND	8000	ppbv	--	--
	1,1-Dichloroethene		ND	8000	ND	8000	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	8000	ND	8000	ppbv	--	--
	1,2-Dibromoethane		ND	8000	ND	8000	ppbv	--	--
	1,2-Dichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	1,2-Dichloroethane		ND	8000	ND	8000	ppbv	--	--
	1,2-Dichloropropane		ND	8000	ND	8000	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	8000	ND	8000	ppbv	--	--
	1,3-Butadiene		ND	8000	ND	8000	ppbv	--	--
	1,3-Dichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	1,4-Dichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	2-Butanone		ND	8000	ND	8000	ppbv	--	--
	2-Hexanone		ND	8000	ND	8000	ppbv	--	--
	4-Methyl-2-pentanone		ND	8000	ND	8000	ppbv	--	--
	Acetone		ND	8000	ND	8000	ppbv	--	--
	Benzene		10000	8000	9800	8000	ppbv	2	Yes
	Benzyl chloride		ND	8000	ND	8000	ppbv	--	--
	Bromodichloromethane		ND	8000	ND	8000	ppbv	--	--
	Bromoform		ND	8000	ND	8000	ppbv	--	--
	Bromomethane		ND	8000	ND	8000	ppbv	--	--
	Carbon disulfide		ND	8000	ND	8000	ppbv	--	--
	Carbon tetrachloride		ND	8000	ND	8000	ppbv	--	--
	Chlorobenzene		ND	8000	ND	8000	ppbv	--	--
	Chlorodibromomethane		ND	8000	ND	8000	ppbv	--	--
	Chloroethane		ND	8000	ND	8000	ppbv	--	--
	Chloroform		ND	8000	ND	8000	ppbv	--	--
	Chloromethane		ND	8000	ND	8000	ppbv	--	--
	cis-1,2-Dichloroethene		ND	8000	ND	8000	ppbv	--	--
	cis-1,3-dichloropropene		ND	8000	ND	8000	ppbv	--	--
	Cyclohexane		22000	16000	25000	16000	ppbv	12.8	Yes
	Dichlorodifluoromethane		ND	8000	ND	8000	ppbv	--	--
	Ethyl acetate		ND	8000	ND	8000	ppbv	--	--
	Ethylbenzene		ND	16000	ND	16000	ppbv	--	--
	Heptane		32000	8000	37000	8000	ppbv	14.5	Yes

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVEW-10-410									
EPA TO15	Hexachlorobutadiene	12/11/2012	ND	16000	ND	16000	ppbv	--	--
	m,p-Xylene		ND	16000	ND	16000	ppbv	--	--
	Methylene chloride		ND	40000	ND	40000	ppbv	--	--
	Naphthalene		ND	8000	ND	8000	ppbv	--	--
	n-Hexane		10000 J	16000	10000 J	16000	ppbv	--	--
	o-Xylene		ND	8000	ND	8000	ppbv	--	--
	Propylene		ND	8000	ND	8000	ppbv	--	--
	Styrene		ND	8000	ND	8000	ppbv	--	--
	tert-Butyl Methyl Ether		ND	8000	ND	8000	ppbv	--	--
	Tetrachloroethene		ND	8000	ND	8000	ppbv	--	--
	Tetrahydrofuran		ND	8000	ND	8000	ppbv	--	--
	Toluene		45000	8000	46000	8000	ppbv	2.2	Yes
	trans-1,2-Dichloroethene		ND	8000	ND	8000	ppbv	--	--
	trans-1,3-dichloropropene		ND	8000	ND	8000	ppbv	--	--
	Trichloroethene		ND	8000	ND	8000	ppbv	--	--
	Trichlorofluoromethane		ND	8000	ND	8000	ppbv	--	--
	Vinyl acetate		ND	8000	ND	8000	ppbv	--	--
	Vinyl chloride		ND	8000	ND	8000	ppbv	--	--
	Xylenes, Total		ND	24000	ND	24000	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		850000	190000	1100000	190000	ug/m3	25.6	Yes
	C9-C10 Aromatic Hydrocarbons		ND	210000	ND	210000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	300000	ND	300000	ug/m3	--	--
SVMW-01-100									
ASTM D2504	Carbon dioxide	12/17/2012	9.7	0.1	9.4	0.1	%V/V	3.1	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		86	0.1	86	0.1	%V/V	0	Yes
	Oxygen		8	0.1	8.3	0.1	%V/V	3.7	Yes
EPA TO15	1,1,1-Trichloroethane		ND	20000	ND	20000	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	20000	ND	20000	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	20000	ND	20000	ppbv	--	--
	1,1,2-Trichloroethane		ND	20000	ND	20000	ppbv	--	--
	1,1-Dichloroethane		ND	20000	ND	20000	ppbv	--	--
	1,1-Dichloroethene		ND	20000	ND	20000	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	20000	ND	20000	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	20000	ND	20000	ppbv	--	--
	1,2-Dibromoethane		ND	20000	ND	20000	ppbv	--	--
	1,2-Dichlorobenzene		ND	20000	ND	20000	ppbv	--	--

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVMW-01-100									
EPA TO15	1,2-Dichloroethane	12/17/2012	ND	20000	ND	20000	ppbv	--	--
	1,2-Dichloropropane		ND	20000	ND	20000	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	20000	ND	20000	ppbv	--	--
	1,3-Butadiene		ND	20000	ND	20000	ppbv	--	--
	1,3-Dichlorobenzene		ND	20000	ND	20000	ppbv	--	--
	1,4-Dichlorobenzene		ND	20000	ND	20000	ppbv	--	--
	2-Butanone		ND	20000	ND	20000	ppbv	--	--
	2-Hexanone		ND	20000	ND	20000	ppbv	--	--
	4-Methyl-2-pentanone		ND	20000	ND	20000	ppbv	--	--
	Acetone		ND	20000	ND	20000	ppbv	--	--
	Benzene		68000	20000	87000	20000	ppbv	24.5	Yes
	Benzyl chloride		ND	20000	ND	20000	ppbv	--	--
	Bromodichloromethane		ND	20000	ND	20000	ppbv	--	--
	Bromoform		ND	20000	ND	20000	ppbv	--	--
	Bromomethane		ND	20000	ND	20000	ppbv	--	--
	Carbon disulfide		ND	20000	ND	20000	ppbv	--	--
	Carbon tetrachloride		ND	20000	ND	20000	ppbv	--	--
	Chlorobenzene		ND	20000	ND	20000	ppbv	--	--
	Chlorodibromomethane		ND	20000	ND	20000	ppbv	--	--
	Chloroethane		ND	20000	ND	20000	ppbv	--	--
	Chloroform		ND	20000	ND	20000	ppbv	--	--
	Chloromethane		ND	20000	ND	20000	ppbv	--	--
	cis-1,2-Dichloroethene		ND	20000	ND	20000	ppbv	--	--
	cis-1,3-dichloropropene		ND	20000	ND	20000	ppbv	--	--
	Cyclohexane		540000	40000	700000	40000	ppbv	25.8	Yes
	Dichlorodifluoromethane		ND	20000	ND	20000	ppbv	--	--
	Ethyl acetate		ND	20000	ND	20000	ppbv	--	--
	Ethylbenzene		ND	40000	ND	40000	ppbv	--	--
	Heptane		220000	20000	290000	20000	ppbv	27.5	Yes
	Hexachlorobutadiene		ND	40000	ND	40000	ppbv	--	--
	m,p-Xylene		ND	40000	ND	40000	ppbv	--	--
	Methylene chloride		ND	100000	ND	100000	ppbv	--	--
	Naphthalene		ND	20000	ND	20000	ppbv	--	--
	n-Hexane		640000	40000	830000	40000	ppbv	25.9	Yes
	o-Xylene		ND	20000	ND	20000	ppbv	--	--
	Propylene		ND	20000	ND	20000	ppbv	--	--
	Styrene		ND	20000	ND	20000	ppbv	--	--

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVMW-01-100									
EPA TO15	tert-Butyl Methyl Ether	12/17/2012	ND	20000	ND	20000	ppbv	--	--
	Tetrachloroethene		ND	20000	ND	20000	ppbv	--	--
	Tetrahydrofuran		ND	20000	ND	20000	ppbv	--	--
	Toluene		50000	20000	67000	20000	ppbv	29.1	Yes
	trans-1,2-Dichloroethene		ND	20000	ND	20000	ppbv	--	--
	trans-1,3-dichloropropene		ND	20000	ND	20000	ppbv	--	--
	Trichloroethene		ND	20000	ND	20000	ppbv	--	--
	Trichlorofluoromethane		ND	20000	ND	20000	ppbv	--	--
	Vinyl acetate		ND	20000	ND	20000	ppbv	--	--
	Vinyl chloride		ND	20000	ND	20000	ppbv	--	--
	Xylenes, Total		ND	60000	ND	60000	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		19000000	2300000	19000000	2300000	ug/m3	0	Yes
	C9-C10 Aromatic Hydrocarbons		ND	2700000	ND	2700000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	3800000	ND	3800000	ug/m3	--	--
SVMW-04-100									
ASTM D2504	Carbon dioxide	11/19/2012	8.5	0.1	9.2	0.1	%V/V	7.9	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		84	0.1	85	0.1	%V/V	1.2	Yes
	Oxygen		6.5	0.1	6.1	0.1	%V/V	6.3	Yes
EPA TO15	1,1,1-Trichloroethane		ND	40000	ND	40000	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	40000	ND	40000	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	40000	ND	40000	ppbv	--	--
	1,1,2-Trichloroethane		ND	40000	ND	40000	ppbv	--	--
	1,1-Dichloroethane		ND	40000	ND	40000	ppbv	--	--
	1,1-Dichloroethene		ND	40000	ND	40000	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	40000	ND	40000	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	40000	ND	40000	ppbv	--	--
	1,2-Dibromoethane		ND	40000	ND	40000	ppbv	--	--
	1,2-Dichlorobenzene		ND	40000	ND	40000	ppbv	--	--
	1,2-Dichloroethane		ND	40000	ND	40000	ppbv	--	--
	1,2-Dichloropropane		ND	40000	ND	40000	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	40000	ND	40000	ppbv	--	--
	1,3-Butadiene		ND	40000	ND	40000	ppbv	--	--
	1,3-Dichlorobenzene		ND	40000	ND	40000	ppbv	--	--
	1,4-Dichlorobenzene		ND	40000	ND	40000	ppbv	--	--
	2-Butanone		ND	40000	ND	40000	ppbv	--	--
	2-Hexanone		ND	40000	ND	40000	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVMW-04-100									
EPA TO15	4-Methyl-2-pentanone	11/19/2012	ND	40000	ND	40000	ppbv	--	--
	Acetone		ND	40000	ND	40000	ppbv	--	--
	Benzene		340000	40000	170000	40000	ppbv	66.7	No
	Benzyl chloride		ND	40000	ND	40000	ppbv	--	--
	Bromodichloromethane		ND	40000	ND	40000	ppbv	--	--
	Bromoform		ND	40000	ND	40000	ppbv	--	--
	Bromomethane		ND	40000	ND	40000	ppbv	--	--
	Carbon disulfide		ND	40000	ND	40000	ppbv	--	--
	Carbon tetrachloride		ND	40000	ND	40000	ppbv	--	--
	Chlorobenzene		ND	40000	ND	40000	ppbv	--	--
	Chlorodibromomethane		ND	40000	ND	40000	ppbv	--	--
	Chloroethane		ND	40000	ND	40000	ppbv	--	--
	Chloroform		ND	40000	ND	40000	ppbv	--	--
	Chloromethane		ND	40000	ND	40000	ppbv	--	--
	cis-1,2-Dichloroethene		ND	40000	ND	40000	ppbv	--	--
	cis-1,3-dichloropropene		ND	40000	ND	40000	ppbv	--	--
	Cyclohexane		1300000	80000	790000	80000	ppbv	48.8	Yes
	Dichlorodifluoromethane		ND	40000	ND	40000	ppbv	--	--
	Ethyl acetate		ND	40000	ND	40000	ppbv	--	--
	Ethylbenzene		ND	80000	ND	80000	ppbv	--	--
	Heptane		720000	40000	420000	40000	ppbv	52.6	No
	Hexachlorobutadiene		ND	80000	ND	80000	ppbv	--	--
	m,p-Xylene		ND	80000	ND	80000	ppbv	--	--
	Methylene chloride		ND	200000	ND	200000	ppbv	--	--
	Naphthalene		ND	40000	ND	40000	ppbv	--	--
	n-Hexane		1500000	80000	930000	80000	ppbv	46.9	Yes
	o-Xylene		ND	40000	ND	40000	ppbv	--	--
	Propylene		ND	40000	ND	40000	ppbv	--	--
	Styrene		ND	40000	ND	40000	ppbv	--	--
	tert-Butyl Methyl Ether		ND	40000	ND	40000	ppbv	--	--
	Tetrachloroethene		ND	40000	ND	40000	ppbv	--	--
	Tetrahydrofuran		ND	40000	ND	40000	ppbv	--	--
	Toluene		330000	40000	160000	40000	ppbv	69.4	No
	trans-1,2-Dichloroethene		ND	40000	ND	40000	ppbv	--	--
	trans-1,3-dichloropropene		ND	40000	ND	40000	ppbv	--	--
	Trichloroethene		ND	40000	ND	40000	ppbv	--	--
	Trichlorofluoromethane		ND	40000	ND	40000	ppbv	--	--

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Field Duplicate Summary
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVMW-04-100									
EPA TO15	Vinyl acetate	11/19/2012	ND	40000	ND	40000	ppbv	--	--
	Vinyl chloride		ND	40000	ND	40000	ppbv	--	--
	Xylenes, Total		ND	120000	ND	120000	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		57000000	9400000	55000000	9400000	ug/m3	3.6	Yes
	C9-C10 Aromatic Hydrocarbons		ND	11000000	ND	11000000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	15000000	ND	15000000	ug/m3	--	--
SVMW-06-252									
ASTM D2504	Carbon dioxide	12/11/2012	1.4	0.1	1.4	0.1	%V/V	0	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		87	0.1	86	0.1	%V/V	1.2	Yes
	Oxygen		17	0.1	16	0.1	%V/V	6.1	Yes
EPA TO15	1,1,1-Trichloroethane		ND	8000	ND	8000	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	8000	ND	8000	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	8000	ND	8000	ppbv	--	--
	1,1,2-Trichloroethane		ND	8000	ND	8000	ppbv	--	--
	1,1-Dichloroethane		ND	8000	ND	8000	ppbv	--	--
	1,1-Dichloroethene		ND	8000	ND	8000	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	8000	ND	8000	ppbv	--	--
	1,2-Dibromoethane		ND	8000	ND	8000	ppbv	--	--
	1,2-Dichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	1,2-Dichloroethane		ND	8000	ND	8000	ppbv	--	--
	1,2-Dichloropropane		ND	8000	ND	8000	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	8000	ND	8000	ppbv	--	--
	1,3-Butadiene		ND	8000	ND	8000	ppbv	--	--
	1,3-Dichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	1,4-Dichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	2-Butanone		ND	8000	ND	8000	ppbv	--	--
	2-Hexanone		ND	8000	ND	8000	ppbv	--	--
	4-Methyl-2-pentanone		ND	8000	ND	8000	ppbv	--	--
	Acetone		11000	8000	ND	8000	ppbv	--	--
	Benzene		46000	8000	92000	8000	ppbv	66.7	No
	Benzyl chloride		ND	8000	ND	8000	ppbv	--	--
	Bromodichloromethane		ND	8000	ND	8000	ppbv	--	--
	Bromoform		ND	8000	ND	8000	ppbv	--	--
	Bromomethane		ND	8000	ND	8000	ppbv	--	--
	Carbon disulfide		ND	8000	ND	8000	ppbv	--	--

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Field Duplicate Summary
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVMW-06-252									
EPA TO15	Carbon tetrachloride	12/11/2012	ND	8000	ND	8000	ppbv	--	--
	Chlorobenzene		ND	8000	ND	8000	ppbv	--	--
	Chlorodibromomethane		ND	8000	ND	8000	ppbv	--	--
	Chloroethane		ND	8000	ND	8000	ppbv	--	--
	Chloroform		ND	8000	ND	8000	ppbv	--	--
	Chloromethane		ND	8000	ND	8000	ppbv	--	--
	cis-1,2-Dichloroethene		ND	8000	ND	8000	ppbv	--	--
	cis-1,3-dichloropropene		ND	8000	ND	8000	ppbv	--	--
	Cyclohexane		52000	16000	110000	16000	ppbv	71.6	No
	Dichlorodifluoromethane		ND	8000	ND	8000	ppbv	--	--
	Ethyl acetate		ND	8000	ND	8000	ppbv	--	--
	Ethylbenzene		ND	16000	ND	16000	ppbv	--	--
	Heptane		14000	8000	27000	8000	ppbv	63.4	No
	Hexachlorobutadiene		ND	16000	ND	16000	ppbv	--	--
	m,p-Xylene		ND	16000	ND	16000	ppbv	--	--
	Methylene chloride		ND	40000	ND	40000	ppbv	--	--
	Naphthalene		ND	8000	ND	8000	ppbv	--	--
	n-Hexane		37000	16000	75000	16000	ppbv	67.9	No
	o-Xylene		ND	8000	ND	8000	ppbv	--	--
	Propylene		ND	8000	ND	8000	ppbv	--	--
	Styrene		ND	8000	ND	8000	ppbv	--	--
	tert-Butyl Methyl Ether		ND	8000	ND	8000	ppbv	--	--
	Tetrachloroethene		ND	8000	ND	8000	ppbv	--	--
	Tetrahydrofuran		ND	8000	ND	8000	ppbv	--	--
	Toluene		11000	8000	18000	8000	ppbv	48.3	Yes
	trans-1,2-Dichloroethene		ND	8000	ND	8000	ppbv	--	--
	trans-1,3-dichloropropene		ND	8000	ND	8000	ppbv	--	--
	Trichloroethene		ND	8000	ND	8000	ppbv	--	--
	Trichlorofluoromethane		ND	8000	ND	8000	ppbv	--	--
	Vinyl acetate		ND	8000	ND	8000	ppbv	--	--
	Vinyl chloride		ND	8000	ND	8000	ppbv	--	--
	Xylenes, Total		ND	24000	ND	24000	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		4100000	940000	6000000	940000	ug/m3	37.6	Yes
	C9-C10 Aromatic Hydrocarbons		ND	1100000	ND	1100000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	1500000	ND	1500000	ug/m3	--	--
SVMW-09-100									
ASTM D2504	Carbon dioxide	12/4/2012	11	0.1	10	0.1	%V/V	9.5	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--

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Field Duplicate Summary
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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVMW-09-100									
ASTM D2504	Methane	12/4/2012	ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		84	0.1	83	0.1	%V/V	1.2	Yes
	Oxygen		3.9	0.1	4.8	0.1	%V/V	20.7	Yes
EPA TO15	1,1,1-Trichloroethane		ND	80000	ND	80000	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	80000	ND	80000	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	80000	ND	80000	ppbv	--	--
	1,1,2-Trichloroethane		ND	80000	ND	80000	ppbv	--	--
	1,1-Dichloroethane		ND	80000	ND	80000	ppbv	--	--
	1,1-Dichloroethene		ND	80000	ND	80000	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	80000	ND	80000	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	80000	ND	80000	ppbv	--	--
	1,2-Dibromoethane		ND	80000	ND	80000	ppbv	--	--
	1,2-Dichlorobenzene		ND	80000	ND	80000	ppbv	--	--
	1,2-Dichloroethane		ND	80000	ND	80000	ppbv	--	--
	1,2-Dichloropropane		ND	80000	ND	80000	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	80000	ND	80000	ppbv	--	--
	1,3-Butadiene		ND	80000	ND	80000	ppbv	--	--
	1,3-Dichlorobenzene		ND	80000	ND	80000	ppbv	--	--
	1,4-Dichlorobenzene		ND	80000	ND	80000	ppbv	--	--
	2-Butanone		ND	80000	ND	80000	ppbv	--	--
	2-Hexanone		ND	80000	ND	80000	ppbv	--	--
	4-Methyl-2-pentanone		ND	80000	ND	80000	ppbv	--	--
	Acetone		ND	80000	ND	80000	ppbv	--	--
	Benzene		180000	80000	150000	80000	ppbv	18.2	Yes
	Benzyl chloride		ND	80000	ND	80000	ppbv	--	--
	Bromodichloromethane		ND	80000	ND	80000	ppbv	--	--
	Bromoform		ND	80000	ND	80000	ppbv	--	--
	Bromomethane		ND	80000	ND	80000	ppbv	--	--
	Carbon disulfide		ND	80000	ND	80000	ppbv	--	--
	Carbon tetrachloride		ND	80000	ND	80000	ppbv	--	--
	Chlorobenzene		ND	80000	ND	80000	ppbv	--	--
	Chlorodibromomethane		ND	80000	ND	80000	ppbv	--	--
	Chloroethane		ND	80000	ND	80000	ppbv	--	--
	Chloroform		ND	80000	ND	80000	ppbv	--	--
	Chloromethane		ND	80000	ND	80000	ppbv	--	--
	cis-1,2-Dichloroethene		ND	80000	ND	80000	ppbv	--	--
	cis-1,3-dichloropropene		ND	80000	ND	80000	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVMW-09-100									
EPA TO15	Cyclohexane	12/4/2012	550000	160000	480000	160000	ppbv	13.6	Yes
	Dichlorodifluoromethane		ND	80000	ND	80000	ppbv	--	--
	Ethyl acetate		ND	80000	ND	80000	ppbv	--	--
	Ethylbenzene		ND	160000	ND	160000	ppbv	--	--
	Heptane		200000	80000	170000	80000	ppbv	16.2	Yes
	Hexachlorobutadiene		ND	160000	ND	160000	ppbv	--	--
	m,p-Xylene		ND	160000	ND	160000	ppbv	--	--
	Methylene chloride		ND	400000	ND	400000	ppbv	--	--
	Naphthalene		ND	80000	ND	80000	ppbv	--	--
	n-Hexane		410000	160000	370000	160000	ppbv	10.3	Yes
	o-Xylene		ND	80000	ND	80000	ppbv	--	--
	Propylene		ND	80000	ND	80000	ppbv	--	--
	Styrene		ND	80000	ND	80000	ppbv	--	--
	tert-Butyl Methyl Ether		ND	80000	ND	80000	ppbv	--	--
	Tetrachloroethene		ND	80000	ND	80000	ppbv	--	--
	Tetrahydrofuran		ND	80000	ND	80000	ppbv	--	--
	Toluene		180000	80000	140000	80000	ppbv	25	Yes
	trans-1,2-Dichloroethene		ND	80000	ND	80000	ppbv	--	--
	trans-1,3-dichloropropene		ND	80000	ND	80000	ppbv	--	--
	Trichloroethene		ND	80000	ND	80000	ppbv	--	--
	Trichlorofluoromethane		ND	80000	ND	80000	ppbv	--	--
	Vinyl acetate		ND	80000	ND	80000	ppbv	--	--
	Vinyl chloride		ND	80000	ND	80000	ppbv	--	--
	Xylenes, Total		ND	240000	ND	240000	ppbv	--	--
MA APH	C5-C8 Aliphatic Hydrocarbons		30000000	9400000	22000000	9400000	ug/m3	30.8	Yes
	C9-C10 Aromatic Hydrocarbons		ND	11000000	ND	11000000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	15000000	ND	15000000	ug/m3	--	--
SVMW-11-250									
ASTM D2504	Carbon dioxide	12/6/2012	3.1	0.1	3	0.1	%V/V	3.3	Yes
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		80	0.1	80	0.1	%V/V	0	Yes
	Oxygen		15	0.1	15	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	8000	ND	8000	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	8000	ND	8000	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	8000	ND	8000	ppbv	--	--
	1,1,2-Trichloroethane		ND	8000	ND	8000	ppbv	--	--
	1,1-Dichloroethane		ND	8000	ND	8000	ppbv	--	--

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Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVMW-11-250									
EPA TO15	1,1-Dichloroethene	12/6/2012	ND	8000	ND	8000	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	1,2,4-Trimethylbenzene		ND	8000	ND	8000	ppbv	--	--
	1,2-Dibromoethane		ND	8000	ND	8000	ppbv	--	--
	1,2-Dichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	1,2-Dichloroethane		ND	8000	ND	8000	ppbv	--	--
	1,2-Dichloropropane		ND	8000	ND	8000	ppbv	--	--
	1,3,5-Trimethylbenzene		ND	8000	ND	8000	ppbv	--	--
	1,3-Butadiene		ND	8000	ND	8000	ppbv	--	--
	1,3-Dichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	1,4-Dichlorobenzene		ND	8000	ND	8000	ppbv	--	--
	2-Butanone		390000 J-	160000	370000 J-	160000	ppbv	5.3	Yes
	2-Hexanone		ND	8000	ND	8000	ppbv	--	--
	4-Methyl-2-pentanone		ND	8000	ND	8000	ppbv	--	--
	Acetone		2800000 J-	160000	2800000 J-	160000	ppbv	0	Yes
	Benzene		270000	8000	270000	8000	ppbv	0	Yes
	Benzyl chloride		ND	8000	ND	8000	ppbv	--	--
	Bromodichloromethane		ND	8000	ND	8000	ppbv	--	--
	Bromoform		ND	8000	ND	8000	ppbv	--	--
	Bromomethane		ND	8000	ND	8000	ppbv	--	--
	Carbon disulfide		ND	8000	ND	8000	ppbv	--	--
	Carbon tetrachloride		ND	8000	ND	8000	ppbv	--	--
	Chlorobenzene		ND	8000	ND	8000	ppbv	--	--
	Chlorodibromomethane		ND	8000	ND	8000	ppbv	--	--
	Chloroethane		ND	8000	ND	8000	ppbv	--	--
	Chloroform		ND	8000	ND	8000	ppbv	--	--
	Chloromethane		ND	8000	ND	8000	ppbv	--	--
	cis-1,2-Dichloroethene		ND	8000	ND	8000	ppbv	--	--
	cis-1,3-dichloropropene		ND	8000	ND	8000	ppbv	--	--
	Cyclohexane		2000000 J-	320000	1900000 J-	320000	ppbv	5.1	Yes
	Dichlorodifluoromethane		ND	8000	ND	8000	ppbv	--	--
	Ethyl acetate		ND	8000	ND	8000	ppbv	--	--
	Ethylbenzene		33000	16000	24000	16000	ppbv	31.6	Yes
	Heptane		3000000 J-	160000	2800000 J-	160000	ppbv	6.9	Yes
	Hexachlorobutadiene		ND	16000	ND	16000	ppbv	--	--
	m,p-Xylene		77000	16000	53000	16000	ppbv	36.9	Yes
	Methylene chloride		ND	40000	ND	40000	ppbv	--	--

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVMW-11-250									
EPA TO15	Naphthalene	12/6/2012	ND	8000	ND	8000	ppbv	--	--
	n-Hexane		770000 J-	320000	630000 J-	320000	ppbv	20	Yes
	o-Xylene		16000	8000	11000	8000	ppbv	37	Yes
	Propylene		ND	8000	ND	8000	ppbv	--	--
	Styrene		ND	8000	ND	8000	ppbv	--	--
	tert-Butyl Methyl Ether		ND	8000	ND	8000	ppbv	--	--
	Tetrachloroethene		ND	8000	ND	8000	ppbv	--	--
	Tetrahydrofuran		ND	8000	ND	8000	ppbv	--	--
	Toluene		1400000 J-	160000	1200000 J-	160000	ppbv	15.4	Yes
	trans-1,2-Dichloroethene		ND	8000	ND	8000	ppbv	--	--
	trans-1,3-dichloropropene		ND	8000	ND	8000	ppbv	--	--
	Trichloroethene		ND	8000	ND	8000	ppbv	--	--
	Trichlorofluoromethane		ND	8000	ND	8000	ppbv	--	--
	Vinyl acetate		ND	8000	ND	8000	ppbv	--	--
	Vinyl chloride		ND	8000	ND	8000	ppbv	--	--
	Xylenes, Total		93000	24000	64000	24000	ppbv	36.9	Yes
MA APH	C5-C8 Aliphatic Hydrocarbons		98000000	19000000	130000000	19000000	ug/m3	28.1	Yes
	C9-C10 Aromatic Hydrocarbons		ND	21000000	ND	21000000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	30000000	ND	30000000	ug/m3	--	--
SVMW-14-250									
ASTM D2504	Carbon dioxide	12/5/2012	0.14	0.1	0.068 J	0.1	%V/V	--	--
	Carbon Monoxide		ND	0.1	ND	0.1	%V/V	--	--
	Methane		ND	0.5	ND	0.5	%V/V	--	--
	Nitrogen		79	0.1	78	0.1	%V/V	1.3	Yes
	Oxygen		21	0.1	21	0.1	%V/V	0	Yes
EPA TO15	1,1,1-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2,2-Tetrachloroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane		ND	40	ND	40	ppbv	--	--
	1,1,2-Trichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,1-Dichloroethene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2,4-Trimethylbenzene		190	40	84	40	ppbv	77.4	No
	1,2-Dibromoethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,2-Dichloroethane		ND	40	ND	40	ppbv	--	--
	1,2-Dichloropropane		ND	40	ND	40	ppbv	--	--
	1,3,5-Trimethylbenzene		76	40	ND	40	ppbv	--	--

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVMW-14-250									
EPA TO15	1,3-Butadiene	12/5/2012	ND	40	ND	40	ppbv	--	--
	1,3-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	1,4-Dichlorobenzene		ND	40	ND	40	ppbv	--	--
	2-Butanone		ND	40	ND	40	ppbv	--	--
	2-Hexanone		ND	40	ND	40	ppbv	--	--
	4-Methyl-2-pentanone		ND	40	ND	40	ppbv	--	--
	Acetone		ND	40	ND	40	ppbv	--	--
	Benzene		260	40	150	40	ppbv	53.7	No
	Benzyl chloride		ND	40	ND	40	ppbv	--	--
	Bromodichloromethane		ND	40	ND	40	ppbv	--	--
	Bromoform		ND	40	ND	40	ppbv	--	--
	Bromomethane		ND	40	ND	40	ppbv	--	--
	Carbon disulfide		ND	40	ND	40	ppbv	--	--
	Carbon tetrachloride		ND	40	ND	40	ppbv	--	--
	Chlorobenzene		ND	40	ND	40	ppbv	--	--
	Chlorodibromomethane		ND	40	ND	40	ppbv	--	--
	Chloroethane		ND	40	ND	40	ppbv	--	--
	Chloroform		ND	40	ND	40	ppbv	--	--
	Chloromethane		ND	40	ND	40	ppbv	--	--
	cis-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	cis-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Cyclohexane		570	80	330	80	ppbv	53.3	No
	Dichlorodifluoromethane		ND	40	ND	40	ppbv	--	--
	Ethyl acetate		ND	40	ND	40	ppbv	--	--
	Ethylbenzene		310	80	140	80	ppbv	75.6	No
	Heptane		600	40	350	40	ppbv	52.6	No
	Hexachlorobutadiene		ND	80	ND	80	ppbv	--	--
	m,p-Xylene		870	80	420	80	ppbv	69.8	No
	Methylene chloride		ND	200	ND	200	ppbv	--	--
	Naphthalene		ND	40	ND	40	ppbv	--	--
	n-Hexane		230	80	140	80	ppbv	48.6	Yes
	o-Xylene		310	40	140	40	ppbv	75.6	No
	Propylene		ND	40	ND	40	ppbv	--	--
	Styrene		ND	40	ND	40	ppbv	--	--
	tert-Butyl Methyl Ether		ND	40	ND	40	ppbv	--	--
	Tetrachloroethene		ND	40	ND	40	ppbv	--	--
	Tetrahydrofuran		ND	40	ND	40	ppbv	--	--

Appendix B3 - Table 5
Field Duplicate Summary
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

Well ID/Method	Analyte	Sample Date	Normal Sample Result	Normal Sample LOQ	Duplicate Sample Result	Duplicate Sample LOQ	Units	RPD %	RPD Goal of 50% Met
SVMW-14-250									
EPA TO15	Toluene	12/5/2012	1600	40	870	40	ppbv	59.1	No
	trans-1,2-Dichloroethene		ND	40	ND	40	ppbv	--	--
	trans-1,3-dichloropropene		ND	40	ND	40	ppbv	--	--
	Trichloroethene		ND	40	ND	40	ppbv	--	--
	Trichlorofluoromethane		ND	40	ND	40	ppbv	--	--
	Vinyl acetate		ND	40	ND	40	ppbv	--	--
	Vinyl chloride		ND	40	ND	40	ppbv	--	--
	Xylenes, Total		1200	120	560	120	ppbv	72.7	No
MA APH	C5-C8 Aliphatic Hydrocarbons		68000	47000	100000	47000	ug/m3	38.1	Yes
	C9-C10 Aromatic Hydrocarbons		ND	53000	ND	53000	ug/m3	--	--
	C9-C12 Aliphatic Hydrocarbons		ND	76000	ND	76000	ug/m3	--	--

Notes: See Appendix B - Table 2 for definitions of Qualifiers and Reason Codes.

LOQ limit of quantitation
RPD relative percent difference
ND not detected at the LOQ
ppbv parts per billion volume
µg/m³ micrograms per cubic meter
%V/V percent volume per volume

RPD formula = 100 x |Primary Result - Duplicate Result| / ((Primary Result + Duplicate Result) / 2)

-- Not applicable since RPD not calculated. RPD is only calculated when the analyte is detected at or above the LOQ in both the normal sample and the duplicate sample.

Appendix B3 - Table 6
Technical Completeness
Soil Vapor Monitoring Event, Fourth Quarter 2012
Kirtland Air Force Base

	Analytical Method	Number of Analytes	Number of Samples	Number of Results	Number of Useable Results	Technical Completeness [Goal = 95 percent]
Environmental Samples						
	ASTM D2504	5	323	1615	1615	100.0
	EPA TO15	58	323	18734	18734	100.0
	MA APH	3	323	969	969	100.0
Field QC Samples						
	EPA TO15	58	7	406	406	100.0

* = The number of samples for fixed gases is not the same as for the other analyses. For one sample the Tedlar bag for fixed gases was received deflated so no analysis could be performed. The other fixed gases sample was collected, but not received by the laboratory. These two samples were not recollected.

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