URS

1 October 2015

Mr. Doug Mackenzie
U.S Army Corps of Engineers
ATTN: CESPK-ED-EE
1325 J Street
Sacramento, CA 95814-2922

SUBJECT: Contract No. W91238-07-D-0006, Task Order 0004, Modesto Groundwater Superfund Site, Modesto, California
Final Soil Vapor Extraction Rebound Report of Findings

Dear Mr. Mackenzie:

Enclosed is the final Soil Vapor Extraction Rebound Report of Findings for the Modesto Superfund Site. The report presents the sampling results reported for the rebound evaluation that occurred during 2014. Summaries and conclusions based on those results also are included in the report.

If you have any questions or comments, please call me at 916.679.2297.

Sincerely,

Venus Sadeghi, PhD
Project Manager

VS/gng

Enclosures

c: Anhtu Nguyen, USEPA Region 9
Durin Linderholm, CVWB
Jim Rohrer, DTSC
Project File

URS Group, Inc.
Crown Corporate Center
2870 Gateway Oaks Drive, Suite 150
Sacramento, CA 95833-3200
Tel: 916.679.2000
Fax: 196.679-2833

Modesto Groundwater Superfund Site
Distribution List

Mr. Doug Mackenzie USACE 1325 J Street, CESPK-ED-EE Sacramento, CA 95814	1 HC and 1 CD
Mr. Anhtu Nguyen Superfund Division (SFD-7-2) U.S. EPA, Region 9 75 Hawthorne Street San Francisco, CA 94105	1 HC and 1 CD
Mr. Durin Linderholm Regional Water Quality Control Board, Central Valley Region 11020 Sun Center Drive, Suite 200 Rancho Cordova, CA 95670-6114	1 HC and 1 CD
Mr. James Rohrer, PG California Department of Toxic Substances Control 8800 Cal Center Drive Sacramento, CA 95826	1 HC and 1 CD

RESPONSES TO COMMENTS ON THE DRAFT FINAL SOIL VAPOR EXTRACTION REBOUND REPORT OF FINDINGS, MODESTO GROUNDWATER SUPERFUND SITE						
Comment Number	**Section**	**Page**	**Paragraph**	**Reviewer**	**Comment**	**Response**
1.				J.Rohrer, DTSC	Consideration should be given to including the sampling logs in the report.	The sample data logs will be included in the report as Attachment 4.
2.		3	3rd para.	J.Rohrer, DTSC	It is reported that sub-slab and soil vapor monitoring samples were collected as grab samples. The previous paragraph indicates that soil vapor samples from SVE and vapor monitoring wells were collected following well purge under low vacuum. Clarification in regard to which samples were collected as grab samples and which samples were collected after purging would be helpful as "vapor monitoring well samples" as stated in the previous paragraph could mean the same thing as "soil vapor monitoring samples" as stated in the third paragraph.	The second paragraph was only meant to discuss samples collected within the buildings. The phrase "…and soil vapor monitoring" was removed from the paragraph to emphasize sub-slab samples being "grab" samples.
3.				J.Rohrer, DTSC	The last sample from DP-5A had a detected PCE concentration of 3,100 ppbV (21,028.02 ug/m3). I understand that the California commercial screening level is 1,800 ug/m3. Consideration should be given to installing a vapor monitoring to the north of this location to assess the potential for an indoor air risk in the Season's Lodge and to assess if PCE is being captured by the SVE system north of DP-05A.	The PCE soil gas concentrations in shallow SVE well DP-5A (screened from 15 to 16 feet bgs) are consistent with but lower than concentrations in SVE-03 (screened from 13 to 23 feet bgs). Both wells showed increased concentrations that peaked in October 2014. Both wells are located in the alley between Halford's and the Season's Lodge. The closest location that would be available for another well would be Fairmont Avenue on the north side of Season's Lodge and is, therefore, not recommended. Prior investigations have indicated that no soil gas PCE concentrations exist north of the Season's Lodge.

RESPONSES TO COMMENTS ON THE DRAFT FINAL SOIL VAPOR EXTRACTION REBOUND REPORT OF FINDINGS, MODESTO GROUNDWATER SUPERFUND SITE						
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3. (cont'd.)						However, Season's lodge does have sub-slab soil gas ports installed in the building. These points could not be monitored because access to the lodge was not granted. However, prior monitoring of the sub-slab locations in the lodge indicated that monitoring locations all contained sub-ppm concentrations. Monitoring DP-5A during subsequent operating of the SVE system should, however, indicate the effect of the system on PCE concentrations in the area. Decisions could then be based on monitoring results. Continued monitoring of these wells has been recommended in this report.
4.				J.Rohrer, DTSC	PCE was detected in last soil vapor sample collected from DP-3B at a concentration of 820 ppbV (5,562.25 ug/m3).Consideration may need to be given to installing a SVE well at this location as concentrations are now higher than baseline conditions for DP-3B.	Though PCE concentrations did rebound to approximately 1 ppmv in DP-3B, continued monitoring of this well is recommended to evaluate concentrations at this location. Since the end of the rebound study, the SVE system has been restarted. DP-3B will continue to be monitored as part of normal SVE system operations. Any additional remedial actions will be addressed in the upcoming Feasibility Study.
5.				J.Rohrer, DTSC	Consideration should be given to assessing the lateral extent of PCE to the west of DP-3B to assess if PCE is migrating to the residential properties.	We will continue to monitor DP-3A/B. Any additional investigations that may be necessary will be considered in the Feasibility Study.
6.				J.Rohrer, DTSC	Consideration should be given to sampling soil vapor from SVE-01 to see if extraction from this SVE well is warranted.	Though SVE-01 is not active, it was monitored during the rebound study. Only minor rebound occurred in that well, the final reported PCE concentration was 130 ppbv.

TECHNICAL MEMORANDUM

TO: Anhtu Nguyen, United States Environmental Protection Agency

FROM: Venus Sadeghi, URS Group, Inc.

COPY: Doug Mackenzie, United States Army Corps of Engineers
Monika Sanchez, United States Army Corps of Engineers
Tim Mathein, URS Group, Inc.

DATE: 1 October, 2015

SUBJECT: **Soil Vapor Extraction Rebound Report of Findings, Modesto Groundwater Superfund Site, Contract W91238-07-D-0006, Task Order 0004**

SUMMARY

In accordance with the *Work Plan, Soil Vapor Extraction Rebound Testing* (URS Group, Inc. [URS], 2013a), the soil vapor extraction (SVE) system at the Modesto Superfund Site (site) was shut down on 13 January 2014 for a planned 1 year duration to evaluate rebound of soil vapor concentrations. Tetrachloroethene (PCE) was the targeted volatile organic compound because it is the primary contaminant at the site, a dry cleaning facility. Although the SVE system was originally installed and operated for source control and to mitigate downward migration of PCE to groundwater, remaining residual mass is relatively shallow and localized to the area near and beneath the building. Therefore, the current objective of the SVE system is to reduce PCE soil vapor concentrations beneath the building and to prevent PCE migration to indoor air.

PCE contamination showed significant rebound as indicated by increased PCE concentrations measured in several SVE and soil vapor monitoring locations. The PCE concentration in well SVE-02 was reported at a maximum of approximately 35 parts per million by volume during the evaluation, compared to 38 parts per billion by volume (ppbv) reported in the baseline sample prior to SVE shut down, gaining 3 orders of magnitude.

The SVE system shutdown also allowed for the evaluation of soil vapor intrusion into three adjacent properties without an operating SVE system: Halford's Cleaners, the Parts House of Modesto (the Parts House), and Transmatic Transmission. However, to mitigate potential risks to indoor receptors while the SVE system was off, the sub-slab depressurization system continued operation. When comparing baseline indoor air PCE sample concentrations to PCE concentrations reported during 12 months of shutdown, the highest increase occurred in the Parts House, where concentrations increased from 4.9 to 11 micrograms per cubic meter ($\mu g/m^3$). This difference of 6.1 $\mu g/m^3$ (or 0.90 ppbv) indicates that the SVE shutdown had a minor effect on indoor air concentrations during the 1-year SVE shutdown period.

Based on the increased PCE concentrations in soil vapor, as exhibited in the SVE wells, further remediation of the site is warranted. This should include (but not necessarily be limited to) operating the SVE system in a pulsed mode to reduce operations costs while continuing to remove contaminant mass more efficiently.

SVE OPERATIONS BACKGROUND

The site is located at 941 McHenry Avenue in Modesto, California, where groundwater has been contaminated with PCE as a result of historic dry cleaning activities. Groundwater at the site is being

actively remediated using SVE and groundwater extraction and treatment systems. Figure 1 shows the SVE system and well locations.

SVE is listed as a major component of the selected interim remedy for the site and was implemented to control source concentrations of PCE and to address PCE concentrations in groundwater. The Interim Record of Decision (IROD) indicated that SVE operations could be discontinued when the soil gas no longer posed a threat to groundwater and no longer accelerated contaminant removal from groundwater (United States Environmental Protection Agency [EPA], 1997).

The first SVE removal action began in February 1991 with an SVE system installed at Halford's Cleaners. The first system operated until EPA decided that a larger SVE system was required to adequately address the extent of contamination. The IROD discussed the SVE interim remedial action (IRA) and listed the following IRA objectives that apply to SVE:

- Prevent further plume migration and initiate cleanup while remedial investigation/feasibility study (RI/FS) and post-RI/FS activities are being completed
- Eliminate and contain the highest contaminant levels at the source (source control)
- Minimize the impact of interim cleanup measures to the community

The larger (current) SVE system was installed in May 2000 and has operated intermittently since that time. Initially, vapors were first extracted from a single well, SVE-01. In October 2008, the vapors were then extracted from three new wells (SVE-2, SVE-03, and SVE-04). PCE concentrations decreased to asymptotic levels by late 2010 (URS, 2013a).

Vapor intrusion has been monitored in nearby business buildings including Halford's Cleaners (941 McHenry Avenue), The Parts House (939 McHenry Avenue), Transmatic Transmission (931 McHenry Avenue), and Season's Lodge (945 McHenry Avenue). Monitoring included sample analysis to evaluate PCE concentrations in the sub-slab area of the buildings and indoor air. A sub-slab depressurization system was installed in the Parts House in 2009 to address vapor intrusion beneath the foundation of the Parts House. This system vents the sub-slab area to the roof of the building through a piping system using two small 4-inch electric fans and operates continuously. During installation of the depressurization system, floor cracks were sealed. PCE use was discontinued at Halfords Cleaners in 2010.

SVE REBOUND

The objectives of this rebound study were two-fold:

1. Evaluate indoor air concentrations that may be affected by vapor intrusion while the SVE system was off line.

2. Evaluate any contaminant mass that may remain in the vadose zone following approximately 5 years of operating SVE at wells SVE-02, SVE-03, and SVE-04.

The rebound evaluation began in January 2014 with baseline sampling being conducted during the week of 6 January prior to the system being shut down on 13 January. The shutdown was planned for 1 year with indoor air and sub-slab sampling being conducted weekly for the first month after shutdown, then monthly through the end of the evaluation. Soil vapor monitoring and extraction wells were sampled at 1 week after shutdown, and then approximately monthly through the end of the evaluation. Table 1 lists

the sample locations and frequency of sample collection. Figure 1 shows well locations. Figures 2 and 3 give the approximate locations of the indoor air sample and sub-slab sample locations.

Analytical results from the indoor air samples analyzed by the EPA laboratory were reviewed and provided to the EPA and United States Army Corps of Engineers. The data was evaluated to ascertain whether any action was required due to increasing indoor air PCE concentrations.

Sampling

Soil vapor samples (from SVE and vapor monitoring wells) were collected in 400-milliliter Summa canisters. Sampling was conducted in accordance with the sampling procedures in the *Sampling and Analysis Plan for Long-Term Monitoring, Site Investigation, and Soil Vapor Extraction* (SAP) (URS, 2013b). All samples were collected following well purge, under low vacuum using a portable vacuum pump. Samples were analyzed using EPA Method TO15 (TO15).

Indoor air samples and sub-slab samples were collected in accordance with methods in the *Field Sampling and Analysis Plan Addendum No. 7* (EPA, 2010) and the *Final Sampling and Analysis Plan, Testing and Analysis of Vapor Intrusion, Modesto Groundwater Contamination Superfund Site* (ITSI, 2008) and included in the SAP (URS, 2013b). Sub-slab samples were collected as grab samples. Indoor air samples were collected over a 24-hour period at the locations listed in Table 1 in the vicinity of the sub-slab sample ports. Six-liter, laboratory-certified clean Summa canisters were used for all indoor air sampling. Indoor air and sub-slab samples were analyzed using EPA Method TO15SIM to achieve low level detections for PCE. Building ventilation conditions were not altered for the test but were observed and recorded during each sampling event and are included in Table 2.

Data validation for this effort was provided by an independent third party reviewer. The Quality Control Summary Reports (provided quarterly) are included as Attachment 1. Results from the dataset for both TO15 and TO15SIM, collectively met the 90 percent completeness goal; however, the TO15SIM dataset did not meet the 90 percent goal due to results reported between the detection limit (DL) and reporting limit (RL). Results reported between the DL and RL are qualified as estimated; these results are not qualified because of data quality issues indicated by quality control samples but because the project required reporting below the calibration range where the results cannot be accurately quantitated. The analytical reports for this effort are provided as Attachment 2 and Attachment 3 includes the results summary. Attachment 4 includes the sample log sheets.

Hydrocarbon concentrations increased in TO15SIM samples during the rebound study, resulting in analytical interferences as indicated by out of compliance internal standards, which increased the number of qualified results. Benzene, toluene, ethylbenzene and xylenes and hexane (i.e., constituents of gasoline and the lighter end of diesel) were also present. Samples were reanalyzed by the laboratory; however, to maintain the required 2 $\mu g/m^3$ RL for PCE, dilutions were not performed.

REBOUND SAMPLING EVALUATION

Only PCE results are included in charts for all sample locations. Figures 4 to 16 include charts for indoor air, sub-slab, and monitoring and SVE sample locations. PCE sample results at each location and date are listed in Table 3 for indoor air and sub-slab samples and in Table 4 for all other locations.

Indoor Air and Sub-Slab Results

Indoor air and sub-slab samples were collected during each sampling event at sampling locations in the Transmatic Transmission, the Parts House, and Halford's Cleaners buildings. Two indoor air and sub-slab samples were collected in the Parts House and Halford's Cleaners and one sample of each was collected in Transmatic Transmission (Table 1) to monitor the effect of rebound on possible vapor intrusion. The sub-slab depressurization system in the Parts House operated during the entirety of the rebound study.

Prior to beginning the rebound evaluation, the action level was calculated by the EPA toxicologist for indoor air industrial PCE concentrations. An industrial indoor air concentration of 2 $\mu g/m^3$ was calculated based on inhalation of indoor air increasing the risk of cancer by 1 in one million. The range of indoor air concentrations that match the cancer health risk for 1 in a million (1×10^{-6}) to 1 in ten thousand (1×10^{-4}) is 2 to 210 $\mu g/m^3$.

Baseline indoor air samples were collected prior to shutting down the SVE system. Two samples were reported at or exceeding 2 $\mu g/m^3$ (2.0 $\mu g/m^3$ in 941-IA-01 and 4.9 $\mu g/m^3$ in 939-IA-01). All indoor air PCE concentrations increased over the course of the year in the Parts House and Halford's Cleaners maximizing at 11 and 7.6 $\mu g/m^3$, respectively. Note that the highest concentration (11 $\mu g/m^3$) occurred at 939-IA-01, which is an enclosed office in the Parts House, thus likely indicating a "worst case" scenario. This enclosed office space has less ventilation than the other areas of the building (including Halford's Cleaners). According to the EPA toxicologist, these measurements are still within the 1×10^{-5} risk range. Indoor air concentrations for PCE in Transmatic Transmission never exceeded the TO15 SIM method detection limit of 1.3 $\mu g/m^3$.

The rebound work plan (URS, 2013a) proposed shutting down the sub-slab ventilation system if reported indoor air sample PCE concentrations did not exceed the 1 in a million (1×10^{-6}) risk number. However, because the PCE concentrations in Halford's Cleaners and the Parts House fluctuated above the 1×10^{-6} risk level over time since the baseline sample results were reported, the sub-slab system was kept operating.

Observations of indoor ventilation conditions (as recorded during sampling; see Table 2) provide no conclusive evidence that ventilation conditions impacted indoor air results. Though these observations are recorded during setup or takedown of the sampling equipment, the sampling takes place over a 24-hour period where ventilation conditions change (shops are closed and locked for the night). A more comprehensive testing regimen may be necessary to evaluate the effects of ventilation, employing 8-hour samples or even continuous monitoring.

Sub-slab samples were collected during each sampling event to predict when or if indoor air sample results might rise. These results may also be used in the health risk assessment to evaluate site-specific attenuation factors if needed. Though sub-slab sample concentrations increased in all samples following the initial baseline results (Figures 4, 5, and 6), there was no discernible, definite correlation between sub-slab and indoor air sample results. This was most evident in the Transmatic Transmission comparison where the sub-slab PCE concentration increased an order of magnitude (300 to 1,400 $\mu g/m^3$) with no increase in indoor air concentrations which were not detected above the method detection limit during the same timeframe.

Overall, the sub-slab PCE concentrations fluctuated, peaking in the summer at 200, 600, and 1,400 $\mu g/m^3$ at the Parts House, Halford's Cleaners, and Transmatic Transmission, respectively. However, sub-slab concentration trends did indicate rising concentrations over time. The rising trend is likely due in part to the low (1.7 to 17 ppbv) baseline PCE concentrations in the Parts House and Halford's Cleaners.

Monitoring Well and SVE Well Results

Monitoring and SVE wells were sampled on a regular basis during the rebound as indicated in Table 1. After the initial sampling rounds, most monitoring wells, with the exception of wells DP-5A, OSVE-10, and OSVE-11, were sampled every other month. These three monitoring wells and two of the SVE wells were sampled on a monthly basis to track their relatively higher PCE concentrations as compared to the monitoring wells that were sampled bimonthly.

The SVE wells showed the most significant rebound, as indicated by their high concentrations, with the highest concentration observed at 35,000 ppbv in SVE-02. SVE-02 and SVE-03 are the two shallow interval wells, screened from 7 to 12 feet below ground surface (bgs) and 13 to 23 feet bgs, respectively. OSVE-10 and OSVE-11 are screened to 5 feet bgs and are within Halford's Cleaners on the northwest side of the building. These two wells had PCE concentrations rebound from 22 to 1,900 ppbv and 12 to 2,900 ppbv, respectively. Though the PCE concentration trend was increasing, the concentrations fluctuated between 200 and 2,900 ppbv.

DP-05A (screened from 15 to 16 feet bgs) showed over 1,000 ppbv rebound at 6 months following shutdown of the SVE system. This well is in close proximity to the SVE wells, and rebound in this well indicates that contaminant mass in the immediate area near the SVE wells still exists. The deeper screened well at the same location (DP-05B, screened from 34 to 35 feet bgs) rebounded to a maximum of 170 ppbv by December 2014.

DP-03B is the only other soil vapor monitoring well to rebound to PCE concentrations exceeding 1,000 ppbv. This well is screened deeper (29 to 30 feet bgs) and is west of the Transmatic Transmission building. A pathway may exist between the SVE wells and DP-03B. The rebound in this well will continue to be evaluated during future sampling and SVE operation at the site.

Conclusions

Soil vapor contamination has rebounded at the Modesto SVE site. Diffusion limited contaminant mass (35,000 ppbv in soil vapor) still exists at the northwest corner of Halford's Cleaners. Approximately 6 months was needed for the rebound to reach concentrations greater than 1,000 ppbv, used as a threshold concentration for further system operations.

Indoor air samples, however, indicated that PCE concentrations increased slowly with the SVE system shutdown. Increased concentrations (4.9 to 11 $\mu g/m^3$ in the Parts House and 2.0 to 7.6 $\mu g/m^3$ in Halford's Cleaners) seem to indicate that shutting down the SVE system did affect indoor air (increased concentrations). The sub-slab ventilation system likely assisted in keeping sub-slab concentrations from a rapid buildup to the point that indoor air concentrations were minimally affected by vapor intrusion. However, both sub-slab and indoor air PCE concentrations generally did rise. The amount of increase of PCE concentrations in indoor air was less than 6 $\mu g/m^3$ which is less than 1 ppbv.

Well logs indicate that fine-grained silts make up much of the lithology near the SVE wells and DP-05 where much of the unremediated PCE mass is believed to be. This mass seems to be confined to a relatively small area on the northwest corner of the Halford's Cleaners building, as evidenced by the absence of rebound in PCE concentrations in DP-01 or DP-06.

Rebound in DP-03B will continue to be evaluated during subsequent operation of the SVE system.

RECOMMENDATIONS

The operation of the SVE system for approximately 5 years did not remediate the immobile mass in the fine-grained soils near Halford's Cleaners, possibly indicating that a different method of remediation may be necessary. This is evidenced by the rebound in SVE-02 to 35,000 ppbv which is higher than initial concentrations reported in samples from this well in late 2008 (URS, 2013a). The rebound work plan showed 14,000 ppbv, the previous maximum, in SVE-02.

Based on the time taken for rebound to occur in the SVE wells and well DP-05A, the SVE system should be pulsed and allowed to run for at least 1 month, then shut down for 5 months. This will allow for two operations per year and save operations costs over that time. A shutdown for 5 months will have minimum impact on the indoor air concentrations as evidenced by indoor air PCE concentrations over the first 6 months of the rebound evaluation. As discussed previously, concentrations in the sub-slab and vapor wells tend to increase during the summer and fall. Pulsed operation may be best incorporated during these higher recorded PCE concentrations to maximize mass removal.

Continued monthly sampling should be conducted to determine when the system could be shut down after the startup to maximize mass removal. The following wells are recommended for sample collection: SVE-02, SVE-03, DP-03A, and DP-05A. Other wells that were sampled prior to the rebound test on a quarterly basis should continue to be sampled on that schedule. If the SVE system continues operating for more than three months, wells on a monthly sampling schedule should be moved to quarterly.

Disclaimer

This **Technical Memorandum, Soil Vapor Extraction Rebound Report of Findings, Modesto Superfund Site** has been prepared by URS Group, Inc. (URS) for the United States Environmental Protection Agency under contract with the United States Army Corps of Engineers, Sacramento District, Contract No. W91238-07-D-0006-0004. Some of the data referenced in previous reports have not been developed by URS, and URS accepts them at face value. URS is not responsible for the validity or accuracy of non-URS information.

This document has been prepared by URS under the supervision of registered professionals. The conclusions and recommendations are based on URS' interpretation of the available information. The interpretation and the conclusions drawn were governed by URS' experience and professional judgment.

Tim Mathein, P.E. C71132	October 1, 2015 Date
Venus Sadeghi Project Manager	October 1, 2015 Date

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URS, 2013c. *Soil Vapor Extraction Treatment System Operation and Maintenance Manual.* 2013 Final. May.

TABLES

Table 1. Sampling Frequency

Location	Baseline 6/7 Jan	2-Day 15/16 Jan	1-Week 20/21 Jan	2-Week 27/28 Jan	10/12 Feb	17/18 Mar	16/17 Apr	20/21 May	18/19 Jun	23/24 July	20/21 Aug	16/17 Sep	15/16 Oct	19/20 Nov	17-19 Dec
Indoor Air															
939-IA-01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
939-IA-03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
941-IA-01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
941-IA-02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
931-IA-01	X	NS	NS	X	NS	NS	X	X	X	X	X	X	X	NS	X
Sub-Slab															
939-SS-01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
939-SS-02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
941-SS-01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
OSC-3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
931-SS-01	X	NS	NS	X	NS	NS	X	X	X	X	X	X	X	X	X
Monitoring Wells															
DP-01A	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	X	X
DP-01B	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	X	X
DP-02A	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	X	X
DP-02B	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	X	X
DP-03A	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	X	X
DP-03B	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	X	X
DP-04A	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	NS	X
DP-04B	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	NS	X
DP-05A	X	NS	X	NS	X	X	NS	X	X	X	X	X	X	X	X
DP-05B	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	X	X
DP-06A	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	X	X
DP-06B	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	X	X
SVE-01	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	X	X
OSVE-10	X	NS	X	NS	X	X	X	X	X	X	X	X	X	X	X
OSVE-11	X	NS	X	NS	X	X	X	X	X	X	X	X	X	X	X
Extraction Wells															
SVE-02	X	NS	X	NS	X	X	X	X	X	X	X	X	X	X	X
SVE-03	X	NS	X	NS	X	X	X	X	X	X	X	X	X	X	X
SVE-04	X	NS	X	NS	X	X	NS	X	NS	X	NS	X	NS	X	X

DP = dual probe
IA = indoor air
NS = not sampled
OSC = sub-slab location
OSVE = previous SVE well within Halford's
SS = sub slab
SVE = soil vapor extraction
X = sample

Table 2. Sampling Event Observations

Date	Outdoor Comment	Location	Indoor Comment
1/6/2014	Sunny	Halford's	Humid, doors closed
1/15/2014	Sunny	Halford's	Humid, doors closed
1/20/2014	Sunny	Halford's	Humid, roll up door open, other doors closed
1/27/2014	Sunny	Halford's	Humid, back door open
		Parts House	Doors closed
		Transmatic	Doors closed
2/11/2014	Sunny	Halford's	Humid, back door open
		Parts House	Back door closed
3/17/2014	Sunny 59°F	Halford's	Humid 70°F, back door open
		Parts House	70°F, doors closed, office open
4/16/2014	Sunny	Halford's	73°F, front and back doors open, warm up front, cool in back
		Parts House	75°F, doors closed
		Transmatic	70°F, doors closed
5/20/2014	Sunny 63°F	Halford's	Humid, 75°F, front and back doors open
		Parts House	75°F, doors closed, office open
		Transmatic	73°F, doors closed
6/18/2014	Sunny 71°F	Halford's	80°F, front door closed, back door open
		Parts House	77°F, doors closed, office open
		Transmatic	76°F, doors closed
8/20/2014		Halford's	Humid, 82°F, back door open
		Parts House	78°F, back door cracked open, office open
		Transmatic	76°F, doors closed
9/16/2014	Sunny 76°F	Halford's	Humid, 77°F, back door open
		Parts House	82°F, all doors open
		Transmatic	77°F, doors closed
10/21/2014	Sunny, cool, 57°F	Halford's	73°F, front door and roll up door open
		Parts House	69°F, doors closed, office open
		Transmatic	65°F, door to parts room open

°F = degrees Fahrenheit

Table 3. Indoor Air and Sub-Slab Sample Results Rebound Evaluation

		PCE Concentration (µg/m^3)														
Location	**Sample ID**	**Baseline 6/7 Jan 2014**	**2-Day 15/16 Jan 2014**	**1-Week 20/21 Jan 2014**	**2-Week 27/28 Jan 2014**	**02M14 10/12 Feb 2014**	**03M14 17/18 Mar 2014**	**04M14 6/17 Apr 2014**	**05M14 20/21 May 2014**	**06M14 18/19 Jun 2014**	**07M14 23/24 July 2014**	**08M14 20/21 Aug 2014**	**09M14 16/17 Sep 2014**	**10M14 15/16 Oct 2014**	**11M14 19/20 Nov 2014**	**12M14 17-19 Dec 2014**
939-IA-01	939-IA-01-A-24HR	4.9	3.8	4.2	6.4	5.6	4.3	6.6 (6.8)	9.3	6.2	3.2	11 (11)	8.9 (8.8)	4.5	5.5	8.2 (7.2)
939-IA-03	939-IA-03-A-24HR	0.76	0.93 (1.1)	1.4	1.8	1.1	<1.3	<1.3	0.88	0.94	<1.3	0.7	<1.3	0.89	1.6	2.4
941-IA-01	941-IA-01-A-24HR	2.0	4.5	5.6	2.9	3.7	3.1 (3.4)	4.5	4.4	6.0 (5.3)	<1.3	4.5	6.8	7.6	5.3 (5.8)	3.8
941-IA-02	941-IA-02-A-24HR	1.8	4.8	4.9	7.2 (4.6)	3.5	3.3	4.2	4.3	5.7	4.9	3.5	6.9	6.1 (6.2)	4.3	3.7
931-IA-01	931-IA-01-A-24HR	0.38	NS	NS	<1.3	NS	NS	<1.3	<1.3 (<1.3)	<1.3	<1.3	<1.3	<1.3	<1	NS	<1.3
939-SS-01	939-SS-01-A	17	35	41	54	14	85	128 (19 ppbv)	200	200	200	60	60	<80	20	20
939-SS-02	939-SS-02-A	1.7 (1.7)	3.8	7.1	12	22	50	53	60	60	80	100	30	<40	10 (10)	20
941-SS-01	941-SS-01-A	3.5	8.7	11 (11)	14	26	150	421 (62 ppbv)	400	300	600	300	300	<100	<20	11
OSC-3	OSC-3-A	9.8	15	14	22	19 (20)	30	43	60	70	90	20 (100)	20	<100	<10	11
931-SS-01	931-SS-01-A	300	NS	NS	300	NS	NS	665 (98 ppbv)	900	1,100	1,200	1,400	400	200	NS	200 (200)

IA = indoor air
ID = identification
NS = not sampled
OSC = sub-slab location
PCE = tetrachloroethene
ppbv = parts per billion by volume
SS = sub slab
µg/m^3 = micrograms per cubic meter
( ) = field duplicate
< = less than

Note: Sample Locations are named after the address of the business.
931 is Transmatic Transmission at 931 McHenry Avenue
939 is the Parts House at 939 McHenry Avenue
941 is Halford's Cleaners at 941 McHenry Avenue
OSC-3 is within Halford's Cleaners and is a sub-slab sampling location.

Table 4. Soil Vapor Monitoring Well and Extraction Well Sampling Results

		PCE Concentration (ppbv)												
Location	**Sample ID**	**Baseline 6/7 Jan 2014**	**1-Week 20/21 Jan 2014**	**02M14 10/12 Feb 2014**	**03M14 17/18 Mar 2014**	**04M14 16/17 Apr 2014**	**05M14 20/21 May 2014**	**06M14 18/19 Jun 2014**	**07M14 23/24 July 2014**	**08M14 20/21 Aug 2014**	**09M14 16/17 Sep 2014**	**10M14 15/16 Oct 2014**	**11M14 19/20 Nov 2014**	**12M14 17-19 Dec 2014**
DP-01A	DP-01A-A	45 (46)	1.9	130	3.5	NS	150	NS	140	NS	240	NS	7.3	3.1
DP-01B	DP-01B-A	45	110	100 (98)	120	NS	110	NS	120	NS	210	NS	160	150
DP-02A	DP-02A-A	19	1.5	20	7.4	NS	32	NS	76	NS	260	NS	10	7.0
DP-02B	DP-02B-A	88	3.0	73	55	NS	60(59)	NS	65	NS	69	NS	66	6.4
DP-03A	DP-03A-A	61	<2.4	57	12 (12)	NS	59	NS	80	NS	83	NS	11	7.9
DP-03B	DP-03B-A	56	<2.3	140	120	NS	340	NS	1,100	NS	1,100	NS	1,000	820
DP-04A	DP-04A-A	30	34	33	34	NS	41	NS	41	NS	41 (46)	NS	NS	33
DP-04B	DP-04B-A	44	<2.6	50	45	NS	46	NS	48 (46)	NS	76	NS	NS	2.0
DP-05A	DP-05A-A	<2.3	2.6 (2.5)	17	120	NS	760	1,500	2,400	2,600	2,600	4,500	2,800	3,100
DP-05B	DP-05B-A	<2.3	9.7	10	15	NS	26	NS	40	NS	54	NS	52	170
DP-06A	DP-06A-A	26	45	21	18	NS	21	NS	46	NS	440	NS	120	66 (77)
DP-06B	DP-06B-A	<2.4	28	20	31	NS	5.3	NS	1.6	NS	3.6 (5.6)	NS	20	7.0
SVE-01	SVE-01-A	5.9	24	40	45	NS	370 (59)	NS	95	NS	130	NS	98	130
OSVE-10	OSVE-10-A	22	370	210	200	250 (260)	810	240	970	310	480	1,900	230	260
OSVE-11	OSVE-11-A	12	930	590 (640)	430	940	1,200	970	2,900	770	1,200	930	660	650
SVE-02	SVE-02-A	38(38)	310	980	1,200	5,600	3,400	3,900	23,000	20,000	23,000	33,000	10,000	35,000
SVE-03	SVE-03-A	120	180 (190)	570	780 (1,500)	2,000	1,700	5,500	14,000	12,000	15,000	16,000	16,000	16,000
SVE-04	SVE-04-A	17	31	26	32	NS	40	NS	47 (47)	NS	91	NS	230	230

ID = identification
DP = dual probe
NS = not sampled
OSVE = previous SVE well within Halford's
PCE = tetrachloroethene
ppbv = parts per billion by volume
SVE = soil vapor extraction
( ) = field duplicate
< = less than

FIGURES

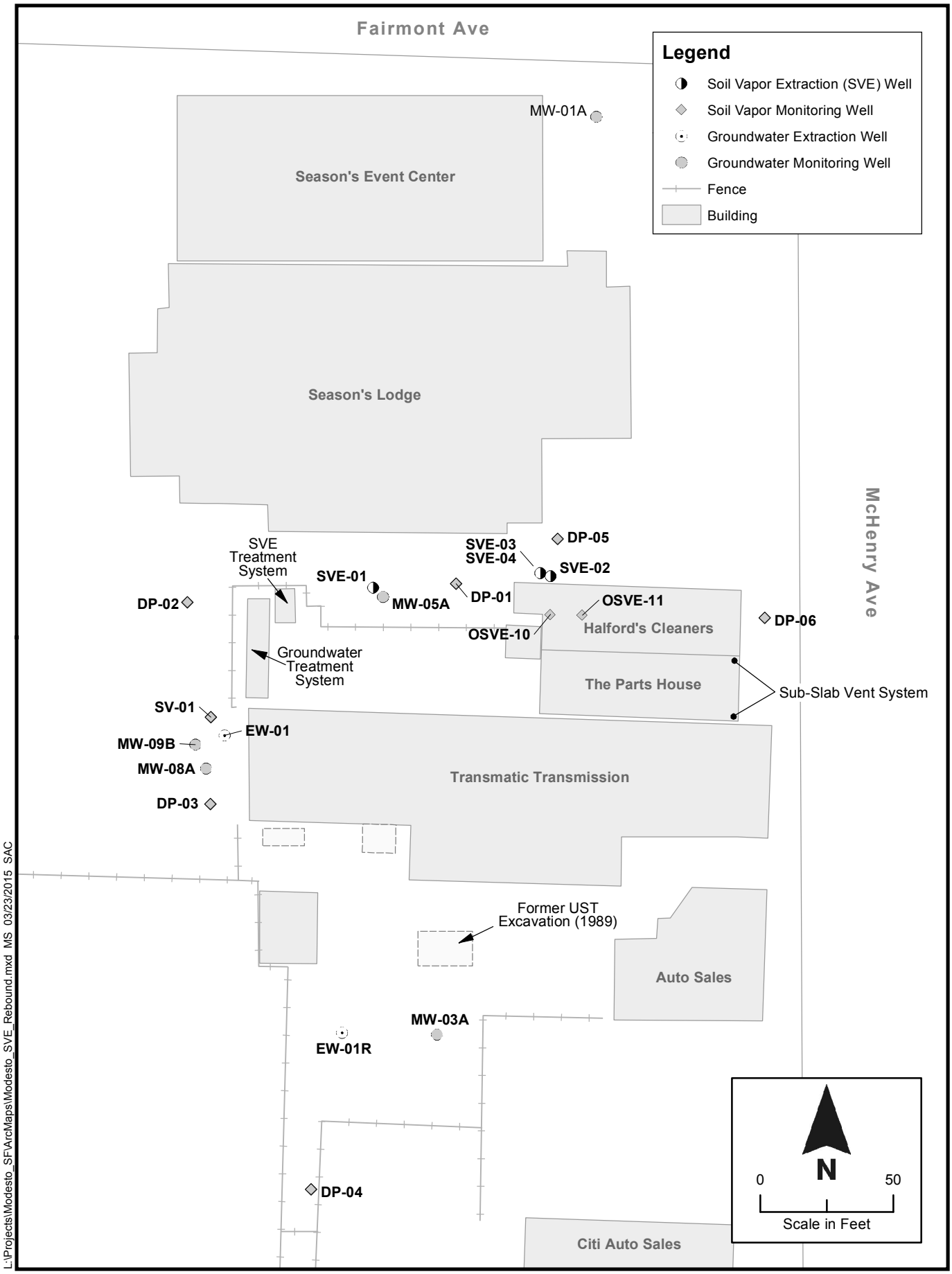

Figure 1
SVE System and Well Locations
Modesto Superfund Site

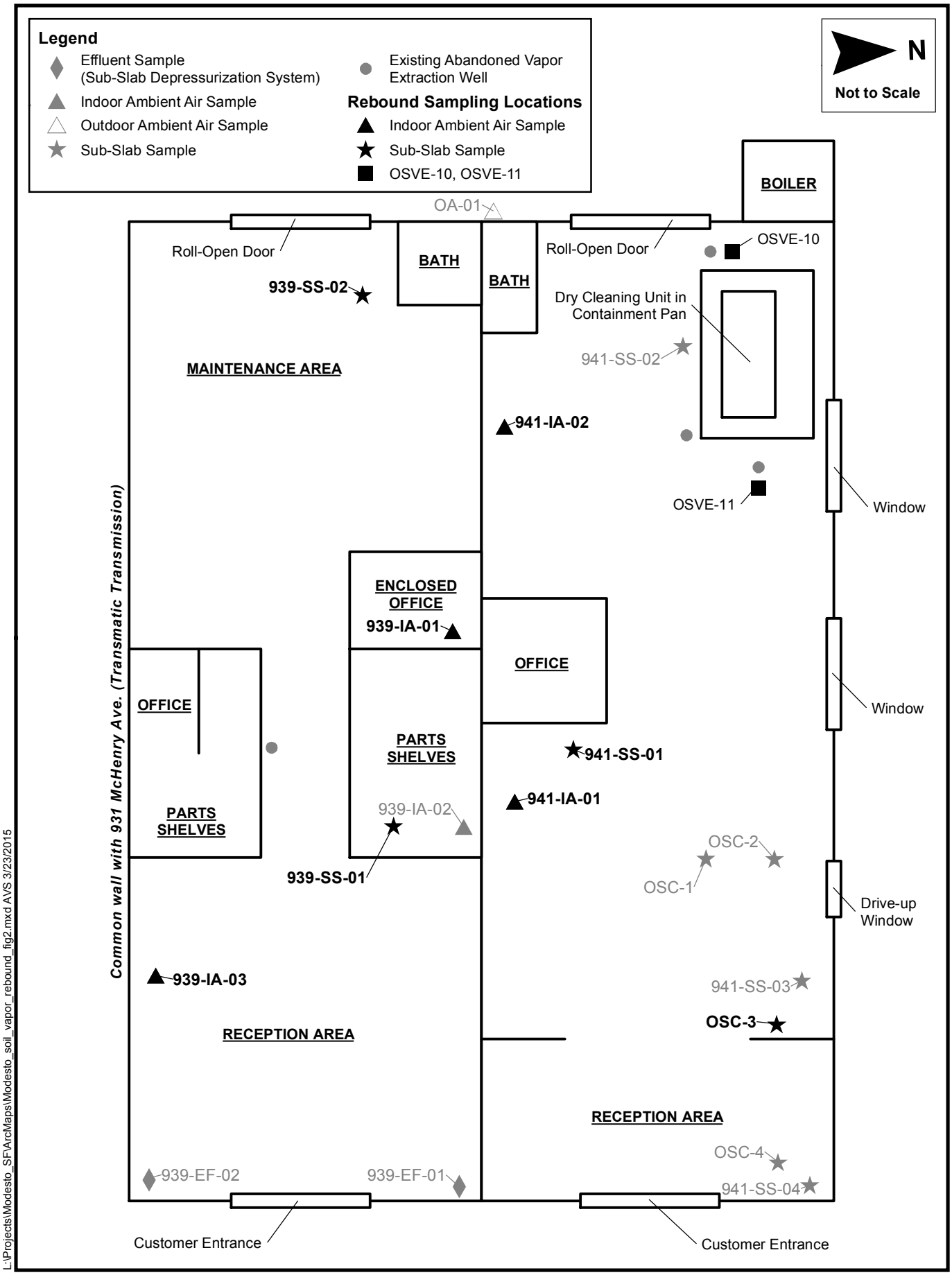

Figure 2 Soil Vapor Rebound Study, 939 (The Parts House) & 941 McHenry Avenue (Halford's Cleaners) Modesto Groundwater Superfund Site

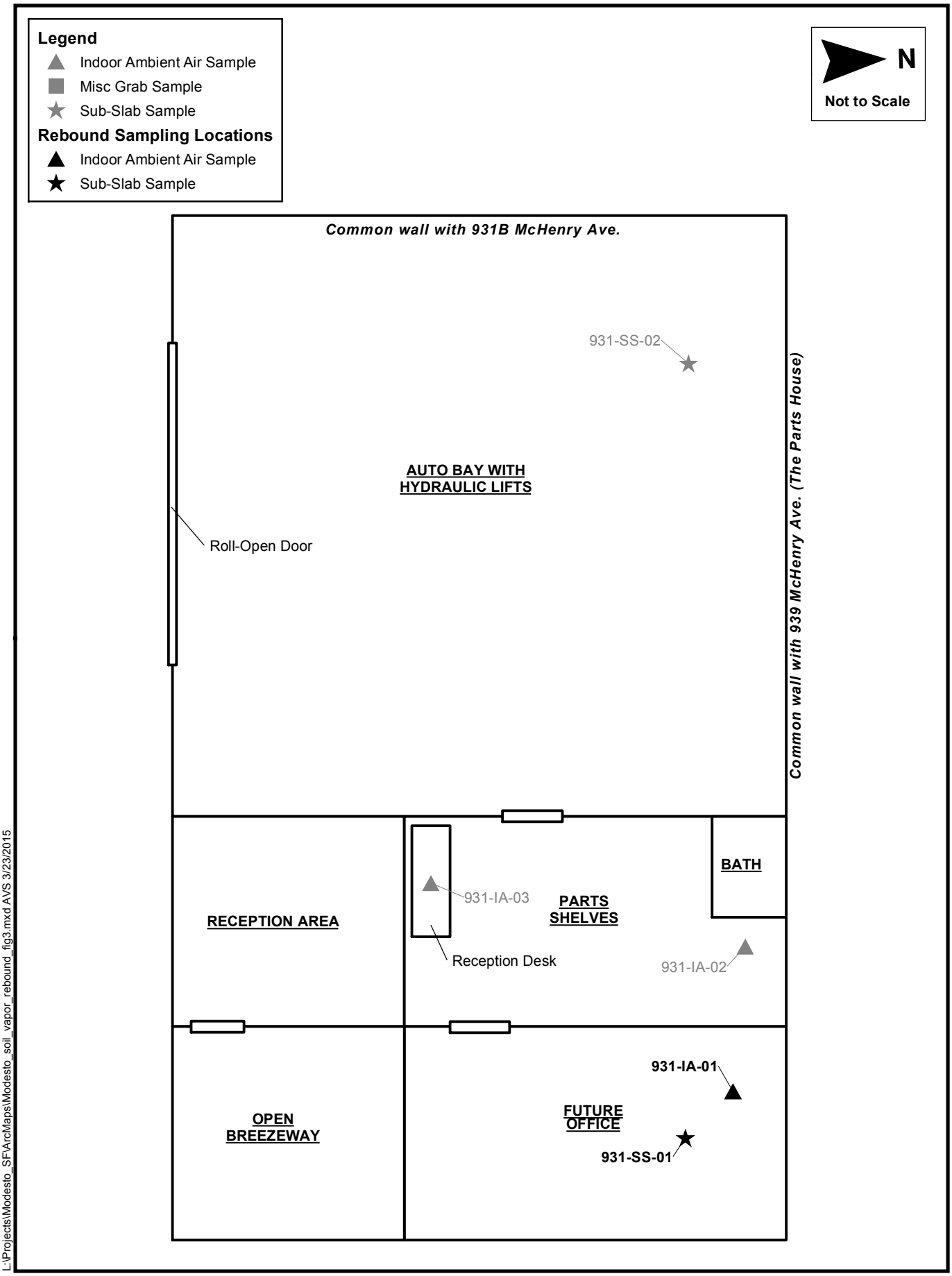

Figure 3
Soil Vapor Rebound Study, 931 McHenry Avenue (Transmatic Transmission)
Modesto Groundwater Superfund Site

Parts House Indoor Air PCE Concentrations

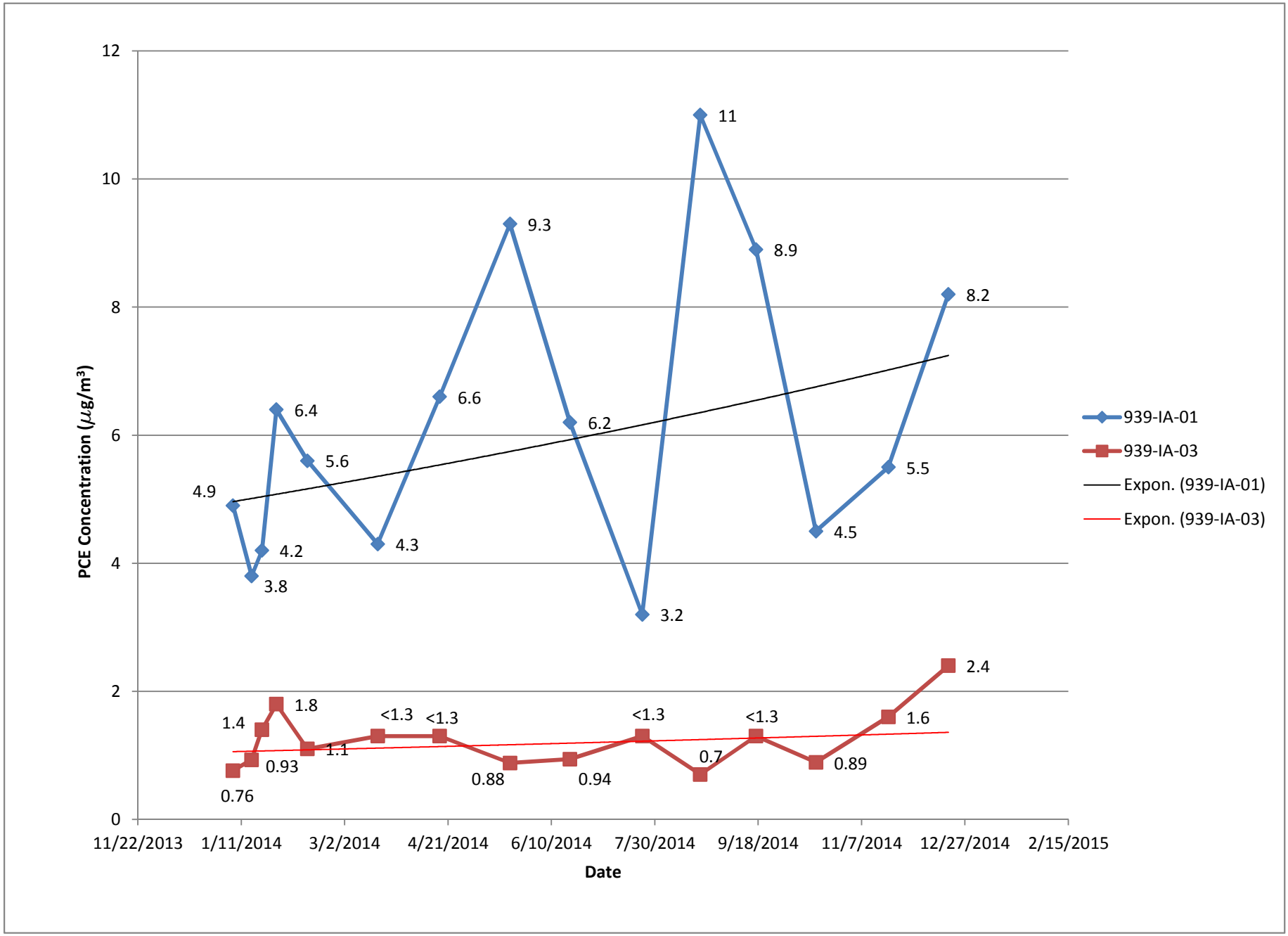

FIGURE 4

Halford's Cleaners Indoor Air PCE Concentrations

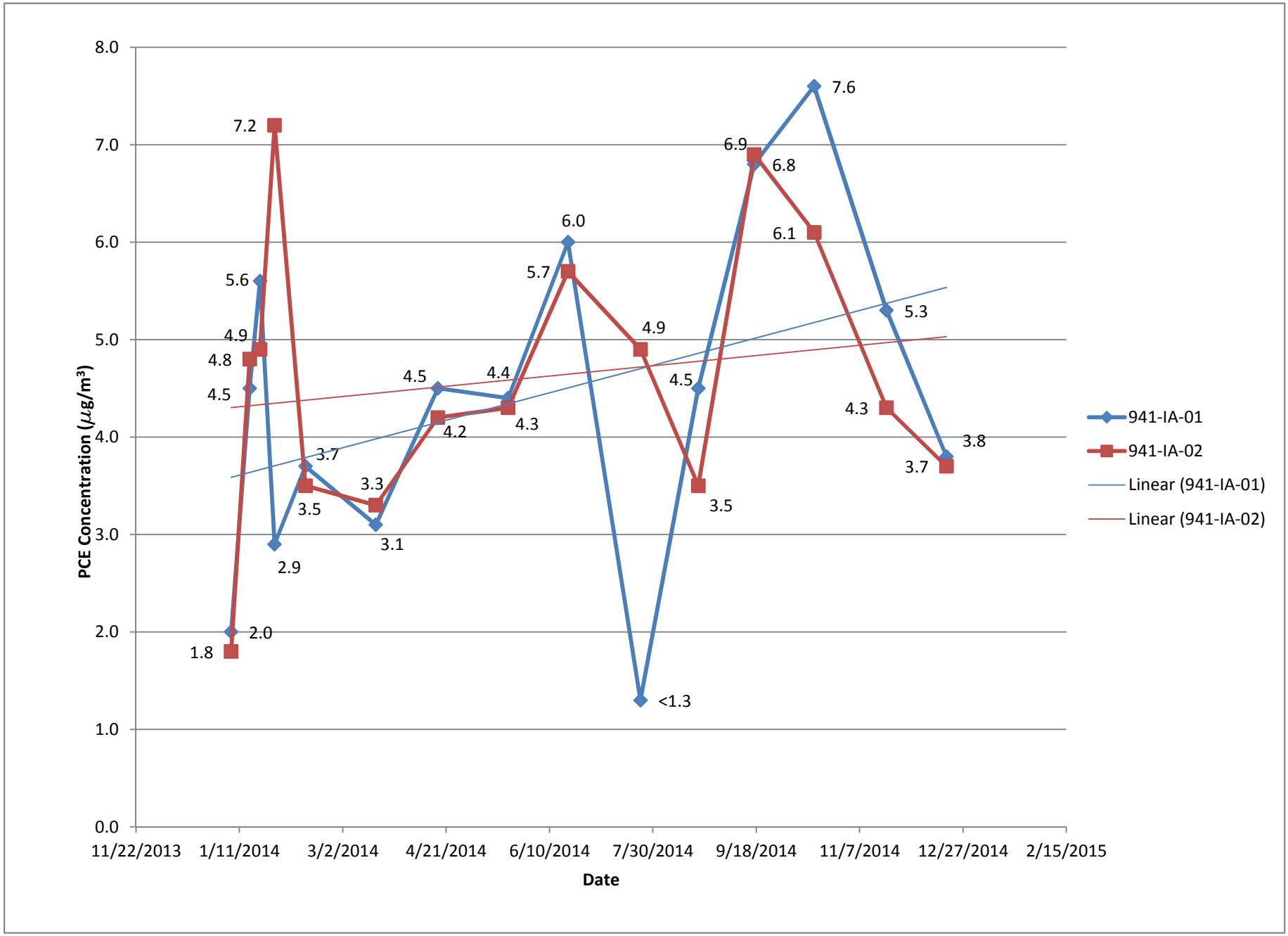

Figure 5

Parts House Sub-Slab PCE Concentrations

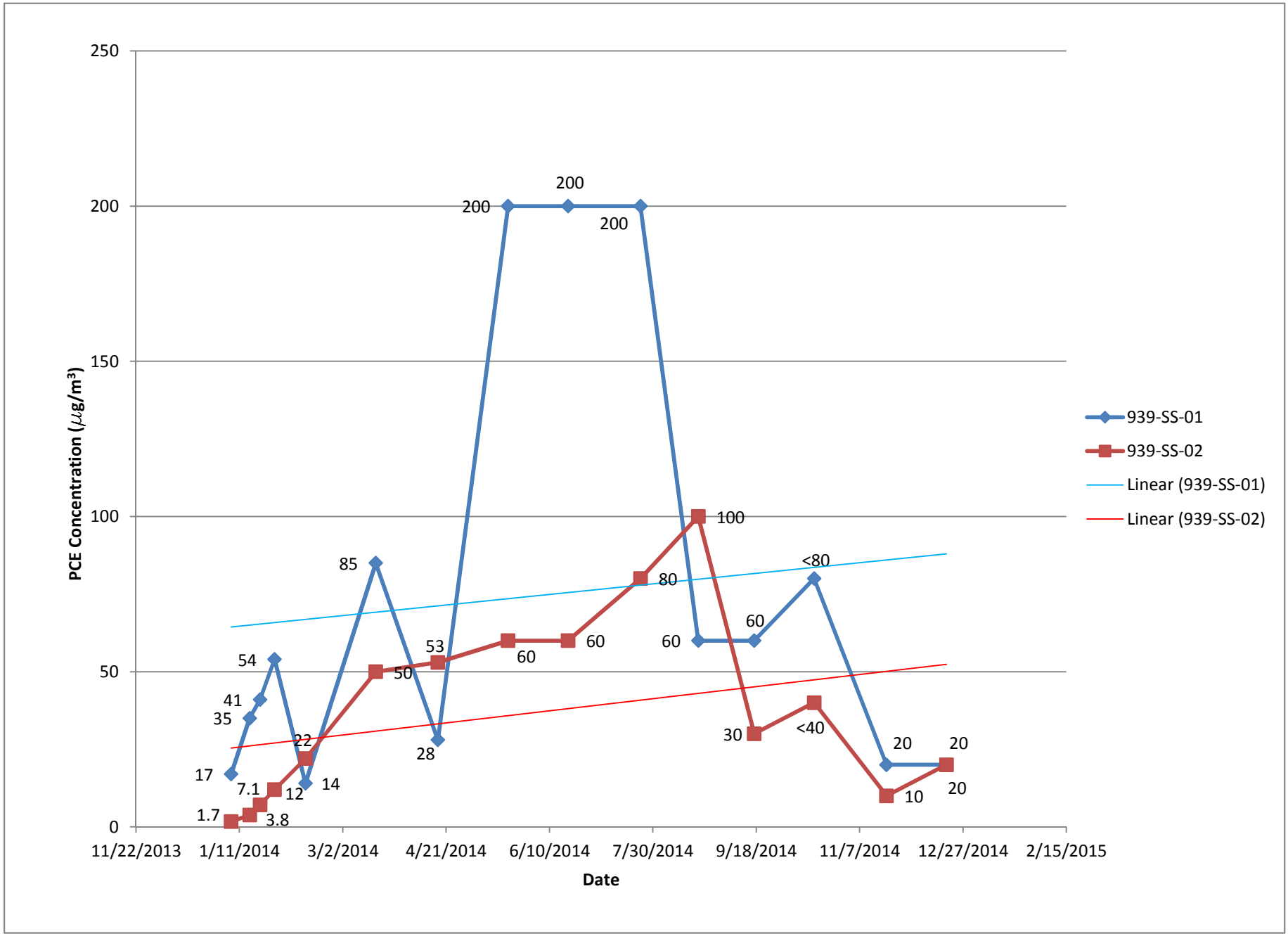

Figure 6

Halford's Cleaners Sub-Slab PCE Concentrations

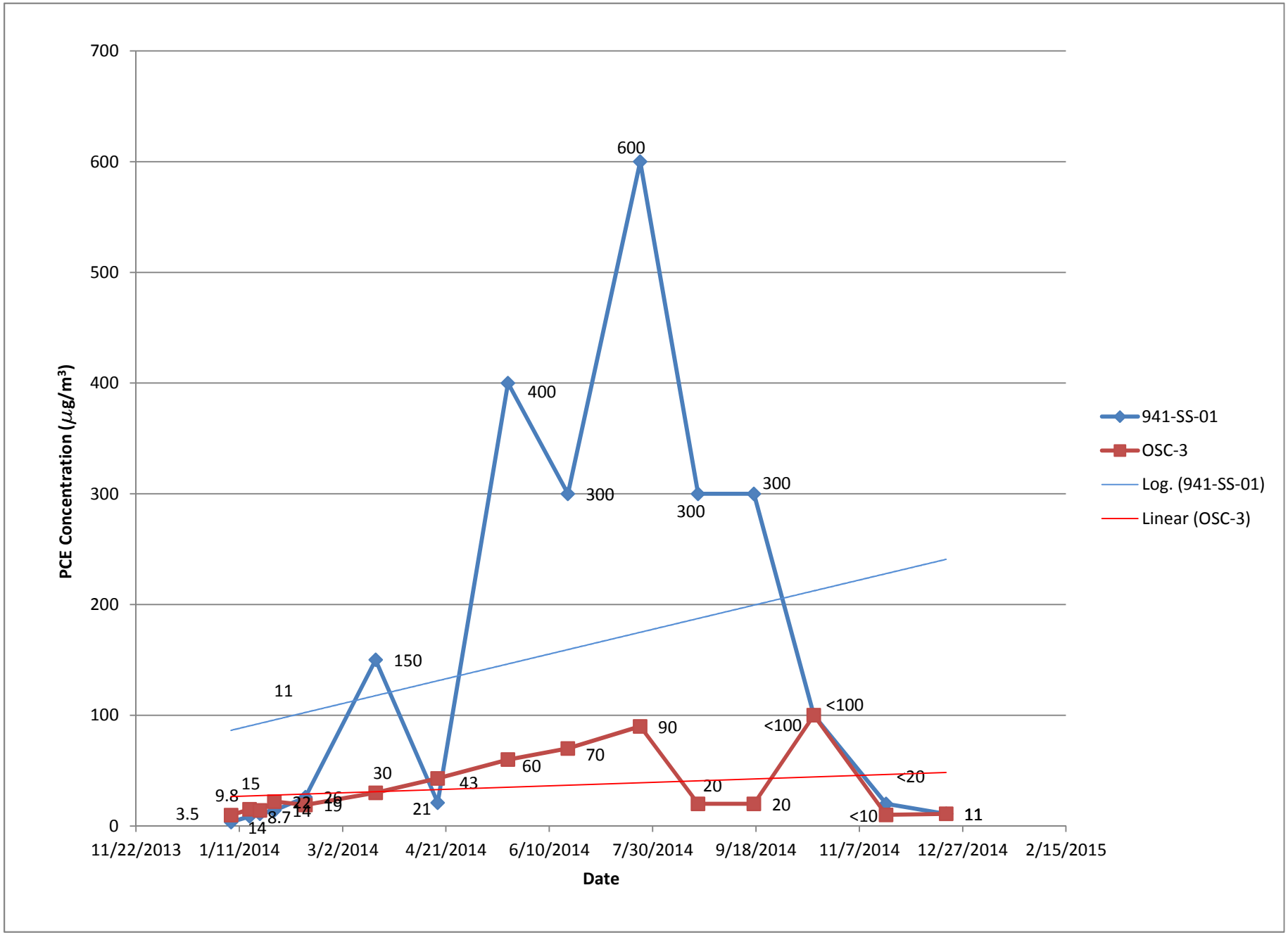

Figure 7

Transmatic Transmissions Indoor Air and Sub-Slab
PCE Concentrations

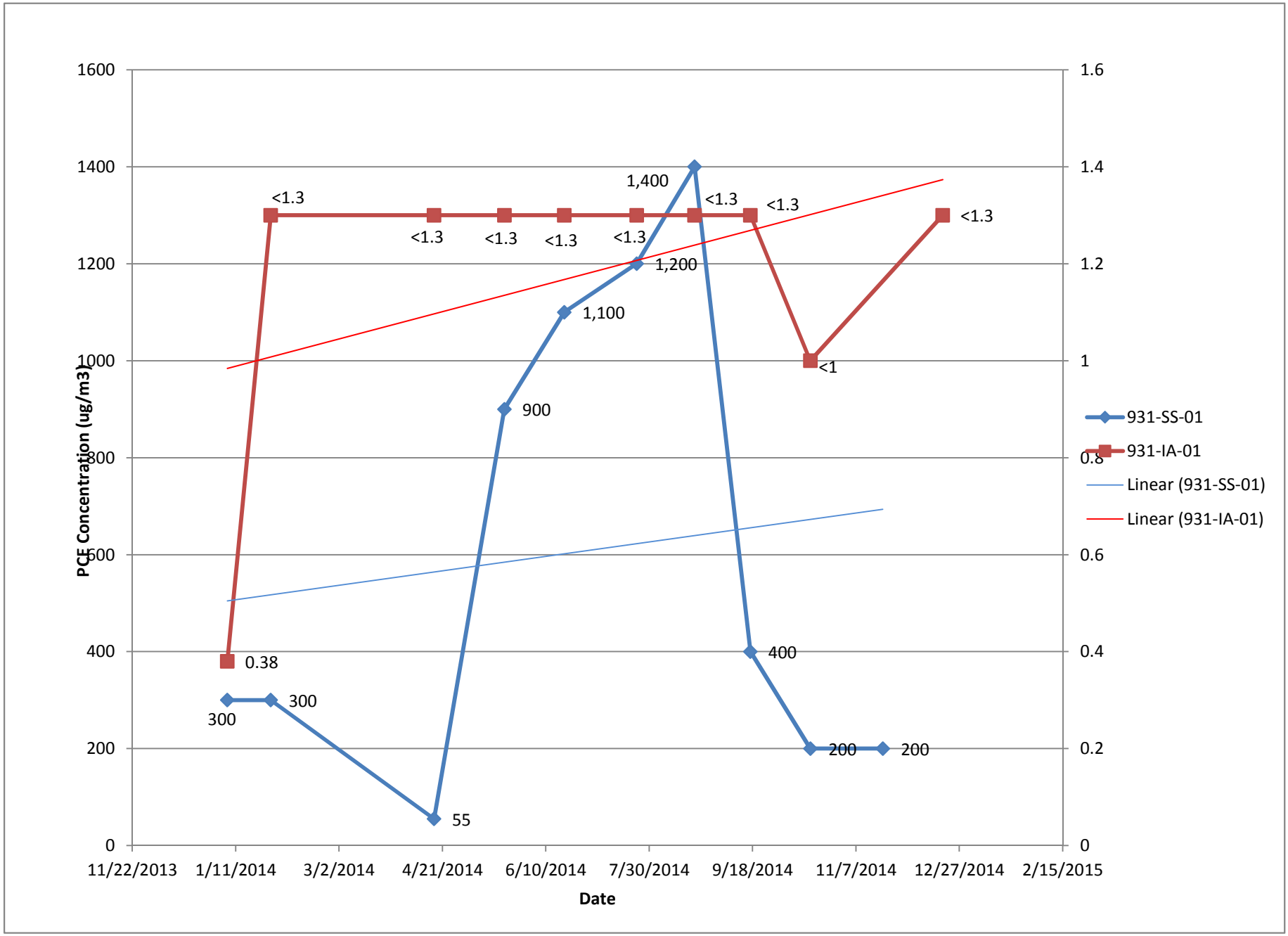

Figure 8

DP-01A/B PCE Concentrations

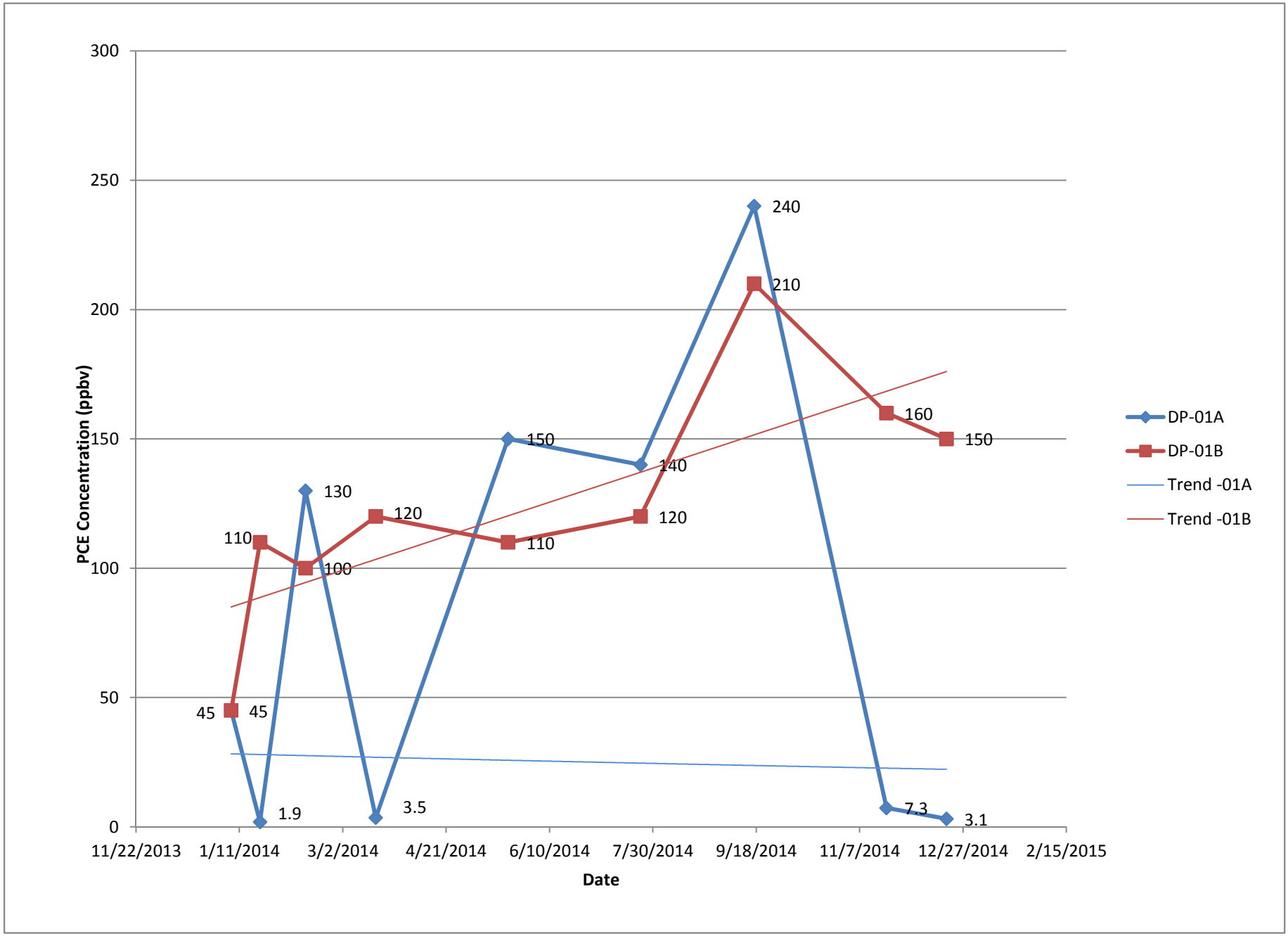

Figure 9

DP-02A/B PCE Concentrations

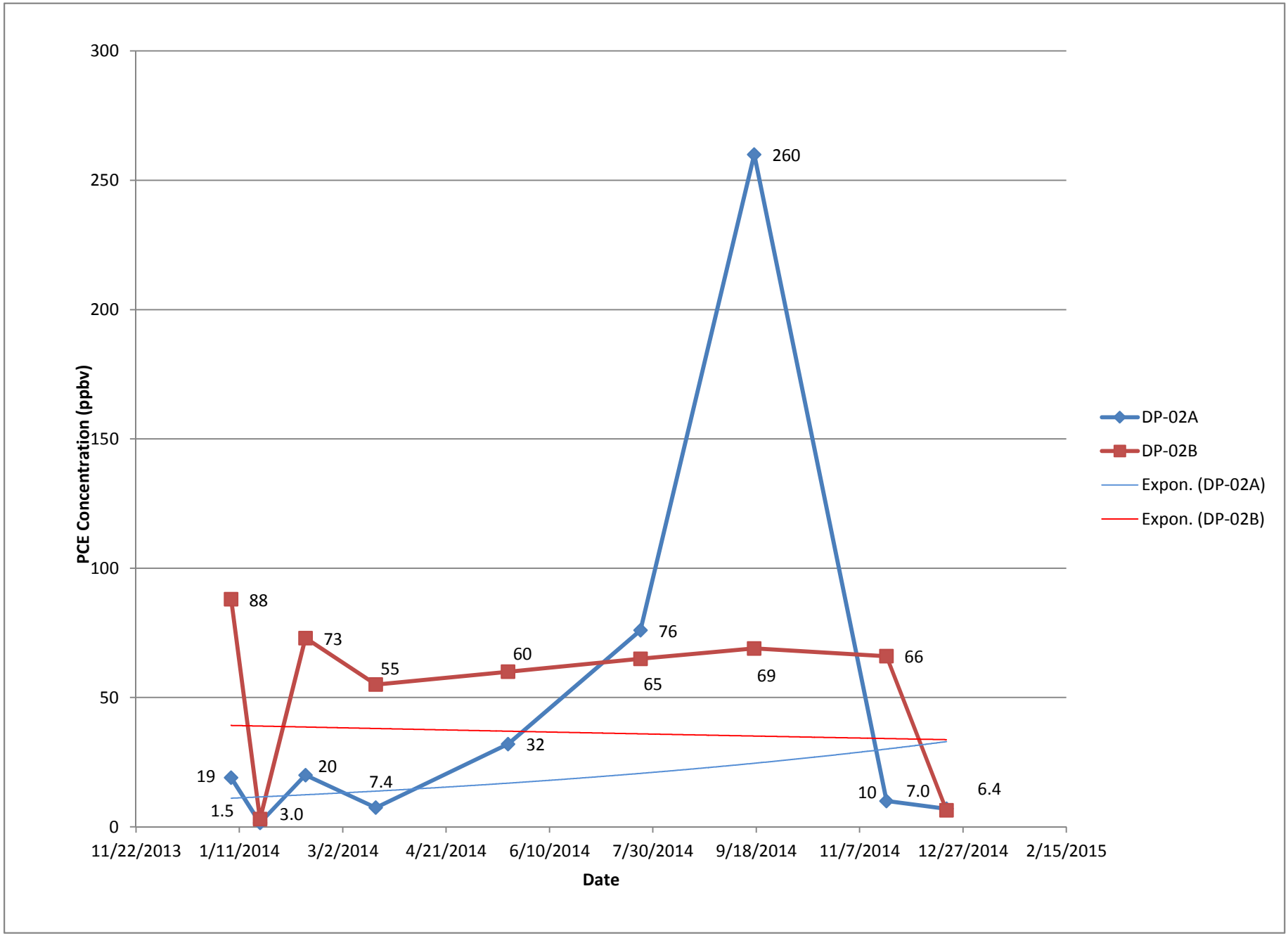

Figure 10

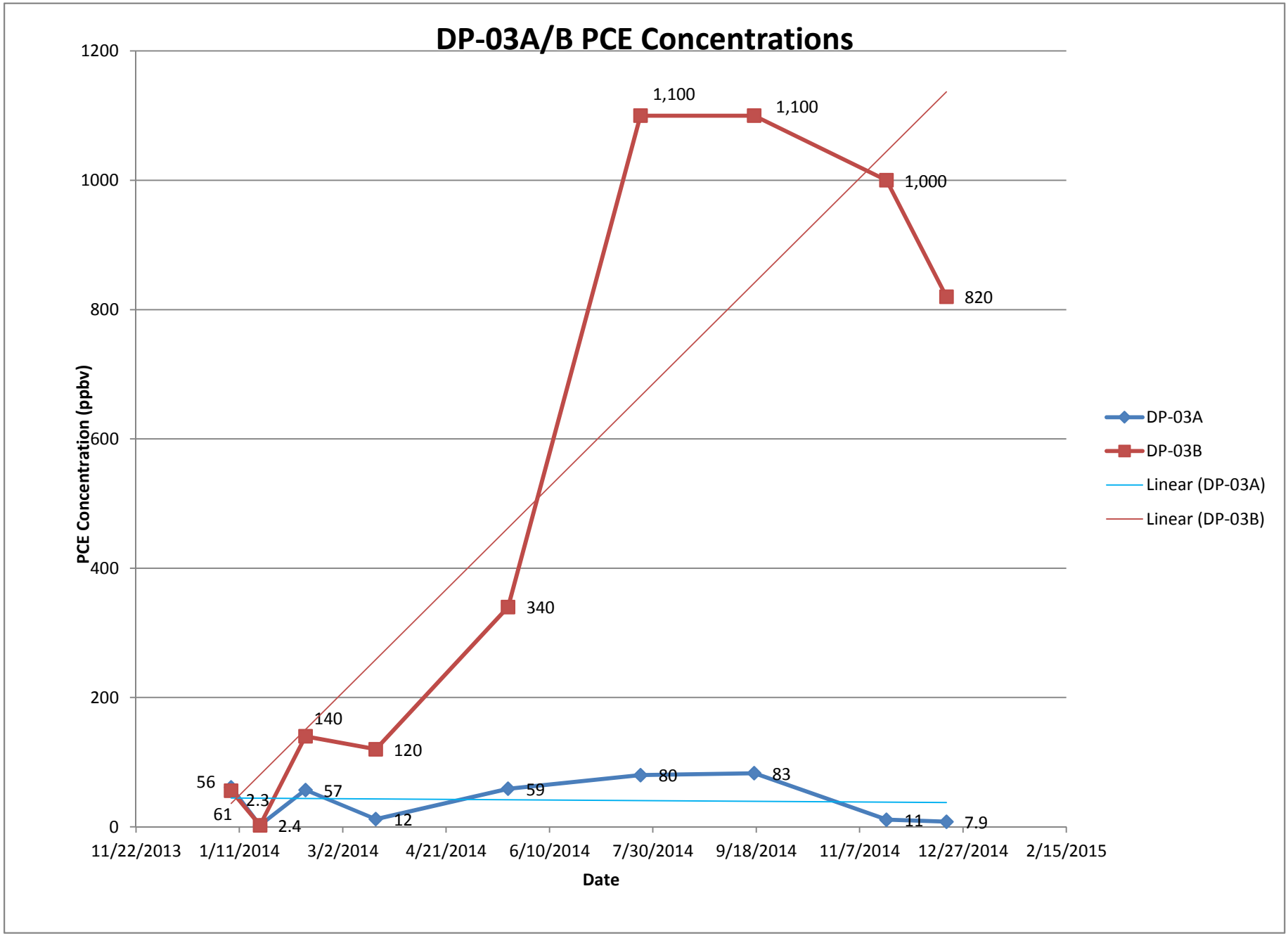
DP-03A/B PCE Concentrations
PCE Concentration (ppbv)
1200
1000
800
600
400
200
0
11/22/2013
1/11/2014
3/2/2014
4/21/2014
6/10/2014
7/30/2014
9/18/2014
11/7/2014
12/27/2014
2/15/2015
Date
1,100
1,100
1,000
820
340
140
120
56
61
2.3
2.4
57
12
59
80
83
11
7.9
DP-03A
DP-03B
Linear (DP-03A)
Linear (DP-03B)

Figure 11

DP-04A/B PCE Concentrations

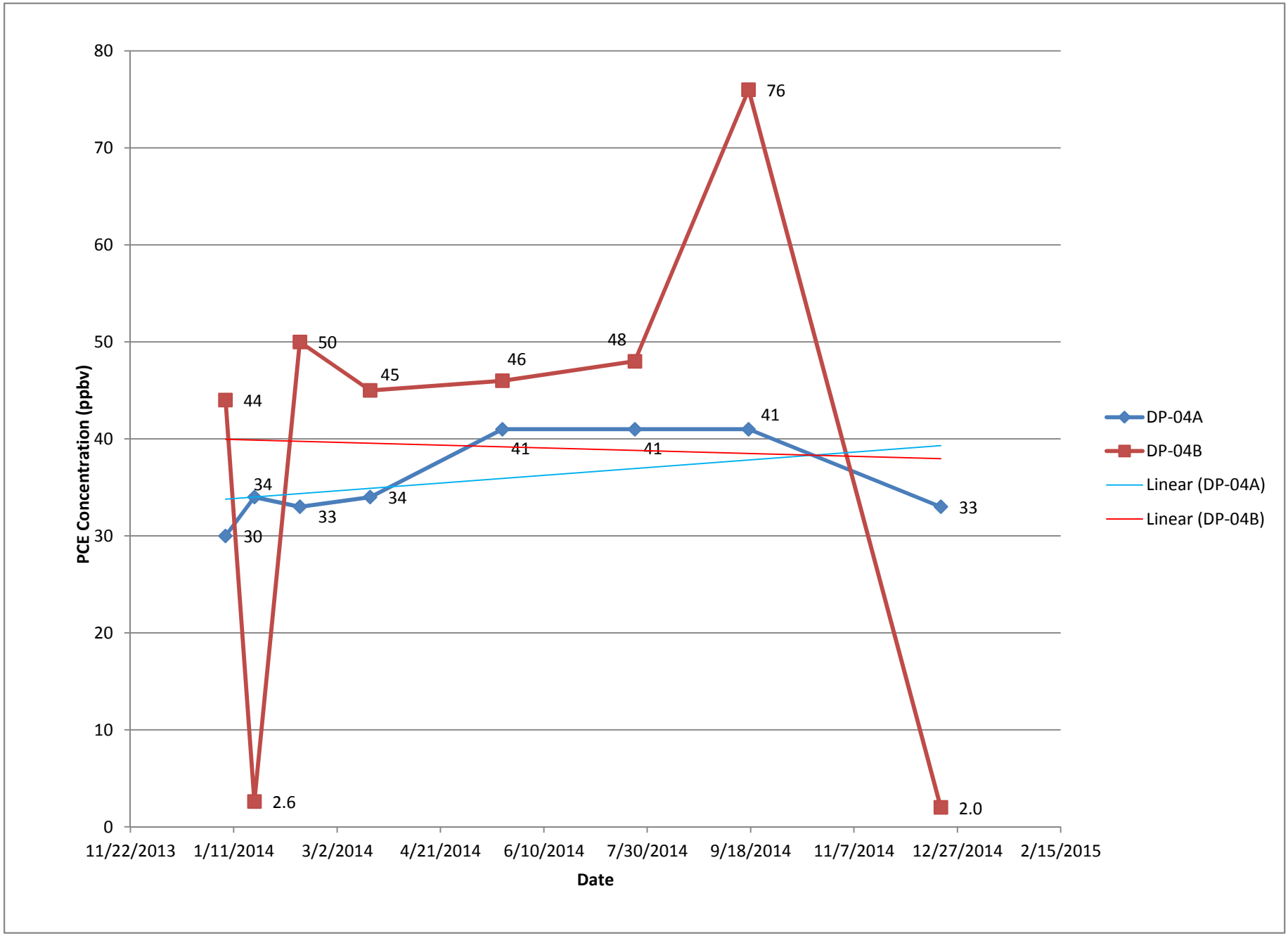

Figure 12

DP-05A/B PCE Concentrations

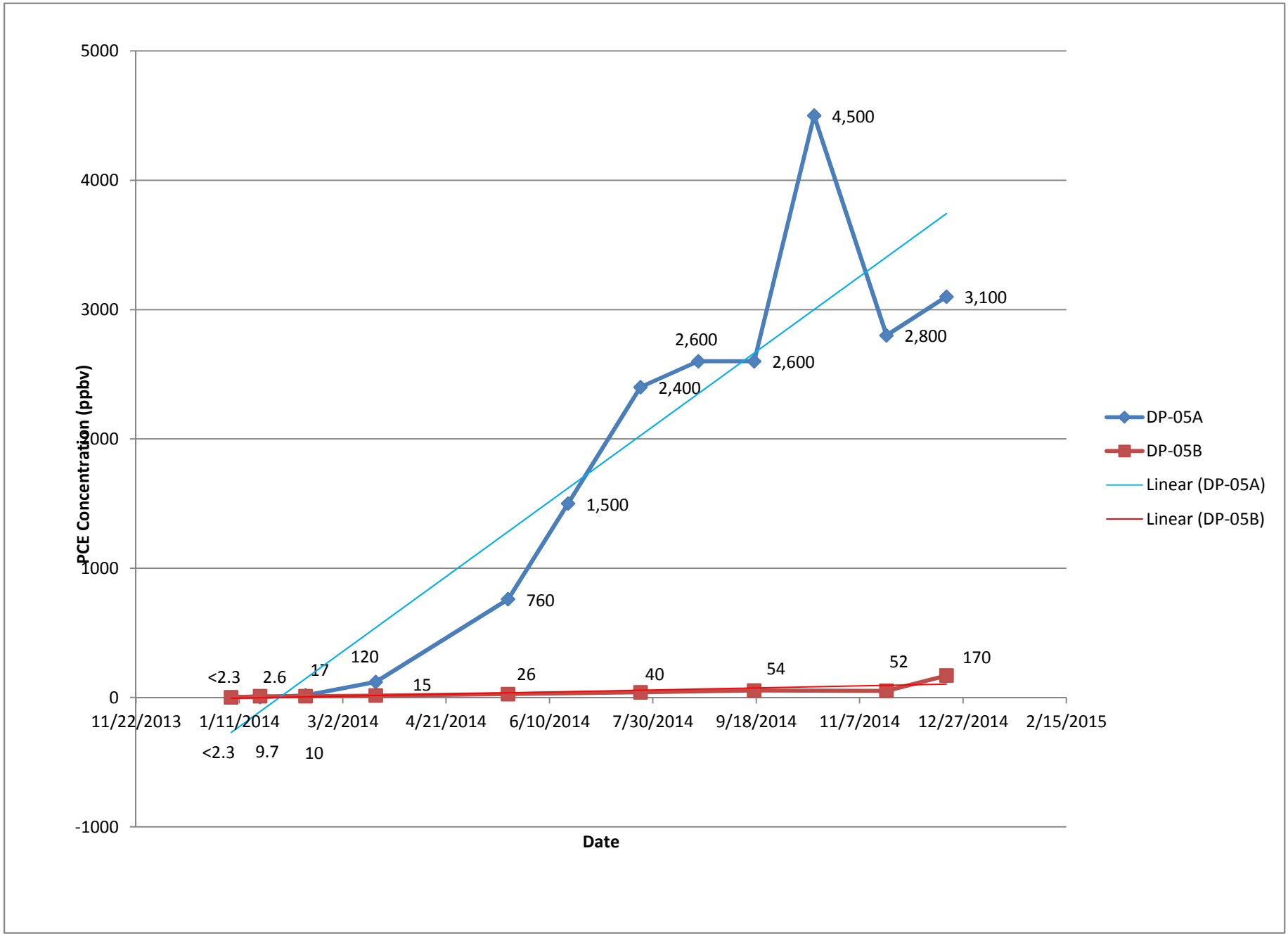

Figure 13

DP-06A/B PCE Concentrations

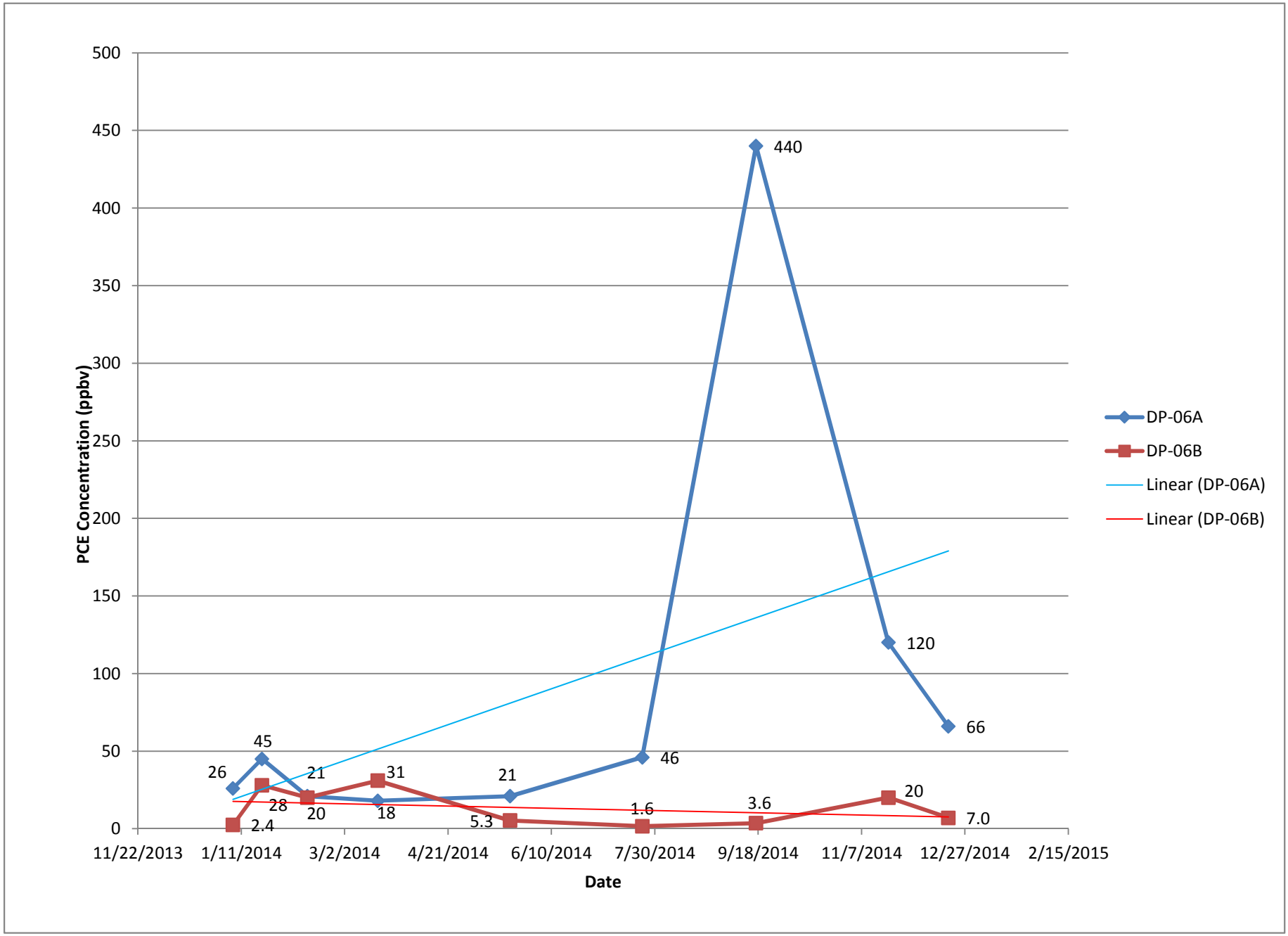

Figure 14

OSVE-10/11 PCE Concentrations

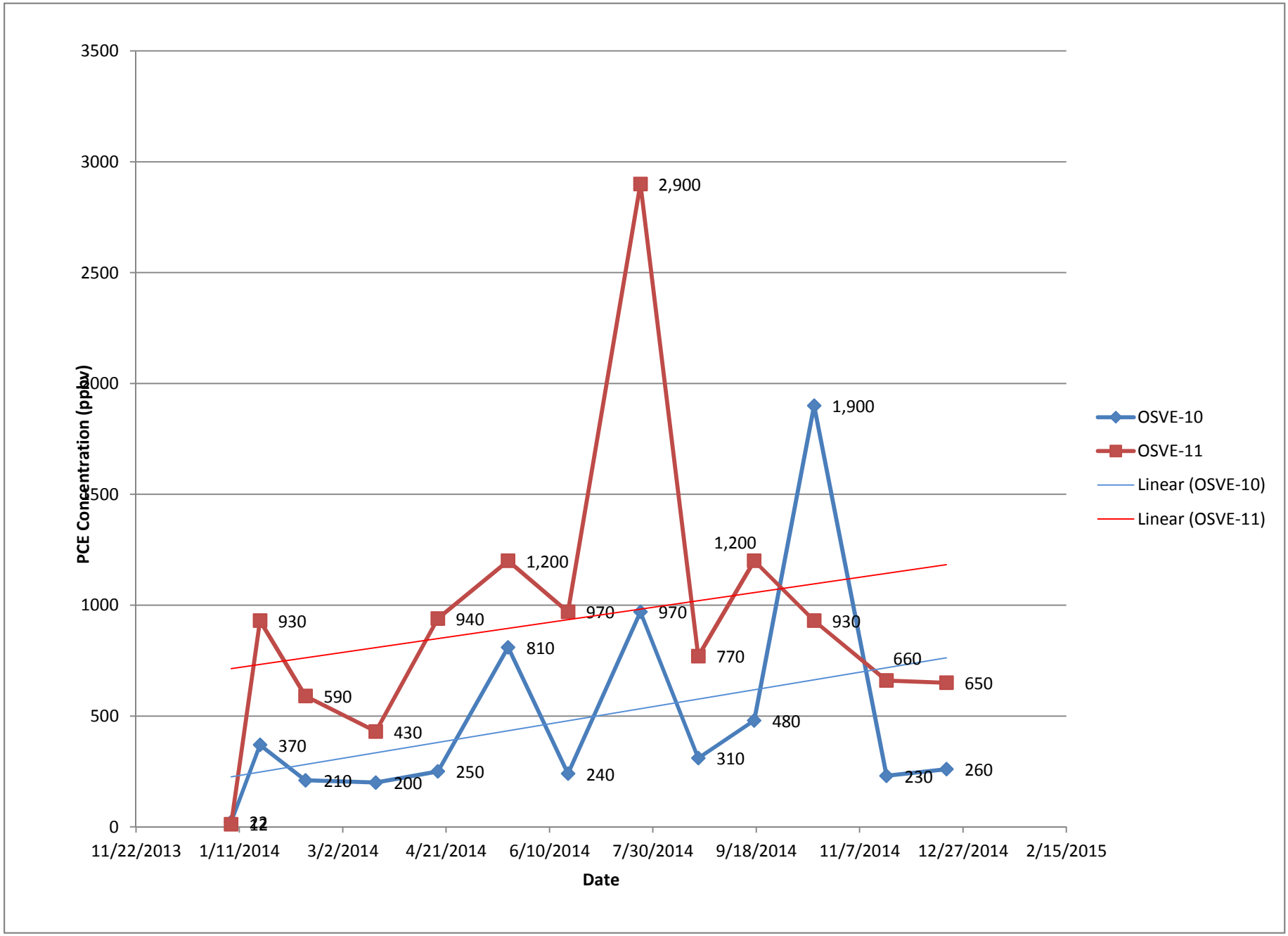

Figure 15

SVE Well
PCE Concentrations

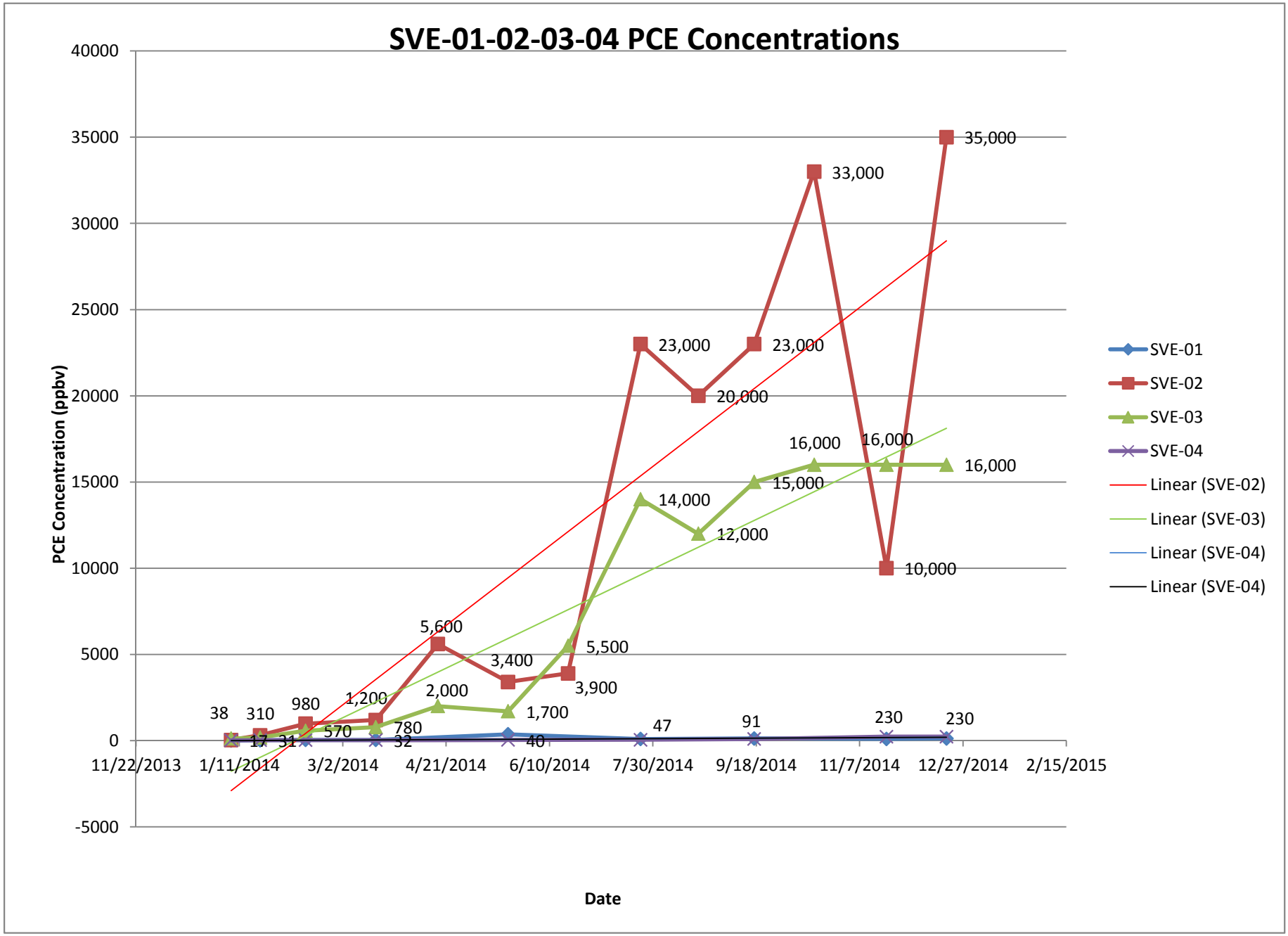

Figure 16

Attachment 1

Quality Control Summary Reports
(on CD only)

Attachment 2

Laboratory Analytical Reports
(on CD only)

Attachment 3

Results Summary
(Master Log)

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY
2014, MODESTO GROUNDWATER SUPERFUND SITE

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
931-IA-01	931-IA-01-A-24HR	GS	TO-15 SIM	NS	1/7/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	0.490	0.380	ug/m3	
						1,2-Dichloroethane	0.120	0.200	ug/m3	J
						1,2-Dichloropropane	0.190	0.230	ug/m3	J
						1,3-Butadiene	0.640	0.110	ug/m3	
						Benzene	9.20	0.160	ug/m3	J
						Carbon Tetrachloride	0.430	0.310	ug/m3	
						Chlorobenzene	0.110	0.230	ug/m3	J
						Chloroform	0.310	0.240	ug/m3	
						Hexane	27	0.170	ug/m3	J
						M,P-Xylenes	38	0.430	ug/m3	J
						Methylene Chloride	1.70	0.170	ug/m3	
						O-Xylene	14	0.220	ug/m3	J
						Styrene	1.50	0.210	ug/m3	J
						Tetrachloroethene	0.380	0.340	ug/m3	
						Toluene	83	0.190	ug/m3	J
					1/28/2014	1,3-Butadiene	1.50	0.440	ug/m3	
						Benzene	18	0.630	ug/m3	J
						Chloroform	0.610	0.960	ug/m3	J
						Hexane	39	0.690	ug/m3	J
						M,P-Xylenes	65	1.70	ug/m3	J
						Methylene Chloride	1.80	0.680	ug/m3	
						O-Xylene	19	0.860	ug/m3	J
						Styrene	1.60	0.840	ug/m3	
						Toluene	310	0.740	ug/m3	J
					4/17/2014	Benzene	2.40	0.630	ug/m3	
						Hexane	4.50	0.690	ug/m3	
						M,P-Xylenes	17	1.70	ug/m3	
						Methylene Chloride	0.580	0.680	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
931-IA-01 continued . . .										
						O-Xylene	5.80	0.860	ug/m3	
						Styrene	0.490	0.840	ug/m3	J
						Toluene	87	0.740	ug/m3	J
					5/21/2014	1,3-Butadiene	0.230	0.440	ug/m3	J
						Benzene	1.80	0.630	ug/m3	
						Hexane	3.60	0.700	ug/m3	
						M,P-Xylenes	13	1.70	ug/m3	
						Methylene Chloride	0.450	0.690	ug/m3	J
						O-Xylene	4.60	0.860	ug/m3	
						Styrene	0.460	0.850	ug/m3	J
						Toluene	240	0.750	ug/m3	J
	931-IA-01-B-24HR	GS	TO-15 SIM	FD	5/21/2014	1,3-Butadiene	0.220	0.440	ug/m3	J
						Benzene	2	0.630	ug/m3	
						Hexane	3.50	0.690	ug/m3	
						M,P-Xylenes	15	1.70	ug/m3	
						Methylene Chloride	0.430	0.680	ug/m3	J
						O-Xylene	5	0.860	ug/m3	
						Styrene	0.430	0.840	ug/m3	J
						Toluene	260	0.740	ug/m3	J
	931-IA-01-A-24HR	GS	TO-15 SIM	NS	6/19/2014	Benzene	3.20	0.630	ug/m3	
						Hexane	7.70	0.700	ug/m3	J
						M,P-Xylenes	22	1.70	ug/m3	J
						Methylene Chloride	0.470	0.690	ug/m3	J
						O-Xylene	8	0.860	ug/m3	
						Styrene	0.620	0.850	ug/m3	J
						Toluene	120	0.750	ug/m3	J
					7/24/2014	Benzene	2.70	0.630	ug/m3	
						Ethylbenzene	3.20	0.860	ug/m3	
						Hexane	5.10	0.690	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
931-IA-01 continued . . .										
						M,P-Xylenes	12	1.70	ug/m3	
						Methylene Chloride	0.430	0.680	ug/m3	J
						O-Xylene	4.20	0.860	ug/m3	
						Toluene	110	0.740	ug/m3	J
					8/21/2014	1,3-Butadiene	0.250	0.440	ug/m3	J
						Benzene	2.60	0.630	ug/m3	
						Ethylbenzene	3.40	0.860	ug/m3	
						Hexane	4.10	0.690	ug/m3	
						M,P-Xylenes	12	1.70	ug/m3	
						Methylene Chloride	0.640	0.680	ug/m3	J
						O-Xylene	4.20	0.860	ug/m3	
						Toluene	200	0.740	ug/m3	J
					9/17/2014	1,3-Butadiene	0.370	0.440	ug/m3	J
						Benzene	4.50	0.630	ug/m3	
						Ethylbenzene	5.20	0.860	ug/m3	
						Hexane	9.10	0.690	ug/m3	J
						M,P-Xylenes	20	1.70	ug/m3	J
						Methylene Chloride	0.450	0.680	ug/m3	J
						O-Xylene	6.90	0.860	ug/m3	
						Toluene	57	0.740	ug/m3	J
					10/22/2014	Benzene	2.70	1.30	ug/m3	
						Ethylbenzene	15	1.70	ug/m3	
						Hexane	4.90	1.40	ug/m3	
						M,P-Xylenes	54	3.40	ug/m3	J
						Methylene Chloride	0.820	1.40	ug/m3	J
						O-Xylene	16	1.70	ug/m3	
						Toluene	58	1.50	ug/m3	J
					12/18/2014	1,3-Butadiene	0.890	0.440	ug/m3	
						Benzene	3.50	0.630	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
931-IA-01 continued . . .										
						Ethylbenzene	3.30	0.860	ug/m3	
						Hexane	2.70	0.690	ug/m3	
						M,P-Xylenes	12	1.70	ug/m3	
						Methylene Chloride	0.640	0.680	ug/m3	J
						O-Xylene	4.40	0.860	ug/m3	
						Styrene	0.940	0.840	ug/m3	
						Toluene	850	0.740	ug/m3	J
931-SS-01	931-SS-01-A	GS	TO-15 SIM	NS	1/7/2014	Tetrachloroethene	300	40	ug/m3	
						Toluene	6	6	ug/m3	
						Trichloroethylene	9	8	ug/m3	
	931-SS-01-A	GS	TO15	NS	4/16/2014	Tetrachloroethene	660	40	ug/m3	
	931-SS-01-A	GS	TO-15 SIM	NS	4/16/2014	Benzene	0.740	0.630	ug/m3	
						Toluene	3.20	0.740	ug/m3	
						Trichloroethylene	16	7.90	ug/m3	
	931-SS-01-A	GS	TO15	NS	5/21/2014	Tetrachloroethene	900	100	ug/m3	
						Trichloroethylene	30	8	ug/m3	
					6/18/2014	Tetrachloroethene	1100	100	ug/m3	
						Toluene	4	6	ug/m3	J
						Trichloroethylene	30	8	ug/m3	
					7/24/2014	1,2-Dichlorobenzene	10	10	ug/m3	J
						Chlorobenzene	10	10	ug/m3	J
						Ethylbenzene	6	10	ug/m3	J
						M,P-Xylenes	30	20	ug/m3	
						O-Xylene	10	10	ug/m3	
						Tetrachloroethene	1200	200	ug/m3	
						Toluene	50	9	ug/m3	
						Trichloroethylene	60	10	ug/m3	
					8/21/2014	M,P-Xylenes	10	20	ug/m3	J
						O-Xylene	6	10	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
931-SS-01 continued . . .										
						Tetrachloroethene	1400	100	ug/m3	
						Toluene	20	9	ug/m3	
						Trichloroethylene	30	10	ug/m3	
					9/16/2014	1,2,4-Trimethylbenzene	10	10	ug/m3	
						1,2-Dichlorobenzene	9	20	ug/m3	J
						Ethylbenzene	70	10	ug/m3	
						M,P-Xylenes	300	20	ug/m3	
						O-Xylene	100	10	ug/m3	
						Tetrachloroethene	400	200	ug/m3	
						Toluene	200	100	ug/m3	
						Trichloroethylene	40	10	ug/m3	
					10/21/2014	Tetrachloroethene	200	40	ug/m3	
					12/17/2014	Tetrachloroethene	200	20	ug/m3	
						Toluene	5	9	ug/m3	J
	931-SS-01-B	GS	TO15	FD	12/17/2014	Tetrachloroethene	200	20	ug/m3	
						Toluene	5	9	ug/m3	J
						Trichloroethylene	7	10	ug/m3	J
939-IA-01	939-IA-01-A-24HR	GS	TO-15 SIM	NS	1/7/2014	1,3-Butadiene	0.520	0.440	ug/m3	
						Benzene	3.90	0.630	ug/m3	
						Carbon Tetrachloride	0.780	1.20	ug/m3	J
						Chloroform	0.720	0.970	ug/m3	J
						Hexane	7	0.700	ug/m3	
						M,P-Xylenes	15	1.70	ug/m3	J
						Methylene Chloride	7.70	0.690	ug/m3	J
						O-Xylene	4.10	0.860	ug/m3	J
						Styrene	0.900	0.850	ug/m3	J
						Tetrachloroethene	4.90	1.30	ug/m3	
						Toluene	38	0.750	ug/m3	J
						Trichloroethylene	1.30	1.10	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-01 continued . . .										
					1/16/2014	1,3-Butadiene	0.550	0.440	ug/m3	
						Benzene	5	0.630	ug/m3	
						Carbon Tetrachloride	0.740	1.20	ug/m3	J
						Chloroform	0.570	0.970	ug/m3	J
						Hexane	11	0.700	ug/m3	J
						M,P-Xylenes	17	1.70	ug/m3	
						Methylene Chloride	6.30	0.690	ug/m3	
						O-Xylene	5.20	0.860	ug/m3	
						Styrene	0.870	0.850	ug/m3	
						Tetrachloroethene	3.80	1.30	ug/m3	
						Toluene	30	0.750	ug/m3	J
						Trichloroethylene	0.790	1.10	ug/m3	J
					1/21/2014	1,3-Butadiene	0.510	0.440	ug/m3	
						Benzene	5	0.630	ug/m3	
						Carbon Tetrachloride	0.850	1.20	ug/m3	J
						Chloroform	0.820	0.970	ug/m3	J
						Hexane	12	0.700	ug/m3	J
						M,P-Xylenes	56	1.70	ug/m3	J
						Methylene Chloride	84	0.690	ug/m3	J
						O-Xylene	19	0.860	ug/m3	J
						Styrene	1.20	0.850	ug/m3	
						Tetrachloroethene	4.20	1.30	ug/m3	
						Toluene	46	0.750	ug/m3	J
						Trichloroethylene	0.780	1.10	ug/m3	J
					1/28/2014	1,1-Dichloroethane	1.20	0.800	ug/m3	
						1,2-Dichloroethane	0.570	0.800	ug/m3	J
						1,2-Dichloropropane	2.10	0.910	ug/m3	
						1,3-Butadiene	0.690	0.440	ug/m3	
						Benzene	170	0.630	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-01 continued . . .										
						Carbon Tetrachloride	1.10	1.20	ug/m3	J
						Chloroform	1	0.960	ug/m3	
						Hexane	710	0.690	ug/m3	J
						M,P-Xylenes	360	1.70	ug/m3	J
						Methylene Chloride	7.80	0.680	ug/m3	J
						O-Xylene	250	0.860	ug/m3	J
						Styrene	14	0.840	ug/m3	J
						Tetrachloroethene	6.40	1.30	ug/m3	
						Toluene	390	0.740	ug/m3	J
						Trichloroethylene	0.980	1.10	ug/m3	J
					2/12/2014	1,3-Butadiene	0.320	0.440	ug/m3	J
						Benzene	12	0.630	ug/m3	J
						Carbon Tetrachloride	0.780	1.20	ug/m3	J
						Chloroform	0.500	0.970	ug/m3	J
						Hexane	49	0.700	ug/m3	J
						M,P-Xylenes	73	1.70	ug/m3	J
						Methylene Chloride	5.30	0.690	ug/m3	
						O-Xylene	23	0.860	ug/m3	J
						Styrene	1.50	0.850	ug/m3	
						Tetrachloroethene	5.60	1.30	ug/m3	
						Toluene	110	0.750	ug/m3	J
						Trichloroethylene	0.870	1.10	ug/m3	J
					3/18/2014	Benzene	1.50	0.630	ug/m3	
						Carbon Tetrachloride	0.690	1.20	ug/m3	J
						Hexane	4.80	0.700	ug/m3	
						M,P-Xylenes	25	1.70	ug/m3	J
						Methylene Chloride	7.10	0.690	ug/m3	
						O-Xylene	8.80	0.860	ug/m3	
						Tetrachloroethene	4.30	1.30	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-01 continued . . .										
						Toluene	28	0.750	ug/m3	J
					4/17/2014	Benzene	4	0.630	ug/m3	
						Carbon Tetrachloride	0.920	1.20	ug/m3	J
						Chloroform	0.550	0.960	ug/m3	J
						Hexane	16	0.690	ug/m3	J
						M,P-Xylenes	50	1.70	ug/m3	J
						Methylene Chloride	9.50	0.680	ug/m3	J
						O-Xylene	17	0.860	ug/m3	J
						Styrene	1.10	0.840	ug/m3	
						Tetrachloroethene	6.60	1.30	ug/m3	
						Toluene	66	0.740	ug/m3	J
						Trichloroethylene	0.610	1.10	ug/m3	J
	939-IA-01-B-24HR	GS	TO-15 SIM	FD	4/17/2014	Benzene	4	0.630	ug/m3	
						Carbon Tetrachloride	0.930	1.20	ug/m3	J
						Chloroform	0.530	0.970	ug/m3	J
						Hexane	15	0.700	ug/m3	J
						M,P-Xylenes	49	1.70	ug/m3	J
						Methylene Chloride	9.50	0.690	ug/m3	J
						O-Xylene	17	0.860	ug/m3	J
						Styrene	1.10	0.850	ug/m3	
						Tetrachloroethene	6.80	1.30	ug/m3	
						Toluene	63	0.750	ug/m3	J
						Trichloroethylene	0.590	1.10	ug/m3	J
	939-IA-01-A-24HR	GS	TO-15 SIM	NS	5/21/2014	Benzene	2.50	0.630	ug/m3	
						Carbon Tetrachloride	0.910	1.20	ug/m3	J
						Hexane	9.20	0.690	ug/m3	J
						M,P-Xylenes	42	1.70	ug/m3	J
						Methylene Chloride	5.50	0.680	ug/m3	
						O-Xylene	15	0.860	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-01 continued . . .										
						Styrene	1	0.840	ug/m3	
						Tetrachloroethene	9.30	1.30	ug/m3	
						Toluene	50	0.740	ug/m3	J
					6/19/2014	Benzene	2.20	0.630	ug/m3	
						Carbon Tetrachloride	0.820	1.20	ug/m3	J
						Hexane	9.30	0.700	ug/m3	J
						M,P-Xylenes	21	1.70	ug/m3	J
						Methylene Chloride	6.20	0.690	ug/m3	
						O-Xylene	7.40	0.860	ug/m3	
						Styrene	0.770	0.850	ug/m3	J
						Tetrachloroethene	6.20	1.30	ug/m3	
						Toluene	28	0.750	ug/m3	J
					7/24/2014	Benzene	0.860	0.630	ug/m3	
						Carbon Tetrachloride	0.700	1.20	ug/m3	J
						Ethylbenzene	1.30	0.860	ug/m3	
						Hexane	2.40	0.700	ug/m3	
						M,P-Xylenes	4.70	1.70	ug/m3	
						Methylene Chloride	4.10	0.690	ug/m3	
						O-Xylene	1.70	0.860	ug/m3	
						Tetrachloroethene	3.20	1.30	ug/m3	
						Toluene	6.10	0.750	ug/m3	
					8/21/2014	Benzene	5.80	0.630	ug/m3	
						Carbon Tetrachloride	0.830	1.20	ug/m3	J
						Ethylbenzene	14	0.860	ug/m3	J
						Hexane	18	0.700	ug/m3	J
						M,P-Xylenes	48	1.70	ug/m3	J
						Methylene Chloride	7.90	0.690	ug/m3	J
						O-Xylene	16	0.860	ug/m3	J
						Styrene	0.810	0.850	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-01 continued . . .										
						Tetrachloroethene	11	1.30	ug/m3	
						Toluene	63	0.750	ug/m3	J
	939-IA-01-B-24HR	GS	TO-15 SIM	FD	8/21/2014	Benzene	5.90	0.630	ug/m3	
						Carbon Tetrachloride	0.890	1.20	ug/m3	J
						Ethylbenzene	14	0.860	ug/m3	J
						Hexane	18	0.700	ug/m3	J
						M,P-Xylenes	48	1.70	ug/m3	J
						Methylene Chloride	7.60	0.690	ug/m3	J
						O-Xylene	16	0.860	ug/m3	J
						Styrene	0.860	0.850	ug/m3	J-
						Tetrachloroethene	11	1.30	ug/m3	
						Toluene	61	0.750	ug/m3	J
	939-IA-01-A-24HR	GS	TO-15 SIM	NS	9/17/2014	Benzene	1.90	0.630	ug/m3	
						Carbon Tetrachloride	1	1.20	ug/m3	J
						Ethylbenzene	8.70	0.860	ug/m3	
						Hexane	6.80	0.690	ug/m3	
						M,P-Xylenes	33	1.70	ug/m3	J
						Methylene Chloride	7.10	0.680	ug/m3	
						O-Xylene	11	0.860	ug/m3	J
						Tetrachloroethene	8.90	1.30	ug/m3	
						Toluene	21	0.740	ug/m3	J
	939-IA-01-B-24HR	GS	TO-15 SIM	FD	9/17/2014	Benzene	2	0.630	ug/m3	
						Carbon Tetrachloride	1.30	1.20	ug/m3	
						Ethylbenzene	8.80	0.860	ug/m3	
						Hexane	6.90	0.700	ug/m3	
						M,P-Xylenes	34	1.70	ug/m3	J
						Methylene Chloride	6.80	0.690	ug/m3	
						O-Xylene	11	0.860	ug/m3	J
						Tetrachloroethene	8.80	1.30	ug/m3	

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-01 continued . . .										
						Toluene	21	0.750	ug/m3	J
	939-IA-01-A-24HR	GS	TO-15 SIM	NS	10/22/2014	Benzene	1.30	0.630	ug/m3	
						Carbon Tetrachloride	0.940	1.20	ug/m3	J
						Ethylbenzene	5.70	0.860	ug/m3	
						Hexane	2.70	0.690	ug/m3	
						M,P-Xylenes	23	1.70	ug/m3	J
						Methylene Chloride	3.80	0.680	ug/m3	
						O-Xylene	6.90	0.860	ug/m3	
						Tetrachloroethene	4.50	1.30	ug/m3	
						Toluene	24	0.740	ug/m3	J
					11/20/2014	Benzene	4.20	0.630	ug/m3	
						Carbon Tetrachloride	0.720	1.20	ug/m3	J
						Ethylbenzene	14	0.860	ug/m3	J
						Hexane	9.80	0.690	ug/m3	J
						M,P-Xylenes	53	1.70	ug/m3	J
						Methylene Chloride	10	0.680	ug/m3	J
						O-Xylene	17	0.860	ug/m3	J
						Styrene	2.60	0.840	ug/m3	
						Tetrachloroethene	5.50	1.30	ug/m3	
						Toluene	46	0.740	ug/m3	J
						Trichloroethylene	1.30	1.10	ug/m3	
					12/18/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	1.10	1.50	ug/m3	J
						Benzene	5.20	0.630	ug/m3	
						Carbon Tetrachloride	1.40	1.20	ug/m3	J
						Chloroform	0.640	0.960	ug/m3	J
						Ethylbenzene	18	0.860	ug/m3	J
						Hexane	39	0.690	ug/m3	J
						M,P-Xylenes	82	1.70	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-01 continued . . .										
						Methylene Chloride	5.30	0.680	ug/m3	J
						O-Xylene	27	0.860	ug/m3	J
						Styrene	1.50	0.840	ug/m3	
						Tetrachloroethene	8.20	1.30	ug/m3	
						Toluene	78	0.740	ug/m3	J
						Trichloroethylene	2.70	1.10	ug/m3	
	939-IA-01-B-24HR	GS	TO-15 SIM	FD	12/18/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	0.970	1.50	ug/m3	J
						Benzene	5.90	0.630	ug/m3	
						Carbon Tetrachloride	1.10	1.20	ug/m3	J
						Chloroform	0.610	0.960	ug/m3	J
						Ethylbenzene	21	0.860	ug/m3	J
						Hexane	40	0.690	ug/m3	J
						M,P-Xylenes	99	1.70	ug/m3	J
						Methylene Chloride	5.70	0.680	ug/m3	
						O-Xylene	32	0.860	ug/m3	J
						Styrene	1.80	0.840	ug/m3	
						Tetrachloroethene	7.20	1.30	ug/m3	
						Toluene	87	0.740	ug/m3	J
						Trichloroethylene	2.70	1.10	ug/m3	
939-IA-03	939-IA-03-A-24HR	GS	TO-15 SIM	NS	1/7/2014	1,3-Butadiene	0.440	0.440	ug/m3	
						Benzene	4.90	0.630	ug/m3	
						Chloroform	0.580	0.960	ug/m3	J
						Hexane	12	0.690	ug/m3	J
						M,P-Xylenes	23	1.70	ug/m3	J
						Methylene Chloride	1.90	0.680	ug/m3	
						O-Xylene	6.30	0.860	ug/m3	J
						Styrene	0.940	0.840	ug/m3	J
						Tetrachloroethene	0.760	0.400	ug/m3	

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-03 continued . . .										
						Toluene	50	0.740	ug/m3	J
						Trichloroethylene	1.30	1.10	ug/m3	
					1/16/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	0.530	0.380	ug/m3	
						1,2-Dichloroethane	0.150	0.200	ug/m3	J
						1,3-Butadiene	0.540	0.110	ug/m3	
						Benzene	6	0.630	ug/m3	
						Carbon Tetrachloride	0.500	0.310	ug/m3	
						Chloroform	0.560	0.240	ug/m3	
						Hexane	14	0.700	ug/m3	J
						M,P-Xylenes	23	1.70	ug/m3	J
						Methylene Chloride	2.40	0.690	ug/m3	J
						O-Xylene	6.90	0.860	ug/m3	
						Styrene	0.960	0.210	ug/m3	
						Tetrachloroethene	0.930	0.340	ug/m3	
						Toluene	38	0.750	ug/m3	J
						Trichloroethylene	0.820	0.270	ug/m3	
	939-IA-03-B-24HR	GS	TO-15 SIM	FD	1/16/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	0.660	0.380	ug/m3	
						1,2-Dichloroethane	0.160	0.200	ug/m3	J
						1,3-Butadiene	0.690	0.110	ug/m3	
						Benzene	6.10	0.630	ug/m3	
						Carbon Tetrachloride	0.550	0.310	ug/m3	
						Chloroform	0.600	0.240	ug/m3	
						Hexane	14	0.690	ug/m3	J
						M,P-Xylenes	23	1.70	ug/m3	J
						Methylene Chloride	2.50	0.680	ug/m3	J
						O-Xylene	6.90	0.860	ug/m3	
						Styrene	1	0.210	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-03 continued . . .										
						Tetrachloroethene	1.10	0.330	ug/m3	
						Toluene	38	0.740	ug/m3	J
						Trichloroethylene	0.970	0.260	ug/m3	
	939-IA-03-A-24HR	GS	TO-15 SIM	NS	1/21/2014	1,3-Butadiene	0.970	0.440	ug/m3	
						Benzene	7	0.630	ug/m3	J
						Chloroform	0.870	0.970	ug/m3	J
						Hexane	18	0.700	ug/m3	J
						M,P-Xylenes	80	1.70	ug/m3	J
						Methylene Chloride	150	0.690	ug/m3	J
						O-Xylene	27	0.860	ug/m3	J
						Styrene	1.50	0.850	ug/m3	
						Tetrachloroethene	1.40	1.30	ug/m3	
						Toluene	65	0.750	ug/m3	J
						Trichloroethylene	0.990	1.10	ug/m3	J
					1/28/2014	1,1-Dichloroethane	0.480	0.800	ug/m3	J
						1,2-Dichloropropane	0.710	0.910	ug/m3	J
						1,3-Butadiene	0.750	0.440	ug/m3	
						Benzene	74	0.630	ug/m3	J
						Chloroform	1.40	0.960	ug/m3	
						Hexane	300	0.690	ug/m3	J
						M,P-Xylenes	310	1.70	ug/m3	J
						Methylene Chloride	4.60	0.680	ug/m3	
						O-Xylene	180	0.860	ug/m3	J
						Styrene	7.20	0.840	ug/m3	
						Tetrachloroethene	1.80	1.30	ug/m3	
						Toluene	340	0.740	ug/m3	J
						Trichloroethylene	1.30	1.10	ug/m3	
					2/12/2014	1,3-Butadiene	0.610	0.440	ug/m3	
						Benzene	9.40	0.630	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-03 continued . . .										
						Carbon Tetrachloride	0.620	1.20	ug/m3	J
						Chloroform	0.630	0.970	ug/m3	J
						Hexane	43	0.700	ug/m3	J
						M,P-Xylenes	34	1.70	ug/m3	J
						Methylene Chloride	7.50	0.690	ug/m3	
						O-Xylene	11	0.860	ug/m3	J
						Styrene	1.10	0.850	ug/m3	
						Tetrachloroethene	1.10	1.30	ug/m3	J
						Toluene	68	0.750	ug/m3	J
						Trichloroethylene	1	1.10	ug/m3	J
					3/18/2014	Benzene	1.20	0.630	ug/m3	
						Hexane	2.80	0.700	ug/m3	
						M,P-Xylenes	11	1.70	ug/m3	
						Methylene Chloride	16	0.690	ug/m3	J
						O-Xylene	3.70	0.860	ug/m3	
						Toluene	15	0.750	ug/m3	J
					4/17/2014	Benzene	2.90	0.630	ug/m3	
						Hexane	29	0.700	ug/m3	J
						M,P-Xylenes	27	1.70	ug/m3	J
						Methylene Chloride	7.10	0.690	ug/m3	
						O-Xylene	9.20	0.860	ug/m3	
						Styrene	0.940	0.850	ug/m3	
						Toluene	190	0.750	ug/m3	J
					5/21/2014	Benzene	2.50	0.630	ug/m3	
						Hexane	8.10	0.690	ug/m3	J
						M,P-Xylenes	28	1.70	ug/m3	J
						Methylene Chloride	4.10	0.680	ug/m3	
						O-Xylene	10	0.860	ug/m3	J
						Styrene	0.570	0.840	ug/m3	J

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-03 continued . . .										
						Tetrachloroethene	0.880	1.30	ug/m3	J
						Toluene	33	0.740	ug/m3	J
					6/19/2014	Benzene	2	0.630	ug/m3	
						Hexane	8.20	0.700	ug/m3	J
						M,P-Xylenes	20	1.70	ug/m3	J
						Methylene Chloride	3.50	0.690	ug/m3	
						O-Xylene	7	0.860	ug/m3	
						Styrene	0.660	0.850	ug/m3	J
						Tetrachloroethene	0.940	1.30	ug/m3	J
						Toluene	26	0.750	ug/m3	J
					7/24/2014	Benzene	1.30	0.630	ug/m3	
						Ethylbenzene	2	0.860	ug/m3	
						Hexane	3.50	0.700	ug/m3	
						M,P-Xylenes	7.30	1.70	ug/m3	
						Methylene Chloride	2.80	0.690	ug/m3	
						O-Xylene	2.40	0.860	ug/m3	
						Toluene	11	0.750	ug/m3	J
					8/21/2014	Benzene	1.10	0.630	ug/m3	
						Ethylbenzene	1.80	0.850	ug/m3	
						Hexane	2.70	0.690	ug/m3	
						M,P-Xylenes	6.10	1.70	ug/m3	
						Methylene Chloride	2.60	0.680	ug/m3	
						O-Xylene	2.10	0.850	ug/m3	
						Tetrachloroethene	0.700	1.30	ug/m3	J
						Toluene	8.50	0.740	ug/m3	J
					9/17/2014	Benzene	1.90	0.630	ug/m3	
						Ethylbenzene	3.20	0.860	ug/m3	
						Hexane	4.90	0.690	ug/m3	
						M,P-Xylenes	12	1.70	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-03 continued . . .										
						Methylene Chloride	2.50	0.680	ug/m3	
						O-Xylene	4.10	0.860	ug/m3	
						Toluene	16	0.740	ug/m3	J
					10/22/2014	Benzene	1.20	0.630	ug/m3	
						Carbon Tetrachloride	0.670	1.20	ug/m3	J
						Ethylbenzene	2.50	0.860	ug/m3	
						Hexane	2.40	0.690	ug/m3	
						M,P-Xylenes	8.50	1.70	ug/m3	
						Methylene Chloride	2.50	0.680	ug/m3	
						O-Xylene	2.90	0.860	ug/m3	
						Tetrachloroethene	0.890	1.30	ug/m3	J
						Toluene	42	0.740	ug/m3	J
					11/20/2014	Benzene	4.20	0.630	ug/m3	
						Ethylbenzene	12	0.860	ug/m3	J
						Hexane	11	0.690	ug/m3	J
						M,P-Xylenes	42	1.70	ug/m3	J
						Methylene Chloride	6.30	0.680	ug/m3	
						O-Xylene	15	0.860	ug/m3	J
						Styrene	1.50	0.840	ug/m3	
						Tetrachloroethene	1.60	1.30	ug/m3	
						Toluene	37	0.740	ug/m3	J
						Trichloroethylene	1.20	1.10	ug/m3	
					12/18/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	1.10	1.50	ug/m3	J
						Benzene	8.20	0.630	ug/m3	J
						Carbon Tetrachloride	1	1.20	ug/m3	J
						Chloroform	0.600	0.960	ug/m3	J
						Ethylbenzene	26	0.860	ug/m3	J
						Hexane	72	0.690	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-IA-03 continued . . .										
						M,P-Xylenes	110	1.70	ug/m3	J
						Methylene Chloride	2.90	0.680	ug/m3	J
						O-Xylene	39	0.860	ug/m3	J
						Styrene	1.80	0.840	ug/m3	
						Tetrachloroethene	2.40	1.30	ug/m3	
						Toluene	130	0.740	ug/m3	J
						Trichloroethylene	2	1.10	ug/m3	
939-SS-01	939-SS-01-A	GS	TO15	NS	1/7/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	0.390	0.450	ug/m3	J
						1,2-Dichlorobenzene	0.220	0.350	ug/m3	J
						Benzene	0.470	0.190	ug/m3	
						Carbon Tetrachloride	0.360	0.370	ug/m3	J
						Chloroform	0.510	0.290	ug/m3	
						Hexane	0.750	0.210	ug/m3	
						M,P-Xylenes	1.30	0.510	ug/m3	J
						Methylene Chloride	0.610	0.200	ug/m3	
						O-Xylene	0.420	0.260	ug/m3	J
						Tetrachloroethene	17	2.70	ug/m3	
						Toluene	2.60	0.220	ug/m3	J
						Trichloroethylene	2	0.320	ug/m3	
	939-SS-01-A	GS	TO-15 SIM	NS	1/15/2014	Tetrachloroethene	35	5	ug/m3	
						Toluene	0.820	0.740	ug/m3	
						Trichloroethylene	2	1.10	ug/m3	
					1/20/2014	Hexane	0.410	0.690	ug/m3	J
						M,P-Xylenes	1	1.70	ug/m3	J
						Methylene Chloride	0.350	0.680	ug/m3	J
						Tetrachloroethene	41	5	ug/m3	
						Toluene	1.50	0.740	ug/m3	
						Trichloroethylene	2.10	1.10	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-SS-01 continued . . .										
					1/27/2014	Benzene	1.60	0.630	ug/m3	
						Chloroform	0.520	0.960	ug/m3	J
						Hexane	3.20	0.690	ug/m3	
						M,P-Xylenes	6.20	1.70	ug/m3	
						Methylene Chloride	1.20	0.680	ug/m3	
						O-Xylene	2.10	0.860	ug/m3	
						Trichloroethylene	2.60	1.10	ug/m3	
					2/12/2014	Benzene	1.90	3.80	ug/m3	J
						Hexane	3.90	4.20	ug/m3	J
						M,P-Xylenes	6.60	10	ug/m3	J
						Methylene Chloride	2.10	4.10	ug/m3	J
						O-Xylene	2.60	5.20	ug/m3	J
						Tetrachloroethene	14	1.30	ug/m3	
						Toluene	10	4.50	ug/m3	
						Trichloroethylene	15	6.40	ug/m3	
					3/17/2014	Methylene Chloride	3.10	0.680	ug/m3	
						Tetrachloroethene	85	10	ug/m3	
						Trichloroethylene	2.30	1.10	ug/m3	
	939-SS-01-A	GS	TO15	NS	4/16/2014	Tetrachloroethene	130	10	ug/m3	
	939-SS-01-A	GS	TO-15 SIM	NS	4/16/2014	Methylene Chloride	0.920	0.680	ug/m3	
						Trichloroethylene	2.70	1.10	ug/m3	
	939-SS-01-A	GS	TO15	NS	5/21/2014	Tetrachloroethene	200	10	ug/m3	
	939-SS-01-A	GS	TO-15 SIM	NS	5/21/2014	Trichloroethylene	2.70	3.20	ug/m3	J
	939-SS-01-A	GS	TO15	NS	6/18/2014	Methylene Chloride	3	5	ug/m3	J
						Tetrachloroethene	200	10	ug/m3	
					7/24/2014	Chlorobenzene	8	10	ug/m3	J
						M,P-Xylenes	20	20	ug/m3	
						O-Xylene	10	10	ug/m3	J
						Tetrachloroethene	200	20	ug/m3	

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-SS-01 continued . . .										
						Toluene	30	9	ug/m3	
					8/21/2014	M,P-Xylenes	10	20	ug/m3	J
						Methylene Chloride	4	9	ug/m3	J
						O-Xylene	6	10	ug/m3	J
						Tetrachloroethene	60	20	ug/m3	
						Toluene	30	9	ug/m3	
					9/16/2014	1,2,4-Trimethylbenzene	10	10	ug/m3	
						Ethylbenzene	40	10	ug/m3	
						M,P-Xylenes	200	20	ug/m3	
						O-Xylene	70	10	ug/m3	
						Tetrachloroethene	60	20	ug/m3	
						Toluene	300	30	ug/m3	
					10/21/2014	No Analytes Detected				
					11/20/2014	O-Xylene	5	9	ug/m3	J
						Tetrachloroethene	20	10	ug/m3	
						Toluene	20	8	ug/m3	
					12/17/2014	Methylene Chloride	4	8	ug/m3	J
						Tetrachloroethene	20	10	ug/m3	
939-SS-02	939-SS-02-A	GS	TO-15 SIM	NS	1/7/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	0.380	0.420	ug/m3	J
						1,2-Dichlorobenzene	0.190	0.330	ug/m3	J
						Benzene	0.220	0.170	ug/m3	
						Carbon Tetrachloride	0.360	0.340	ug/m3	
						Chloroform	0.470	0.270	ug/m3	
						Hexane	0.250	0.190	ug/m3	
						M,P-Xylenes	0.510	0.470	ug/m3	J
						Methylene Chloride	0.470	0.190	ug/m3	
						O-Xylene	0.190	0.240	ug/m3	J
						Tetrachloroethene	1.70	0.370	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-SS-02 continued . . .										
						Toluene	2.30	0.200	ug/m3	J
						Trichloroethylene	1.20	0.290	ug/m3	
	939-SS-02-B	GS	TO-15 SIM	FD	1/7/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	0.370	0.380	ug/m3	J
						1,2-Dichlorobenzene	0.200	0.300	ug/m3	J
						Benzene	0.170	0.160	ug/m3	
						Carbon Tetrachloride	0.350	0.310	ug/m3	
						Chloroform	0.460	0.240	ug/m3	
						Hexane	0.200	0.170	ug/m3	
						M,P-Xylenes	0.350	0.430	ug/m3	J
						Methylene Chloride	0.430	0.430	ug/m3	
						O-Xylene	0.140	0.220	ug/m3	J
						Tetrachloroethene	1.70	0.340	ug/m3	
						Toluene	1.70	0.190	ug/m3	
						Trichloroethylene	1.20	0.270	ug/m3	
	939-SS-02-A	GS	TO-15 SIM	NS	1/15/2014	Tetrachloroethene	3.80	1.30	ug/m3	
						Toluene	1.10	0.750	ug/m3	
						Trichloroethylene	0.760	1.10	ug/m3	J
					1/20/2014	Tetrachloroethene	7.10	1.30	ug/m3	
						Toluene	1.40	0.740	ug/m3	
						Trichloroethylene	0.650	1.10	ug/m3	J
					1/27/2014	Benzene	0.810	0.630	ug/m3	
						Hexane	4.40	0.690	ug/m3	
						M,P-Xylenes	3.30	1.70	ug/m3	
						O-Xylene	1.10	0.860	ug/m3	
						Tetrachloroethene	12	1.30	ug/m3	
						Toluene	7.90	0.740	ug/m3	J
					2/12/2014	Benzene	0.400	0.630	ug/m3	J
						Hexane	1.20	0.700	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-SS-02 continued . . .										
						M,P-Xylenes	1.80	1.70	ug/m3	
						Methylene Chloride	1.60	0.690	ug/m3	
						O-Xylene	0.540	0.860	ug/m3	J
						Tetrachloroethene	22	4	ug/m3	
						Toluene	4.30	0.750	ug/m3	
					3/17/2014	Tetrachloroethene	50	8.10	ug/m3	
						Toluene	0.620	0.750	ug/m3	J
					4/16/2014	Tetrachloroethene	53	10	ug/m3	
	939-SS-02-A	GS	TO15	NS	5/21/2014	Tetrachloroethene	60	10	ug/m3	
	939-SS-02-A	GS	TO-15 SIM	NS	5/21/2014	No Analytes Detected				
	939-SS-02-A	GS	TO15	NS	6/18/2014	Tetrachloroethene	60	10	ug/m3	
					7/24/2014	M,P-Xylenes	20	20	ug/m3	J
						O-Xylene	7	10	ug/m3	J
						Tetrachloroethene	80	20	ug/m3	
						Toluene	20	9	ug/m3	
					8/21/2014	Chlorobenzene	20	20	ug/m3	
						Tetrachloroethene	100	30	ug/m3	
						Toluene	30	10	ug/m3	
					9/16/2014	1,2,4-Trimethylbenzene	10	10	ug/m3	J
						Ethylbenzene	40	10	ug/m3	J
						M,P-Xylenes	200	20	ug/m3	J
						O-Xylene	60	10	ug/m3	J
						Tetrachloroethene	30	20	ug/m3	J
						Toluene	200	30	ug/m3	
					10/21/2014	No Analytes Detected				
					11/20/2014	Tetrachloroethene	10	20	ug/m3	J
						Toluene	10	9	ug/m3	
	939-SS-02-B	GS	TO15	FD	11/20/2014	Tetrachloroethene	10	20	ug/m3	J
						Toluene	10	9	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
939-SS-02 continued . . .										
	939-SS-02-A	GS	TO15	NS	12/17/2014	Tetrachloroethene	20	20	ug/m3	
941-IA-01	941-IA-01-A-24HR	GS	TO-15 SIM	NS	1/7/2014	1,3-Butadiene	0.380	0.440	ug/m3	J
						Benzene	2.40	0.630	ug/m3	
						Chloroform	1	0.970	ug/m3	
						Hexane	2.20	0.700	ug/m3	
						M,P-Xylenes	4.80	1.70	ug/m3	J
						Methylene Chloride	0.690	0.690	ug/m3	
						O-Xylene	1.70	0.860	ug/m3	J
						Styrene	0.430	0.850	ug/m3	J
						Tetrachloroethene	2	1.30	ug/m3	
						Toluene	21	0.750	ug/m3	J
						Trichloroethylene	7.30	1.10	ug/m3	
					1/16/2014	1,3-Butadiene	0.530	0.440	ug/m3	
						Benzene	3.20	0.630	ug/m3	
						Chloroform	1.10	0.960	ug/m3	
						Hexane	2.90	0.690	ug/m3	
						M,P-Xylenes	7.10	1.70	ug/m3	
						Methylene Chloride	1.50	1.50	ug/m3	J
						O-Xylene	2.30	0.860	ug/m3	
						Styrene	0.610	0.840	ug/m3	J
						Tetrachloroethene	4.50	1.30	ug/m3	
						Toluene	15	0.740	ug/m3	J
						Trichloroethylene	7.50	1.10	ug/m3	
					1/21/2014	1,3-Butadiene	0.720	0.440	ug/m3	
						Benzene	3.30	0.630	ug/m3	
						Chloroform	0.890	0.970	ug/m3	J
						Hexane	4.30	0.700	ug/m3	
						M,P-Xylenes	18	1.70	ug/m3	J
						Methylene Chloride	58	0.690	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-IA-01 continued . . .										
						O-Xylene	6.10	0.860	ug/m3	
						Styrene	0.590	0.850	ug/m3	J
						Tetrachloroethene	5.60	1.30	ug/m3	
						Toluene	22	0.750	ug/m3	J
						Trichloroethylene	6.90	1.10	ug/m3	
					1/28/2014	1,3-Butadiene	0.380	0.440	ug/m3	J
						Benzene	3.90	0.630	ug/m3	
						Chloroform	1.50	0.960	ug/m3	
						Hexane	9.40	0.690	ug/m3	J
						M,P-Xylenes	18	1.70	ug/m3	J
						Methylene Chloride	0.980	0.680	ug/m3	
						O-Xylene	5.80	0.860	ug/m3	
						Styrene	0.550	0.840	ug/m3	J
						Tetrachloroethene	2.90	1.30	ug/m3	
						Toluene	42	0.740	ug/m3	J
						Trichloroethylene	3.90	1.10	ug/m3	
					2/12/2014	1,3-Butadiene	0.270	0.440	ug/m3	J
						Benzene	2	0.630	ug/m3	
						Chloroform	0.800	0.960	ug/m3	J
						Hexane	3	0.690	ug/m3	
						M,P-Xylenes	6.10	1.70	ug/m3	
						Methylene Chloride	2.10	0.680	ug/m3	
						O-Xylene	1.90	0.860	ug/m3	
						Styrene	0.440	0.840	ug/m3	J
						Tetrachloroethene	3.70	1.30	ug/m3	
						Toluene	14	0.740	ug/m3	J
						Trichloroethylene	6.70	1.10	ug/m3	
					3/18/2014	Benzene	0.530	0.630	ug/m3	J
						Chloroform	0.490	0.960	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-IA-01 continued . . .										
						Hexane	0.500	0.690	ug/m3	J
						M,P-Xylenes	1.50	1.70	ug/m3	J
						O-Xylene	0.590	0.860	ug/m3	J
						Tetrachloroethene	3.10	1.30	ug/m3	
						Toluene	3.30	0.740	ug/m3	
						Trichloroethylene	5	1.10	ug/m3	
	941-IA-01-B-24HR	GS	TO-15 SIM	FD	3/18/2014	Benzene	0.470	0.630	ug/m3	J
						Hexane	0.440	0.700	ug/m3	J
						M,P-Xylenes	1.30	1.70	ug/m3	J
						Methylene Chloride	0.790	0.690	ug/m3	
						O-Xylene	0.510	0.860	ug/m3	J
						Tetrachloroethene	3.40	1.30	ug/m3	
						Toluene	3.30	0.750	ug/m3	J
						Trichloroethylene	5.80	1.10	ug/m3	
	941-IA-01-A-24HR	GS	TO-15 SIM	NS	4/17/2014	Benzene	0.680	0.630	ug/m3	
						Hexane	12	0.700	ug/m3	J
						M,P-Xylenes	3.50	1.70	ug/m3	
						Methylene Chloride	0.850	0.690	ug/m3	
						O-Xylene	1.30	0.860	ug/m3	
						Tetrachloroethene	4.50	1.30	ug/m3	
						Toluene	160	0.750	ug/m3	J
						Trichloroethylene	9.80	1.10	ug/m3	
					5/21/2014	Benzene	0.540	0.640	ug/m3	J
						Hexane	1.10	0.700	ug/m3	
						M,P-Xylenes	3.50	1.70	ug/m3	
						Methylene Chloride	0.580	0.690	ug/m3	J
						O-Xylene	1.30	0.870	ug/m3	
						Tetrachloroethene	4.40	1.40	ug/m3	
						Toluene	6.40	0.750	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-IA-01 continued . . .										
						Trichloroethylene	9.70	1.10	ug/m3	
					6/19/2014	Benzene	0.430	0.630	ug/m3	J
						Chloroform	0.700	0.970	ug/m3	J
						Hexane	1.10	0.700	ug/m3	
						M,P-Xylenes	2.10	1.70	ug/m3	
						Methylene Chloride	0.520	0.690	ug/m3	J
						O-Xylene	0.790	0.860	ug/m3	J
						Tetrachloroethene	6	1.30	ug/m3	
						Toluene	4.10	0.750	ug/m3	
						Trichloroethylene	7.40	1.10	ug/m3	
	941-IA-01-B-24HR	GS	TO-15 SIM	FD	6/19/2014	Benzene	0.430	0.630	ug/m3	J
						Chloroform	0.700	0.960	ug/m3	J
						Hexane	0.740	0.690	ug/m3	
						M,P-Xylenes	1.70	1.70	ug/m3	
						Methylene Chloride	0.760	0.680	ug/m3	
						O-Xylene	0.630	0.860	ug/m3	J
						Tetrachloroethene	5.30	1.30	ug/m3	
						Toluene	3.20	0.740	ug/m3	
						Trichloroethylene	7.80	1.10	ug/m3	
	941-IA-01-A-24HR	GS	TO-15 SIM	NS	7/24/2014	Hexane	0.370	0.700	ug/m3	J
						Methylene Chloride	0.560	0.690	ug/m3	J
						Toluene	3.30	0.750	ug/m3	
						Trichloroethylene	1.50	1.10	ug/m3	
					8/21/2014	Benzene	0.430	0.630	ug/m3	J
						Ethylbenzene	0.530	0.860	ug/m3	J
						Hexane	0.630	0.700	ug/m3	J
						M,P-Xylenes	1.80	1.70	ug/m3	
						Methylene Chloride	0.770	0.690	ug/m3	
						O-Xylene	0.650	0.860	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-IA-01 continued . . .										
						Tetrachloroethene	4.50	1.30	ug/m3	
						Toluene	2.20	0.750	ug/m3	
						Trichloroethylene	7.50	1.10	ug/m3	
					9/17/2014	Benzene	0.440	0.630	ug/m3	J
						Ethylbenzene	0.470	0.860	ug/m3	J
						Hexane	0.740	0.700	ug/m3	
						M,P-Xylenes	1.60	1.70	ug/m3	J
						Methylene Chloride	0.520	0.690	ug/m3	J
						O-Xylene	0.610	0.860	ug/m3	J
						Tetrachloroethene	6.80	1.30	ug/m3	
						Toluene	2.10	0.750	ug/m3	
						Trichloroethylene	12	1.10	ug/m3	J
					10/22/2014	Benzene	0.470	0.800	ug/m3	J
						Ethylbenzene	0.580	1.10	ug/m3	J
						Hexane	0.480	0.880	ug/m3	J
						M,P-Xylenes	2	2.20	ug/m3	J
						Methylene Chloride	0.560	0.870	ug/m3	J
						O-Xylene	0.700	1.10	ug/m3	J
						Tetrachloroethene	7.60	1.70	ug/m3	
						Toluene	5.60	0.940	ug/m3	
						Trichloroethylene	8.40	1.30	ug/m3	
					11/20/2014	Benzene	1	0.630	ug/m3	
						Chloroform	0.780	0.960	ug/m3	J
						Ethylbenzene	2	0.850	ug/m3	
						Hexane	1.20	0.690	ug/m3	
						M,P-Xylenes	6.30	1.70	ug/m3	
						Methylene Chloride	0.640	0.680	ug/m3	J
						O-Xylene	2.20	0.850	ug/m3	
						Styrene	0.690	0.830	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-IA-01 continued . . .										
						Tetrachloroethene	5.30	1.30	ug/m3	
						Toluene	6.80	0.740	ug/m3	
						Trichloroethylene	7.90	1.10	ug/m3	
	941-IA-01-B-24HR	GS	TO-15 SIM	FD	11/20/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	0.920	1.50	ug/m3	J
						Benzene	1	0.630	ug/m3	
						Carbon Tetrachloride	0.770	1.20	ug/m3	J
						Chloroform	1	0.960	ug/m3	
						Ethylbenzene	3.10	0.850	ug/m3	
						Hexane	1.30	0.690	ug/m3	
						M,P-Xylenes	11	1.70	ug/m3	
						Methylene Chloride	0.700	0.680	ug/m3	
						O-Xylene	3.70	0.850	ug/m3	
						Styrene	0.760	0.830	ug/m3	J
						Tetrachloroethene	5.80	1.30	ug/m3	
						Toluene	11	0.740	ug/m3	J
						Trichloroethylene	8.50	1.10	ug/m3	
	941-IA-01-A-24HR	GS	TO-15 SIM	NS	12/18/2014	Benzene	1.10	0.630	ug/m3	
						Ethylbenzene	0.820	0.860	ug/m3	J
						Hexane	1.40	0.690	ug/m3	
						M,P-Xylenes	3.10	1.70	ug/m3	
						Methylene Chloride	0.520	0.680	ug/m3	J
						O-Xylene	1.10	0.860	ug/m3	
						Tetrachloroethene	3.80	1.30	ug/m3	
						Toluene	7.10	0.740	ug/m3	
						Trichloroethylene	7.50	1.10	ug/m3	
941-IA-02	941-IA-02-A-24HR	GS	TO-15 SIM	NS	1/7/2014	1,3-Butadiene	0.390	0.440	ug/m3	J
						Benzene	2.30	0.630	ug/m3	
						Chloroform	0.810	0.960	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-IA-02 continued . . .										
						Hexane	2.10	0.690	ug/m3	
						M,P-Xylenes	5.10	1.70	ug/m3	J
						O-Xylene	1.90	0.860	ug/m3	J
						Styrene	0.510	0.840	ug/m3	J
						Tetrachloroethene	1.80	1.30	ug/m3	
						Toluene	21	0.740	ug/m3	J
						Trichloroethylene	7.50	1.10	ug/m3	
					1/16/2014	1,3-Butadiene	0.660	0.440	ug/m3	
						Benzene	3.50	0.630	ug/m3	
						Chloroform	1.20	0.960	ug/m3	
						Hexane	3.30	0.690	ug/m3	
						M,P-Xylenes	7.40	1.70	ug/m3	
						O-Xylene	2.40	0.860	ug/m3	
						Styrene	0.540	0.840	ug/m3	J
						Tetrachloroethene	4.80	1.30	ug/m3	
						Toluene	14	0.740	ug/m3	J
						Trichloroethylene	9.40	1.10	ug/m3	
					1/21/2014	1,3-Butadiene	0.690	0.440	ug/m3	
						Benzene	3.30	0.630	ug/m3	
						Chloroform	0.910	0.970	ug/m3	J
						Hexane	4.50	0.700	ug/m3	
						M,P-Xylenes	21	1.70	ug/m3	J
						Methylene Chloride	97	0.690	ug/m3	J
						O-Xylene	7.20	0.860	ug/m3	
						Styrene	0.630	0.850	ug/m3	J
						Tetrachloroethene	4.90	1.30	ug/m3	
						Toluene	19	0.750	ug/m3	J
						Trichloroethylene	7.40	1.10	ug/m3	
					1/28/2014	1,3-Butadiene	0.730	0.450	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-IA-02 continued . . .										
						Benzene	6.10	0.640	ug/m3	
						Chloroform	1.90	0.980	ug/m3	
						Hexane	16	0.710	ug/m3	J
						M,P-Xylenes	29	1.70	ug/m3	J
						Methylene Chloride	2.10	0.700	ug/m3	
						O-Xylene	9	0.870	ug/m3	J
						Styrene	0.750	0.860	ug/m3	J
						Tetrachloroethene	7.20	1.40	ug/m3	
						Toluene	51	0.760	ug/m3	J
						Trichloroethylene	11	1.10	ug/m3	J
	941-IA-02-B-24HR					1,3-Butadiene	0.450	0.440	ug/m3	
						Benzene	5.60	0.630	ug/m3	
						Chloroform	2.20	0.960	ug/m3	
						Hexane	18	0.690	ug/m3	J
						M,P-Xylenes	30	1.70	ug/m3	J
						Methylene Chloride	1.30	1.30	ug/m3	
						O-Xylene	9.30	0.860	ug/m3	J
						Styrene	0.630	0.840	ug/m3	J
						Tetrachloroethene	4.60	1.30	ug/m3	
						Toluene	53	0.740	ug/m3	J
						Trichloroethylene	6	1.10	ug/m3	
	941-IA-02-A-24HR				2/12/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	0.920	1.50	ug/m3	J
						1,3-Butadiene	0.490	0.440	ug/m3	
						Benzene	3.30	0.630	ug/m3	
						Carbon Tetrachloride	0.650	1.20	ug/m3	J
						Chloroform	1.40	0.960	ug/m3	
						Hexane	6.80	0.690	ug/m3	
						M,P-Xylenes	6.40	1.70	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-IA-02 continued . . .										
						Methylene Chloride	1.30	0.680	ug/m3	
						O-Xylene	2.10	0.860	ug/m3	
						Tetrachloroethene	3.50	1.30	ug/m3	
						Toluene	14	0.740	ug/m3	J
						Trichloroethylene	11	1.10	ug/m3	
					3/18/2014	Benzene	0.570	0.630	ug/m3	J
						Hexane	0.470	0.700	ug/m3	J
						M,P-Xylenes	1.40	1.70	ug/m3	J
						O-Xylene	0.560	0.860	ug/m3	J
						Tetrachloroethene	3.30	1.30	ug/m3	
						Toluene	2.60	0.750	ug/m3	
						Trichloroethylene	5.60	1.10	ug/m3	
					4/17/2014	Benzene	0.660	0.630	ug/m3	
						Chloroform	0.530	0.960	ug/m3	J
						Hexane	5.60	0.690	ug/m3	
						M,P-Xylenes	2.80	1.70	ug/m3	
						Methylene Chloride	0.680	0.680	ug/m3	
						O-Xylene	1.10	0.860	ug/m3	
						Tetrachloroethene	4.20	1.30	ug/m3	
						Toluene	72	0.740	ug/m3	J
						Trichloroethylene	8.50	1.10	ug/m3	
					5/21/2014	Benzene	0.560	0.630	ug/m3	J
						Hexane	1.30	0.690	ug/m3	
						M,P-Xylenes	3.60	1.70	ug/m3	
						Methylene Chloride	0.510	0.680	ug/m3	J
						O-Xylene	1.30	0.860	ug/m3	
						Tetrachloroethene	4.30	1.30	ug/m3	
						Toluene	5.60	0.740	ug/m3	
						Trichloroethylene	8.20	1.10	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-IA-02 continued . . .										
					6/19/2014	Benzene	0.450	0.630	ug/m3	J
						Chloroform	0.650	0.970	ug/m3	J
						Hexane	1.20	0.700	ug/m3	
						M,P-Xylenes	2.10	1.70	ug/m3	
						Methylene Chloride	0.510	0.690	ug/m3	J
						O-Xylene	0.820	0.860	ug/m3	J
						Tetrachloroethene	5.70	1.30	ug/m3	
						Toluene	4	0.750	ug/m3	
						Trichloroethylene	8.80	1.10	ug/m3	
					7/24/2014	Benzene	0.380	0.630	ug/m3	J
						Hexane	0.730	0.690	ug/m3	
						M,P-Xylenes	1.40	1.70	ug/m3	J
						O-Xylene	0.500	0.860	ug/m3	J
						Tetrachloroethene	4.90	1.30	ug/m3	
						Toluene	2.20	0.740	ug/m3	
						Trichloroethylene	10	1.10	ug/m3	
					8/21/2014	Benzene	0.460	0.630	ug/m3	J
						Chloroform	0.510	0.970	ug/m3	J
						Ethylbenzene	0.470	0.860	ug/m3	J
						Hexane	0.700	0.700	ug/m3	
						M,P-Xylenes	1.60	1.70	ug/m3	J
						Methylene Chloride	0.610	0.690	ug/m3	J
						O-Xylene	0.600	0.860	ug/m3	J
						Tetrachloroethene	3.50	1.30	ug/m3	
						Toluene	2.30	0.750	ug/m3	
						Trichloroethylene	8.50	1.10	ug/m3	
					9/17/2014	Benzene	0.450	0.630	ug/m3	J
						Ethylbenzene	0.500	0.860	ug/m3	J
						Hexane	0.760	0.690	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-IA-02 continued . . .										
						M,P-Xylenes	1.70	1.70	ug/m3	
						Methylene Chloride	0.440	0.680	ug/m3	J
						O-Xylene	0.660	0.860	ug/m3	J
						Tetrachloroethene	6.90	1.30	ug/m3	
						Toluene	2.20	0.740	ug/m3	
						Trichloroethylene	11	1.10	ug/m3	
					10/22/2014	Benzene	0.430	0.630	ug/m3	J
						Carbon Tetrachloride	0.690	1.20	ug/m3	J
						Ethylbenzene	0.550	0.860	ug/m3	J
						Hexane	0.530	0.690	ug/m3	J
						M,P-Xylenes	1.80	1.70	ug/m3	
						Methylene Chloride	0.550	0.680	ug/m3	J
						O-Xylene	0.650	0.860	ug/m3	J
						Tetrachloroethene	6.10	1.30	ug/m3	
						Toluene	5.90	0.740	ug/m3	
						Trichloroethylene	9.80	1.10	ug/m3	
	941-IA-02-B-24HR	GS	TO-15 SIM	FD	10/22/2014	Benzene	0.450	0.780	ug/m3	J
						Ethylbenzene	0.540	1.10	ug/m3	J
						Hexane	0.540	0.860	ug/m3	J
						M,P-Xylenes	1.80	2.10	ug/m3	J
						Methylene Chloride	0.580	0.850	ug/m3	J
						O-Xylene	0.640	1.10	ug/m3	J
						Tetrachloroethene	6.20	1.70	ug/m3	
						Toluene	6.50	0.920	ug/m3	
						Trichloroethylene	10	1.30	ug/m3	
	941-IA-02-A-24HR	GS	TO-15 SIM	NS	11/20/2014	Benzene	0.820	0.630	ug/m3	
						Carbon Tetrachloride	0.660	1.20	ug/m3	J
						Chloroform	1	0.970	ug/m3	
						Ethylbenzene	2.60	0.860	ug/m3	

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-IA-02 continued . . .										
						Hexane	1.30	0.700	ug/m3	
						M,P-Xylenes	8.20	1.70	ug/m3	
						Methylene Chloride	0.550	0.690	ug/m3	J
						O-Xylene	2.70	0.860	ug/m3	
						Styrene	0.500	0.850	ug/m3	J
						Tetrachloroethene	4.30	1.30	ug/m3	
						Toluene	6.60	0.750	ug/m3	
						Trichloroethylene	8.10	1.10	ug/m3	
					12/19/2014	Benzene	1.20	0.630	ug/m3	
						Ethylbenzene	1.20	0.860	ug/m3	
						Hexane	1.30	0.690	ug/m3	
						M,P-Xylenes	4.70	1.70	ug/m3	
						Methylene Chloride	0.630	0.680	ug/m3	J
						O-Xylene	1.70	0.860	ug/m3	
						Tetrachloroethene	3.70	1.30	ug/m3	
						Toluene	8.90	0.740	ug/m3	J
						Trichloroethylene	8.20	1.10	ug/m3	
941-SS-01	941-SS-01-A	GS	TO-15 SIM	NS	1/7/2014	1,1,2-Trichloro-1,2,2-Trifluor oethane	0.480	0.380	ug/m3	
						1,2-Dichlorobenzene	0.520	0.300	ug/m3	J
						1,3-Butadiene	0.110	0.110	ug/m3	
						Benzene	0.560	0.160	ug/m3	
						Carbon Tetrachloride	0.480	0.310	ug/m3	
						Chloroform	1.50	0.240	ug/m3	
						Hexane	0.300	0.170	ug/m3	
						M,P-Xylenes	0.810	0.430	ug/m3	J
						Methylene Chloride	0.690	0.170	ug/m3	
						O-Xylene	0.320	0.210	ug/m3	J
						Styrene	0.170	0.210	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-SS-01 continued . . .										
						Tetrachloroethene	3.50	0.330	ug/m3	
						Toluene	2.50	0.190	ug/m3	J
						Trichloroethylene	6.10	0.260	ug/m3	J
					1/15/2014	Benzene	0.490	0.630	ug/m3	J
						Chloroform	1.30	0.970	ug/m3	
						Tetrachloroethene	8.70	1.30	ug/m3	
						Toluene	1	0.750	ug/m3	
						Trichloroethylene	8	1.10	ug/m3	
					1/20/2014	Benzene	0.510	0.630	ug/m3	J
						Chloroform	1.80	0.960	ug/m3	
						Hexane	0.500	0.690	ug/m3	J
						Methylene Chloride	0.470	0.680	ug/m3	J
						Tetrachloroethene	11	1.30	ug/m3	
						Toluene	0.910	0.740	ug/m3	
						Trichloroethylene	7.90	1.10	ug/m3	
	941-SS-01-B	GS	TO-15 SIM	FD	1/20/2014	Benzene	0.530	0.630	ug/m3	J
						Chloroform	1.80	0.960	ug/m3	
						Hexane	0.540	0.690	ug/m3	J
						Methylene Chloride	0.480	0.680	ug/m3	J
						Tetrachloroethene	11	1.30	ug/m3	
						Toluene	0.910	0.740	ug/m3	
						Trichloroethylene	8	1.10	ug/m3	
	941-SS-01-A	GS	TO-15 SIM	NS	1/27/2014	Benzene	0.360	0.630	ug/m3	J
						Chloroform	1.70	0.970	ug/m3	
						Hexane	0.470	0.700	ug/m3	J
						Methylene Chloride	0.700	0.690	ug/m3	
						Toluene	1.20	0.750	ug/m3	
						Trichloroethylene	8.90	1.10	ug/m3	
					2/12/2014	Chloroform	2.10	0.970	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-SS-01 continued . . .										
						Tetrachloroethene	26	4	ug/m3	
						Toluene	0.490	0.750	ug/m3	J
						Trichloroethylene	8.40	1.10	ug/m3	
					3/17/2014	Chloroform	7.20	0.960	ug/m3	
						Tetrachloroethene	150	26	ug/m3	
	941-SS-01-A	GS	TO15	NS	4/16/2014	Tetrachloroethene	420	40	ug/m3	
	941-SS-01-A	GS	TO-15 SIM	NS	4/16/2014	Chloroform	16	7.20	ug/m3	
						Trichloroethylene	20	7.90	ug/m3	
	941-SS-01-A	GS	TO15	NS	5/21/2014	Chloroform	8	7	ug/m3	
						Tetrachloroethene	400	100	ug/m3	
						Trichloroethylene	10	8	ug/m3	
					6/18/2014	Chloroform	4	7	ug/m3	J
						Tetrachloroethene	300	100	ug/m3	
						Trichloroethylene	10	8	ug/m3	
					7/24/2014	M,P-Xylenes	10	20	ug/m3	J
						O-Xylene	6	10	ug/m3	J
						Tetrachloroethene	600	200	ug/m3	
						Toluene	20	10	ug/m3	
						Trichloroethylene	20	10	ug/m3	
					8/21/2014	Chlorobenzene	10	20	ug/m3	J
						Tetrachloroethene	300	30	ug/m3	
						Toluene	30	10	ug/m3	
					9/16/2014	1,2,4-Trimethylbenzene	10	10	ug/m3	J
						Ethylbenzene	50	10	ug/m3	J
						M,P-Xylenes	200	20	ug/m3	J
						O-Xylene	80	10	ug/m3	J
						Tetrachloroethene	300	50	ug/m3	
						Toluene	200	30	ug/m3	
						Trichloroethylene	10	10	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
941-SS-01 continued . . .										
					10/21/2014	Toluene	40	70	ug/m3	J
					11/19/2014	No Analytes Detected				
	941-SS-01-A	GS	TO-15 SIM	NS	12/17/2014	Carbon Tetrachloride	0.760	1.20	ug/m3	J
						Chloroform	0.900	0.960	ug/m3	J
						M,P-Xylenes	1.10	1.70	ug/m3	J
						Methylene Chloride	0.460	0.680	ug/m3	J
						O-Xylene	0.510	0.860	ug/m3	J
						Tetrachloroethene	11	1.30	ug/m3	J
						Toluene	2.20	0.740	ug/m3	J
						Trichloroethylene	5.30	1.10	ug/m3	J
DP-1A	DP-01A-A	GS	TO15	NS	1/6/2014	Tetrachloroethene	45	6.70	ppbv	
	DP-01A-B	GS	TO15	FD	1/6/2014	Tetrachloroethene	46	6.90	ppbv	
	DP-01A-A	GS	TO15	NS	1/20/2014	Tetrachloroethene	1.90	2.20	ppbv	J
					2/11/2014	Tetrachloroethene	130	17	ppbv	
					3/17/2014	Tetrachloroethene	3.50	2.40	ppbv	
					5/20/2014	Tetrachloroethene	150	25	ppbv	
					7/23/2014	M,P-Xylenes	2.80	5.20	ppbv	J
						Tetrachloroethene	140	26	ppbv	
						Toluene	6.80	2.60	ppbv	
					9/17/2014	Ethylbenzene	4.80	2.30	ppbv	
						M,P-Xylenes	20	4.60	ppbv	
						O-Xylene	6.50	2.30	ppbv	
						Tetrachloroethene	240	23	ppbv	
						Toluene	15	2.30	ppbv	
					11/20/2014	Tetrachloroethene	7.30	2.30	ppbv	
					12/18/2014	Tetrachloroethene	3.10	2.40	ppbv	
						Toluene	1.50	2.40	ppbv	J
DP-1B	DP-01B-A	GS	TO15	NS	1/6/2014	Chloroform	2.30	2.40	ppbv	J
						Tetrachloroethene	45	7.70	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
DP-1B continued . . .										
					1/20/2014	Chloroform	3.30	2.20	ppbv	
						Tetrachloroethene	110	15	ppbv	
					2/11/2014	Chloroform	4.20	2.30	ppbv	
						Tetrachloroethene	100	20	ppbv	
	DP-01B-B	GS	TO15	FD	2/11/2014	Chloroform	4.30	2.30	ppbv	
						Tetrachloroethene	98	18	ppbv	
	DP-01B-A	GS	TO15	NS	3/17/2014	Chloroform	5	2.40	ppbv	
						Tetrachloroethene	120	24	ppbv	
					5/20/2014	Chloroform	4.30	2.40	ppbv	
						Tetrachloroethene	110	23	ppbv	
					7/23/2014	Chloroform	4.20	2.60	ppbv	
						Tetrachloroethene	120	19	ppbv	
						Toluene	4.40	2.60	ppbv	
					9/17/2014	Chloroform	3.80	2.30	ppbv	
						Ethylbenzene	2.80	2.30	ppbv	
						M,P-Xylenes	12	4.70	ppbv	
						O-Xylene	3.70	2.30	ppbv	
						Tetrachloroethene	210	23	ppbv	
						Toluene	8.40	2.30	ppbv	
					11/20/2014	Chloroform	3.70	2.30	ppbv	
						Tetrachloroethene	160	18	ppbv	
					12/18/2014	Chloroform	5	2.40	ppbv	
						Tetrachloroethene	150	24	ppbv	
DP-2A	DP-02A-A	GS	TO15	NS	1/6/2014	Tetrachloroethene	19	2.40	ppbv	
					1/20/2014	Tetrachloroethene	1.50	2.30	ppbv	J
						Toluene	1.50	2.30	ppbv	J
					2/11/2014	Tetrachloroethene	20	2.30	ppbv	
					3/17/2014	Tetrachloroethene	7.40	2.40	ppbv	
					5/20/2014	Tetrachloroethene	32	2.40	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
DP-2A continued . . .										
					7/23/2014	Tetrachloroethene	76	10	ppbv	
						Toluene	3.10	2.60	ppbv	
					9/17/2014	Chloroform	1.60	2.40	ppbv	J
						Ethylbenzene	2.60	2.40	ppbv	
						M,P-Xylenes	11	4.70	ppbv	
						O-Xylene	3.60	2.40	ppbv	
						Tetrachloroethene	260	24	ppbv	
						Toluene	6.80	2.40	ppbv	
					11/19/2014	Tetrachloroethene	10	2.30	ppbv	
					12/18/2014	Methylene Chloride	1.20	2.40	ppbv	J
						Tetrachloroethene	7	2.40	ppbv	
						Toluene	1.80	2.40	ppbv	J
DP-2B	DP-02B-A	GS	TO15	NS	1/6/2014	Chloroform	3.50	2.40	ppbv	
						Tetrachloroethene	88	19	ppbv	
					1/20/2014	Tetrachloroethene	3	2.40	ppbv	
						Toluene	1.60	2.40	ppbv	J
					2/11/2014	Chloroform	6.30	2.30	ppbv	
						Tetrachloroethene	73	5	ppbv	
					3/17/2014	Chloroform	5.10	2.40	ppbv	
						Tetrachloroethene	55	24	ppbv	
					5/20/2014	Chloroform	6.70	2.40	ppbv	
						Tetrachloroethene	60	21	ppbv	
	DP-02B-B	GS	TO15	FD	5/20/2014	Chloroform	7	2.40	ppbv	
						Tetrachloroethene	59	17	ppbv	
	DP-02B-A	GS	TO15	NS	7/23/2014	Chloroform	6.10	2.50	ppbv	
						Tetrachloroethene	65	25	ppbv	
						Toluene	2.60	2.50	ppbv	
					9/17/2014	Chloroform	3.60	2.40	ppbv	
						Ethylbenzene	1.70	2.40	ppbv	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
DP-2B continued . . .										
						M,P-Xylenes	6.60	4.80	ppbv	
						O-Xylene	2.20	2.40	ppbv	J
						Tetrachloroethene	69	24	ppbv	
						Toluene	4.20	2.40	ppbv	
					11/19/2014	Tetrachloroethene	66	7.70	ppbv	
					12/18/2014	Methylene Chloride	1.20	2.30	ppbv	J
						Tetrachloroethene	6.40	2.30	ppbv	
DP-3A	DP-03A-A	GS	TO15	NS	1/6/2014	Tetrachloroethene	61	16	ppbv	
						Toluene	1.90	2.30	ppbv	J
					1/20/2014	Toluene	1.70	2.40	ppbv	J
					2/11/2014	Tetrachloroethene	57	4.60	ppbv	
						Toluene	1.40	2.30	ppbv	J
					3/17/2014	Tetrachloroethene	12	2.30	ppbv	
	DP-03A-B	GS	TO15	FD	3/17/2014	Tetrachloroethene	12	2.30	ppbv	
	DP-03A-A	GS	TO15	NS	5/20/2014	Chloroform	3.70	2.40	ppbv	
						Tetrachloroethene	59	13	ppbv	
						Toluene	1.70	2.40	ppbv	J
					7/23/2014	Chloroform	5	2.60	ppbv	
						Tetrachloroethene	80	26	ppbv	
						Toluene	3.50	2.60	ppbv	
					9/17/2014	Chloroform	5.50	2.30	ppbv	
						Ethylbenzene	1.60	2.30	ppbv	J
						M,P-Xylenes	6.70	4.70	ppbv	
						O-Xylene	2.60	2.30	ppbv	
						Tetrachloroethene	83	23	ppbv	
						Toluene	4.90	2.30	ppbv	
					11/19/2014	Tetrachloroethene	11	2.30	ppbv	
	DP-03A-B				12/18/2014	Methylene Chloride	1.20	2.30	ppbv	J
						Tetrachloroethene	7.90	2.30	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
DP-3B	DP-03B-A	GS	TO15	NS	1/6/2014	Tetrachloroethene	56	6.40	ppbv	
						Trichloroethylene	2.30	2.40	ppbv	J
					1/20/2014	Chloromethane	1.30	2.30	ppbv	J
						Toluene	2	2.30	ppbv	J
					2/11/2014	Tetrachloroethene	140	20	ppbv	
						Toluene	1.50	2.30	ppbv	J
						Trichloroethylene	5.10	2.30	ppbv	
					3/17/2014	Tetrachloroethene	120	24	ppbv	
						Trichloroethylene	5.80	2.40	ppbv	
					5/20/2014	Cis-1,2-Dichloroethene	1.20	2.30	ppbv	J
						Tetrachloroethene	340	39	ppbv	
						Trichloroethylene	26	2.30	ppbv	
					7/23/2014	Cis-1,2-Dichloroethene	2.10	2.60	ppbv	J
						Tetrachloroethene	1100	120	ppbv	
						Toluene	2.90	2.60	ppbv	
						Trichloroethylene	50	2.60	ppbv	
					9/17/2014	Cis-1,2-Dichloroethene	2.60	2.40	ppbv	
						M,P-Xylenes	4.50	4.80	ppbv	J
						O-Xylene	1.80	2.40	ppbv	J
						Tetrachloroethene	1100	96	ppbv	
						Toluene	3.40	2.40	ppbv	
						Trichloroethylene	59	24	ppbv	
					11/19/2014	Tetrachloroethene	1000	54	ppbv	
						Trichloroethylene	38	2.30	ppbv	
					12/18/2014	Tetrachloroethene	820	260	ppbv	
						Trichloroethylene	42	23	ppbv	
DP-4A	DP-04A-A	GS	TO15	NS	1/7/2014	Chloroform	34	2.40	ppbv	
						Methylene Chloride	1.40	2.40	ppbv	J
						Tetrachloroethene	30	2.40	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
DP-4A continued . . .										
					1/20/2014	Chloroform	27	2.40	ppbv	
						Methylene Chloride	1.30	2.40	ppbv	J
						Tetrachloroethene	34	2.40	ppbv	
					2/11/2014	Chloroform	32	2.30	ppbv	
						Methylene Chloride	1.50	2.30	ppbv	J
						Tetrachloroethene	33	2.30	ppbv	
					3/17/2014	Chloroform	34	2.40	ppbv	
						Tetrachloroethene	34	2.40	ppbv	
					5/20/2014	Chloroform	34	2.40	ppbv	
						Tetrachloroethene	41	2.40	ppbv	
						Toluene	1.20	2.40	ppbv	J
						Trichloroethylene	2.60	2.40	ppbv	
					7/23/2014	Chloroform	35	2.60	ppbv	
						Methylene Chloride	1.40	2.60	ppbv	J
						Tetrachloroethene	41	2.60	ppbv	
						Toluene	1.60	2.60	ppbv	J
					9/17/2014	Chloroform	33	2.50	ppbv	
						M,P-Xylenes	3.80	5.10	ppbv	J
						Methylene Chloride	1.50	2.50	ppbv	J
						O-Xylene	1.40	2.50	ppbv	J
						Tetrachloroethene	41	2.50	ppbv	
						Toluene	1.80	2.50	ppbv	J
	DP-04A-B	GS	TO15	FD	9/17/2014	Chloroform	34	2.40	ppbv	
						M,P-Xylenes	3.10	4.80	ppbv	J
						Methylene Chloride	1.30	2.40	ppbv	J
						O-Xylene	1.20	2.40	ppbv	J
						Tetrachloroethene	46	2.40	ppbv	
						Toluene	1.50	2.40	ppbv	J
						Trichloroethylene	1.30	2.40	ppbv	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
DP-4A continued . . .										
	DP-04A-A	GS	TO15	NS	12/18/2014	Chloroform	38	2.20	ppbv	
						Methylene Chloride	1.20	2.20	ppbv	J
						Tetrachloroethene	33	2.20	ppbv	
DP-4B	DP-04B-A	GS	TO15	NS	1/7/2014	Chloroform	11	2.40	ppbv	
						Tetrachloroethene	44	6.50	ppbv	
					1/20/2014	Toluene	1.40	2.60	ppbv	J
					2/11/2014	Chloroform	11	2.30	ppbv	
						Tetrachloroethene	50	4.20	ppbv	
					3/17/2014	Chloroform	11	2.60	ppbv	
						Chloromethane	1.50	2.60	ppbv	J
						Tetrachloroethene	45	2.60	ppbv	
					5/20/2014	Chloroform	12	2.40	ppbv	
						Tetrachloroethene	46	2.40	ppbv	
					7/23/2014	Chloroform	12	2.50	ppbv	
						Tetrachloroethene	48	2.50	ppbv	
	DP-04B-B	GS	TO15	FD	7/23/2014	Chloroform	13	2.60	ppbv	
						Tetrachloroethene	46	2.60	ppbv	
	DP-04B-A	GS	TO15	NS	9/17/2014	Chloroform	11	2.60	ppbv	
						Ethylbenzene	1.40	2.60	ppbv	J
						M,P-Xylenes	5.40	5.10	ppbv	
						O-Xylene	2.30	2.60	ppbv	J
						Tetrachloroethene	76	26	ppbv	
						Toluene	2.70	2.60	ppbv	
					12/18/2014	Methylene Chloride	1.20	2.40	ppbv	J
						Tetrachloroethene	2	2.40	ppbv	J
DP-5A	DP-05A-A	GS	TO15	NS	1/7/2014	Toluene	2.10	2.30	ppbv	J
					1/20/2014	Tetrachloroethene	2.60	2.20	ppbv	
	DP-05A-B	GS	TO15	FD	1/20/2014	Tetrachloroethene	2.50	2.20	ppbv	
	DP-05A-A	GS	TO15	NS	2/11/2014	Tetrachloroethene	17	2.40	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
DP-5A continued . . .										
					3/17/2014	Chloroform	1.80	2.40	ppbv	J
						Tetrachloroethene	120	12	ppbv	
					5/20/2014	Tetrachloroethene	760	61	ppbv	
						Trichloroethylene	1.60	2.40	ppbv	J
					6/18/2014	Tetrachloroethene	1500	140	ppbv	
						Trichloroethylene	3.20	2.50	ppbv	
					7/23/2014	Tetrachloroethene	2400	430	ppbv	
						Trichloroethylene	5.50	2.60	ppbv	
					8/20/2014	Cis-1,2-Dichloroethene	2.30	2.50	ppbv	J
						Tetrachloroethene	2600	390	ppbv	J
						Trichloroethylene	7.60	2.50	ppbv	
					9/16/2014	Cis-1,2-Dichloroethene	3.70	2.50	ppbv	
						Tetrachloroethene	2600	960	ppbv	
						Trichloroethylene	10	2.50	ppbv	
					10/22/2014	Tetrachloroethene	4500	390	ppbv	
					11/19/2014	Cis-1,2-Dichloroethene	4.30	2.30	ppbv	
						Tetrachloroethene	2800	180	ppbv	
						Trichloroethylene	9.70	2.30	ppbv	
					12/18/2014	Tetrachloroethene	3100	470	ppbv	
						Trichloroethylene	16	24	ppbv	J
DP-5B	DP-05B-A	GS	TO15	NS	1/7/2014	Benzene	1.20	2.30	ppbv	J
						Toluene	2.50	2.30	ppbv	
					1/20/2014	Chloroform	28	2.20	ppbv	
						Methylene Chloride	1.20	2.20	ppbv	J
						Tetrachloroethene	9.70	2.20	ppbv	
					2/11/2014	Chloroform	43	2.30	ppbv	
						Methylene Chloride	1.30	2.30	ppbv	J
						Tetrachloroethene	10	2.30	ppbv	
					3/17/2014	Chloroform	48	2.40	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
DP-5B continued . . .										
						Tetrachloroethene	15	2.40	ppbv	
					5/20/2014	Chloroform	42	2.40	ppbv	
						Methylene Chloride	1.20	2.40	ppbv	J
						Tetrachloroethene	26	2.40	ppbv	
					7/23/2014	Chloroform	42	2.40	ppbv	
						Tetrachloroethene	40	2.40	ppbv	
					9/16/2014	Chloroform	35	2.40	ppbv	
						Methylene Chloride	1.30	2.40	ppbv	J
						Tetrachloroethene	54	24	ppbv	
					11/19/2014	Chloroform	34	2.30	ppbv	
						Tetrachloroethene	52	7.60	ppbv	
					12/18/2014	Chloroform	40	2.30	ppbv	
						Methylene Chloride	1.20	2.30	ppbv	J
						Tetrachloroethene	170	9.30	ppbv	
DP-6A	DP-06A-A	GS	TO15	NS	1/7/2014	Tetrachloroethene	26	2.30	ppbv	
					1/20/2014	Tetrachloroethene	45	2.30	ppbv	
					2/11/2014	Tetrachloroethene	21	2.40	ppbv	
					3/17/2014	Tetrachloroethene	18	2.40	ppbv	
					5/20/2014	Tetrachloroethene	21	2.40	ppbv	
					7/23/2014	Chloroform	1.60	2.40	ppbv	J
						Tetrachloroethene	46	2.40	ppbv	
					9/16/2014	Chloroform	1.90	2.30	ppbv	J
						Tetrachloroethene	440	23	ppbv	
					11/20/2014	Tetrachloroethene	120	14	ppbv	
					12/17/2014	Tetrachloroethene	66	9.50	ppbv	
	DP-06A-B	GS	TO15	FD	12/17/2014	Tetrachloroethene	77	9.40	ppbv	
DP-6B	DP-06B-A	GS	TO15	NS	1/7/2014	Toluene	2	2.40	ppbv	J
					1/20/2014	Chloroform	2.30	2.30	ppbv	
						Tetrachloroethene	28	2.30	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
DP-6B continued . . .										
					2/11/2014	Chloroform	8.90	2.30	ppbv	
						Tetrachloroethene	20	2.30	ppbv	
					3/17/2014	Chloroform	29	2.40	ppbv	
						Tetrachloroethene	31	2.40	ppbv	
					5/20/2014	Chloroform	3.10	2.40	ppbv	
						Tetrachloroethene	5.30	2.40	ppbv	
					7/23/2014	Benzene	3	2.40	ppbv	
						Chloroform	1.20	2.40	ppbv	J
						Ethylbenzene	2.30	2.40	ppbv	J
						M,P-Xylenes	8.50	4.90	ppbv	
						O-Xylene	4	2.40	ppbv	
						Tetrachloroethene	1.60	2.40	ppbv	J
						Toluene	14	2.40	ppbv	
					9/16/2014	Chloroform	4.10	2.40	ppbv	
						Methylene Chloride	1.20	2.40	ppbv	J
						Tetrachloroethene	3.60	2.40	ppbv	
	DP-06B-B	GS	TO15	FD	9/16/2014	Chloroform	4.10	2.20	ppbv	
						Methylene Chloride	1.20	2.20	ppbv	J
						Tetrachloroethene	5.60	2.20	ppbv	
	DP-06B-A	GS	TO15	NS	11/20/2014	Chloroform	16	2.30	ppbv	
						Tetrachloroethene	20	2.30	ppbv	
					12/17/2014	Chloroform	9.60	2.20	ppbv	
						Hexachlorobutadiene	1.60	2.20	ppbv	J
						Methylene Chloride	1.10	2.20	ppbv	J
						Tetrachloroethene	7	2.20	ppbv	
OSC-3	OSC-3-A	GS	TO-15 SIM	NS	1/7/2014	1,1,1-Trichloroethane	0.200	0.270	ug/m3	J
						1,1,2-Trichloro-1,2,2-Trifluor oethane	0.500	0.380	ug/m3	
						1,2-Dichlorobenzene	0.190	0.300	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
OSC-3 continued . . .										
						Benzene	0.360	0.160	ug/m3	
						Carbon Tetrachloride	0.490	0.310	ug/m3	
						Chloroform	1	0.240	ug/m3	
						Hexane	0.0900	0.170	ug/m3	J
						M,P-Xylenes	0.320	0.430	ug/m3	J
						Methylene Chloride	0.440	0.170	ug/m3	
						O-Xylene	0.130	0.220	ug/m3	J
						Tetrachloroethene	9.80	3.40	ug/m3	
						Toluene	0.430	0.190	ug/m3	
						Trichloroethylene	4.90	2.70	ug/m3	
					1/15/2014	Chloroform	0.840	0.980	ug/m3	J
						Tetrachloroethene	15	4.10	ug/m3	
						Toluene	0.440	0.750	ug/m3	J
						Trichloroethylene	6.70	1.10	ug/m3	
					1/20/2014	Benzene	0.320	0.630	ug/m3	J
						Chloroform	0.970	0.960	ug/m3	
						Methylene Chloride	0.360	0.680	ug/m3	J
						Tetrachloroethene	14	4	ug/m3	
						Toluene	0.660	0.740	ug/m3	J
						Trichloroethylene	6.30	1.10	ug/m3	
					1/27/2014	Benzene	0.330	0.630	ug/m3	J
						Chloroform	0.930	0.970	ug/m3	J
						Hexane	0.350	0.700	ug/m3	J
						M,P-Xylenes	1.20	1.70	ug/m3	J
						Methylene Chloride	1.30	0.690	ug/m3	
						O-Xylene	0.500	0.860	ug/m3	J
						Toluene	1.40	0.750	ug/m3	
						Trichloroethylene	6.50	1.10	ug/m3	
					2/12/2014	Benzene	0.470	0.630	ug/m3	J

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
OSC-3 continued . . .										
						Chloroform	1.10	0.970	ug/m3	
						Hexane	0.710	0.700	ug/m3	
						M,P-Xylenes	1.20	1.70	ug/m3	J
						Methylene Chloride	0.470	0.690	ug/m3	J
						Tetrachloroethene	19	4	ug/m3	
						Toluene	1.80	0.750	ug/m3	
						Trichloroethylene	3.70	1.10	ug/m3	
	OSC-3-B	GS	TO-15 SIM	FD	2/12/2014	Benzene	0.590	0.630	ug/m3	J
						Chloroform	1.10	0.960	ug/m3	
						Hexane	0.730	0.690	ug/m3	
						M,P-Xylenes	1.30	1.70	ug/m3	J
						O-Xylene	0.440	0.860	ug/m3	J
						Tetrachloroethene	20	4	ug/m3	
						Toluene	2.50	0.740	ug/m3	
						Trichloroethylene	5.50	1.10	ug/m3	
	OSC-3-A	GS	TO-15 SIM	NS	3/17/2014	Chloroform	0.680	0.960	ug/m3	J
						Tetrachloroethene	30	4	ug/m3	
						Trichloroethylene	7.80	1.10	ug/m3	
					4/16/2014	Chloroform	0.590	0.960	ug/m3	J
						Methylene Chloride	0.360	0.680	ug/m3	J
						Tetrachloroethene	43	10	ug/m3	
						Trichloroethylene	8.10	1.10	ug/m3	
	OSC-3-A	GS	TO15	NS	5/21/2014	Tetrachloroethene	60	10	ug/m3	
	OSC-3-A	GS	TO-15 SIM	NS	5/21/2014	Methylene Chloride	0.420	0.680	ug/m3	J
						Toluene	3.20	0.740	ug/m3	
						Trichloroethylene	5.30	1.10	ug/m3	
	OSC-3-A	GS	TO15	NS	6/18/2014	Tetrachloroethene	70	10	ug/m3	
						Trichloroethylene	8	8	ug/m3	
					7/24/2014	M,P-Xylenes	20	20	ug/m3	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
OSC-3 continued . . .										
						O-Xylene	6	10	ug/m3	J
						Tetrachloroethene	90	20	ug/m3	
						Toluene	20	9	ug/m3	
						Trichloroethylene	20	10	ug/m3	
					8/21/2014	Tetrachloroethene	20	20	ug/m3	
						Toluene	10	9	ug/m3	
	OSC-3-B	GS	TO15	FD	8/21/2014	Tetrachloroethene	100	20	ug/m3	
						Toluene	10	9	ug/m3	
	OSC-3-A	GS	TO15	NS	9/16/2014	1,2,4-Trimethylbenzene	10	10	ug/m3	J
						Ethylbenzene	60	10	ug/m3	J
						M,P-Xylenes	300	20	ug/m3	J
						O-Xylene	90	10	ug/m3	J
						Tetrachloroethene	20	20	ug/m3	J
						Toluene	400	30	ug/m3	
						Trichloroethylene	10	10	ug/m3	J
					10/21/2014	No Analytes Detected				
					11/19/2014	Toluene	5	8	ug/m3	J
						Trichloroethylene	6	10	ug/m3	J
	OSC-3-A	GS	TO-15 SIM	NS	12/17/2014	Carbon Tetrachloride	0.700	1.20	ug/m3	J
						Chloroform	0.540	0.970	ug/m3	J
						M,P-Xylenes	1.30	1.70	ug/m3	J
						O-Xylene	0.740	0.860	ug/m3	J
						Tetrachloroethene	11	1.30	ug/m3	J
						Toluene	2.80	0.750	ug/m3	J
						Trichloroethylene	4.50	1.10	ug/m3	
OSVE-10	OSVE-10-A	GS	TO15	NS	1/7/2014	Tetrachloroethene	22	2.40	ppbv	
						Toluene	1.20	2.40	ppbv	J
					1/20/2014	Tetrachloroethene	370	43	ppbv	
					2/12/2014	Tetrachloroethene	210	16	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
OSVE-10 continued . . .										
					3/17/2014	Tetrachloroethene	200	22	ppbv	
					4/17/2014	Tetrachloroethene	250	25	ppbv	
	OSVE-10-B	GS	TO15	FD	4/17/2014	Tetrachloroethene	260	35	ppbv	
	OSVE-10-A	GS	TO15	NS	5/21/2014	Cis-1,2-Dichloroethene	1.90	2.40	ppbv	J
						Tetrachloroethene	810	63	ppbv	
						Trichloroethylene	1.70	2.40	ppbv	J
					6/18/2014	Tetrachloroethene	240	25	ppbv	
					7/24/2014	Tetrachloroethene	970	49	ppbv	
					8/20/2014	Cis-1,2-Dichloroethene	2.30	2.50	ppbv	J
						Tetrachloroethene	310	25	ppbv	
					9/16/2014	Cis-1,2-Dichloroethene	1.20	2.20	ppbv	J
						Methylene Chloride	1.20	2.20	ppbv	J
						Tetrachloroethene	480	89	ppbv	
					10/21/2014	Cis-1,2-Dichloroethene	86	46	ppbv	
						Tetrachloroethene	1900	98	ppbv	
					11/19/2014	Tetrachloroethene	230	39	ppbv	
					12/18/2014	Cis-1,2-Dichloroethene	5.10	2.40	ppbv	
						Tetrachloroethene	260	24	ppbv	
						Trichloroethylene	1.50	2.40	ppbv	J
OSVE-11	OSVE-11-A	GS	TO15	NS	1/7/2014	Tetrachloroethene	12	2.40	ppbv	
						Toluene	1.60	2.40	ppbv	J
					1/20/2014	Tetrachloroethene	930	99	ppbv	
						Trichloroethylene	1.50	2.30	ppbv	J
					2/12/2014	Cis-1,2-Dichloroethene	9.60	2.30	ppbv	
						Tetrachloroethene	590	110	ppbv	
						Trichloroethylene	5.20	2.30	ppbv	
	OSVE-11-B	GS	TO15	FD	2/12/2014	Cis-1,2-Dichloroethene	10	2.30	ppbv	
						Tetrachloroethene	640	94	ppbv	
						Trichloroethylene	5.50	2.30	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
OSVE-11 continued . . .										
	OSVE-11-A	GS	TO15	NS	3/17/2014	Cis-1,2-Dichloroethene	14	2.40	ppbv	
						Tetrachloroethene	430	24	ppbv	
						Trichloroethylene	8.90	2.40	ppbv	
					4/17/2014	Cis-1,2-Dichloroethene	12	2.30	ppbv	
						Tetrachloroethene	940	140	ppbv	
						Trichloroethylene	9.20	2.30	ppbv	
					5/21/2014	Cis-1,2-Dichloroethene	57	21	ppbv	
						Tetrachloroethene	1200	210	ppbv	
						Trichloroethylene	23	2.40	ppbv	
					6/18/2014	1,2,4-Trimethylbenzene	3.80	2.50	ppbv	
						1,3,5-Trimethylbenzene	5.60	2.50	ppbv	
						Cis-1,2-Dichloroethene	18	2.50	ppbv	
						O-Xylene	1.50	2.50	ppbv	J
						Tetrachloroethene	970	56	ppbv	
						Trichloroethylene	7.90	2.50	ppbv	
					7/24/2014	Cis-1,2-Dichloroethene	18	2.50	ppbv	
						Tetrachloroethene	2900	380	ppbv	
						Trichloroethylene	9.50	2.50	ppbv	
					8/20/2014	Cis-1,2-Dichloroethene	39	2.50	ppbv	
						Tetrachloroethene	770	53	ppbv	
						Trichloroethylene	11	2.50	ppbv	
					9/16/2014	1,3,5-Trimethylbenzene	1.30	2.30	ppbv	J
						Cis-1,2-Dichloroethene	21	2.30	ppbv	
						Tetrachloroethene	1200	92	ppbv	
						Trichloroethylene	10	2.30	ppbv	
					10/21/2014	Cis-1,2-Dichloroethene	21	9.10	ppbv	
						Tetrachloroethene	930	91	ppbv	
						Trichloroethylene	9.40	9.10	ppbv	
					11/19/2014	Cis-1,2-Dichloroethene	28	2.30	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
OSVE-11 continued . . .										
						Tetrachloroethene	660	66	ppbv	
						Trichloroethylene	13	2.30	ppbv	
					12/18/2014	Cis-1,2-Dichloroethene	110	24	ppbv	
						Tetrachloroethene	650	370	ppbv	
						Trichloroethylene	24	24	ppbv	
SVE Pre GAC	SVE Pre GAC-A	GS	TO15	NS	1/7/2014	Chloroform	11	2.50	ppbv	
						Cis-1,2-Dichloroethene	1.50	2.50	ppbv	J
						Tetrachloroethene	140	25	ppbv	
SVE-01	SVE-01-A	GS	TO15	NS	1/6/2014	Chloroform	4.30	2.50	ppbv	
						Tetrachloroethene	5.90	2.50	ppbv	
					1/20/2014	Chloroform	1.60	2.40	ppbv	J
						Tetrachloroethene	24	2.40	ppbv	
					2/12/2014	Chloroform	2.70	2.40	ppbv	
						Tetrachloroethene	40	2.40	ppbv	
					3/17/2014	Chloroform	4.30	2.40	ppbv	
						Tetrachloroethene	45	2.40	ppbv	
					5/21/2014	Tetrachloroethene	370	24	ppbv	
	SVE-01-B	GS	TO15	FD	5/21/2014	Chloroform	3.40	2.40	ppbv	
						Tetrachloroethene	59	24	ppbv	
	SVE-01-A	GS	TO15	NS	7/24/2014	Chloroform	2.80	2.70	ppbv	
						Chloromethane	3.70	2.70	ppbv	
						Tetrachloroethene	95	27	ppbv	
					9/17/2014	Chloroform	2.50	2.50	ppbv	
						Chloromethane	2.20	2.50	ppbv	J
						Tetrachloroethene	130	25	ppbv	
					11/19/2014	Chloroform	3.60	2.30	ppbv	
						Tetrachloroethene	98	16	ppbv	
					12/18/2014	Chloroform	3.30	2.40	ppbv	
						Tetrachloroethene	130	16	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
SVE-02	SVE-02-A	GS	TO15	NS	1/7/2014	Cis-1,2-Dichloroethene	1.20	2.50	ppbv	J
						Tetrachloroethene	38	2.50	ppbv	
						Toluene	3.60	2.50	ppbv	
	SVE-02-B	GS	TO15	FD	1/7/2014	Cis-1,2-Dichloroethene	1.50	2.40	ppbv	J
						Tetrachloroethene	38	2.40	ppbv	
						Toluene	3.50	2.40	ppbv	
	SVE-02-A	GS	TO15	NS	1/20/2014	Chloroform	4.20	2.30	ppbv	
						Cis-1,2-Dichloroethene	4	2.30	ppbv	
						Tetrachloroethene	310	33	ppbv	
						Trichloroethylene	2.80	2.30	ppbv	
					2/12/2014	Cis-1,2-Dichloroethene	7	2.30	ppbv	
						Tetrachloroethene	980	110	ppbv	
						Trichloroethylene	8.70	2.30	ppbv	
					3/17/2014	Cis-1,2-Dichloroethene	8.40	2.30	ppbv	
						Tetrachloroethene	1200	98	ppbv	
						Trichloroethylene	11	2.30	ppbv	
					4/17/2014	Cis-1,2-Dichloroethene	19	2.40	ppbv	
						Tetrachloroethene	5600	340	ppbv	
						Trichloroethylene	23	2.40	ppbv	
					5/21/2014	Chloroform	1.30	2.20	ppbv	J
						Cis-1,2-Dichloroethene	45	2.20	ppbv	
						Tetrachloroethene	3400	860	ppbv	J
						Trichloroethylene	43	2.20	ppbv	
					6/18/2014	Chloroform	1.80	2.30	ppbv	J
						Cis-1,2-Dichloroethene	72	23	ppbv	
						Tetrachloroethene	3900	320	ppbv	
						Trichloroethylene	45	2.30	ppbv	
					7/24/2014	Cis-1,2-Dichloroethene	210	26	ppbv	
						Tetrachloroethene	23000	2100	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
SVE-02 continued . . .										
						Trichloroethylene	95	26	ppbv	
					8/20/2014	Cis-1,2-Dichloroethene	250	25	ppbv	
						Tetrachloroethene	20000	1900	ppbv	
						Trichloroethylene	99	25	ppbv	
					9/17/2014	Cis-1,2-Dichloroethene	220	22	ppbv	
						Tetrachloroethene	23000	1900	ppbv	
						Trichloroethylene	82	22	ppbv	
					10/22/2014	Cis-1,2-Dichloroethene	290	24	ppbv	
						Tetrachloroethene	33000	1900	ppbv	
						Trichloroethylene	100	24	ppbv	
					11/20/2014	Cis-1,2-Dichloroethene	190	23	ppbv	
						Tetrachloroethene	10000	1800	ppbv	
						Trichloroethylene	55	23	ppbv	
					12/18/2014	Cis-1,2-Dichloroethene	370	26	ppbv	
						Tetrachloroethene	35000	1900	ppbv	
						Trichloroethylene	130	26	ppbv	
SVE-03	SVE-03-A	GS	TO15	NS	1/7/2014	Tetrachloroethene	120	14	ppbv	
						Trichloroethylene	1.20	2.40	ppbv	J
					1/20/2014	Tetrachloroethene	180	22	ppbv	
	SVE-03-B	GS	TO15	FD	1/20/2014	Chloroform	2.50	2.30	ppbv	
						Tetrachloroethene	190	23	ppbv	
	SVE-03-A	GS	TO15	NS	2/12/2014	Tetrachloroethene	570	50	ppbv	
						Trichloroethylene	1.40	2.30	ppbv	J
					3/17/2014	Tetrachloroethene	780	72	ppbv	
	SVE-03-B	GS	TO15	FD	3/17/2014	Tetrachloroethene	1500	130	ppbv	
						Trichloroethylene	2.30	2.40	ppbv	J
	SVE-03-A	GS	TO15	NS	4/17/2014	Tetrachloroethene	2000	160	ppbv	
						Trichloroethylene	3.90	2.40	ppbv	
					5/21/2014	Cis-1,2-Dichloroethene	2.60	2.40	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
SVE-03 continued . . .										
						Tetrachloroethene	1700	150	ppbv	
						Trichloroethylene	7.60	2.40	ppbv	
					6/18/2014	Chloromethane	1.40	2.70	ppbv	J
						Cis-1,2-Dichloroethene	5.30	2.70	ppbv	
						Tetrachloroethene	5500	1100	ppbv	
						Trichloroethylene	14	2.70	ppbv	
					7/24/2014	Cis-1,2-Dichloroethene	24	24	ppbv	
						Tetrachloroethene	14000	780	ppbv	
						Trichloroethylene	25	24	ppbv	
					8/20/2014	Cis-1,2-Dichloroethene	28	25	ppbv	
						Tetrachloroethene	12000	2000	ppbv	
						Trichloroethylene	30	25	ppbv	
					9/17/2014	Cis-1,2-Dichloroethene	36	25	ppbv	
						Tetrachloroethene	15000	2100	ppbv	
						Trichloroethylene	33	25	ppbv	
					10/22/2014	Cis-1,2-Dichloroethene	43	24	ppbv	
						Tetrachloroethene	16000	1900	ppbv	
						Trichloroethylene	34	24	ppbv	
					11/20/2014	Cis-1,2-Dichloroethene	39	23	ppbv	
						Tetrachloroethene	16000	1800	ppbv	
						Trichloroethylene	33	23	ppbv	
					12/18/2014	Cis-1,2-Dichloroethene	44	24	ppbv	
						Tetrachloroethene	16000	1900	ppbv	
						Trichloroethylene	32	24	ppbv	
SVE-04	SVE-04-A	GS	TO15	NS	1/7/2014	Chloroform	21	2.40	ppbv	
						Tetrachloroethene	17	2.40	ppbv	
					1/20/2014	Chloroform	24	2.30	ppbv	
						Tetrachloroethene	31	2.30	ppbv	
					2/12/2014	Chloroform	21	2.30	ppbv	

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result
SVE-04 continued . . .										
						Tetrachloroethene	26	2.30	ppbv	
					3/17/2014	Chloroform	27	2.40	ppbv	
						Tetrachloroethene	32	2.40	ppbv	
					5/21/2014	Chloroform	22	2.40	ppbv	
						Chloromethane	2	2.40	ppbv	J
						Tetrachloroethene	40	2.40	ppbv	
					7/24/2014	Chloroform	18	2.60	ppbv	
						Chloromethane	2.10	2.60	ppbv	J
						Tetrachloroethene	47	2.60	ppbv	
	SVE-04-B	GS	TO15	FD	7/24/2014	Chloroform	18	2.60	ppbv	
						Chloromethane	2	2.60	ppbv	J
						Tetrachloroethene	47	2.60	ppbv	
	SVE-04-A	GS	TO15	NS	9/17/2014	Chloroform	20	2.30	ppbv	
						Tetrachloroethene	91	23	ppbv	
					11/20/2014	Chloroform	18	2.20	ppbv	
						Tetrachloroethene	230	14	ppbv	
					12/18/2014	Chloroform	23	2.40	ppbv	
						Tetrachloroethene	230	41	ppbv	

Matrix
GS = soil gas

Sample Type
FD = Field Duplicate
NS = Normal Sample

Units
ppbv = parts per billion volume
ug/m3 = micrograms per cubic meter

RESULTS SUMMARY FOR SOIL VAPOR EXTRACTION REBOUND STUDY (Continued)

Location	Field Sample Identification	Matrix	Method	Sample Type	Date Sampled	Analyte	Result	Reporting Limit	Units	Qualified Result

Qualified Results

J = Analyte concentration considered an estimated value because one or more quality control specifications were not met.

J- = Analyte concentration considered an estimated value because one or more quality control specifications were not met, potential low bias.

Attachment 4

Sample Logs
(on CD only)