Appendix B

Quality Assurance Reviews of 2011 Second Semi-Annual Groundwater Data

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Dear Joe:

Attached to this letter is the QA review for the second semi-annual sampling period of 2011. This review was performed in three phases: 1) a review of internal quality assurance practices at the primary and referee laboratories, 2) a review of referee data, and 3) a review of the latest results as compared to historical data. The results can be summarized as follows:

INTERNAL QUALITY ASSURANCE PRACTICES

1) Sufficient trip and equipment blanks were collected and analyzed and there were no detections of analytes typically found in KCP groundwater.
2) Matrix spike, Matrix spike duplicates and Laboratory Control Sample (LCS) data were reviewed and found to conform to the method-prescribed standards. Some data were qualified but most of these events were related to very high concentrations in the samples. Hence, there was no effect on overall data quality. There were, however, many batches for which it was not possible to collect sufficient sample for a matrix spike/matrix spike duplicate.
3) Pace collected and analyzed four samples for internal duplicates. Results were deemed acceptable.

REFEREE DATA

1) The comparisons for the major volatile organic contaminants are well within the criteria used for data acceptance. The data set was unusual, however, in that agreement was within the prescribed criteria but generally only fair. In addition, there was clear bias between the laboratories for 1,2-DCE, TCE and PCBs with Pace/MN being higher than Pace/Lenexa. Considering that monthly reports have frequently shown Pace/Lenexa to have low bias with their internal LCS data; it is likely Pace/Lenexa is systematically low. Finally, the PCB duplication for well 192L was unacceptable with the Minnesota laboratory reporting approximately four times more contaminant. Both results, however, are within the historical range reported for the well and the likely presence of free product in these samples may be causing difficulty in obtaining true duplicate samples.

It should be noted these referee samples have confirmed or negated several anomalies in recent data. For example, the increase in contamination in well 18 was confirmed. Several other instances of unexpected trace contaminants, as noted in the discussions for the specific flow systems, have been negated by referee sampling.

2) There were several minor chlorinated contaminants reported and confirmed by both laboratories. All comparisons were acceptable.

3) Laboratory artifacts were rarely reported. The analyte in this category that has most often been a problem, acetone, was reported in only one of the investigation samples—and not one in which it had been reported recently.

HISTORICAL DATA REVIEW

Results from historical records were also evaluated for quality purposes. The KCP has an extensive data base with some wells dating from the early 1980s. Thus, if a large number of wells have results differing from historical data, problems occurring during sampling and analysis should be ruled out before investigating why the configuration of the contaminant plume has changed.

The BRFS monitoring data can be summarized as follows:

The general configuration of the contaminant plume is unchanged. Data for a few wells merit additional comments. For instance, the following wells showed some significant decreases that merit confirmation: KC91-163U, KC91-165L, KC91-179L, KC91-171L. The latter well had results an order of magnitude or more less than previous data.

Wells with results higher than expected include KC91-168L and KC01-275L which showed 1,2-DCE approximately an order of magnitude or more higher than expected and KC01-278L which, until this sampling, had shown decreases of two orders of magnitude. Although the latter two are pumping wells, concentrations are sufficiently low that issues with free product are not causing any analysis problems.

Any of these wells could be chosen for confirmation sampling. Those with the highest priority are probably KC91-171L, KC01-275L and KC01-278L.

The ICFS monitoring data can be summarized as follows:
The general configuration of the contaminant plume has not changed although several wells have shown unusual results that should be checked. For example, well KC91-158L is not typically contaminated, hence, the report of 1,2-DCE in this well should be confirmed. Similarly, well KC91-168L, located north of the former tank farm area, reportedly contained significantly more 1,2-DCE than recent data. If correct, this result shows a reversal of what had been a clear decreasing trend.

Several highly contaminated wells also showed increases. The results for KC97-209L appeared to reverse a three-to-four year declining trend and are the highest values reported in the past six years with total VOCs approximately double the highest result from that period. Additionally,

two pumping wells showed similar data. KC99-235L, located south of the MSB, had results higher than all recent samplings and KC01-271L, located near the former tank farm, showed an order of magnitude increase in 1,2-DCE and nearly an order of magnitude for TCE. Finally, GS01-503L has shown erratic fluctuations and should be re-checked.

The only well showing an unusual decrease was KC91-171L, located just east of the former test pits. Results were highly unusual being one to two orders of magnitude lower than expected.

The highest priority wells for confirmation sampling are probably KC91-158L, GS01-503L, KC91-168L, KC97-209L and KC91-171L. Because of impacts to treatment plans, KC99-235L and KC01-271L should also be considered.

Finally, it continues worth noting that source area wells 192L and 192U continue to indicate no depletion of the source.

In summary, data overall are acceptable and demonstrate that laboratory practices are in control.

Please call if any questions.

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QUALITY ASSURANCE REVIEW – 2011, Second Semi-Annual Sampling Event

Prepared by Nic Korte, December 30, 2011

This Quality Assurance review is an evaluation of monitoring well data where samples were split and provided to two laboratories. This review addresses samples collected during the fall of 2011—the second semi-annual sampling event for the KCP in calendar year 2011. The laboratories are designated the "primary" laboratory, which analyzes all of the samples, and the referee laboratory, which only analyzes certain sample splits. The referee laboratory results are used as assurance that the primary laboratory procedures are in control. Similarly, the referee laboratory is used to confirm unusual data that might indicate a change in a contaminant plume's characteristics. The primary laboratory was Pace Inc. of Lenexa, Kansas and the referee laboratory was Pace Inc. of Minneapolis, Minnesota. Data for those analytes detected by both laboratories are stored in the data base maintained by KCP personnel.

The comparison between the laboratories is deemed satisfactory when either result would lead to the same conclusion regarding the status of the KCP contaminant plume. Generally, a satisfactory agreement is 10-25% (difference ratio of 0.75 or higher). Results that are closer in agreement than 10% (difference ratio of 0.9 or higher) are deemed excellent. Near the detection limit, however, percentage differences cannot be used. In those cases, the status of the agreement between the laboratories is based on reviewer judgment. For example, 1 µg/L of trichloroethene reported by one laboratory and 2 µg/L reported by the second laboratory is a difference of 100%. However, the results are so near the detection limit, which is at or near 1 µg/L, that such results actually represent excellent agreement. Another criterion addressed for results near the detection limit is how the results compare with respect to the Maximum Contaminant Level (MCL).

The narrative review that follows is divided into three parts. The first part reviews the data packages for completeness and potential problems with blanks and calibration. The second part reviews the primary and referee laboratory results. The third part considers whether the data indicate any significant changes in the contaminant plumes.

I. QA REVIEW OF DATA PACKAGES

The QA review also includes a review of internal quality assurance measures practiced by the primary laboratory, Pace Inc of Lenexa, KS as well as the referee laboratory, Pace Inc. of Minneapolis, MN.

Trip and equipment blanks and internal duplicates are summarized as follows:

Trip Blanks: Sixteen trip blanks were collected and analyzed. There were no detections.

Equipment Blanks: Seven equipment blanks were collected and analyzed. There were no detections.

Internal duplicates: Pace/Lenexa had four blind duplicates. Comparisons for three of these were excellent. The fourth duplicate appeared to be for a highly-contaminated pumping well for which duplication is typically difficult both because of the presence of DNAPL and the need for very high dilutions. For these reasons, the duplication was considered acceptable.

Data are reported to the KCP in numbered reports. Each report is reviewed separately below.

Project: 10173104, Minnesota
One sample, referee duplicate.

Method Blank VOAs – Nothing detected

Laboratory Control Samples
VOAs—All analytes within required specifications, no qualifiers.

Matrix Spike, Matrix Spike Duplicate
All analytes within required specifications with no qualifiers.

Project: 10173378, Minnesota
One sample, referee duplicate.

Method Blank VOAs – Nothing detected in one method blank.

Laboratory Control Samples
VOAs—All analytes within required specifications except for trichlorofluoromethane and 1,1,2-trichlorotrifluoroethane both of which were low and coded L0 as being outside of specifications. For this reason, the results for these analytes were coded L2 as possibly being biased low. There is no effect on overall data quality because neither analyte is typically found in groundwater at the KCP.

Matrix Spike, Matrix Spike Duplicates
All analytes within required specifications with no qualifiers.

Internal Duplicate
An internal duplicate, source unknown but labeled 1090618, was reported two times. RPDs (relative percent differences) for all analytes were within specifications.

Project: 10173728, Minnesota
One sample, referee duplicate.

Method Blank VOAs – Nothing detected

Laboratory Control Samples
VOAs—All analytes within required specifications with no qualifiers.

Matrix Spike, Matrix Spike Duplicates
All analytes within required specifications with no qualifiers.

Project: 10173729, Minnesota
Two samples, referee duplicates.

Method Blank VOAs – Nothing detected in method blank. However, acetone was reported in both samples. Acetone has never been determined to be an analyte of interest at the KCP. These data are believed to be laboratory or sampling artifacts.

Laboratory Control Samples
VOAs—Carbon disulfide and vinyl chloride were both coded LO—meaning the recovery was higher than the specifications. Neither analyte was reported in the analytical samples, hence, there was no effect on data quality.

Matrix Spike, Matrix Spike Duplicates
All analytes within required specifications with no qualifiers.

Project: 10173820, Minnesota
One samples, referee duplicate.

Method Blank VOAs – Nothing detected in method blank.

Laboratory Control Samples
VOAs—All analytes within required specifications except for vinyl chloride which was qualified L0 as being out of specification. The result was qualified L3, meaning that high bias might be present. There was no effect on data quality because vinyl chloride was not detected in the sample.

Matrix Spike, Matrix Spike Duplicates
All analytes within required specifications with no qualifiers.

Project: 10174114, Minnesota
One samples, referee duplicate.

Method Blank VOAs – Nothing detected in method blank.

Laboratory Control Samples
VOAs—All analytes within required specifications except for vinyl chloride which was qualified L0 as being out of specification. The result was qualified L3, meaning that high bias might be present. There was no effect on data quality because vinyl chloride was not detected in the sample.

Matrix Spike, Matrix Spike Duplicates
All analytes within required specifications with no qualifiers.

Project: 10174541, Minnesota
One sample, referee duplicate.

Method Blank PCBs—Nothing Detected
Method Blank VOAs – Nothing detected

Laboratory Control Samples
PCBs—All analytes within required specifications.
VOAs—All analytes within required specifications.

Matrix Spike, Matrix Spike Duplicates
The MS/MSD for trichloroethene in the VOAs was qualified "E" analyte concentration exceeded the calibration range; the reported result is estimated and "M1" Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. There is no affect on overall data quality because the sample is known to have TCE at such a high concentration that free product is believed present.
The MS/MSD for PCBs had no qualifiers.

Project: 10175259, Minnesota
Three samples, referee duplicates.

Method Blank and Equipment Blank VOAs – Nothing detected

Laboratory Control Samples
VOAs—All analytes within required specifications.

Matrix Spike, Matrix Spike Duplicates
All analytes within required specifications with no qualifiers.

Project: 60108124, Kansas City
Fourteen groundwater samples, one trip blank.

Method Blank, Trip Blank and Equipment Blank VOAs – Nothing detected

Laboratory Control Samples
VOAs—All analytes within required specifications except 1,1,2-Trichlorotrifluoroethane which was qualified as L0—exceeding specified range. There was no effect on data quality because the analyte was not reported in the samples.

Matrix Spike, Matrix Spike Duplicates
The entire batch was qualified "M5"--a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Project: 60108218, Kansas City
Seventeen groundwater samples, one trip blank.

Method Blank VOAs –Four method blanks for VOAs had nothing detected, but one toluene-d8 was qualified “S3”— Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

Trip Blank—VOAs were not detected in the trip blank.

Laboratory Control Samples
VOAs—There were four VOA LCS runs reported. One toluene-d8 was qualified “S0”—Surrogate recovery exceeded laboratory control limits.

Matrix Spike, Matrix Spike Duplicates
All four analytical batches were qualified “M5”--a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Project: 60108294, Kansas City
Twenty-four groundwater samples, one trip blank.

Method Blank VOAs –Three method blanks for VOAs had nothing detected.

Trip Blanks—VOAs were not detected in the trip blank.

Laboratory Control Samples
VOAs—There were three LCS VOA runs reported. Nothing was detected.

Matrix Spike, Matrix Spike Duplicates
One matrix spike/duplicate was reported with no qualifiers. The other three analytical batches were qualified “M5”--a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Project: 60108365, Kansas City
Fourteen groundwater samples and one trip blank.

Method Blank VOAs –Four method blanks for VOAs had nothing detected.

Trip Blanks—VOAs were not detected in the trip blank.

Laboratory Control Samples
VOAs—There were four LCS VOA runs reported. Nothing was detected.

Matrix Spike, Matrix Spike Duplicates
Three matrix spike/duplicates were reported with no qualifiers. The other three analytical batches were qualified “M5”--a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Project: 60108520, Kansas City

Twenty groundwater samples and one trip blank.

Method Blank VOAs – Five VOA method blanks had nothing detected.

Trip Blank VOAs—Nothing detected

Laboratory Control Sample—Five VOA LCS samples had no qualifiers.

Matrix Spike, Matrix Spike Duplicate—On three MS/MSD pairs, there were two data sets qualified with an M1 for 1,1,1-trichloroethane meaning the MS/MSD result was high, but the LCS was acceptable, therefore, the data can be reported.

Project: 60108588, Kansas City
Sixteen groundwater samples, one trip blank.

Method Blank VOAs – Four VOA method blanks had nothing detected.

Trip Blank VOAs—The trip blank reportedly contained 0.76 µg/L of 1,2-dichloroethene.

Laboratory Control Sample—Three VOA LCS samples had no qualifiers. One LCS sample qualified 2-butanone and acetone with L0, indicating that the analyte recovery exceeded the specifications. Both of these analytes are common laboratory artifacts and neither is found in the KCP groundwater, hence, there is no impact to data quality.

Matrix Spike, Matrix Spike Duplicate—On three MS/MSD pairs, there were no qualifiers. Two other batches were qualified "M5"—a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Project: 60108674, Kansas City
Two hundred and fifteen groundwater samples.

This report contained only static water levels, hence, there were no laboratory quality criteria to review.

Project: 60108697, Kansas City
Twenty-seven groundwater samples, one trip blank.

Method Blank VOAs – Four VOA method blanks had nothing detected.

Trip Blank VOAs—The trip blank had nothing detected.

Laboratory Control Sample—Two VOA LCS samples had no qualifiers. Two other LCS samples qualified acetone with L0, indicating that the analyte recovery exceeded the specifications. Acetone is a common laboratory artifact and is not found in the KCP groundwater, hence, there is no impact to data quality.

Matrix Spike, Matrix Spike Duplicate—All four associated analytical batches were qualified with “M5”—a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Project: 60108750, Kansas City
Sixteen groundwater samples, one trip blank.

Method Blank VOAs – Three VOA method blanks had nothing detected.

Trip Blank VOAs—The trip blank had nothing detected.

Laboratory Control Sample—Two VOA LCS samples had no qualifiers. One LCS sample qualified xylene with an LS—analyte recovery in the laboratory control sample (LCS) was outside QC limits for one or more of the constituent analytes used in the calculated result. The reported result was actually within the specifications suggesting that one of the xylene isomers was, perhaps, in error. Xylene is found at the KCP but rarely, and only in wells where other BTEX compounds are found in higher concentrations. Hence, this qualifier is unlikely to affect data quality.

Matrix Spike, Matrix Spike Duplicate—On two MS/MSD pairs, there were no qualifiers. Two other batches were qualified “M5”—a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Project: 60108848, Kansas City
Twenty-one groundwater samples, one trip blank.

Method Blank VOAs – Two VOA method blanks had nothing detected.

Trip Blank VOAs—The trip blank had nothing detected.

Laboratory Control Sample—Two VOA LCS samples had no qualifiers.

Matrix Spike, Matrix Spike Duplicate—On one MS/MSD pair, there were no qualifiers. One other batche was qualified “M5”—a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Project: 60109013, Kansas City
Five groundwater samples, one trip blank, one equipment blank.

Method Blank VOAs – Two VOA method blanks had nothing detected.

Trip Blank VOAs—The trip blank had nothing detected.

Equipment Blank VOAs—The equipment blank had nothing detected.

Laboratory Control Sample—Two VOA LCS samples had no qualifiers.

Matrix Spike, Matrix Spike Duplicate—On one MS/MSD pair, there were no qualifiers. One other batch was qualified "M5"—a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Project: 60109101, Kansas City
Six groundwater samples, one trip blank, one equipment blank, one blind duplicate.

Method Blank VOAs – Three VOA method blanks had nothing detected.

Trip Blank VOAs—The trip blank had nothing detected.

Equipment Blank VOAs—The equipment blank had nothing detected.

Laboratory Control Sample—Three VOA LCS samples had no qualifiers except for one which had acetone qualified as L0 meaning recovery was outside of specifications. Because acetone is not a contaminant of KCP groundwater, there was no effect on data quality.

Matrix Spike, Matrix Spike Duplicate—On one MS/MSD pair, there were no qualifiers. Two other batches was qualified "M5"—a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Project: 60109202, Kansas City
Ten groundwater samples, one trip blank and two blind duplicates.

Method Blank VOAs – Three VOA method blanks had nothing detected.

Method Blank PCBs—One PCB method blank had nothing detected.

Trip Blank VOAs—The VOA trip blank had nothing detected.

Laboratory Control Sample—Three VOA LCS samples and one PCB LCS sample had no qualifiers.

Matrix Spike, Matrix Spike Duplicate—On one MS/MSD pair, tetrachloroethene and trichloroethene were qualified "M1"—matrix spike recovery exceeded QC limits; batch accepted based on laboratory control sample (LCS) recovery. The sample contained both analytes.
Two other batches were qualified "M5"—a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Duplicates—Duplicates were only presented for specific conductance (5380/5380 and 560/560) and pH (6.1/6.0 and 6.6/6.6). These results demonstrate excellent duplication for these measurements.

Project: 60109316, Kansas City
Nine groundwater samples, one trip blank, one equipment blank and three blind duplicates.

Method Blank—Six VOA and one PCB method blanks showed nothing detected.

Trip Blank—The trip blank for VOAs showed nothing detected.

Equipment Blank—The equipment blank showed nothing detected for both VOAs and PCBs.

Laboratory Control Sample—Six laboratory control samples for VOAs and one for PCBs had no qualifiers.

Matrix Spike, Matrix Spike Duplicate—One matrix spike, matrix spike duplicate pair had no qualifiers for VOAs or PCBs. One other matrix spike, matrix spike duplicate pair was qualified "M1" for 1,2-dichloroethene and vinyl chloride. In both cases, the spike duplication was slightly out of specification. The sample, however, had very high concentrations of both analytes, hence, there is no effect on data interpretation. Three other batches was qualified "M5"—a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Duplicates—One sample was duplicated for specific conductance (6800/6750) and pH (5.5/5.5). Results were excellent. The data suggest that the second sample is a duplicate of KC91-165L. Reported analytes show the following comparisons: 1,1-dichloroethane (0.95/1), 1,2-DCE (6.3/6.3) and vinyl chloride (87.7/87.7) with all results in µg/L. PCBs were not detected. The other blind sample appears to be KC91-165U. The comparison for analytes detected was 19.8/17.5 µg/L for 1,2-DCE. The final duplicate was not identifiable. If the duplicate is one of the samples in this report; it is likely KC01-276 or KC94-192U or L. In all of these cases, the well is very highly contaminated and duplication is expected to be problematic because of the probably presence of free product.

Project: 60109397, Kansas City
Seven groundwater samples, one trip blank.

Method Blank VOAs – Two VOA method blanks had nothing detected.

Method Blank PCBs—One PCB method blank had nothing detected.

Trip Blank VOAs—The VOA trip blank had nothing detected.

Laboratory Control Sample—Two VOA LCS samples were qualified for M1 for acetone and one PCB LCS sample had no qualifiers. Acetone is not a contaminant in the KCP groundwater, hence, there was no effect on data quality.

Matrix Spike, Matrix Spike Duplicate—On both VOA MS/MSDs pairs, vinyl chloride was classified "M1"— Matrix spike recovery exceeded QC limits; batch accepted based on laboratory control sample (LCS) recovery. There were no qualifiers with the PCB matrix spike, matrix spike duplicate.

Project: 60109398, Kansas City

Three groundwater samples, one blind duplicate.

Method blank—Two VOA and one PCB method blank had nothing detected.

Laboratory Control Sample—Two VOA and one PCB laboratory control samples had no results out of specifications.

Matrix Spike, Matrix Spike Duplicate—A VOA matrix spike, matrix spike duplicate pair had vinyl chloride classified "M1"— Matrix spike recovery exceeded QC limits; batch accepted based on laboratory control sample (LCS) recovery. There were no qualifiers with the PCB matrix spike, matrix spike duplicate. One other batch was qualified "M5"—a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Duplicate: The blind sample appeared to be KC95-239L. Neither sample had PCBs. VOA comparisons were as follows: 1,2-DCE (847/899), TCE (46.5/ 51.6) 1,1-dichloroethane (0.91/0.95) and vinyl chloride (101/108). These comparisons all show excellent agreement.

Project: **60109724, Kansas City**
Ten groundwater samples, one trip blank, one equipment blank.

Method Blank—Three VOA and method blanks showed nothing detected.

Trip Blank—The trip blank for VOAs showed nothing detected.

Equipment Blank—The equipment blank showed nothing detected for both VOAs and PCBs.

Laboratory Control Sample—Three VOA LCS had no qualifiers.

Matrix Spike, Matrix Spike Duplicate—One matrix spike, matrix spike duplicate was qualified M0 and E for trichloroethene: E=Analyte concentration exceeded the calibration range. The reported result is estimated and M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. The sample had a very high result for TCE, hence, there was no effect on overall data quality. Two other batches were qualified "M5"—a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Project: 60110989, Kansas City
Two groundwater samples, one trip blank.

Method Blank VOAs – Two VOA method blanks had nothing detected.

Trip Blank VOAs—The trip blank had nothing detected.

Equipment Blank VOAs—The equipment blank had nothing detected.

Laboratory Control Sample—One VOA LCS samples had no qualifiers.

Matrix Spike, Matrix Spike Duplicate—The analytical batch was qualified "M5"—a matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

II. REVIEW OF REFEREE LABORATORY PROGRAM

For certain wells, neither laboratory reported any contamination. Agreement for these wells, therefore, is excellent. The following wells had no detections by either laboratory: GS06-504 L, KC00-262 U, KC89-123 L, and KC94-199 U.

The wells for which contaminants were reported are listed in the following tables.

Table 1. Comparison of Primary and Secondary Laboratory Results for 1,2-Dichloroethene (Total). (All results in µg/L.)

Well	Primary Result	Referee Result	Difference Ratio
GS06-505 L	7.8	7.1	0.91
GS06-508 L	454	436	0.96
KC85-032 U	3.7	4.8	0.77
KC87-071 U	2.1	2.4	0.875
KC88-084 L	0.63	< 2.00000	Acceptable
KC89-125 L	0.94	< 2.00000	Acceptable
KC94-192 L	18100	10400	0.57

The comparisons for 1,2-DCE, as shown in Table 1, are acceptable except for KD94-192L. However, this poor agreement is discounted because the well is so contaminated that free product may be present. Both results are near the typical range for this well. In addition, the two laboratories do not use the same dilution scheme which may also cause poor agreement.

Table 2. Comparison of Primary and Secondary Laboratory Results for Trichloroethene. (All results in µg/L)

Well	Primary Result	Referee Result	Difference Ratio
GS06-505 L	28800	23300	0.81
GS06-508 L	3.5	< 1.00000	Acceptable
KC94-192 L	255000	199000	0.78

The results for trichloroethene, as shown in Table 2, show acceptable results for two wells with

very high concentrations. The data for GS06-508L, however, are also acceptable based on the TCE MCL of 5 µg/L. In this case, one laboratory is indicating traces of TCE are present whereas the other laboratory did not report the analyte. This well contains both 1,2-DCE and vinyl chloride in concentrations much greater than the MCL, hence there is no effect on interpretation regarding the quality of the groundwater.

Table 3. Comparison of Primary and Secondary Laboratory Results for Vinyl Chloride. (All results in µg/L)

Well	Primary Result	Referee Result	Difference Ratio
GS06-508 L	16.2	16.6	0.975
KC87-071 U	7	10.3	0.68
KC89-125L	8.7	6.2	0.71
KC94-192L	< 18000.00000	226	acceptable

The vinyl chloride data are also acceptable. The comparisons for two of the lesser-contaminated samples are marginal, but the result is also tempered by the fact that the concentrations are low. In terms of interpreting these data relative to the 1 µg/L MCL, there is no practical significance in the differences. The Pace result for the highly-contaminated sample is a result of attempting to quantify the very high values of TCE and 1,2-DCE. The high concentrations of those analytes apparently obscured the vinyl chloride peak.

Table 4. Comparison of Primary and Secondary Laboratory Results for Minor Chlorinated Contaminants. (All results in µg/L)

Well	Primary Result	Referee Result	Difference Ratio
1,2-Dichlorobenzene			
GS06-505 L	5.2	4.9	0.94
Tetrachloroethene			
GS06-505 L	3.6	3	0.83
KC94-192L	< 5000.00000	426	acceptable
Trichlorofluoromethane			
GS06-505 L	39.8	52.5	0.76
1,1-Dichloroethene			
GS06-508 L	1.3	1.6	0.81
KC94-192 L	135	132	0.98
1,1-Dichloroethane			
KC85-032 U	0.95	< 1.00000	acceptable

KC94-192 L	< 0.70000	3.7	acceptable
PCB-1242 (Aroclor 1242)			
KC94-192L	18.7	74.7	Not acceptable

Results for other chlorinated contaminants are shown in Table 4. All of the agreements are acceptable except for PCBs. Both laboratories indicated what would be considered significant PCB contamination in well KC94-192L, but the Minnesota result is approximately four times greater than the result from Lenexa. There has been difficulty between the two laboratories for PCBs in the past. The Lenexa laboratory has the benefit of knowing that the PCBs spilled at the KCP are Aroclor 1242. Thus, because the spills are decades old, the Minnesota laboratory previously had difficulty with identification. In reviewing historical data, both results are near or within the range of recent data. Thus, it is difficult to determine which value is correct. It is possible that the presence of free product in this well prevents collection of adequate duplicate samples.

Table 5. Comparison of Primary and Secondary Laboratory Results for BTEX (Benzene, Toluene, Ethylbenzene, Xylene) (All results in µg/L)

Benzene			
KC94-192 L	2.6	2.4	0.92
Ethylbenzene			
KC94-192 L	2.1	1.8	0.86
Toluene			
KC94-192L	3.5	3.1	0.86
Xylene			
KC94-192L	< 7.00000	4.4	acceptable

Only well KC94-192L had the BTEX compounds. All results are acceptable.

The data demonstrate sufficient agreement between the two laboratories. Thus, the conclusion of the referee analyses is that the data set is acceptable for technical interpretation.

COMPARISON TO HISTORICAL DATA

Another approach for evaluating data for quality purposes is to compare results to historical records. The KCP has an extensive data base that has entered its third decade for certain wells. Thus, if a large number of wells have results differing from historical data, problems occurring during sampling and analysis should be ruled out before investigating why the configuration of the contaminant plume has changed. Sampling was all performed by Pace Inc. of Lenexa, KS. All sampling was performed with Passive Diffusion Samplers except for a few wells in the ICFS for which PCB analyses were required.

Blue River Flow System

KC84-18L—Approximately 1700 µg/L of total VOCs were reported. These data are within the range of previous data but recent results suggest an overall decrease.

KC84-18M—The approximately 1700 µg/L of total VOCs reported for this well is the highest reported of the previous five sampling periods. All of the chlorinated solvents were present at values higher than had been reported previously. Results, however, have been somewhat erratic. Benzene was reported for the third time of the previous four sampling periods; this time at 3.2 µg/L. Total chlorinated VOCs in this well are now four to five times greater than in 2003. Split sampling has confirmed the significant change.

KC84-18U—Consistent with previous data, no contaminants were detected in this well.

KC84-24L—Throughout its history and as recently as 2005, sporadic contamination has been reported in this well. There was nothing detected this sampling period.

KC85-37L—More than 3200 µg/L of chlorinated VOCs with 3180 µg/L of 1,2-DCE were reported—results consistent with the high range of recent data.

KC85-37M—1,2-DCE was 1840 µg/L—a result within the range of historical data. Vinyl chloride was reported at 87.8 µg/L—results within the range of historical data.

KC85-37U—This highly-contaminated well (30400 µg/L of 1,2-DCE and 2480 µg/L of vinyl chloride) has generally been increasing in contamination for several years.

KC85-38L—Consistent with previous data, no contaminants were detected in this well.

KC85-38M—Consistent with previous data, no contaminants were detected in this well.

KC85-38U—Consistent with previous data, no contaminants were detected in this well.

KC85-39L—46.4 µg/L of 1,2-DCE and 23 µg/L of vinyl chloride were reported. Trichloroethene was not detected. Recent results suggest an overall downward trend.

KC85-39M—Approximately 8 µg/L of total VOCs were reported for this well which appears to

confirm an overall decrease.

KC85-39U—No contamination was reported for the third consecutive sampling. Frequently, <1 µg/L of 1,2-DCE has been reported.

KC85-40L—This well, consistent with past data, had 1.8 µg/L of 1,2-DCE.

KC85-40M—Consistent with previous data, a trace (1.1 µg/L) of 1,2-DCE was detected in this well.

KC85-40U—Consistent with previous data, no chlorinated contaminants were detected in this well. The laboratory artifact, acetone, reported at 16.6 µg/L the last time the well was sampled, was not detected.

KC85-41L- Consistent with previous data, no contaminants were detected in this well.

KC85-41U-Consistent with previous data, no contaminants were detected in this well.

KC85-43L—Consistent with previous data, no contaminants were detected in this well.

KC85-43M—Consistent with previous data, no contaminants were detected in this well.

KC85-43U—Consistent with previous data, no contaminants were detected in this well.

KC85-45L—552 µg/L of 1,2-DCE were reported. This value is of the same order of magnitude as some of the historical data.

KC85-45U—271 µg/L of 1,2-DCE were reported. This value is of the same order of magnitude as some of the historical data.

KC86-51L—Consistent with previous data, no chlorinated contaminants were detected in this well.

KC86-51U—This well, located east of the former lagoon area, typically has approximately 5 µg/L of 1,2-DCE. 1.2 µg/L of 1,2-DCE were reported this sampling period.

KC87-60L—Consistent with previous data, no contaminants were detected in this well.

KC87-60U—Consistent with previous data, no contaminants were detected in this well.

KC87-67L—This well has 10,900 µg/L of 1,2-DCE and 645 µg/L of vinyl chloride. Benzene, at 14.4 µg/L, was reported for the second time. Chlorobenzene, not previously detected in this well, was reported at 97.1 µg/L. Dichlorobenzene, which has been steadily increasing, was reported at 46.2 µg/L. Overall, this well has been showing continued increases in the major contaminants and now benzene and chlorobenzene are also being reported.

KC87-67U— This well has only 5.6 µg/L of 1,2-DCE and vinyl chloride, which is usually reported, was not detected. The major contaminants in this well were 1,2-dichlorobenzene (637 µg/L) and chlorobenzene (916 µg/L). Both analytes typically show erratic concentrations, but the chlorobenzene concentration is considerably higher than those previously reported.

KC87-68L—This well is located east of the northern end of the iron wall and was, as is typical, uncontaminated.

KC88-77L—307 µg/L of 1,2-DCE and 43.1 µg/L of vinyl chloride were reported. These results appear to support or confirm an overall decrease for 1,2-DCE and an increase in vinyl chloride,.

KC88-77U—The only contaminant reported in 2011 was 1.5 µg/L of 1,2-DCE. Vinyl chloride, undetected this time, has been reported frequently in the past, as have higher concentrations of 1,2-DCE. These recent results, therefore, are within the range of historical data for this well and are the third set in succession to indicate low levels of contamination.

KC88-79L—This well, located north of the iron wall, was uncontaminated as expected.

KC88-83L— This well, consistent with most of the historical data, was uncontaminated.

KC88-83U— Consistent with most of the historical data, this well was uncontaminated.

KC88-84L—A trace (<1 µg/L) of 1,2-DCE was reported. Historically, the well is uncontaminated, but similar traces of 1,2-DCE have been reported previously.

KC88-84U—This well was uncontaminated, consistent with most of the historical data.

KC89-104L—Consistent with previous data, no contaminants were detected in this well.

KC89-104U—Consistent with previous data, no contaminants were detected in this well.

KC89-105L—1.5 µg/L of 1,2-DCE and 1.6 µg/L of 1,2-dichloroethane were reported. Typically, <5 µg/L of 1,2-DCE are reported and a similar trace of 1,2-dichloroethane was reported in the previous sampling.

KC89-119L—1.4 µg/L of 1,2-DCE were reported. Typically, <5 µg/L of 1,2-DCE are reported.

KC89-120L— This riverside well reportedly contained 1.2 µg/L of 1,2-DCE. Typically, <5 µg/L of 1,2-DCE are reported.

KC89-121L— 0.95 µg/L of 1,2-DCE were reported. Typically, <5 µg/L of 1,2-DCE are reported.

KC90-134L—This well is the furthest upgradient of the riverside wells. The well, consistent with past data, contained no contaminants.

KC90-137L—This well, located west of the former lagoon area, contained 22.6 µg/L of 1,1-DCA, 1.7 µg/L of 1,2-DCE, and 3.1 µg/L of 1,1-DCE. These results are very near the typical range for this well but could be showing an overall decrease.

KC90-137U—This well often contains <5 µg/L of 1,1-DCA but an unusually high value of 7.9 µg/L were reported this sampling period.

KC90-140L—Consistent with previous data, no contaminants were detected in this well.

KC90-140U—Consistent with previous data, no contaminants were detected in this well.

KC90-143L—This well contained 1.8 µg/L of 1,2-DCE which is typical, although nothing has been detected on occasion.

KC90-143U—Consistent with previous data, no contaminants were detected in this well.

KC91-157L—Consistent with previous data, 4.1 µg/L of 1,2-DCE and 2.7 µg/L of vinyl chloride were reported.

KC91-157U—Consistent with previous data, 1.2 µg/L of 1,2-DCE were reported.

KC91-160L—This well contained 1620 µg/L of 1,2-DCE and 200 µg/L of TCE, 5.2 µg/L of vinyl chloride and 4.2 µg/L of 1,1-DCE. All results are consistent with previous data.

KC91-160U—This well contained 362 µg/L of 1,2-DCE which is at the lower end of the range of the most recent data.

KC91-163L—This well contained 2370 µg/L of 1,1-DCA, 3.8 µg/L of 1,1,1-TCA, 256 µg/L of 1,2-DCE and 16.3 µg/L of TCE, 75.1 µg/L of vinyl chloride, 6.3 µg/L of 1,2-DCA and 153 µg/L of 1,1-DCE. Overall, the results are consistent with previous data.

KC91-163U—This well contained 78.5 µg/L of 1,2-DCE and 7.5 µg/L of vinyl chloride. Both results are lower than previously observed for this well.

KC91-165L—This well contained 4.7 µg/L of 1,2-DCE and 80.3 µg/L of vinyl chloride. Both results are lower than previously observed for this well. The trace (<1 µg/L) of 1,1-DCA was typical for the well.

KC91-165U—19.8 µg/L of 1,2-DCE were reported. This result is at the low end of the range of reported data. PCBs were determined in this sample, and, consistent with past results, none were detected.

KC91-168L—140 µg/L of 1,2-DCE were reported—a result two orders of magnitude higher than the most recent data and approximately twice as high as anything reported in the previous five samplings.

KC91-168U—Consistent with previous data, no contamination was detected.

KC91-171L—3 µg/L of 1,2-DCE and 2.3 µg/L of 1,1-DCA were reported—both results are an order of magnitude or more less than previous data.

KC91-171U—Consistent with previous data, this well was not contaminated.

KC91-176L—37.3 µg/L of 1,2-DCE and 8.6 µg/L of TCE were reported—both results are consistent with previous data.

KC91-176U—1.8 µg/L of 1,2-DCE was reported—a result consistent with previous data.

KC91-179L—This well has consistently shown 1,2-dichlorobenzene, but none was reported for this period. The 25.9 µg/L of 1,2-DCE reported is lower than most previous data. No other contaminants were reported including 1,1-DCA and chlorobenzene which are usually detected.

KC91-179U—This well contained 7.8 µg/L of chlorobenzene. This result is consistent with the 2009 data when chlorobenzene was detected initially. Unusual was that no other contaminants (1,2-DCE and 1,2-dichlorobenzene) were detected.

KC91-182L—The sample from this well contained 1,2-DCE at 1050 µg/L and vinyl chloride at 45.9 µg/L. 2.8 µg/L of 1,1-DCE was also reported. The vinyl chloride is somewhat high, but the other results are within the historical ranges typical for this well.

KC91-182U—The sample from this well contained 1,2-DCE at 6.4 µg/L and TCE at 58.1µg/L—results consistent with previous samplings.

KC91-183L—No contamination was detected. Occasionally, traces (<5 µg/L) of 1,2-DCE are reported, but frequently this well is uncontaminated.

KC91-183U—Consistent with previous data, no contaminants were detected in this well.

KC92-184L—This well contained 2790 µg/L of 1,2-DCE, 6470 µg/L of TCE, 14 µg/L of vinyl chloride and 13.5 µg/L of 1,1-DCE. Overall, these results are consistent with historical data.

KC92-184U—This well contained 5.2 µg/L of 1,2-DCE—a result consistent with past data.

KC92-194L—This well, located in the northwest portion of the plume, contained no contamination—a result consistent with past data.

KC95-200L—1.1 µg/L of 1,2-DCE were reported. Typically, traces (<5 µg/L) of 1,2-DCE are detected in this well.

KC98-211U—This well is located adjacent to and upgradient of the iron wall. 1.6 µg/L of 1,2-DCE, but no vinyl chloride were reported. This is the lowest result ever reported but within a few µg/L of historical data.

KC98-212L—This well is located adjacent to and upgradient of the iron wall. The concentration of vinyl chloride, not detected for the first time, confirms a significant decrease in this well.

KC98-231L—Consistent with previous data, no contaminants were detected in this well.

KC98-231U—Consistent with previous data, no contaminants were detected in this well.

KC98-232L— This well is located in the northwest area of the plume. Consistent with most previous data, no contaminants were detected for this well.

KC98-232U—Consistent with past data, no contamination was detected.

KC98-234L—Consistent with previous data, no contaminants were detected in this well.

KC99-239L—Consistent with previous data, no contaminants were detected in this well.

KC99-247L—This well is located adjacent to the southern end of the iron wall. Consistent with historical data, no contamination was detected.

KC99-248L—This well is located within the southern portion of the iron wall and 0.69 µg/L of 1,2-DCE were reported. Occasionally, traces (< 5 µg/L) of 1,2-DCE are reported.

KC00-261L—This sampling continued confirmation of recent data that contamination once typical for this well is now not present.

KC00-261U—Consistent with most previous data for this well, no contamination was detected.

KC00-262L—Consistent with previous data, no contaminants were detected in this well.

KC00-262U—Consistent with previous data, no contaminants were detected in this well.

KC00-265L—This well contained 29.3 µg/L of 1,2-DCE and 118 µg/L of vinyl chloride. These results are consistent with the low end of the range of historical data.

KC00-265U— Consistent with most previous data, no contaminants were detected in this well.

KC00-267L—This well is located northwest of the iron wall. Consistent with some previous data, 0.85 µg/L of 1,2-DCE were reported. Frequently, no contaminants are detected.

KC00-267U— Consistent with most previous data, no contaminants were detected in this well.

KC00-268L—This well is located northwest of the iron wall. Consistent with previous data, no contaminants were reported.

KC00-268U—Consistent with previous data, no contaminants were reported.

KC00-269L—This well is located northwest of the iron wall. Consistent with previous data, no contaminants were reported.

KC00-270L—This well is located northwest of the iron wall. Consistent with previous data, no contaminants were reported.

KC01-272L—This pumping well north of the former north lagoon area was highly contaminated containing 13.8 µ/L of 1,1-dichloroethane, 14900 µg/L of 1,2-DCE, 11.5 µg/L of 1,1-dichloroethene, 808 µg/L of TCE, 1170 µg/L of vinyl chloride, benzene at 22 µg/L and 1.7 µg/L of chlorobenzene. These results are among the highest reported for this well but total VOCs as high as this have been reported previously.

KC01-273L—This pumping well, located just east of KC01-272, is also highly contaminated containing 9550 µg/L of 1,2-DCE, 13.8 µg/L of 1,1-dichloroethene, 83.3 µg/L of TCE, 2490 µg/L of vinyl chloride and benzene at 42.5 µg/L. 27.6 µg/L chlorobenzene and 33.8 µg/L of 1,2-dichlorobenzene were also reported. Because of a significant decrease in 1,2-DCE, total VOCs in this well appear to have decreased. All of the other analytes were within historical ranges.

KC01-274L—This pumping well is located just upgradient of the iron wall. Contaminant concentrations (1,2-DCE at 239 µg/L and vinyl chloride at 74.1 µg/L) are consistent with previous data although the vinyl chloride result is larger than the previous recent samplings.

KC01-275L—This pumping well is located in the Northeast Area, northwest of the iron wall and south of Boone Creek. Contaminant concentrations (1,2-DCE at 242 µg/L and vinyl chloride at 60.6 µg/L) are not consistent with previous data because the 1,2-DCE result is approximately an order of magnitude higher than expected.

KC01-277L—This pumping well is located just downgradient of the iron wall. Contaminant concentrations (1,2-DCE at 0.53 µg/L and vinyl chloride at 2.6 µg/L) appeared to be continuing a decreasing trend.

KC01-278L—This pumping well is located downgradient and southeast of the iron wall and south of well KC01-277. Contaminant concentrations (1,2-DCE at 242 µg/L and vinyl chloride 77.4 µg/L) are the first results since 2006 that do not support a significant (~two orders of magnitude) decrease. This well has fluctuated, however, with concentrations nearly as low having been reported in 2005.

KCOW-08—This well contained 7.9 µg/L of 1,2-dichloroethene, 2.1 µg/L of vinyl chloride and 5.6 µg/L of 1,1-dichloroethane—results consistent with past data.

The BRFS monitoring data can be summarized as follows:
The general configuration of the contaminant plume is unchanged. The following wells showed some significant decreases that merit confirmation: KC91-163U, KC91-165L, KC91-179L, KC91-171L. The latter well had results an order of magnitude or more less contamination than indicated by previous data.

Wells with results higher than expected include KC91-168L and KC01-275L which showed DCE approximately an order of magnitude or more higher than expected and KC01-278L which, until this sampling, had shown decreases of two orders of magnitude. Although the latter two are pumping wells, concentrations are sufficiently low that issues with free product affecting laboratory analyses are not a problem.

Any of these wells could be chosen for confirmation sampling. Those with the highest priority are probably KC91-171L, KC01-275L and KC01-278L.

Indian Creek Flow System

This data set contains data for nine wells owned by the General Services Administration (GSA): GS01-501L through GS01-509L. The wells are located around building 50 which is just north of the northwest corner of the main manufacturing building. DOE was given permission to sample the wells to assist in understanding the contamination in the area.

GS01-501L—This well contained 607 µg/L of TCE and 2.9 µg/L of 1,2-DCE. These results continue to show an unusual TCE:1,2-DCE ratio for the KCP reflecting a different contaminant signature. Total VOCs are consistent with previous data although traces (< or ~ = 5 µg/L each) of benzene, toluene and xylene, sometimes found, were not reported. 5.4 µg/L of 1,1,2-trichlorotrifluoroethane and 5 µg/L of trichlorofluoromethane, also consistent with past data, were reported.

GS01-502L—This well contained 16200 µg/L of 1,2-DCE and 7730 µg/L of vinyl chloride. These results are similar to the previous years.

GS01-503L—This well contained 452 µg/L of 1,2-DCE, 1980 µg/L of TCE and 23.3 µg/L of vinyl chloride. This well continues to show significant fluctuation. TCE is an order of magnitude higher than any previous result, and is nearly three orders of magnitude higher than the last result. 1,2-DCE is one-fourth of the previous result.

GS01-504L—This well was not contaminated—a result consistent with the previous samplings.

GS01-505L—This well contained 7.8 µg/L of 1,2-DCE but 28000 µg/L of TCE with vinyl chloride not detected. As with GS01-501L, the relative concentrations of these analytes are unusual for the KCP. These results also indicate continued erratic contamination. This TCE result is more than triple the highest result reported previously.

GS01-506L—This well was not contaminated—a result consistent with the previous samplings.

GS01-507L—This well was not contaminated—a result consistent with the previous samplings.

GS01-508L—This well contained 454 µg/L of 1,2-DCE which is similar to last year’s result. Also reported was 3.5 µg/L of TCE and 16.2 µg/L of vinyl chloride. These results are consistent with previous data.

GS01-509L—This well contained 2750 µg/L of TCE, 47.1 µg/L of 1,2-DCE and 37.3 µg/L of 1,2-dichlorobenzene. These results indicate an order of magnitude increase in TCE. 1,2-dichlorobenzene had not been previously reported.

KC84-006L—This well, located southeast of the former tank farm, contained approximately 61.7 µg/L of 1,2-DCE which for the sixth consecutive sampling period confirms results higher than what had been reported historically. The last three results, however, suggest a decreasing trend.

KC84-006M—This well had previously not been contaminated. During this period, 48.6 µg/L of 1,2-DCE and 4.3 µg/L of vinyl chloride. Higher values were reported in the three previous sampling, but frequently vinyl chloride has been undetected.

KC84-006U—This well, consistent with most previous data, showed no contamination. Traces (<1 µg/L) of 1,2-DCE have been reported on occasion.

KC84-10L—This upgradient well, located northwest of the buildings, was uncontaminated.

KC84-10U—This upgradient well, located northwest of the buildings, was uncontaminated.

KC84-12L—This upgradient well was uncontaminated.

KC84-12U—This upgradient well was uncontaminated.

KC85-30L—This upgradient well, located north of the main plant area, was uncontaminated.

KC85-32L—This well, located south of the former tank farm area, has had 1,2-DCE increasing for several sampling periods but now has decreased from more than 125 µg/L to 27.9 µg/L. 1,1-DCE (3.3 µg/L), 1,1-DCA (6.4 µg/L), and vinyl chloride (not detected in 2009/2010/2011) have also decreased.

KC85-32M—This well, located south of the former tank farm area, was similar to all recent data with 1,2-DCE being reported at a concentration 5.2 µg/L.

KC85-32U—0.95 µg/L of 1,2-DCA and 3.7 µg/L of 1,2-DCE were reported. Historically, no contaminants are detected in this well, but this period represents the fourth consecutive sampling showing contamination similar to the reported levels.

KC85-33L—This well, located south of the former still area, was contaminated although concentrations continued to confirm an overall recent decrease with 1,2-DCE at 117 µg/L with most previous results exceeding several hundred µg/L. Similarly, TCE was 171 µg/L with some previous results 3000 µg/L and higher. This decrease is consistent with a decrease noted in nearby well KC85-34L as described below.

KC85-33M—This well, located south of the former still area had results consistent with the previously-noted decrease with 1,2-DCE at 4.1 µg/L and TCE at 2.7 µg/L. These results are

similar to the previous samplings which were much lower than historical results which were one to two orders of magnitude higher as recently as 2003.

KC85-33U—This well, located south of the former still area, typically has shown low levels of contamination. This time, no contaminants were detected. This result is consistent with results from the lower zones which are also decreasing.

KC85-34L—This well, located just south of KC85-33, contained the primary KCP contaminants in concentrations less than most of the historical data: 1,2-DCE (24.9 µg/L), vinyl chloride (4.4 µg/L) and TCE (33.3 µg/L). These results, however, are consistent with the most previous samplings. Tetrachloroethene has also remained lower, now at 6.1 µg/L, as compared to results greater than 100 µg/L as recent as 2005. Trichlorofluoromethane, consistent with previous samplings, was reported at 5.5 µg/L. These data support a decrease in contamination over the past several years. Aroclor 1242 was not detected once again in contrast to a reported 0.93 µg/L in 2008.

KC85-34M—1,2-DCE (51.5 µg/L) and TCE (16.3 µg/L) continue to support a significant downward trend over the past several years. Trichlorofluoromethane, consistent with previous samplings, was reported at 6.3 µg/L.

KC85-34U—No contamination was reported. This well is typically uncontaminated.

KC85-35L—This well, located north of the MSB crossover, contained 7.1 µg/L of 1,2-DCE. TCE and vinyl chloride, reported on occasion, were not detected.

KC85-35U—This well is typically uncontaminated but 1.4 µg/L were reported the previous sampling period. Nothing was detected during the latest sampling.

KC85-44L—This well, located just north of AICO, was uncontaminated—a result consistent with previous sampling.

KC87-69L—This well, located near the former TCE still, remained highly contaminated (1,2-DCE 7670 µg/L, TCE 34.6 µg/L). Total VOC results are within the range historically reported. Vinyl chloride, 1140 µg/L this time, had decreased approximately an order of magnitude over several years; but this is the second consecutive result at the high end of the historical range. The TCE result, on the other hand, is one to two orders of magnitude less than the most recent data.

KC87-69U—Consistent with previous data, this well contained much less contamination than the lower zone (1,2-DCE 74.2 µg/L, TCE 76.2 µg/L). Overall, total VOCs in this well for this sampling period or at the low end of the historical range.

KC87-71L—This well, located north of the MSB, contained 52.8 µg/L of 1,2-DCE, 3.4 µg/L of 1.1-DCA and 143 µg/L of vinyl chloride. This well had been showing a decrease but these concentrations represent something of a rebound when compared to the most recent results.

KC87-71U—This well, located north of the MSB, has recently contained no contamination.

This time 2.1 µg/L of 1,2-DCE and 7 µg/L of vinyl chloride were reported—results within the typical range for the well.

KC87-72L—This well, located northeast of the MSB, contained 23.5 µg/L of 1,2-DCE and 51.2 µg/L of vinyl chloride. These results are within the range of historical data for this well for which results have been erratic.

KC87-72U—This well, consistent with previous results, was uncontaminated.

KC87-73L—This well is located at the southeast corner of the MSB. Consistent with previous data, no contaminants were detected.

KC87-73U— This well is located at the southeast corner of the MSB. Consistent with previous data, no contaminants were detected.

KC87-74L— This well is located at the southeast corner of building 92. Consistent with previous data, no contaminants were detected.

KC87-74U—This well is located at the southeast corner of building 92. Consistent with previous data, no contaminants were detected.

KC87-76L—This well, located just north of building 92, contained 3.6 µg/L of 1,2-DCE. Vinyl chloride was not detected. These results are consistent with previous data, although vinyl chloride has been reported and, at times, no contamination has been detected.

KC87-76U—Consistent with past data, no contaminants were detected.

KC89-102L—Consistent with past data, no contaminants were detected in this well located south of the west boiler house.

KC89-102U—Consistent with past data, no contaminants were detected.

KC89-115L—This well, located just north of the main building, contained 186 µg/L of 1,2-DCE, 14.8 µg/L of TCE and 2.7 µg/L of vinyl chloride. These results are consistent with historical data and support a continuing decrease suggested the last time the well was sampled.

KC89-115U—This well, located just north of the main building, contained 51.8 µg/L of 1,2-DCE and 2.6 of TCE. Vinyl chloride was not detected. These results continue to indicate a decrease in contamination when compared to 2005 and before.

KC89-122L—This well, located in the north parking lot just northeast of KC89-115, was not contaminated—a result consistent with previous data.

KC89-123L—This well, located in the center of the north parking lot, was not contaminated—a result consistent with previous data.

KC89-125L—This well, located in the center of the main building, reportedly contained 0.94 µg/L of 1,2-DCE and 8.7 µg/L of vinyl chloride. Several previous samplings were uncontaminated and vinyl chloride has been previously reported but at <10 µg/L.

KC89-125U—Consistent with previous data, this well contained both 1,2-DCE (1.3 µg/L) and vinyl chloride (7.8 µg/L). As with the lower zone, this vinyl chloride value is higher than had been typical.

KC89-126L—Consistent with previous data, this well contained a trace of 1,2-DCE (2.5 µg/L).

KC89-126U—This well was uncontaminated. At times a trace (<1 µg/L) of 1,2-DCE is detected.

KC90-135L—This well, located upgradient and west of the west boiler house, was uncontaminated.

KC90-149L—This well, located in the NE corner of the main building, contained 1.8 µg/L of TCE and 10.2 µg/L of 1,2-DCE. Since 2006, results from this well had indicated an increase. These results, however, return to the levels observed in 2006.

KC90-149U—This well contained 55.1 µg/L of 1,2-DCE, a result similar to previous data.

KC91-152L—Consistent with previous data, this well was not contaminated.

KC91-152L—Consistent with previous data, this well was not contaminated.

KC91-153L—Consistent with previous data, this well was not contaminated.

KC91-153U—Consistent with previous data, this well was not contaminated.

KC91-154L—Consistent with past data, no contaminants were detected in this well located just north of the main building.

KC91-154U—Consistent with past data, no contaminants were detected in this well.

KC91-155L—This well, located north of the northeast portion of the main building, contained no contamination. Previously, however, low levels of 1,2-DCE and TCE have been reported on occasion.

KC91-155U—This well, located north of the northeast portion of the main building, contained 1.6 µg/L of 1,2-DCE—typical results for this location.

KC91-156L—This well, located on the west side and within the main building, was not contaminated—a result consistent with previous data.

KC91-156U—This well, located on the west side and within the main building, was not

contaminated—a result consistent with previous data.

KC91-157L—This well, located toward the northwest corner of the main building, contained 4.1 μg/L of 1,2-DCE and 2.7 μg/L of vinyl chloride—typical results for this location.

KC91-157U—This well, located toward the northwest corner of the main building, contained 1.2 μg/L of 1,2-DCE. No other contaminants were reported. Frequently, low levels of TCE are also detected.

KC91-158L—This well, located near the SE corner and inside the main building, contained 2.4 μg/L of 1,2-DCE. This is an unusual result—this well has not shown contamination previously.

KC91-158U—This well, consistent with historical data, was not contaminated.

KC91-160L—This well, located in the north-central portion of the main building, contained 1620 μg/L of 1,2-DCE, 5.2 μg/L of vinyl chloride and 200 μg/L of TCE. These results are within the range of historical data, although they support an overall decrease in contamination as suggested in the last report.

KC91-160U—This well, located in the north-central portion of the main building, contained 362μg/L of 1,2-DCE. This result is within the historical ranges for this well but may be signaling a decrease. Frequently, TCE and vinyl chloride are also reported.

KC91-163L— This well is located in the east-central portion of the main building. The primary KCP contaminants, 1,2-DCE (256 μg/L), vinyl chloride (75.1 μg/L) and TCE (16.3 μg/L) were consistent with past data. The well also contains 1,1,1-TCA (3.8 μg/L), 1,2-DCA (6.3 μg/L), 1,1-DCE (153 μg/L) and 1,1-DCA (2370 μg/L). These results are within the range of historical data.

KC91-163U— The primary KCP contaminants, 1,2-DCE (78.5 μg/L) and vinyl chloride (7.5 μg/L) are consistent with past data. TCE, often reported, was not detected. These results, consistent with the most previous data set, may be showing a decreasing trend in contamination.

KC91-165L—This well, located just south of the MSB crossover, contained 4.7 μg/L of 1,2-DCE and 80.3 μg/L of vinyl chloride. Both results suggest a decreasing trend in contamination. PCBs were not detected.

KC91-165U—This well, located just south of the MSB crossover, contained 19.8 μg/L of 1,2-DCE—results continuing an overall decreasing trend for this well. This well was also sampled for PCBs; none were detected.

KC91-168L—This well, located north of the former tank farm area, contained 140 μg/L of 1,2-DCE which is significantly higher than recent data. If correct, this result shows a reversal of what had been a clear decreasing trend.

KC91-168U—This well, consistent with previous data, was uncontaminated.

KC91-171L—This well, located just east of the former test pits, contained 3 μg/L of 1,2-DCE and 2.3 μg/L of 1,1-DCA. TCE and vinyl chloride were not detected. These results are highly unusual being one to two orders of magnitude lower than expected. Similarly, vinyl chloride and TCE are usually reported.

KC91-171U—This well, consistent with previous data, was uncontaminated.

KC91-176L—This well, located west of the former test pit area, contained 37.3 μg/L of 1,2-DCE and 8.6 μg/L of TCE. These results are typical for this well.

KC91-176U—This well, located west of the former test pit area, contained <2 μg/L of 1,2-DCE—a result typical for this location.

KC92-184L—This well, located in the southeast portion of the main building, contained 2790 μg/L of 1,2-DCE and 6470 μg/L of TCE. In terms of total VOCs, these results, consistent with the previous sampling, may be showing an increasing trend.

KC92-184U—This well contained 5.2 μg/L of 1,2-DCE. TCE, often reported, was not detected.

KC92-185L—No contaminants were detected for the second consecutive sampling period. A trace (<1 μg/L) of 1,2-DCE had been reported for the three previous periods in this well. This well is located in the southeast corner of the main building.

KC92-185U—Consistent with most historical data, no contamination was detected from this sampling.

KC92-187L— This well is located just outside the southeast corner of the main building. The primary KCP contaminants, 1,2-DCE (0.81 μg/L) and vinyl chloride (20.3 μg/L) continue the resumption of typical values after two incidents of higher than expected results.

KC92-187U— Consistent with past data, this well does not contain the primary KCP contaminants: 1,2-DCE or vinyl chloride. The well is contaminated with BTEX: benzene (49.2 μg/L), toluene (14 μg/L), ethylbenzene (250 μg/L) and xylenes (14.1 μg/L). These results are consistent with historical data for this well. 1,2-DCA, usually reported in this well, was not detected this sampling period.

KC94-191U—This well, adjacent to the east side of the main building, contained 18.1 μg/L of 1,2-DCE. TCE, which was usually reported, was not detected for the fourth straight sampling period.

KC94-192L—This source area well, located adjacent to the east side of the main building, contained 18100 μg/L of 1,2-DCE and 255000 μg/L of TCE. The result for 1,2-DCE is more than double previous values. The TCE result is unchanged. In addition, 18.7 μg/L of Aroclor 1242 were reported—a result somewhat lower, but of the same order of magnitude as previous data. Because the concentration of TCE indicates the presence of undissolved solvent, any

analyses for this well are subject to significant fluctuations.

KC94-192U—This well, located adjacent to the east side of the main building, contained 107000 µg/L of 1,2-DCE and 74600 µg/L of TCE. In addition, tetrachloroethene at 2550 µg/L and Aroclor 1242 at 3.1 µg/L were reported. These results are consistent with the highest ranges of past data.

KC94-193L—This well, located just north of the entrance gate had 47.9 µg/L of vinyl chloride—results typical for this location. 1,2-DCE is usually reported in low amounts; it was not detected this sampling period.

KC94-193U—Consistent with previous data, no contaminants were detected in this well.

KC94-195L—This well, located outside the southeast corner of the main building was uncontaminated—a result consistent with most previous data.

KC94-195U—This well, located outside the southeast corner of the main building was uncontaminated—a result consistent with previous data.

KC94-196L—This well, located in the parking lot south of the MSB, was uncontaminated—a result consistent with previous data.

KC94-197L—This well, located in the parking lot south of the MSB, was uncontaminated—a result consistent with previous data.

KC94-198L—This well, located in the parking lot south of the MSB, was uncontaminated—a result consistent with previous data.

KC94-199L—This well, located just south of the MSB, contained 75 µg/L of 1,2-DCE and 44.2 µg/L of TCE. Vinyl chloride, often reported, was not detected. Results from this well have continued to fluctuate erratically with these results being with recent ranges.

KC94-199U—No contamination was detected for the second consecutive sampling period. The sampling before these last two indicated 12.2 µg/L of vinyl chloride—a result not consistent with historical data. Thus, the vinyl chloride detection was not confirmed and is believed to be a sampling or analysis error.

KC95-201L—No contamination was reported in this well located just north of Bannister Road but in the KCP parking lot. This result is typical for this well, although a trace (<1 µg/L) of 1,2-DCE is often reported.

KC95-202L—This well, located south of the main building and west of the area suspected of groundwater contamination was uncontaminated—a result consistent with historical data.

KC95-202U—Consistent with historical data, this well was uncontaminated.

KC97-209L—This well, located north of buildings 91 and 72, contained 1770 µg/L of 1,2-DCE, µg/L of 66.2 1,1-DCA and 912 µg/L of vinyl chloride. These results reverse a three-to-four year declining trend and are the highest values reported in the past six years. Moreover, total VOCs are approximately double the highest result from that period.

KC97-209U—This well contained 192 µg/L of 1,2-DCE, 1.4 µg/L of TCE and 171 µg/L of vinyl chloride. These results are generally consistent with past data but are among the lowest reported and appear to continue a declining trend.

KC98-227L— This well is located in the southeast corner of the parking lot in front of the south entrance station. Consistent with past data, none of the KCP primary contaminants were detected.

KC98-227U—This well was uncontaminated—a result consistent with previous data.

KC98-228L—This well, located in the parking lot south of building 13, was not contaminated—a result consistent with past data.

KC98-228U—This well was uncontaminated—a result consistent with previous data.

KC98-229L—This well, located in the parking lot south of building 13, was not contaminated—a result consistent with past data.

KC98-229U—This well was uncontaminated—a result consistent with previous data.

KC99-230L—This well, located in the parking lot south of building 13, was not contaminated—a result consistent with past data.

KC99-230U—This well was uncontaminated—a result consistent with previous data.

KC98-233L—This well, located south of Bannister road, was not contaminated—a result consistent with historical data.

KC99-235L—This pumping well, located south of the MSB, contained 845 µg/L of 1,2-DCE, 46.5 µg/L of TCE and 101 µg/L of vinyl chloride. For the second consecutive sampling period, these results are higher than all recent samplings of this well which has had very erratic results in the past. PCBs were also sampled for this well; none were detected.

KC99-236L—This pumping well, located south of the MSB contained 2.1 µg/L of 1,2-DCE and no other contaminants. This is the second consecutive similar result after a sampling that had the highest values recorded for the well. Data had indicated the area surrounding the well had been cleaned. These data return to suggesting that possibility.

KC01-271L—This pumping well, located near the former tank farm, contained 2400 µg/L of 1,2-DCE, 151 µg/L of TCE and 160 µg/L of vinyl chloride. These results show an order of magnitude increase in 1,2-DCE and nearly an order of magnitude for TCE.

KC01-276L—This pumping well, located just east of the main building and north of the crossover, contained 3150 µg/L of 1,2-DCE, 11700 µg/L of TCE and 259 µg/L of tetrachloroethene. Usually reported, but not detected, was vinyl chloride. These results indicate major decreases, but the well has had very erratic data historically. PCB-1242 (88.8 µg/L) was also reported and is also consistent with historical data.

OW-001—This well, located near the north guard station, contained 167 µg/L of 1,2-DCE, 4.7 µg/L of 1,1-DCA and 14 µg/L of vinyl chloride. These results are consistent with past data. The well also contained 24.5 µg/L of chlorobenzene and 8.6 µg/L of 1,2-dichlorobenzene. Although reported sporadically elsewhere at the KCP, chlorobenzene and 1,2-dichlorobenzene are consistently reported in this well.

The ICFS monitoring data can be summarized as follows:
The general configuration of the contaminant plume has not changed although several wells have shown unusual results that should be checked. For example, well KC91-158L is not in a contaminated area, hence, the report of 1,2-DCE in this well should be confirmed. Similarly, well KC91-168L, located north of the former tank farm area, reportedly contained significantly more 1,2-DCE than recent data. If correct, this result shows a reversal of what had been a clear decreasing trend.

Several highly contaminated wells also showed increases. The results for KC97-209L appeared to reverse a three-to-four year declining trend and are the highest values reported in the past six years with total VOCs approximately double the highest result from that period. Additionally, two pumping wells showed similar data. KC99-235L, located south of the MSB, had results higher than all recent samplings and KC01-271L, located near the former tank farm, showed an order of magnitude increase in 1,2-DCE and nearly an order of magnitude for TCE. Finally, GS01-503L has shown significant fluctuation and probably should be re-checked.

The only well showing an unusual decrease was KC91-171L, located just east of the former test pits. Results were highly unusual being one to two orders of magnitude lower than expected.

The highest priority wells for confirmation sampling are probably KC91-158L, GS01-503L, KC91-168L, KC97-209L and KC91-171L. Because of impacts to treatment plans, KC99-235L and KC01-271L should also be considered.

Finally, it continues worth noting that source area wells 192L and 192U continue to indicate no depletion of the source.

Appendix C

Groundwater Treatment System VOC/PCB Summary Tables

Date: 01/18/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST	IBF Grab	IBF PRL		EFF Grab	EFF PRL
1,1,1-Trichloroethane	<	5.0		<	0.5
1,1,2,2-Tetrachloroethane	<	5.0		<	0.5
1,1,2-Trichloroethane	<	5.0		<	0.5
1,1-Dichloroethane	<	7.0		2.0	0.7
1,1-Dichloroethene	<	13.0		<	1.3
1,2-Dichlorobenzene	<	10.0		<	1.0
1,2-Dichloroethane	<	5.0		<	0.5
1,2-Dichloroethene (Total)	426.0	50.0		145.0	5.0
1,2-Dichloropropane	<	5.0		<	0.5
1,3-Dichlorobenzene	<	10.0	*	<	1.0
1,4-Dichlorobenzene	<	10.0	*	<	1.0
2-Butanone	<	50.0		<	5.0
2-Hexanone	<	50.0		<	5.0
4-Methyl-2-Pentanone	<	50.0		<	5.0
Acetone	<	100.0		<	10.0
Benzene	<	20.0		<	2.0
Bromodichloromethane	<	10.0		<	1.0
Bromoform	<	20.0		<	2.0
Bromomethane	<	30.0		<	3.0
Carbon Disulfide	<	50.0		<	5.0
Carbon Tetrachloride	<	12.0		<	1.2
Chlorobenzene	<	7.0		<	0.7
Chloroethane	<	52.0		<	5.2
Chloroform	<	5.0		<	0.5
Chloromethane	<	8.0		<	0.8
Dibromochloromethane	<	9.0		<	0.9
Ethylbenzene	<	20.0		<	2.0
Freon 113	<	10.0		<	1.0
Methylene Chloride	<	25.0		<	2.5
Styrene	<	50.0		<	5.0
Tetrachloroethene	<	5.0		<	0.5
Toluene	<	20.0		<	2.0
Trichloroethene	32.6	12.0		11.3	1.2
Trichlorofluoromethane	<	50.0		<	5.0
Vinyl Chloride	27.0	18.0		3.2	1.8
Xylene (Total)	<	70.0		<	7.0
cis-1,3-Dichloropropene	<	34.0		<	3.4
trans-1,3-Dichloropropene	<	6.0		<	0.6
Total VOCs	485.60			161.50	
Total PCBs	0.00			0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

* = [L3] Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias. - [M0] Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory

Date: 02/22/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST	IBF Grab	IBF PRL	EFF Grab	EFF PRL
1,1,1-Trichloroethane	<	2.5	<	0.5
1,1,2,2-Tetrachloroethane	<	2.5	<	0.5
1,1,2-Trichloroethane	<	2.5	<	0.5
1,1-Dichloroethane	<	3.5	2.3	0.7
1,1-Dichloroethene	<	6.5	<	1.3
1,2-Dichlorobenzene	<	5.0	<	1.0
1,2-Dichloroethane	<	2.5	<	0.5
1,2-Dichloroethene (Total)	383.0	25.0	49.2	5.0
1,2-Dichloropropane	<	2.5	<	0.5
1,3-Dichlorobenzene	<	5.0	<	1.0
1,4-Dichlorobenzene	<	5.0	<	1.0
2-Butanone	<	25.0	<	5.0
2-Hexanone	<	25.0	<	5.0
4-Methyl-2-Pentanone	<	25.0	<	5.0
Acetone	<	50.0	21.4	10.0
Benzene	<	10.0	<	2.0
Bromodichloromethane	<	5.0	<	1.0
Bromoform	<	10.0	<	2.0
Bromomethane	<	15.0	<	3.0
Carbon Disulfide	<	25.0	<	5.0
Carbon Tetrachloride	<	6.0	<	1.2
Chlorobenzene	<	3.5	<	0.7
Chloroethane	<	26.0	<	5.2
Chloroform	<	2.5	<	0.5
Chloromethane	<	4.0	<	0.8
Dibromochloromethane	<	4.5	<	0.9
Ethylbenzene	<	10.0	<	2.0
Freon 113	<	5.0	<	1.0
Methylene Chloride	<	12.5	<	2.5
Styrene	<	25.0	<	5.0
Tetrachloroethene	<	2.5	<	0.5
Toluene	<	10.0	<	2.0
Trichloroethene	19.3	6.0	3.2	1.2
Trichlorofluoromethane	<	25.0	<	5.0
Vinyl Chloride	22.2	9.0	<	1.8
Xylene (Total)	<	35.0	<	7.0
cis-1,3-Dichloropropene	<	17.0	<	3.4
trans-1,3-Dichloropropene	<	3.0	<	0.6
Total VOCs	424.50		76.10	
Total PCBs	0.00		0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

Date: 03/15/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST	IBF Grab	IBF PRL	EFF Grab	EFF PRL
1,1,1-Trichloroethane	<	2.5	<	0.5
1,1,2,2-Tetrachloroethane	<	2.5	<	0.5
1,1,2-Trichloroethane	<	2.5	<	0.5
1,1-Dichloroethane	<	3.5	2.9	0.7
1,1-Dichloroethene	<	6.5	<	1.3
1,2-Dichlorobenzene	<	5.0	<	1.0
1,2-Dichloroethane	<	2.5	<	0.5
1,2-Dichloroethene (Total)	646.0	25.0	74.5	5.0
1,2-Dichloropropane	<	2.5	<	0.5
1,3-Dichlorobenzene	<	5.0	<	1.0
1,4-Dichlorobenzene	<	5.0	<	1.0
2-Butanone	<	25.0	<	5.0
2-Hexanone	<	25.0	<	5.0
4-Methyl-2-Pentanone	<	25.0	<	5.0
Acetone	<	50.0	<	10.0
Benzene	<	10.0	<	2.0
Bromodichloromethane	<	5.0	<	1.0
Bromoform	<	10.0	<	2.0
Bromomethane	<	15.0	<	3.0
Carbon Disulfide	<	25.0	<	5.0
Carbon Tetrachloride	<	6.0	<	1.2
Chlorobenzene	<	3.5	<	0.7
Chloroethane	<	26.0	<	5.2
Chloroform	<	2.5	<	0.5
Chloromethane	<	4.0	<	0.8
Dibromochloromethane	<	4.5	<	0.9
Ethylbenzene	<	10.0	<	2.0
Freon 113	<	5.0	<	1.0
Methylene Chloride	15.1	12.5	<	2.5
Styrene	<	25.0	<	5.0
Tetrachloroethene	<	2.5	<	0.5
Toluene	<	10.0	<	2.0
Trichloroethene	29.3	6.0	4.0	1.2
Trichlorofluoromethane	<	25.0	<	5.0
Vinyl Chloride	116.0	9.0	4.3	1.8
Xylene (Total)	<	35.0	<	7.0
cis-1,3-Dichloropropene	<	17.0	<	3.4
trans-1,3-Dichloropropene	<	3.0	<	0.6
Total VOCs	806.40		85.70	
Total PCBs	0.00		0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

Date: 04/19/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST	IBF Grab	IBF PRL	EFF Grab	EFF PRL
1,1,1-Trichloroethane	<	2.5	<	0.5
1,1,2,2-Tetrachloroethane	<	2.5	<	0.5
1,1,2-Trichloroethane	<	2.5	<	0.5
1,1-Dichloroethane	<	3.5	3.0	0.7
1,1-Dichloroethene	<	6.5	<	1.3
1,2-Dichlorobenzene	<	5.0	<	1.0
1,2-Dichloroethane	<	2.5	<	0.5
1,2-Dichloroethene (Total)	1430.0	50.0	146.0	5.0
1,2-Dichloropropane	<	2.5	<	0.5
1,3-Dichlorobenzene	<	5.0	<	1.0
1,4-Dichlorobenzene	<	5.0	<	1.0
2-Butanone	<	25.0	<	5.0
2-Hexanone	<	25.0	<	5.0
4-Methyl-2-Pentanone	<	25.0	<	5.0
Acetone	<	50.0	<	10.0
Benzene	<	10.0	<	2.0
Bromodichloromethane	<	5.0	<	1.0
Bromoform	<	10.0	<	2.0
Bromomethane	<	15.0	<	3.0
Carbon Disulfide	<	25.0	<	5.0
Carbon Tetrachloride	<	6.0	<	1.2
Chlorobenzene	<	3.5	<	0.7
Chloroethane	<	26.0	<	5.2
Chloroform	<	2.5	<	0.5
Chloromethane	<	4.0	<	0.8
Dibromochloromethane	<	4.5	<	0.9
Ethylbenzene	<	10.0	<	2.0
Freon 113	<	5.0	<	1.0
Methylene Chloride	<	12.5	<	2.5
Styrene	<	25.0	<	5.0
Tetrachloroethene	<	2.5	<	0.5
Toluene	<	10.0	<	2.0
Trichloroethene	29.2	6.0	4.0	1.2
Trichlorofluoromethane	<	25.0	<	5.0
Vinyl Chloride	58.8	9.0	2.5	1.8
Xylene (Total)	<	35.0	<	7.0
cis-1,3-Dichloropropene	<	17.0	<	3.4
trans-1,3-Dichloropropene	<	3.0	<	0.6
Total VOCs	1518.00		155.50	
Total PCBs	0.00		0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

Date: 06/21/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST	IBF Grab	IBF PRL	EFF Grab	EFF PRL
1,1,1-Trichloroethane	<	2.5	<	0.5
1,1,2,2-Tetrachloroethane	<	2.5	<	0.5
1,1,2-Trichloroethane	<	2.5	<	0.5
1,1-Dichloroethane	<	3.5	0.8	0.7
1,1-Dichloroethene	<	6.5	<	1.3
1,2-Dichlorobenzene	<	5.0	<	1.0
1,2-Dichloroethane	<	2.5	<	0.5
1,2-Dichloroethene (Total)	685.0	25.0	65.8	5.0
1,2-Dichloropropane	<	2.5	<	0.5
1,3-Dichlorobenzene	<	5.0	<	1.0
1,4-Dichlorobenzene	<	5.0	<	1.0
2-Butanone	<	25.0	<	5.0
2-Hexanone	<	25.0	<	5.0
4-Methyl-2-Pentanone	<	25.0	<	5.0
Acetone	<	50.0	<	10.0
Benzene	<	10.0	<	2.0
Bromodichloromethane	<	5.0	<	1.0
Bromoform	<	10.0	<	2.0
Bromomethane	<	15.0	<	3.0
Carbon Disulfide	<	25.0	<	5.0
Carbon Tetrachloride	<	6.0	<	1.2
Chlorobenzene	<	3.5	<	0.7
Chloroethane	<	26.0	<	5.2
Chloroform	<	2.5	<	0.5
Chloromethane	<	4.0	<	0.8
Dibromochloromethane	<	4.5	<	0.9
Ethylbenzene	<	10.0	<	2.0
Freon 113	<	5.0	<	1.0
Methylene Chloride	<	12.5	<	2.5
Styrene	<	25.0	<	5.0
Tetrachloroethene	<	2.5	<	0.5
Toluene	<	10.0	<	2.0
Trichloroethene	11.0	6.0	1.3	1.2
Trichlorofluoromethane	<	25.0	<	5.0
Vinyl Chloride	50.6	9.0	2.0	1.8
Xylene (Total)	<	35.0	<	7.0
cis-1,3-Dichloropropene	<	17.0	<	3.4
trans-1,3-Dichloropropene	<	3.0	<	0.6
Total VOCs	746.60		69.89	
Total PCBs	0.88		0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

Date: 07/13/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST	IBF Grab	IBF PRL	EFF Grab	EFF PRL
1,1,1-Trichloroethane	<	2.5	<	0.5
1,1,2,2-Tetrachloroethane	<	2.5	<	0.5
1,1,2-Trichloroethane	<	2.5	<	0.5
1,1-Dichloroethane	3.6	3.5	2.6	0.7
1,1-Dichloroethene	<	6.5	<	1.3
1,2-Dichlorobenzene	<	5.0	<	1.0
1,2-Dichloroethane	<	2.5	<	0.5
1,2-Dichloroethene (Total)	647.0	25.0	7.0	5.0
1,2-Dichloropropane	<	2.5	<	0.5
1,3-Dichlorobenzene	<	5.0	<	1.0
1,4-Dichlorobenzene	<	5.0	<	1.0
2-Butanone	<	25.0	<	5.0
2-Hexanone	<	25.0	<	5.0
4-Methyl-2-Pentanone	<	25.0	<	5.0
Acetone	<	50.0	<	10.0
Benzene	<	10.0	<	2.0
Bromodichloromethane	<	5.0	<	1.0
Bromoform	<	10.0	<	2.0
Bromomethane	<	15.0	<	3.0
Carbon Disulfide	<	25.0	<	5.0
Carbon Tetrachloride	<	6.0	<	1.2
Chlorobenzene	<	3.5	<	0.7
Chloroethane	<	26.0	<	5.2
Chloroform	<	2.5	<	0.5
Chloromethane	<	4.0	<	0.8
Dibromochloromethane	<	4.5	<	0.9
Ethylbenzene	<	10.0	<	2.0
Freon 113	<	5.0	<	1.0
Methylene Chloride	<	12.5	<	2.5
Styrene	<	25.0	<	5.0
Tetrachloroethene	<	2.5	<	0.5
Toluene	<	10.0	<	2.0
Trichloroethene	12.2	6.0	<	1.2
Trichlorofluoromethane	<	25.0	<	5.0
Vinyl Chloride	154.0	9.0	<	1.8
Xylene (Total)	<	35.0	<	7.0
cis-1,3-Dichloropropene	<	17.0	<	3.4
trans-1,3-Dichloropropene	<	3.0	<	0.6
Total VOCs	816.80		9.60	
Total PCBs	0.00		0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

Date: 07/19/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST	IBF Grab	IBF PRL	EFF Grab	EFF PRL
1,1,1-Trichloroethane	<	2.5	<	0.5
1,1,2,2-Tetrachloroethane	<	2.5	<	0.5
1,1,2-Trichloroethane	<	2.5	<	0.5
1,1-Dichloroethane	<	3.5	1.2	0.7
1,1-Dichloroethene	<	6.5	<	1.3
1,2-Dichlorobenzene	<	5.0	<	1.0
1,2-Dichloroethane	<	2.5	<	0.5
1,2-Dichloroethene (Total)	824.0	25.0	25.1	5.0
1,2-Dichloropropane	<	2.5	<	0.5
1,3-Dichlorobenzene	<	5.0	<	1.0
1,4-Dichlorobenzene	<	5.0	<	1.0
2-Butanone	<	25.0	<	5.0
2-Hexanone	<	25.0	<	5.0
4-Methyl-2-Pentanone	<	25.0	<	5.0
Acetone	<	50.0	<	10.0
Benzene	<	10.0	<	2.0
Bromodichloromethane	<	5.0	<	1.0
Bromoform	<	10.0	<	2.0
Bromomethane	<	15.0	<	3.0
Carbon Disulfide	<	25.0	<	5.0
Carbon Tetrachloride	<	6.0	<	1.2
Chlorobenzene	<	3.5	<	0.7
Chloroethane	<	26.0	<	5.2
Chloroform	<	2.5	<	0.5
Chloromethane	<	4.0	<	0.8
Dibromochloromethane	<	4.5	<	0.9
Ethylbenzene	<	10.0	<	2.0
Freon 113	<	5.0	<	1.0
Methylene Chloride	<	12.5	<	2.5
Styrene	<	25.0	<	5.0
Tetrachloroethene	<	2.5	<	0.5
Toluene	<	10.0	<	2.0
Trichloroethene	10.8	6.0	<	1.2
Trichlorofluoromethane	<	25.0	<	5.0
Vinyl Chloride	142.0	9.0	<	1.8
Xylene (Total)	<	35.0	<	7.0
cis-1,3-Dichloropropene	<	17.0	<	3.4
trans-1,3-Dichloropropene	<	3.0	<	0.6
Total VOCs	976.80		26.30	
Total PCBs	0.00		0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

Date: 08/04/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST	IBF Grab	IBF PRL	EFF Grab	EFF PRL
1,1,1-Trichloroethane	<	0.5	<	0.5
1,1,2,2-Tetrachloroethane	<	0.5	<	0.5
1,1,2-Trichloroethane	<	0.5	<	0.5
1,1-Dichloroethane	2.9	0.7	2.5	0.7
1,1-Dichloroethene	<	1.3	<	1.3
1,2-Dichlorobenzene	<	1.0	<	1.0
1,2-Dichloroethane	<	0.5	<	0.5
1,2-Dichloroethene (Total)	801.0	50.0	25.2	5.0
1,2-Dichloropropane	<	0.5	<	0.5
1,3-Dichlorobenzene	<	1.0	<	1.0
1,4-Dichlorobenzene	<	1.0	<	1.0
2-Butanone	<	5.0	<	5.0
2-Hexanone	<	5.0	<	5.0
4-Methyl-2-Pentanone	<	5.0	<	5.0
Acetone	<	10.0	<	10.0
Benzene	<	2.0	<	2.0
Bromodichloromethane	<	1.0	<	1.0
Bromoform	<	2.0	<	2.0
Bromomethane	<	3.0	<	3.0
Carbon Disulfide	<	5.0	<	5.0
Carbon Tetrachloride	<	1.2	<	1.2
Chlorobenzene	<	0.7	<	0.7
Chloroethane	<	5.2	<	5.2
Chloroform	<	0.5	<	0.5
Chloromethane	<	0.8	<	0.8
Dibromochloromethane	<	0.9	<	0.9
Ethylbenzene	<	2.0	<	2.0
Freon 113	<	1.0	<	1.0
Methylene Chloride	<	2.5	<	2.5
Styrene	<	5.0	<	5.0
Tetrachloroethene	<	0.5	<	0.5
Toluene	<	2.0	<	2.0
Trichloroethene	17.1	1.2	<	1.2
Trichlorofluoromethane	<	5.0	<	5.0
Vinyl Chloride	200.0	1.8	<	1.8
Xylene (Total)	<	7.0	<	7.0
cis-1,3-Dichloropropene	<	3.4	<	3.4
trans-1,3-Dichloropropene	<	0.6	<	0.6
Total VOCs	1021.00		27.70	
Total PCBs	0.00		0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

Date: 09/06/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST		IBF Grab	IBF PRL		EFF Grab	EFF PRL
1,1,1-Trichloroethane		<	5.0		<	0.5
1,1,2,2-Tetrachloroethane	*	<	5.0	*	<	0.5
1,1,2-Trichloroethane		<	5.0		<	0.5
1,1-Dichloroethane		<	7.0		2.6	0.7
1,1-Dichloroethene		<	13.0		<	1.3
1,2-Dichlorobenzene		<	10.0		<	1.0
1,2-Dichloroethane		<	5.0		<	0.5
1,2-Dichloroethene (Total)		987.0	50.0		25.7	5.0
1,2-Dichloropropane		<	5.0		<	0.5
1,3-Dichlorobenzene		<	10.0		<	1.0
1,4-Dichlorobenzene		<	10.0		<	1.0
2-Butanone		<	50.0		<	5.0
2-Hexanone		<	50.0		<	5.0
4-Methyl-2-Pentanone		<	50.0		<	5.0
Acetone		<	100.0		<	10.0
Benzene		<	20.0		<	2.0
Bromodichloromethane		<	10.0		<	1.0
Bromoform		<	20.0		<	2.0
Bromomethane		<	30.0		<	3.0
Carbon Disulfide		<	50.0		<	5.0
Carbon Tetrachloride		<	12.0		<	1.2
Chlorobenzene		<	7.0		<	0.7
Chloroethane		<	52.0		<	5.2
Chloroform		<	5.0		<	0.5
Chloromethane		<	8.0		<	0.8
Dibromochloromethane		<	9.0		<	0.9
Ethylbenzene		<	20.0		<	2.0
Freon 113		<	10.0		<	1.0
Methylene Chloride		<	25.0		<	2.5
Styrene		<	50.0		<	5.0
Tetrachloroethene		<	5.0		<	0.5
Toluene		<	20.0		<	2.0
Trichloroethene		38.6	12.0		1.8	1.2
Trichlorofluoromethane		<	50.0		<	5.0
Vinyl Chloride		44.4	18.0		<	1.8
Xylene (Total)		<	70.0		<	7.0
cis-1,3-Dichloropropene		<	34.0		<	3.4
trans-1,3-Dichloropropene		<	6.0		<	0.6
Total VOCs		1070.00			30.10	
Total PCBs		0.00			0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

* = [L2] Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

Date: 09/27/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST	IBF Grab	IBF PRL	EFF Grab	EFF PRL
1,1,1-Trichloroethane			<	0.5
1,1,2,2-Tetrachloroethane			<	0.5
1,1,2-Trichloroethane			<	0.5
1,1-Dichloroethane			2.8	0.7
1,1-Dichloroethene			<	1.3
1,2-Dichlorobenzene			<	1.0
1,2-Dichloroethane			<	0.5
1,2-Dichloroethene (Total)			95.1	5.0
1,2-Dichloropropane			<	0.5
1,3-Dichlorobenzene			<	1.0
1,4-Dichlorobenzene			<	1.0
2-Butanone			<	5.0
2-Hexanone			<	5.0
4-Methyl-2-Pentanone			<	5.0
Acetone			<	10.0
Benzene			<	2.0
Bromodichloromethane			<	1.0
Bromoform			<	2.0
Bromomethane			<	3.0
Carbon Disulfide			<	5.0
Carbon Tetrachloride			<	1.2
Chlorobenzene			<	0.7
Chloroethane			<	5.2
Chloroform			<	0.5
Chloromethane			<	0.8
Dibromochloromethane			<	0.9
Ethylbenzene			<	2.0
Freon 113			<	1.0
Methylene Chloride			<	2.5
Styrene			<	5.0
Tetrachloroethene			<	0.5
Toluene			<	2.0
Trichloroethene			3.6	1.2
Trichlorofluoromethane			<	5.0
Vinyl Chloride			2.0	1.8
Xylene (Total)			<	7.0
cis-1,3-Dichloropropene			<	3.4
trans-1,3-Dichloropropene			<	0.6
Total VOCs	0.00		103.50	
Total PCBs	0.00		0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

Date: 10/11/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST	IBF Grab	IBF PRL	EFF Grab	EFF PRL
1,1,1-Trichloroethane	<	5.0	<	0.5
1,1,2,2-Tetrachloroethane	<	5.0	<	0.5
1,1,2-Trichloroethane	<	5.0	<	0.5
1,1-Dichloroethane	<	7.0	2.2	0.7
1,1-Dichloroethene	<	13.0	<	1.3
1,2-Dichlorobenzene	<	10.0	<	1.0
1,2-Dichloroethane	<	5.0	<	0.5
1,2-Dichloroethene (Total)	949.0	50.0	91.5	5.0
1,2-Dichloropropane	<	5.0	<	0.5
1,3-Dichlorobenzene	<	10.0	<	1.0
1,4-Dichlorobenzene	<	10.0	<	1.0
2-Butanone	<	50.0	<	5.0
2-Hexanone	<	50.0	<	5.0
4-Methyl-2-Pentanone	<	50.0	<	5.0
Acetone	<	100.0	14.8	10.0
Benzene	<	20.0	<	2.0
Bromodichloromethane	<	10.0	<	1.0
Bromoform	<	20.0	<	2.0
Bromomethane	<	30.0	<	3.0
Carbon Disulfide	<	50.0	<	5.0
Carbon Tetrachloride	<	12.0	<	1.2
Chlorobenzene	<	7.0	<	0.7
Chloroethane	<	52.0	<	5.2
Chloroform	<	5.0	<	0.5
Chloromethane	<	8.0	<	0.8
Dibromochloromethane	<	9.0	<	0.9
Ethylbenzene	<	20.0	<	2.0
Freon 113	<	10.0	<	1.0
Methylene Chloride	<	25.0	<	2.5
Styrene	<	50.0	<	5.0
Tetrachloroethene	<	5.0	<	0.5
Toluene	<	20.0	<	2.0
Trichloroethene	30.1	12.0	4.1	1.2
Trichlorofluoromethane	<	50.0	<	5.0
Vinyl Chloride	76.0	18.0	<	1.8
Xylene (Total)	<	70.0	<	7.0
cis-1,3-Dichloropropene	<	34.0	<	3.4
trans-1,3-Dichloropropene	<	6.0	<	0.6
Total VOCs	1055.10		112.60	
Total PCBs	0.00		0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

Date: 11/01/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST	IBF Grab	IBF PRL	EFF Grab	EFF PRL
1,1,1-Trichloroethane	<	5.0	<	0.5
1,1,2,2-Tetrachloroethane	<	5.0	<	0.5
1,1,2-Trichloroethane	<	5.0	<	0.5
1,1-Dichloroethane	<	7.0	3.0	0.7
1,1-Dichloroethene	<	13.0	<	1.3
1,2-Dichlorobenzene	<	10.0	<	1.0
1,2-Dichloroethane	<	5.0	<	0.5
1,2-Dichloroethene (Total)	874.0	50.0	109.0	5.0
1,2-Dichloropropane	<	5.0	<	0.5
1,3-Dichlorobenzene	<	10.0	<	1.0
1,4-Dichlorobenzene	<	10.0	<	1.0
2-Butanone	<	50.0	<	5.0
2-Hexanone	<	50.0	<	5.0
4-Methyl-2-Pentanone	<	50.0	<	5.0
Acetone	<	100.0	<	10.0
Benzene	<	20.0	<	2.0
Bromodichloromethane	<	10.0	<	1.0
Bromoform	<	20.0	<	2.0
Bromomethane	<	30.0	<	3.0
Carbon Disulfide	<	50.0	<	5.0
Carbon Tetrachloride	<	12.0	<	1.2
Chlorobenzene	<	7.0	<	0.7
Chloroethane	<	52.0	<	5.2
Chloroform	<	5.0	<	0.5
Chloromethane	<	8.0	<	0.8
Dibromochloromethane	<	9.0	<	0.9
Ethylbenzene	<	20.0	<	2.0
Freon 113	<	10.0	<	1.0
Methylene Chloride	<	25.0	<	2.5
Styrene	<	50.0	<	5.0
Tetrachloroethene	<	5.0	<	0.5
Toluene	<	20.0	<	2.0
Trichloroethene	40.8	12.0	6.5	1.2
Trichlorofluoromethane	<	50.0	<	5.0
Vinyl Chloride	28.6	18.0	<	1.8
Xylene (Total)	<	70.0	<	7.0
cis-1,3-Dichloropropene	<	34.0	<	3.4
trans-1,3-Dichloropropene	<	6.0	<	0.6
Total VOCs	943.40		118.50	
Total PCBs	0.00		0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

Date: 12/07/2011

UV / PEROXIDE
WEEKLY VOC ANALYSIS
(All results in ug/L)

VOC LIST		IBF Grab	IBF PRL		EFF Grab	EFF PRL
1,1,1-Trichloroethane		<	5.0		<	0.5
1,1,2,2-Tetrachloroethane		<	5.0		<	0.5
1,1,2-Trichloroethane		<	5.0		<	0.5
1,1-Dichloroethane		<	7.0		2.6	0.7
1,1-Dichloroethene		<	13.0		<	1.3
1,2-Dichlorobenzene		<	10.0		<	1.0
1,2-Dichloroethane		<	5.0		<	0.5
1,2-Dichloroethene (Total)		828.0	50.0		109.0	5.0
1,2-Dichloropropane		<	5.0		<	0.5
1,3-Dichlorobenzene		<	10.0		<	1.0
1,4-Dichlorobenzene		<	10.0		<	1.0
2-Butanone		<	50.0		<	5.0
2-Hexanone		<	50.0		<	5.0
4-Methyl-2-Pentanone		<	50.0		<	5.0
Acetone	*	<	100.0	*	<	10.0
Benzene		<	20.0		<	2.0
Bromodichloromethane		<	10.0		<	1.0
Bromoform		<	20.0		<	2.0
Bromomethane		<	30.0		<	3.0
Carbon Disulfide		<	50.0		<	5.0
Carbon Tetrachloride		<	12.0		<	1.2
Chlorobenzene		<	7.0		<	0.7
Chloroethane		<	52.0		<	5.2
Chloroform		<	5.0		<	0.5
Chloromethane		<	8.0		<	0.8
Dibromochloromethane		<	9.0		<	0.9
Ethylbenzene		<	20.0		<	2.0
Freon 113		<	10.0		<	1.0
Methylene Chloride		<	25.0		<	2.5
Styrene		<	50.0		<	5.0
Tetrachloroethene		<	5.0		<	0.5
Toluene		<	20.0		<	2.0
Trichloroethene		<	12.0		1.8	1.2
Trichlorofluoromethane		<	50.0		<	5.0
Vinyl Chloride		53.7	18.0		3.0	1.8
Xylene (Total)		<	70.0		<	7.0
cis-1,3-Dichloropropene		<	34.0		<	3.4
trans-1,3-Dichloropropene		<	6.0		<	0.6
Total VOCs		881.70			116.40	
Total PCBs		0.00			0.00	

PRL = Pace Reporting Limit
IBF = Influent Before Filter
EFF = Effluent

* = [L3] Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
* = [L1] Analyte recovery in the laboratory control sample (LCS) was above QC limits.

Appendix D

Stormwater Outfall 002
Annual Data Summary

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	2/15/2011	1:45:00 PM		pH	8.00	Std.
				Temperature	46.4	F
			grab	PCB-1016 (Aroclor 1016)	< 0.52000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.52000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.52000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.52000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.52000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.52000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.52000	ug/L
	2/24/2011	10:24:00 AM		pH	7.90	Std.
				Temperature	33.1	F
			grab	Oil and Grease	< 5.00000	mg/L
				PCB-1016 (Aroclor 1016)	<116.00000	ug/L
				PCB-1221 (Aroclor 1221)	<116.00000	ug/L
				PCB-1232 (Aroclor 1232)	<116.00000	ug/L
				PCB-1242 (Aroclor 1242)	<116.00000	ug/L
				PCB-1248 (Aroclor 1248)	<116.00000	ug/L
				PCB-1254 (Aroclor 1254)	<116.00000	ug/L
				PCB-1260 (Aroclor 1260)	<116.00000	ug/L
	2/27/2011	11:38:00 AM		pH	6.60	Std.
				Temperature	34.7	F
			grab	1,2-Dichloroethene (Total)	< 1.00000	ug/L
				Aluminum	< 75.00000	ug/L
				Aluminum, Dissolved	< 75.00000	ug/L
				Chromium	< 5.00000	ug/L
				Mercury	< 0.20000	ug/L
				Oil and Grease	< 5.00000	mg/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Total Settleable Solids	< 0.20000	mL/L/
				Trichloroethene	< 1.00000	ug/L
				Vinyl Chloride	< 1.00000	ug/L
	3/8/2011	12:50:00 PM		pH	7.60	Std.
				Temperature	42.1	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	3/14/2011	2:50:00 AM		pH	6.90	Std.
				Temperature	39.6	F
			grab	Oil and Grease	< 5.00000	mg/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	3/14/2011	2:50:00 AM	grab	PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Total Settleable Solids	< 0.20000	mL/L/
	3/25/2011	5:05:00 AM		pH	7.00	Std.
				Temperature	44.4	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	3/28/2011	10:53:00 AM		pH	6.80	Std.
				Temperature	42.4	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	4/3/2011	9:24:00 PM		pH	7.00	Std.
				Temperature	53.4	F
			grab	Oil and Grease	< 5.00000	mg/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Total Settleable Solids	< 0.20000	mL/L/
	4/16/2011	4:13:00 AM		pH	6.80	Std.
				Temperature	45.1	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	4/21/2011	6:38:00 PM		pH	6.80	Std.
				Temperature	55.6	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	4/25/2011	8:58:00 AM		pH	7.10	Std.
				Temperature	55.9	F

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	4/25/2011	8:58:00 AM	grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	5/5/2011	9:37:00 AM		pH	7.00	Std.
				Temperature	59.7	F
			grab	1,2-Dichloroethene (Total)	< 1.00000	ug/L
				Aluminum	204.00000	ug/L
				Aluminum, Dissolved	< 75.00000	ug/L
				Arsenic	< 10.00000	ug/L
				Barium	< 10.00000	ug/L
				Beryllium	< 1.00000	ug/L
				Biochemical Oxygen Demand, 5d	3.30000	mg/L
				Boron	<100.00000	ug/L
				Chemical oxygen demand	27.40000	mg/L
				Chlorine, Total Residual	< 0.05000	mg/L
				Chromium	< 5.00000	ug/L
				Cobalt	< 5.00000	ug/L
				Copper	< 10.00000	ug/L
				Cyanide	< 0.00500	mg/L
				Iron	215.00000	ug/L
				Lead	< 5.00000	ug/L
				Mercury	< 0.20000	ug/L
				Nickel	< 5.00000	ug/L
				Nitrate as N	0.26000	mg/L
				Nitrite as N	< 0.10000	mg/L
				Nitrogen, Ammonia	0.28000	mg/L
				Nitrogen, Nitrate	0.23000	mg/L
				Nitrogen, Nitrite	< 0.10000	mg/L
				Oil and Grease	< 5.00000	mg/L
				Oil and Grease	< 5.00000	mg/L
				PCB-001	< 0.22100	ng/L
				PCB-002	< 0.22100	ng/L
				PCB-003	< 0.22100	ng/L
				PCB-004	1.63000	ng/L
				PCB-005	< 0.22100	ng/L
				PCB-006	0.34400	ng/L
				PCB-007	< 0.22100	ng/L
				PCB-008	0.82400	ng/L
				PCB-009	< 0.22100	ng/L
				PCB-010	< 0.22100	ng/L
				PCB-011	< 1.32000	ng/L
				PCB-012	< 0.44100	ng/L
				PCB-014	< 0.22100	ng/L
				PCB-015	0.62500	ng/L
				PCB-016	0.36800	ng/L
				PCB-017	0.46500	ng/L
				PCB-018	1.11000	ng/L
				PCB-019	0.61900	ng/L
				PCB-020	1.80000	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	5/5/2011	9:37:00 AM	grab	PCB-021	< 0.44100	ng/L
				PCB-022	0.73400	ng/L
				PCB-023	< 0.22100	ng/L
				PCB-024	< 0.22100	ng/L
				PCB-025	< 0.22100	ng/L
				PCB-026	< 0.44100	ng/L
				PCB-027	< 0.22100	ng/L
				PCB-031	0.76400	ng/L
				PCB-032	0.99900	ng/L
				PCB-034	< 0.22100	ng/L
				PCB-035	< 0.22100	ng/L
				PCB-036	< 0.22100	ng/L
				PCB-037	0.37500	ng/L
				PCB-038	< 0.22100	ng/L
				PCB-039	< 0.22100	ng/L
				PCB-040	< 1.32000	ng/L
				PCB-042	< 0.44100	ng/L
				PCB-043	< 0.88300	ng/L
				PCB-044	< 1.32000	ng/L
				PCB-045	< 0.88300	ng/L
				PCB-046	< 0.44100	ng/L
				PCB-048	< 0.44100	ng/L
				PCB-049	< 0.88300	ng/L
				PCB-050	< 0.88300	ng/L
				PCB-052	1.17000	ng/L
				PCB-054	< 0.44100	ng/L
				PCB-055	< 0.44100	ng/L
				PCB-056	0.60900	ng/L
				PCB-057	< 0.44100	ng/L
				PCB-058	< 0.44100	ng/L
				PCB-059	< 1.32000	ng/L
				PCB-060	< 0.44100	ng/L
				PCB-061	< 1.77000	ng/L
				PCB-063	< 0.44100	ng/L
				PCB-064	0.60200	ng/L
				PCB-066	1.11000	ng/L
				PCB-067	< 0.44100	ng/L
				PCB-068	< 0.44100	ng/L
				PCB-072	< 0.44100	ng/L
				PCB-073	< 0.00000	ng/L
				PCB-077	< 0.44100	ng/L
				PCB-078	< 0.44100	ng/L
				PCB-079	< 0.44100	ng/L
				PCB-080	< 0.44100	ng/L
				PCB-081	< 0.44100	ng/L
				PCB-082	< 0.44100	ng/L
				PCB-083	< 0.44100	ng/L
				PCB-084	< 0.44100	ng/L
				PCB-085	< 1.32000	ng/L
				PCB-086	< 2.65000	ng/L
				PCB-088	< 0.88300	ng/L
				PCB-089	< 0.44100	ng/L
				PCB-090	< 1.32000	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	5/5/2011	9:37:00 AM	grab	PCB-092	< 0.44100	ng/L
				PCB-093	< 1.77000	ng/L
				PCB-094	< 0.44100	ng/L
				PCB-095	0.45000	ng/L
				PCB-096	< 0.44100	ng/L
				PCB-099	< 0.44100	ng/L
				PCB-1016 (Aroclor 1016)	< 0.53000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.53000	ug/L
				PCB-103	< 0.44100	ng/L
				PCB-104	< 0.44100	ng/L
				PCB-105	< 0.44100	ng/L
				PCB-106	< 0.44100	ng/L
				PCB-107	< 0.88300	ng/L
				PCB-109	< 0.44100	ng/L
				PCB-110	< 0.88300	ng/L
				PCB-111	< 0.44100	ng/L
				PCB-112	< 0.44100	ng/L
				PCB-114	< 0.44100	ng/L
				PCB-118	< 0.44100	ng/L
				PCB-120	< 0.44100	ng/L
				PCB-121	< 0.44100	ng/L
				PCB-122	< 0.44100	ng/L
				PCB-1221 (Aroclor 1221)	< 0.53000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.53000	ug/L
				PCB-123	< 0.44100	ng/L
				PCB-1232 (Aroclor 1232)	< 0.53000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.53000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.53000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.53000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.53000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.53000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.53000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.53000	ug/L
				PCB-126	< 0.44100	ng/L
				PCB-1260 (Aroclor 1260)	< 0.53000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.53000	ug/L
				PCB-127	< 0.44100	ng/L
				PCB-128	< 0.88300	ng/L
				PCB-129	< 1.32000	ng/L
				PCB-130	< 0.44100	ng/L
				PCB-131	< 0.44100	ng/L
				PCB-132	< 0.44100	ng/L
				PCB-133	< 0.44100	ng/L
				PCB-134	< 0.88300	ng/L
				PCB-136	< 0.44100	ng/L
				PCB-137	< 0.44100	ng/L
				PCB-139	< 0.88300	ng/L
				PCB-141	< 0.44100	ng/L
				PCB-142	< 0.44100	ng/L
				PCB-144	< 0.44100	ng/L
				PCB-145	< 0.44100	ng/L
				PCB-146	< 0.44100	ng/L
				PCB-147	< 0.88300	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	5/5/2011	9:37:00 AM	grab	PCB-148	< 0.44100	ng/L
				PCB-150	< 0.44100	ng/L
				PCB-151	< 0.88300	ng/L
				PCB-152	< 0.44100	ng/L
				PCB-153	< 0.88300	ng/L
				PCB-154	< 0.44100	ng/L
				PCB-155	< 0.44100	ng/L
				PCB-156	< 0.88300	ng/L
				PCB-158	< 0.44100	ng/L
				PCB-159	< 0.44100	ng/L
				PCB-160	< 0.44100	ng/L
				PCB-161	< 0.44100	ng/L
				PCB-162	< 0.44100	ng/L
				PCB-164	< 0.44100	ng/L
				PCB-165	< 0.44100	ng/L
				PCB-167	< 0.44100	ng/L
				PCB-169	< 0.44100	ng/L
				PCB-170	< 0.44100	ng/L
				PCB-171	< 0.88300	ng/L
				PCB-172	< 0.44100	ng/L
				PCB-174	< 0.44100	ng/L
				PCB-175	< 0.44100	ng/L
				PCB-176	< 0.44100	ng/L
				PCB-177	< 0.44100	ng/L
				PCB-178	< 0.44100	ng/L
				PCB-179	< 0.44100	ng/L
				PCB-180	< 0.88300	ng/L
				PCB-181	< 0.44100	ng/L
				PCB-182	< 0.44100	ng/L
				PCB-183	< 0.88300	ng/L
				PCB-184	< 0.44100	ng/L
				PCB-186	< 0.44100	ng/L
				PCB-187	< 0.44100	ng/L
				PCB-188	< 0.44100	ng/L
				PCB-189	< 0.44100	ng/L
				PCB-190	< 0.44100	ng/L
				PCB-191	< 0.44100	ng/L
				PCB-192	< 0.44100	ng/L
				PCB-194	< 0.66200	ng/L
				PCB-195	< 0.66200	ng/L
				PCB-196	< 0.66200	ng/L
				PCB-197	< 1.32000	ng/L
				PCB-198	< 1.32000	ng/L
				PCB-201	< 0.66200	ng/L
				PCB-202	< 0.66200	ng/L
				PCB-203	< 0.66200	ng/L
				PCB-204	< 0.66200	ng/L
				PCB-205	< 0.66200	ng/L
				PCB-206	< 0.66200	ng/L
				PCB-207	< 0.66200	ng/L
				PCB-208	< 0.66200	ng/L
				PCB-209	< 0.66200	ng/L
				Phenolics, Total Recoverable	< 0.05000	mg/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	5/5/2011	9:37:00 AM	grab	Phosphorus	< 0.10000	mg/L
				Potassium	775.00000	ug/L
				Selenium	< 15.00000	ug/L
				Silver	< 7.00000	ug/L
				Strontium	154.00000	ug/L
				Sulfate	8.10000	mg/L
				Thallium	< 20.00000	ug/L
				Titanium	< 10.00000	ug/L
				Total Organic Carbon	3.70000	mg/L
				Total Settleable Solids	< 0.20000	mL/L/
				Total Settleable Solids	< 0.20000	mL/L/
				Trichloroethene	< 1.00000	ug/L
				Vinyl Chloride	< 1.00000	ug/L
				Zinc	188.00000	ug/L
	5/11/2011	9:28:00 AM		pH	7.40	Std.
				Temperature	74.5	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	5/19/2011	3:56:00 AM		pH	7.00	Std.
				Temperature	60.1	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	5/22/2011	12:16:00 AM		pH	7.10	Std.
				Temperature	70.7	F
			grab	PCB-1016 (Aroclor 1016)	< 1.00000	ug/L
				PCB-1221 (Aroclor 1221)	< 1.00000	ug/L
				PCB-1232 (Aroclor 1232)	< 1.00000	ug/L
				PCB-1242 (Aroclor 1242)	< 1.00000	ug/L
				PCB-1248 (Aroclor 1248)	< 1.00000	ug/L
				PCB-1254 (Aroclor 1254)	< 1.00000	ug/L
				PCB-1260 (Aroclor 1260)	< 1.00000	ug/L
	6/16/2011	12:10:00 PM		pH	7.10	Std.
				Temperature	70.5	F
			grab	1,2-Dichloroethene (Total)	< 1.00000	ug/L
				Aluminum	878.00000	ug/L
				Aluminum, Dissolved	< 75.00000	ug/L
				Chromium	< 5.00000	ug/L
				Mercury	< 0.20000	ug/L
				Oil and Grease	< 5.00000	mg/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	6/16/2011	12:10:00 PM	grab	PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Total Settleable Solids	0.30000	mL/L/
				Trichloroethene	< 1.00000	ug/L
				Vinyl Chloride	< 1.00000	ug/L
	6/19/2011	1:50:00 AM		pH	6.80	Std.
				Temperature	82.4	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	6/27/2011	3:14:00 AM		pH	6.80	Std.
				Temperature	71.2	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	7/3/2011	11:01:00 AM		pH	7.00	Std.
				Temperature	80.1	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	7/12/2011	9:23:00 PM		pH	7.00	Std.
				Temperature	77.7	F
			grab	Oil and Grease	< 5.00000	mg/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Total Settleable Solids	< 0.20000	mL/L/
	7/30/2011	8:59:00 AM		pH	6.60	Std.
				Temperature	81.3	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	8/5/2011	9:00:00 AM		pH	6.70	Std.
				Temperature	81.7	F
			grab	Oil and Grease	< 5.00000	mg/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Total Settleable Solids	< 0.20000	mL/L/
	8/7/2011	3:14:00 AM		pH	6.70	Std.
				Temperature	73.9	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	8/15/2011	9:17:00 AM		pH	6.60	Std.
				Temperature	74.5	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	8/22/2011	10:54:00 AM		pH	6.90	Std.
				Temperature	79.3	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	9/3/2011	5:24:00 PM		pH	6.90	Std.
				Temperature	76.8	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	9/9/2011	1:50:00 PM		pH	7.00	Std.
				Temperature	74.7	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	9/9/2011	1:50:00 PM	grab	PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	9/18/2011	6:46:00 AM		pH	7.10	Std.
				Temperature	62.8	F
			grab	1,2-Dichloroethene (Total)	< 1.00000	ug/L
				Aluminum	115.00000	ug/L
				Aluminum, Dissolved	< 75.00000	ug/L
				Chromium	< 5.00000	ug/L
				Mercury	< 0.20000	ug/L
				Oil and Grease	< 5.00000	mg/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Total Settleable Solids	< 0.20000	mL/L/
				Trichloroethene	< 1.00000	ug/L
				Vinyl Chloride	< 1.00000	ug/L
	10/26/2011	7:17:00 AM		pH	7.10	Std.
				pH	7.10	Std.
				pH	7.10	Std.
				pH	7.10	Std.
				Temperature	54.0	F
				Temperature	54.0	F
				Temperature	54.0	F
				Temperature	54.0	F
			grab	PCB-001	0.42800	ng/L
				PCB-001	0.42800	ng/L
				PCB-001	0.42800	ng/L
				PCB-001	0.42800	ng/L
				PCB-002	< 0.21800	ng/L
				PCB-002	< 0.21800	ng/L
				PCB-002	< 0.21800	ng/L
				PCB-002	< 0.21800	ng/L
				PCB-003	0.29100	ng/L
				PCB-003	0.29100	ng/L
				PCB-003	0.29100	ng/L
				PCB-003	0.29100	ng/L
				PCB-004	5.84000	ng/L
				PCB-004	5.84000	ng/L
				PCB-004	5.84000	ng/L
				PCB-004	5.84000	ng/L
				PCB-005	< 0.21800	ng/L
				PCB-005	< 0.21800	ng/L
				PCB-005	< 0.21800	ng/L
				PCB-005	< 0.21800	ng/L
				PCB-006	0.77100	ng/L
				PCB-006	0.77100	ng/L
				PCB-006	0.77100	ng/L
				PCB-006	0.77100	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-007	< 0.21800	ng/L
				PCB-007	< 0.21800	ng/L
				PCB-007	< 0.21800	ng/L
				PCB-007	< 0.21800	ng/L
				PCB-008	1.67000	ng/L
				PCB-008	1.67000	ng/L
				PCB-008	1.67000	ng/L
				PCB-008	1.67000	ng/L
				PCB-009	< 0.21800	ng/L
				PCB-009	< 0.21800	ng/L
				PCB-009	< 0.21800	ng/L
				PCB-009	< 0.21800	ng/L
				PCB-010	< 0.21800	ng/L
				PCB-010	< 0.21800	ng/L
				PCB-010	< 0.21800	ng/L
				PCB-010	< 0.21800	ng/L
				PCB-011	< 1.31000	ng/L
				PCB-011	< 1.31000	ng/L
				PCB-011	< 1.31000	ng/L
				PCB-011	< 1.31000	ng/L
				PCB-012	0.45200	ng/L
				PCB-012	0.45200	ng/L
				PCB-012	0.45200	ng/L
				PCB-012	0.45200	ng/L
				PCB-014	< 0.21800	ng/L
				PCB-014	< 0.21800	ng/L
				PCB-014	< 0.21800	ng/L
				PCB-014	< 0.21800	ng/L
				PCB-015	3.98000	ng/L
				PCB-015	3.98000	ng/L
				PCB-015	3.98000	ng/L
				PCB-015	3.98000	ng/L
				PCB-016	1.01000	ng/L
				PCB-016	1.01000	ng/L
				PCB-016	1.01000	ng/L
				PCB-016	1.01000	ng/L
				PCB-017	1.63000	ng/L
				PCB-017	1.63000	ng/L
				PCB-017	1.63000	ng/L
				PCB-017	1.63000	ng/L
				PCB-018	3.22000	ng/L
				PCB-018	3.22000	ng/L
				PCB-018	3.22000	ng/L
				PCB-018	3.22000	ng/L
				PCB-019	3.36000	ng/L
				PCB-019	3.36000	ng/L
				PCB-019	3.36000	ng/L
				PCB-019	3.36000	ng/L
				PCB-020	7.99000	ng/L
				PCB-020	7.99000	ng/L
				PCB-020	7.99000	ng/L
				PCB-020	7.99000	ng/L
				PCB-021	1.11000	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-021	1.11000	ng/L
				PCB-021	1.11000	ng/L
				PCB-021	1.11000	ng/L
				PCB-022	2.97000	ng/L
				PCB-022	2.97000	ng/L
				PCB-022	2.97000	ng/L
				PCB-022	2.97000	ng/L
				PCB-023	< 0.21800	ng/L
				PCB-023	< 0.21800	ng/L
				PCB-023	< 0.21800	ng/L
				PCB-023	< 0.21800	ng/L
				PCB-024	< 0.21800	ng/L
				PCB-024	< 0.21800	ng/L
				PCB-024	< 0.21800	ng/L
				PCB-024	< 0.21800	ng/L
				PCB-025	0.55300	ng/L
				PCB-025	0.55300	ng/L
				PCB-025	0.55300	ng/L
				PCB-025	0.55300	ng/L
				PCB-026	1.04000	ng/L
				PCB-026	1.04000	ng/L
				PCB-026	1.04000	ng/L
				PCB-026	1.04000	ng/L
				PCB-027	0.75000	ng/L
				PCB-027	0.75000	ng/L
				PCB-027	0.75000	ng/L
				PCB-027	0.75000	ng/L
				PCB-031	3.24000	ng/L
				PCB-031	3.24000	ng/L
				PCB-031	3.24000	ng/L
				PCB-031	3.24000	ng/L
				PCB-032	3.16000	ng/L
				PCB-032	3.16000	ng/L
				PCB-032	3.16000	ng/L
				PCB-032	3.16000	ng/L
				PCB-034	< 0.21800	ng/L
				PCB-034	< 0.21800	ng/L
				PCB-034	< 0.21800	ng/L
				PCB-034	< 0.21800	ng/L
				PCB-035	< 0.21800	ng/L
				PCB-035	< 0.21800	ng/L
				PCB-035	< 0.21800	ng/L
				PCB-035	< 0.21800	ng/L
				PCB-036	< 0.21800	ng/L
				PCB-036	< 0.21800	ng/L
				PCB-036	< 0.21800	ng/L
				PCB-036	< 0.21800	ng/L
				PCB-037	1.93000	ng/L
				PCB-037	1.93000	ng/L
				PCB-037	1.93000	ng/L
				PCB-037	1.93000	ng/L
				PCB-038	< 0.21800	ng/L
				PCB-038	< 0.21800	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-038	< 0.21800	ng/L
				PCB-038	< 0.21800	ng/L
				PCB-039	< 0.21800	ng/L
				PCB-039	< 0.21800	ng/L
				PCB-039	< 0.21800	ng/L
				PCB-039	< 0.21800	ng/L
				PCB-040	3.42000	ng/L
				PCB-040	3.42000	ng/L
				PCB-040	3.42000	ng/L
				PCB-040	3.42000	ng/L
				PCB-042	1.50000	ng/L
				PCB-042	1.50000	ng/L
				PCB-042	1.50000	ng/L
				PCB-042	1.50000	ng/L
				PCB-043	< 0.87300	ng/L
				PCB-043	< 0.87300	ng/L
				PCB-043	< 0.87300	ng/L
				PCB-043	< 0.87300	ng/L
				PCB-044	4.98000	ng/L
				PCB-044	4.98000	ng/L
				PCB-044	4.98000	ng/L
				PCB-044	4.98000	ng/L
				PCB-045	1.37000	ng/L
				PCB-045	1.37000	ng/L
				PCB-045	1.37000	ng/L
				PCB-045	1.37000	ng/L
				PCB-046	0.48400	ng/L
				PCB-046	0.48400	ng/L
				PCB-046	0.48400	ng/L
				PCB-046	0.48400	ng/L
				PCB-048	0.86900	ng/L
				PCB-048	0.86900	ng/L
				PCB-048	0.86900	ng/L
				PCB-048	0.86900	ng/L
				PCB-049	2.92000	ng/L
				PCB-049	2.92000	ng/L
				PCB-049	2.92000	ng/L
				PCB-049	2.92000	ng/L
				PCB-050	0.96500	ng/L
				PCB-050	0.96500	ng/L
				PCB-050	0.96500	ng/L
				PCB-050	0.96500	ng/L
				PCB-052	4.46000	ng/L
				PCB-052	4.46000	ng/L
				PCB-052	4.46000	ng/L
				PCB-052	4.46000	ng/L
				PCB-054	< 0.43700	ng/L
				PCB-054	< 0.43700	ng/L
				PCB-054	< 0.43700	ng/L
				PCB-054	< 0.43700	ng/L
				PCB-055	< 0.43700	ng/L
				PCB-055	< 0.43700	ng/L
				PCB-055	< 0.43700	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-055	< 0.43700	ng/L
				PCB-056	2.72000	ng/L
				PCB-056	2.72000	ng/L
				PCB-056	2.72000	ng/L
				PCB-056	2.72000	ng/L
				PCB-057	< 0.43700	ng/L
				PCB-057	< 0.43700	ng/L
				PCB-057	< 0.43700	ng/L
				PCB-057	< 0.43700	ng/L
				PCB-058	< 0.43700	ng/L
				PCB-058	< 0.43700	ng/L
				PCB-058	< 0.43700	ng/L
				PCB-058	< 0.43700	ng/L
				PCB-059	< 1.31000	ng/L
				PCB-059	< 1.31000	ng/L
				PCB-059	< 1.31000	ng/L
				PCB-059	< 1.31000	ng/L
				PCB-060	1.54000	ng/L
				PCB-060	1.54000	ng/L
				PCB-060	1.54000	ng/L
				PCB-060	1.54000	ng/L
				PCB-061	5.94000	ng/L
				PCB-061	5.94000	ng/L
				PCB-061	5.94000	ng/L
				PCB-061	5.94000	ng/L
				PCB-063	< 0.43700	ng/L
				PCB-063	< 0.43700	ng/L
				PCB-063	< 0.43700	ng/L
				PCB-063	< 0.43700	ng/L
				PCB-064	2.50000	ng/L
				PCB-064	2.50000	ng/L
				PCB-064	2.50000	ng/L
				PCB-064	2.50000	ng/L
				PCB-066	4.88000	ng/L
				PCB-066	4.88000	ng/L
				PCB-066	4.88000	ng/L
				PCB-066	4.88000	ng/L
				PCB-067	< 0.43700	ng/L
				PCB-067	< 0.43700	ng/L
				PCB-067	< 0.43700	ng/L
				PCB-067	< 0.43700	ng/L
				PCB-068	< 0.43700	ng/L
				PCB-068	< 0.43700	ng/L
				PCB-068	< 0.43700	ng/L
				PCB-068	< 0.43700	ng/L
				PCB-072	< 0.43700	ng/L
				PCB-072	< 0.43700	ng/L
				PCB-072	< 0.43700	ng/L
				PCB-072	< 0.43700	ng/L
				PCB-073	< 0.00000	ng/L
				PCB-073	< 0.00000	ng/L
				PCB-073	< 0.00000	ng/L
				PCB-073	< 0.00000	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-077	0.56400	ng/L
				PCB-077	0.56400	ng/L
				PCB-077	0.56400	ng/L
				PCB-077	0.56400	ng/L
				PCB-078	< 0.43700	ng/L
				PCB-078	< 0.43700	ng/L
				PCB-078	< 0.43700	ng/L
				PCB-078	< 0.43700	ng/L
				PCB-079	< 0.43700	ng/L
				PCB-079	< 0.43700	ng/L
				PCB-079	< 0.43700	ng/L
				PCB-079	< 0.43700	ng/L
				PCB-080	< 0.43700	ng/L
				PCB-080	< 0.43700	ng/L
				PCB-080	< 0.43700	ng/L
				PCB-080	< 0.43700	ng/L
				PCB-081	< 0.43700	ng/L
				PCB-081	< 0.43700	ng/L
				PCB-081	< 0.43700	ng/L
				PCB-081	< 0.43700	ng/L
				PCB-082	< 0.43700	ng/L
				PCB-082	< 0.43700	ng/L
				PCB-082	< 0.43700	ng/L
				PCB-082	< 0.43700	ng/L
				PCB-083	< 0.43700	ng/L
				PCB-083	< 0.43700	ng/L
				PCB-083	< 0.43700	ng/L
				PCB-083	< 0.43700	ng/L
				PCB-084	0.59600	ng/L
				PCB-084	0.59600	ng/L
				PCB-084	0.59600	ng/L
				PCB-084	0.59600	ng/L
				PCB-085	< 1.31000	ng/L
				PCB-085	< 1.31000	ng/L
				PCB-085	< 1.31000	ng/L
				PCB-085	< 1.31000	ng/L
				PCB-086	< 2.62000	ng/L
				PCB-086	< 2.62000	ng/L
				PCB-086	< 2.62000	ng/L
				PCB-086	< 2.62000	ng/L
				PCB-088	< 0.87300	ng/L
				PCB-088	< 0.87300	ng/L
				PCB-088	< 0.87300	ng/L
				PCB-088	< 0.87300	ng/L
				PCB-089	< 0.43700	ng/L
				PCB-089	< 0.43700	ng/L
				PCB-089	< 0.43700	ng/L
				PCB-089	< 0.43700	ng/L
				PCB-090	3.74000	ng/L
				PCB-090	3.74000	ng/L
				PCB-090	3.74000	ng/L
				PCB-090	3.74000	ng/L
				PCB-092	0.45800	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-092	0.45800	ng/L
				PCB-092	0.45800	ng/L
				PCB-092	0.45800	ng/L
				PCB-093	< 1.75000	ng/L
				PCB-093	< 1.75000	ng/L
				PCB-093	< 1.75000	ng/L
				PCB-093	< 1.75000	ng/L
				PCB-094	< 0.43700	ng/L
				PCB-094	< 0.43700	ng/L
				PCB-094	< 0.43700	ng/L
				PCB-094	< 0.43700	ng/L
				PCB-095	2.50000	ng/L
				PCB-095	2.50000	ng/L
				PCB-095	2.50000	ng/L
				PCB-095	2.50000	ng/L
				PCB-096	< 0.43700	ng/L
				PCB-096	< 0.43700	ng/L
				PCB-096	< 0.43700	ng/L
				PCB-096	< 0.43700	ng/L
				PCB-099	0.58200	ng/L
				PCB-099	0.58200	ng/L
				PCB-099	0.58200	ng/L
				PCB-099	0.58200	ng/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-103	< 0.43700	ng/L
				PCB-103	< 0.43700	ng/L
				PCB-103	< 0.43700	ng/L
				PCB-103	< 0.43700	ng/L
				PCB-104	< 0.43700	ng/L
				PCB-104	< 0.43700	ng/L
				PCB-104	< 0.43700	ng/L
				PCB-104	< 0.43700	ng/L
				PCB-105	0.97200	ng/L
				PCB-105	0.97200	ng/L
				PCB-105	0.97200	ng/L
				PCB-105	0.97200	ng/L
				PCB-106	< 0.43700	ng/L
				PCB-106	< 0.43700	ng/L
				PCB-106	< 0.43700	ng/L
				PCB-106	< 0.43700	ng/L
				PCB-107	< 0.87300	ng/L
				PCB-107	< 0.87300	ng/L
				PCB-107	< 0.87300	ng/L
				PCB-107	< 0.87300	ng/L
				PCB-109	< 0.43700	ng/L
				PCB-109	< 0.43700	ng/L
				PCB-109	< 0.43700	ng/L
				PCB-109	< 0.43700	ng/L
				PCB-110	2.92000	ng/L
				PCB-110	2.92000	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-110	2.92000	ng/L
				PCB-110	2.92000	ng/L
				PCB-111	< 0.43700	ng/L
				PCB-111	< 0.43700	ng/L
				PCB-111	< 0.43700	ng/L
				PCB-111	< 0.43700	ng/L
				PCB-112	< 0.43700	ng/L
				PCB-112	< 0.43700	ng/L
				PCB-112	< 0.43700	ng/L
				PCB-112	< 0.43700	ng/L
				PCB-114	< 0.43700	ng/L
				PCB-114	< 0.43700	ng/L
				PCB-114	< 0.43700	ng/L
				PCB-114	< 0.43700	ng/L
				PCB-118	2.33000	ng/L
				PCB-118	2.33000	ng/L
				PCB-118	2.33000	ng/L
				PCB-118	2.33000	ng/L
				PCB-120	< 0.43700	ng/L
				PCB-120	< 0.43700	ng/L
				PCB-120	< 0.43700	ng/L
				PCB-120	< 0.43700	ng/L
				PCB-121	< 0.43700	ng/L
				PCB-121	< 0.43700	ng/L
				PCB-121	< 0.43700	ng/L
				PCB-121	< 0.43700	ng/L
				PCB-122	< 0.43700	ng/L
				PCB-122	< 0.43700	ng/L
				PCB-122	< 0.43700	ng/L
				PCB-122	< 0.43700	ng/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-123	< 0.43700	ng/L
				PCB-123	< 0.43700	ng/L
				PCB-123	< 0.43700	ng/L
				PCB-123	< 0.43700	ng/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-126	< 0.43700	ng/L
				PCB-126	< 0.43700	ng/L
				PCB-126	< 0.43700	ng/L
				PCB-126	< 0.43700	ng/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				PCB-127	< 0.43700	ng/L
				PCB-127	< 0.43700	ng/L
				PCB-127	< 0.43700	ng/L
				PCB-127	< 0.43700	ng/L
				PCB-128	< 0.87300	ng/L
				PCB-128	< 0.87300	ng/L
				PCB-128	< 0.87300	ng/L
				PCB-128	< 0.87300	ng/L
				PCB-129	12.50000	ng/L
				PCB-129	12.50000	ng/L
				PCB-129	12.50000	ng/L
				PCB-129	12.50000	ng/L
				PCB-130	< 0.43700	ng/L
				PCB-130	< 0.43700	ng/L
				PCB-130	< 0.43700	ng/L
				PCB-130	< 0.43700	ng/L
				PCB-131	< 0.43700	ng/L
				PCB-131	< 0.43700	ng/L
				PCB-131	< 0.43700	ng/L
				PCB-131	< 0.43700	ng/L
				PCB-132	3.09000	ng/L
				PCB-132	3.09000	ng/L
				PCB-132	3.09000	ng/L
				PCB-132	3.09000	ng/L
				PCB-133	< 0.43700	ng/L
				PCB-133	< 0.43700	ng/L
				PCB-133	< 0.43700	ng/L
				PCB-133	< 0.43700	ng/L
				PCB-134	< 0.87300	ng/L
				PCB-134	< 0.87300	ng/L
				PCB-134	< 0.87300	ng/L
				PCB-134	< 0.87300	ng/L
				PCB-136	1.32000	ng/L
				PCB-136	1.32000	ng/L
				PCB-136	1.32000	ng/L
				PCB-136	1.32000	ng/L
				PCB-137	< 0.43700	ng/L
				PCB-137	< 0.43700	ng/L
				PCB-137	< 0.43700	ng/L
				PCB-137	< 0.43700	ng/L
				PCB-139	< 0.87300	ng/L
				PCB-139	< 0.87300	ng/L
				PCB-139	< 0.87300	ng/L
				PCB-139	< 0.87300	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-141	3.05000	ng/L
				PCB-141	3.05000	ng/L
				PCB-141	3.05000	ng/L
				PCB-141	3.05000	ng/L
				PCB-142	< 0.43700	ng/L
				PCB-142	< 0.43700	ng/L
				PCB-142	< 0.43700	ng/L
				PCB-142	< 0.43700	ng/L
				PCB-144	0.64200	ng/L
				PCB-144	0.64200	ng/L
				PCB-144	0.64200	ng/L
				PCB-144	0.64200	ng/L
				PCB-145	< 0.43700	ng/L
				PCB-145	< 0.43700	ng/L
				PCB-145	< 0.43700	ng/L
				PCB-145	< 0.43700	ng/L
				PCB-146	1.37000	ng/L
				PCB-146	1.37000	ng/L
				PCB-146	1.37000	ng/L
				PCB-146	1.37000	ng/L
				PCB-147	8.72000	ng/L
				PCB-147	8.72000	ng/L
				PCB-147	8.72000	ng/L
				PCB-147	8.72000	ng/L
				PCB-148	< 0.43700	ng/L
				PCB-148	< 0.43700	ng/L
				PCB-148	< 0.43700	ng/L
				PCB-148	< 0.43700	ng/L
				PCB-150	< 0.43700	ng/L
				PCB-150	< 0.43700	ng/L
				PCB-150	< 0.43700	ng/L
				PCB-150	< 0.43700	ng/L
				PCB-151	4.22000	ng/L
				PCB-151	4.22000	ng/L
				PCB-151	4.22000	ng/L
				PCB-151	4.22000	ng/L
				PCB-152	< 0.43700	ng/L
				PCB-152	< 0.43700	ng/L
				PCB-152	< 0.43700	ng/L
				PCB-152	< 0.43700	ng/L
				PCB-153	11.80000	ng/L
				PCB-153	11.80000	ng/L
				PCB-153	11.80000	ng/L
				PCB-153	11.80000	ng/L
				PCB-154	< 0.43700	ng/L
				PCB-154	< 0.43700	ng/L
				PCB-154	< 0.43700	ng/L
				PCB-154	< 0.43700	ng/L
				PCB-155	< 0.43700	ng/L
				PCB-155	< 0.43700	ng/L
				PCB-155	< 0.43700	ng/L
				PCB-155	< 0.43700	ng/L
				PCB-156	0.95600	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-156	0.95600	ng/L
				PCB-156	0.95600	ng/L
				PCB-156	0.95600	ng/L
				PCB-158	1.06000	ng/L
				PCB-158	1.06000	ng/L
				PCB-158	1.06000	ng/L
				PCB-158	1.06000	ng/L
				PCB-159	< 0.43700	ng/L
				PCB-159	< 0.43700	ng/L
				PCB-159	< 0.43700	ng/L
				PCB-159	< 0.43700	ng/L
				PCB-160	< 0.43700	ng/L
				PCB-160	< 0.43700	ng/L
				PCB-160	< 0.43700	ng/L
				PCB-160	< 0.43700	ng/L
				PCB-161	< 0.43700	ng/L
				PCB-161	< 0.43700	ng/L
				PCB-161	< 0.43700	ng/L
				PCB-161	< 0.43700	ng/L
				PCB-162	< 0.43700	ng/L
				PCB-162	< 0.43700	ng/L
				PCB-162	< 0.43700	ng/L
				PCB-162	< 0.43700	ng/L
				PCB-164	0.88200	ng/L
				PCB-164	0.88200	ng/L
				PCB-164	0.88200	ng/L
				PCB-164	0.88200	ng/L
				PCB-165	< 0.43700	ng/L
				PCB-165	< 0.43700	ng/L
				PCB-165	< 0.43700	ng/L
				PCB-165	< 0.43700	ng/L
				PCB-167	< 0.43700	ng/L
				PCB-167	< 0.43700	ng/L
				PCB-167	< 0.43700	ng/L
				PCB-167	< 0.43700	ng/L
				PCB-169	< 0.43700	ng/L
				PCB-169	< 0.43700	ng/L
				PCB-169	< 0.43700	ng/L
				PCB-169	< 0.43700	ng/L
				PCB-170	5.49000	ng/L
				PCB-170	5.49000	ng/L
				PCB-170	5.49000	ng/L
				PCB-170	5.49000	ng/L
				PCB-171	1.55000	ng/L
				PCB-171	1.55000	ng/L
				PCB-171	1.55000	ng/L
				PCB-171	1.55000	ng/L
				PCB-172	0.85200	ng/L
				PCB-172	0.85200	ng/L
				PCB-172	0.85200	ng/L
				PCB-172	0.85200	ng/L
				PCB-174	4.90000	ng/L
				PCB-174	4.90000	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-174	4.90000	ng/L
				PCB-174	4.90000	ng/L
				PCB-175	< 0.43700	ng/L
				PCB-175	< 0.43700	ng/L
				PCB-175	< 0.43700	ng/L
				PCB-175	< 0.43700	ng/L
				PCB-176	0.58500	ng/L
				PCB-176	0.58500	ng/L
				PCB-176	0.58500	ng/L
				PCB-176	0.58500	ng/L
				PCB-177	2.88000	ng/L
				PCB-177	2.88000	ng/L
				PCB-177	2.88000	ng/L
				PCB-177	2.88000	ng/L
				PCB-178	0.95000	ng/L
				PCB-178	0.95000	ng/L
				PCB-178	0.95000	ng/L
				PCB-178	0.95000	ng/L
				PCB-179	1.80000	ng/L
				PCB-179	1.80000	ng/L
				PCB-179	1.80000	ng/L
				PCB-179	1.80000	ng/L
				PCB-180	11.30000	ng/L
				PCB-180	11.30000	ng/L
				PCB-180	11.30000	ng/L
				PCB-180	11.30000	ng/L
				PCB-181	< 0.43700	ng/L
				PCB-181	< 0.43700	ng/L
				PCB-181	< 0.43700	ng/L
				PCB-181	< 0.43700	ng/L
				PCB-182	< 0.43700	ng/L
				PCB-182	< 0.43700	ng/L
				PCB-182	< 0.43700	ng/L
				PCB-182	< 0.43700	ng/L
				PCB-183	3.31000	ng/L
				PCB-183	3.31000	ng/L
				PCB-183	3.31000	ng/L
				PCB-183	3.31000	ng/L
				PCB-184	< 0.43700	ng/L
				PCB-184	< 0.43700	ng/L
				PCB-184	< 0.43700	ng/L
				PCB-184	< 0.43700	ng/L
				PCB-186	< 0.43700	ng/L
				PCB-186	< 0.43700	ng/L
				PCB-186	< 0.43700	ng/L
				PCB-186	< 0.43700	ng/L
				PCB-187	5.38000	ng/L
				PCB-187	5.38000	ng/L
				PCB-187	5.38000	ng/L
				PCB-187	5.38000	ng/L
				PCB-188	< 0.43700	ng/L
				PCB-188	< 0.43700	ng/L
				PCB-188	< 0.43700	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-188	< 0.43700	ng/L
				PCB-189	< 0.43700	ng/L
				PCB-189	< 0.43700	ng/L
				PCB-189	< 0.43700	ng/L
				PCB-189	< 0.43700	ng/L
				PCB-190	1.16000	ng/L
				PCB-190	1.16000	ng/L
				PCB-190	1.16000	ng/L
				PCB-190	1.16000	ng/L
				PCB-191	< 0.43700	ng/L
				PCB-191	< 0.43700	ng/L
				PCB-191	< 0.43700	ng/L
				PCB-191	< 0.43700	ng/L
				PCB-192	< 0.43700	ng/L
				PCB-192	< 0.43700	ng/L
				PCB-192	< 0.43700	ng/L
				PCB-192	< 0.43700	ng/L
				PCB-194	2.00000	ng/L
				PCB-194	2.00000	ng/L
				PCB-194	2.00000	ng/L
				PCB-194	2.00000	ng/L
				PCB-195	0.86600	ng/L
				PCB-195	0.86600	ng/L
				PCB-195	0.86600	ng/L
				PCB-195	0.86600	ng/L
				PCB-196	1.05000	ng/L
				PCB-196	1.05000	ng/L
				PCB-196	1.05000	ng/L
				PCB-196	1.05000	ng/L
				PCB-197	< 1.31000	ng/L
				PCB-197	< 1.31000	ng/L
				PCB-197	< 1.31000	ng/L
				PCB-197	< 1.31000	ng/L
				PCB-198	2.05000	ng/L
				PCB-198	2.05000	ng/L
				PCB-198	2.05000	ng/L
				PCB-198	2.05000	ng/L
				PCB-201	< 0.65500	ng/L
				PCB-201	< 0.65500	ng/L
				PCB-201	< 0.65500	ng/L
				PCB-201	< 0.65500	ng/L
				PCB-202	< 0.65500	ng/L
				PCB-202	< 0.65500	ng/L
				PCB-202	< 0.65500	ng/L
				PCB-202	< 0.65500	ng/L
				PCB-203	1.17000	ng/L
				PCB-203	1.17000	ng/L
				PCB-203	1.17000	ng/L
				PCB-203	1.17000	ng/L
				PCB-204	< 0.65500	ng/L
				PCB-204	< 0.65500	ng/L
				PCB-204	< 0.65500	ng/L
				PCB-204	< 0.65500	ng/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	10/26/2011	7:17:00 AM	grab	PCB-205	< 0.65500	ng/L
				PCB-205	< 0.65500	ng/L
				PCB-205	< 0.65500	ng/L
				PCB-205	< 0.65500	ng/L
				PCB-206	< 0.65500	ng/L
				PCB-206	< 0.65500	ng/L
				PCB-206	< 0.65500	ng/L
				PCB-206	< 0.65500	ng/L
				PCB-207	< 0.65500	ng/L
				PCB-207	< 0.65500	ng/L
				PCB-207	< 0.65500	ng/L
				PCB-207	< 0.65500	ng/L
				PCB-208	< 0.65500	ng/L
				PCB-208	< 0.65500	ng/L
				PCB-208	< 0.65500	ng/L
				PCB-208	< 0.65500	ng/L
				PCB-209	< 0.65500	ng/L
				PCB-209	< 0.65500	ng/L
				PCB-209	< 0.65500	ng/L
				PCB-209	< 0.65500	ng/L
	11/2/2011	5:16:00 PM		pH	6.60	Std.
				Temperature	44.1	F
			grab	Oil and Grease	< 5.00000	mg/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Total Settleable Solids	< 0.20000	mL/L/
	11/7/2011	4:32:00 PM		pH	7.40	Std.
				Temperature	52.0	F
			grab	1,2-Dichloroethene (Total)	< 1.00000	ug/L
				Aluminum	202.00000	ug/L
				Aluminum, Dissolved	225.00000	ug/L
				Chromium	< 5.00000	ug/L
				Mercury	< 0.20000	ug/L
				Oil and Grease	< 5.00000	mg/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Total Settleable Solids	< 0.20000	mL/L/
				Trichloroethene	< 1.00000	ug/L
				Vinyl Chloride	< 1.00000	ug/L
	11/22/2011	3:51:00 AM		pH	7.00	Std.
				Temperature	46.9	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L

Outfall 002 Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF002	11/22/2011	3:51:00 AM	grab	PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	12/3/2011	1:51:00 AM		pH	7.50	Std.
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	12/13/2011	9:30:00 AM		pH	8.20	Std.
				Temperature	46.6	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
	12/19/2011	12:57:00 PM		pH	7.00	Std.
				Temperature	49.3	F
			grab	PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L

Outfall 002 Flap Gate Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF2FG	1/4/2011	8:15:00 AM	grab	1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	1/18/2011	8:30:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	2/15/2011	2:25:00 PM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	2/23/2011	9:50:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	3/1/2011	1:12:00 PM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	3/15/2011	12:00:00 PM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L

Outfall 002 Flap Gate Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF2FG	3/15/2011	12:00:00 PM	grab	PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	4/5/2011	8:15:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	4/19/2011	8:20:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	5/3/2011	9:25:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	5/17/2011	11:25:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	6/7/2011	11:15:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L

Outfall 002 Flap Gate Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF2FG	6/7/2011	11:15:00 AM	grab	PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	6/21/2011	8:55:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	7/5/2011	10:40:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	7/19/2011	1:00:00 PM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	8/2/2011	11:30:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 1.00000	ug/L
				PCB-1221 (Aroclor 1221)	< 1.00000	ug/L
				PCB-1232 (Aroclor 1232)	< 1.00000	ug/L
				PCB-1242 (Aroclor 1242)	< 1.00000	ug/L
				PCB-1248 (Aroclor 1248)	< 1.00000	ug/L
				PCB-1254 (Aroclor 1254)	< 1.00000	ug/L
				PCB-1260 (Aroclor 1260)	< 1.00000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	8/16/2011	1:15:00 PM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L

Outfall 002 Flap Gate Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF2FG	8/16/2011	1:15:00 PM	grab	Vinyl Chloride	< 1.80000	ug/L
	9/6/2011	1:55:00 PM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	9/20/2011	10:50:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	10/4/2011	8:10:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	10/18/2011	1:25:00 PM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	11/1/2011	1:00:00 PM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	11/16/2011	12:30:00 PM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L

Outfall 002 Flap Gate Data Summary

Sample Source:	Sample Date:	Sample Time:	Type:	Parameter	Value:	Units
OF2FG	11/16/2011	12:30:00 PM	grab	PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	12/7/2011	10:20:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L
	12/20/2011	11:10:00 AM		1,2-Dichloroethene (Total)	< 0.50000	ug/L
				PCB-1016 (Aroclor 1016)	< 0.50000	ug/L
				PCB-1221 (Aroclor 1221)	< 0.50000	ug/L
				PCB-1232 (Aroclor 1232)	< 0.50000	ug/L
				PCB-1242 (Aroclor 1242)	< 0.50000	ug/L
				PCB-1248 (Aroclor 1248)	< 0.50000	ug/L
				PCB-1254 (Aroclor 1254)	< 0.50000	ug/L
				PCB-1260 (Aroclor 1260)	< 0.50000	ug/L
				Trichloroethene	< 1.20000	ug/L
				Vinyl Chloride	< 1.80000	ug/L