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June 19, 2019

Mr. Leo Hellested, P.E.
Office of Waste Management
Solid Waste Section
Rhode Island Department of Environmental Management
235 Promenade Street
Providence, Rhode Island 02908-5767

Attn: Mr. Robert Schmidt

Re: Quarterly Monitoring Report

1st Quarter (March) 2019, Groundwater Monitoring, Sampling, and Analysis

Tiverton Municipal Sanitary Landfill

Pare Project No.: 94139.24

Dear Mr. Hellested:

Enclosed herewith are results of the statistical analysis of groundwater monitoring data for the first quarterly monitoring round of Year 2019 from the Tiverton Landfill (Landfill). Pare Corporation (Pare) has prepared this report on behalf of the Town of Tiverton (Town). Pare conducted the groundwater sampling on March 28, 2019 at the background well OW-9 and compliance wells OW-7, OW-12, OW-13, OW-14, OW-15, and OW-16.

Groundwater samples were analyzed by New England Testing Laboratory (NETLAB) of West Warwick, Rhode Island for the constituents listed in Appendix A (Detection Monitoring) of the State Solid Waste Regulations. Certified laboratory results data are enclosed and are summarized on attached Tables 1-3.

Groundwater field parameters consisting of temperature, pH, and specific conductivity were measured at each monitoring well, in accordance with the RIDEM-approved Groundwater Monitoring Plan for the Landfill. Field parameters were collected until three successive measurements stabilized within \pm 3% for temperature, \pm 0.1 standard unit for pH, and \pm 3% for specific conductivity, in accordance with US EPA's Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures. Field parameters are documented on Field Sampling Data Sheets, which are enclosed.

Combustible gases are monitored at each well and at the top of the Landfill. Each of the well locations with the exception of OW-15 had no detections of combustible gas observed during this monitoring round. OW-15 had a methane reading of 44% LEL. Combustible gases have not been detected at the Landfill in past quarterly monitoring rounds – this is the first round in which a detectable level of combustible gas have been detected at any groundwater monitoring wells. OW-15 is over 300 feet from the nearest property line and given that no other wells had combustible gases at detectable levels, it does not appear that this occurrence of combustible gases warrants immediate action. Pare will continue to monitor for combustible gases at OW-15, and the other monitoring wells to evaluate if this occurrence is the beginning of an increasing trend in gas at the landfill or a sampling anomaly.

8 BLACKSTONE VALLEY PLACE LINCOLN, RI 02865

HUMAN HEALTH THRESHOLD EVALUATION

<u>Background Well OW-9</u> – Eleven (11) target metals were reported in the groundwater sample collected from OW-9. No (0) target metals were reported above their corresponding MCLs or human health thresholds at OW-9. No (0) target VOCs were reported above laboratory detection limits at OW-9.

Compliance Well OW-7 – Eleven (11) target metals were reported in the groundwater sample collected from OW-7. No (0) target metals were reported above their corresponding MCLs or human health thresholds at OW-7. One (1) target VOC, MTBE, was reported above laboratory detection limits. No (0) target VOCs were reported above their corresponding MCLs or human health thresholds at OW-7.

Compliance Well OW-12 – Five (5) target metals were reported in the groundwater sample collected from OW-12. No (0) target metals were reported above their corresponding MCLs or human health thresholds at OW-12. No (0) target VOCs were reported above laboratory detection limits at OW-12.

Compliance Well OW-13 – Nine (9) target metals were reported in the groundwater sample collected from OW-13. No (0) target metals were reported above their corresponding MCLs or human health thresholds at OW-13. Two (2) target VOCs; chlorobenzene and MTBE; were reported above their laboratory detection limits. No (0) target VOCs were reported above their corresponding MCLs or human health thresholds at OW-13.

Compliance Well OW-14 – Ten (10) target metals were reported in the groundwater sample collected from OW-14. No (0) target metals were reported above their corresponding MCLs or human health thresholds at OW-7. Four (4) target VOCs, MTBE, benzene, chlorobenzene, and 1,4-dichlorobenzene, were reported above laboratory detection limits. No (0) target VOCs were reported above their corresponding MCLs or human health thresholds at OW-14.

Compliance Well OW-15 – Nine (9) target metals were reported in the groundwater sample collected from OW-15. One (1) reported metal; arsenic (0.0352 mg/L); exceeded its MCL (0.01 mg/). Four (4) target VOCs; MTBE, benzene, chlorobenzene, and 1,4-dichlorobenzene were reported above their laboratory detection limits. No (0) target VOCs were reported above their corresponding MCLs or human health thresholds at OW-15.

Compliance Well OW-16 – Seven (7) target metals were reported in the groundwater sample collected from OW-16. No (0) target metals were reported above their corresponding MCLs or human health thresholds at OW-16. One (1) target VOC, MTBE, was reported above laboratory detection limits. No (0) target VOCs were reported above their corresponding MCLs or human health thresholds at OW-16.

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TOLERANCE INTERVAL STATISTICAL EVALUATION

The Tolerance Interval (TI) approach was used to develop Tolerance Limits (TLs) for each target inorganic constituent (i.e., metals) using the background well analytical results from the eight preceding rounds for which analytical results are available. The background well, OW-9, could not be sampled in several previous monitoring rounds including in the June 2016, September 2016, June 2017, September 2017, and September 2018 monitoring rounds due to dry conditions. Therefore, analytical results of the eight most recent rounds in which samples could be collected were utilized to generate the TLs for this monitoring round, dating back to December 2015. The TI approach is considered inappropriate for analysis of organic constituents and was therefore not performed to evaluate the results of reported VOCs. Table 2 summarizes historical results data from OW-9 used in the calculation of the TLs.

Four (4) metals; arsenic, barium, cobalt, and selenium; had reported concentrations that exceeded their corresponding TLs calculated during the March 2019 monitoring round in at least one compliance well. In total, there were eight (8) TL exceedances of these metals in this monitoring round. The TLs and the corresponding compliance well data from this monitoring round are presented in Table 3. Arsenic, barium, and cobalt are routinely detected in groundwater beneath the landfill.

CUSUM METHOD STATISTICAL EVALUATION

The Shewhart-CUSUM Method, a supplemental statistical analysis method used in addition to the TI Method, was performed in accordance with the US EPA documents titled "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Interim Final Guidance, April 1989" and "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Addendum to Interim Final Guidance, July, 1992".

Barium at OW-12 and OW-13 and copper at OW-13 exceeded both of their respective Shewhart-CUSUM thresholds during the March 2019 monitoring round.

ASSESSMENT MONITORING

The Shewhart-CUSUM analysis is utilized, along with the Tolerance Limits, to identify when Assessment Monitoring should be performed.

Pare performed Assessment Monitoring at OW-13 in the June 2018 monitoring round due to an exceedance of both the TL and the Shewhart-CUSUM threshold of barium in the March 2018 monitoring round. No (0) Appendix B parameters were reported in samples collected from OW-13.

One (1) Appendix B parameter, sulfides, was reported above its respective detection limits in December 2017, as a result, Pare recommended that OW-14 be tested for sulfides in March 2018. Sulfides (0.04 mg/L) were detected in the samples collected from OW-14 in March 2018. Pare attempted to sample OW-14 in the September 2018 monitoring round to test for sulfides; however, a sample was unobtainable due to dry conditions. Pare sampled OW-14 for sulfides in December 2018. Sulfides were not detected in the samples collected at OW-14 during the December 2018 monitoring round.

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Pare sampled OW-14 for sulfides in the March 2019 monitoring round. Sulfides were not detected in the samples collected at OW-14 during this monitoring round.

SURFACE WATER MONITORING

Per the request of the RIDEM in a letter dated January 31, 2019, the Town began incorporating surface water monitoring at surface water locations SW-1, SW-2, and SW-3 into the existing regular quarterly monitoring program. The parameters for surface water monitoring include: Appendix A metals, mercury, tin, iron, ammonia, TKN, total nitrogen, total phosphorus, and hardness. Additionally, field screening was performed at each surface water location to determine temperature, pH, and specific conductivity.

Monitoring Location SW-1 – Eight (8) target metals were detected in the surface water sample collected at SW-1. No (0) metals were detected above their respective aquatic life thresholds. Two (2) parameters, iron (0.521 mg/L) and total phosphorous (0.05 mg/L), exceeded their human health threshold (0.3 mg/L and 0.05 mg/L, respectively) but did not exceed their aquatic life thresholds. Additionally, ammonia, total nitrogen, and TKN were detected in the samples collected at SW-1; however, they did not exceed their given threshold values, or no threshold values have been established for these parameters.

Monitoring Location SW-2 – Nine (9) target metals were detected in the surface water sample collected at SW-2. No (0) metals were detected above their respective aquatic life thresholds. One (1) parameter, iron (0.516 mg/L), exceeded its human health threshold (0.3 mg/L) but did not exceed its aquatic life threshold. Additionally, total nitrogen and TKN were detected in the samples collected at SW-2; however, no threshold values have been established for these parameters.

Monitoring Location SW-3 – Eight (8) target metals were detected in the surface water sample collected at SW-3. One (1) metal, lead (0.0009 mg/L), was detected above its chronic aquatic life threshold (0.0005 mg/L). One parameter, iron (0.449 mg/L), exceeded its human health threshold (0.3 mg/L) but did not exceed its aquatic life threshold. Additionally, total nitrogen and TKN were detected in the samples collected at SW-3; however, no threshold values have been provided for these parameters.

MTBE ANALYSIS

Many of the most recent Assessment Monitoring rounds have been conducted due to MTBE concentrations in groundwater. Reported MTBE concentrations have generally risen since September 2006, as depicted in the attached figure titled Reported Concentrations of MTBE. The figure compares the recent increases in reported MTBE concentrations at OW-13, OW-14 and OW-15 to historical concentrations and drinking water advisories defined in the US EPA document titled "2011 Edition of the Drinking Water Standards and Health Advisories". Although reported MTBE concentrations appear to be trending slowly upward, MTBE has never been reported above its odor threshold (0.020 mg/L) or its taste threshold (0.040 mg/L). The US EPA has not established a human health advisory concentration for MTBE.

Because the elevated concentrations of MTBE have recently triggered Assessment Monitoring at OW-13, OW-14, and OW-15, and that no Appendix B parameters were reported to a significant degree at these wells, it is Pare's opinion that the increasing trend in MTBE concentrations beneath the Landfill is an isolated phenomenon and not the result of a significant change in groundwater quality beneath the Landfill.

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Despite CUSUM values of MTBE at OW-13, OW-14, and OW-15 remaining above their threshold during the September 2017 monitoring round, Pare does not recommend assessment monitoring due to the aforementioned MTBE trend. The lack of Appendix B parameters in the past, in conjunction with the lack of Appendix B parameters at OW-13 and OW-15 during the December 2016 monitoring round, and the lack of Appendix B parameters at OW-14 during the June 2016 monitoring round, suggests that the presence of MTBE trend does not indicate an increased likelihood that Appendix B parameters would be present beneath the Landfill.

CONCLUSIONS AND RECOMMENDATIONS

Currently, the Landfill conducts Detection Monitoring for the parameters listed in Appendix A of the State Solid Waste Regulations, as well as mercury and tin. During this monitoring round, four (4) metals; arsenic, barium, cobalt and selenium; exceeded their tolerance limits (TLs) in at least one well. Arsenic exceeded its TL during the previous monitoring round at OW-13 and OW-15. Barium exceeded its TL during the previous monitoring round at OW-13, OW-14, and OW-15. Cobalt exceeded its TL during the previous monitoring round at OW-7, OW-13, OW-14, and OW-15. Exceedances in two consecutive monitoring rounds is one of the criteria used to consider performing Assessment Monitoring in subsequent monitoring rounds.

The only parameter that might trigger Assessment Monitoring is barium at OW-3, which had two previous TL exceedances and a Shewhart-CUSUM exceedance this round. Barium is consistently detected in all the groundwater monitoring wells on-site at concentrations consistent with the recent detection at OW-13. As such, it does not, in Pare's opinion, appear as though this recent detection is a significant change in groundwater quality beneath the landfill, and therefore, Pare does not recommend Assessment Monitoring in June 2019.

Since the 2016 monitoring periods, a rising trend in detections of antimony at the compliance wells became apparent. Antimony was detected at the background well above its MCL during the December 2017 monitoring round. Antimony was detected at the background well again during the March 2019 monitoring round but below its MCL. Previously, antimony had not been detected at the background well since the September 2011 monitoring round. The detection of antimony at compliance well OW-14 in the June 2017 monitoring round triggered Assessment Monitoring, which was performed in the December 2017 monitoring round. The Assessment Monitoring resulted in detection of one Appendix B parameter, sulfides (0.04 mg/L). However, antimony was not detected at any groundwater well during the December 2017 monitoring period. Analysis of the samples collected from OW-14 during the March 2018 monitoring round indicated another detection of sulfides (0.04 mg/L). Assessment Monitoring was not performed at OW-14 in June but was performed at OW-13. Sulfides were not detected in the Assessment Monitoring performed at OW-13 during the June 2018 monitoring round. OW-14 was attempted to be sampled again for sulfides in the September 2018 monitoring round; however, a sample was unable to be collected due to dry conditions. OW-14 was sampled again in the December 2018 and March 2019 monitoring rounds, but sulfides were not detected in either round.

The EPA has no MCL for sulfides in groundwater. Water with dissolved hydrogen sulfide will smell musty or swampy around 0.5-1.0 mg/L and Pare did not identify a noticeable smell emanating from the groundwater sample in either round during which the constituent was detected. Hydrogen sulfide gas can occur naturally in groundwater from plant materials rotting underground in anaerobic conditions. Hydrogen sulfide gas could also be resulting from gypsum buried at the Landfill. Sulfides have not been detected at OW-14 for the past

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two (2) monitoring rounds that the well has been sampled. Therefore, Pare recommends that sulfide monitoring be discontinued at OW-14 for the June 2019 monitoring round.

Pare recommended that wells OW-7 and OW-16 be incorporated into the compliance monitoring regimen in the 2017 Annual Groundwater Monitoring Report. Despite OW-7 having several years of sampling data, the sampling rounds were selected on a rotating basis with wells OW-6 and OW-8 for alternate monitoring. Pare recommends that wells OW-7 and OW-16 be sampled for two years, or eight consecutive monitoring rounds, prior to initiating statistical analysis. The March 2019 monitoring period marks the fifth monitoring round that these wells are to be sampled consistently; therefore, it is estimated that statistical analysis for the bedrock and overburden wells will begin in the March 2020 monitoring round.

Should the RIDEM have any questions regarding this letter or the attached data, please feel free to contact the undersigned at (401) 334-4100, thank you.

Very truly yours,

Timothy P. Thies, P.E. Senior Vice President

TPT/TCJ/abv

Attachments

cc: Richard Rogers, Tiverton Public Works Director (w/encl.)
Jay Lambert, Tiverton Landfill Subcommittee (w/encl.)
Jan Reitsma, Tiverton Town Administrator (w/encl.)
Travis C. Johnson, Pare Corporation (w/o encl.)

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<u>ATTACHMENT NO. 1</u> LABORATORY ANALYTICAL DATA REPORT



REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 9C29050 Client Project: 94139 - Tiverton Landfill

Report Date: 08-April-2019

Prepared for:

Travis Johnson
Pare Corporation
8 Blackstone Valley Place
Lincoln, RI 02865

Richard Warila, Laboratory Director New England Testing Laboratory, Inc. 59 Greenhill Street West Warwick, RI 02893 rich.warila@newenglandtesting.com NETLAB Case Number: 9C29050

Samples Submitted:

The samples listed below were submitted to New England Testing Laboratory on 03/29/19. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is 9C29050. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
9C29050-01	OW-9	Water	03/28/2019	03/29/2019
9C29050-02	OW-12	Water	03/28/2019	03/29/2019
9C29050-03	OW-7	Water	03/28/2019	03/29/2019
9C29050-04	OW-16	Water	03/28/2019	03/29/2019
9C29050-05	OW-14	Water	03/28/2019	03/29/2019
9C29050-06	OW-15	Water	03/28/2019	03/29/2019
9C29050-07	OW-13	Water	03/28/2019	03/29/2019
9C29050-08	SW-1	Water	03/28/2019	03/29/2019
9C29050-09	SW-2	Water	03/28/2019	03/29/2019
9C29050-10	SW-3	Water	03/28/2019	03/29/2019

Request for Analysis

At the client's request, the analyses presented in the following table were performed on the samples submitted.

OW-12 (Lab Number: 9C29050-02)

<u>Analysis</u>	<u>Method</u>
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8
Cadmium	EPA 200.8
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Lead	EPA 200.8
Mercury	EPA 200.8
Nickel	EPA 200.8
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Vanadium	EPA 200.8
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 200.8

OW-13 (Lab Number: 9C29050-07)

<u>Analysis</u>	<u>Method</u>
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8
Cadmium	EPA 200.8
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Lead	EPA 200.8
Mercury	EPA 200.8
Nickel	EPA 200.8
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Vanadium	EPA 200.8
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 200.8

OW-14 (Lab Number: 9C29050-05)

<u>Analysis</u>	<u>Method</u>
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8

OW-14 (Lab Number: 9C29050-05) (continued)

<u>Analysis</u>	<u>Method</u>
Cadmium	EPA 200.8
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Lead	EPA 200.8
Mercury	EPA 200.8
Nickel	EPA 200.8
Selenium	EPA 200.8
Silver	EPA 200.8
Sulfide	SM4500-S-D
Thallium	EPA 200.8
Tin	EPA 200.8
Vanadium	EPA 200.8
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 200.8

OW-15 (Lab Number: 9C29050-06)

<u>Analysis</u>	<u>Method</u>
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8
Cadmium	EPA 200.8
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Lead	EPA 200.8
Mercury	EPA 200.8
Nickel	EPA 200.8
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Vanadium	EPA 200.8
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 200.8

OW-16 (Lab Number: 9C29050-04)

<u>Analysis</u>	<u>Method</u>
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8
Cadmium	EPA 200.8
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Lead	EPA 200.8
Mercury	EPA 200.8
Nickel	EPA 200.8
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Vanadium	EPA 200.8
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 200.8

OW-7 (Lab Number: 9C29050-03)

<u>Analysis</u>	<u>Method</u>
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8
Cadmium	EPA 200.8
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Lead	EPA 200.8
Mercury	EPA 200.8
Nickel	EPA 200.8
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Vanadium	EPA 200.8
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 200.8

OW-9 (Lab Number: 9C29050-01)

<u>Analysis</u>	Method
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8
Cadmium	EPA 200.8
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Lead	EPA 200.8
Mercury	EPA 200.8
Nickel	EPA 200.8
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Vanadium	EPA 200.8
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 200.8

SW-1 (Lab Number: 9C29050-08)

<u>Analysis</u>	<u>Method</u>
Ammonia	SM4500-NH3-D
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8
Cadmium	EPA 200.8
Calcium	SM3120-B
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Iron	EPA 200.8
Lead	EPA 200.8
Magnesium	SM3120-B
Mercury	EPA 200.8
Nickel	EPA 200.8
Nitrate and Nitrite as N	4500-N03-E
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Total Kjeldahl Nitrogen	SM4500NH3-D
Total Nitrogen	Calculation
Total Phosphorous	SM4500-P-E
Vanadium	EPA 200.8
Zinc	EPA 200.8

SW-2 (Lab Number: 9C29050-09)

<u>Analysis</u>	<u>Method</u>
Ammonia	SM4500-NH3-D
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8
Cadmium	EPA 200.8
Calcium	SM3120-B
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Iron	EPA 200.8
Lead	EPA 200.8
Magnesium	SM3120-B
Mercury	EPA 200.8
Nickel	EPA 200.8
Nitrate and Nitrite as N	4500-N03-E
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Total Kjeldahl Nitrogen	SM4500NH3-D
Total Nitrogen	Calculation
Total Phosphorous	SM4500-P-E
Vanadium	EPA 200.8
Zinc	EPA 200.8

SW-3 (Lab Number: 9C29050-10)

<u>Analysis</u>	<u>Method</u>
Ammonia	SM4500-NH3-D
Antimony	EPA 200.8
Arsenic	EPA 200.8
Barium	EPA 200.8
Beryllium	EPA 200.8
Cadmium	EPA 200.8
Calcium	SM3120-B
Chromium	EPA 200.8
Cobalt	EPA 200.8
Copper	EPA 200.8
Iron	EPA 200.8
Lead	EPA 200.8
Magnesium	SM3120-B
Mercury	EPA 200.8
Nickel	EPA 200.8
Nitrate and Nitrite as N	4500-N03-E
Selenium	EPA 200.8
Silver	EPA 200.8
Thallium	EPA 200.8
Tin	EPA 200.8
Total Kjeldahl Nitrogen	SM4500NH3-D
Total Nitrogen	Calculation
Total Phosphorous	SM4500-P-E
Vanadium	EPA 200.8
Zinc	EPA 200.8

Method References

Methods for the Determination of Metals in Environmental Samples EPA-600/R-94/111, USEPA, 1994 Standard Methods for the Examination of Water and Wastewater, 20th Edition, APHA/ AWWA-WPCF, 1998

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, USEPA Soil Survey Laboratory Methods Manual, USDA/NCRS, 2014

NETLAB Case Number: 9C29050

Case Narrative

CASE NARRATIVE:

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Metals

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Volatile Organic Compounds

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria. Those compounds in italics were qualitatively screened via reconstructed ion chromatography and no detections were identified to the listed PQLs.

Wet Chemistry

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures.

Sample: OW-14 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
18496-25-8	Sulfide	376.2	ND	0.01

Sample: SW-1 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7664 41 7	Ammonia	SM4500-	0.2	0.1
7664-41-7	Ammonia	NH3-D	0.2	0.1
	TVNI	SM-4500-	0.4	0.1
	TKN	NH3-D	0.4	0.1
	Tatal Disassinas a	SM-4500-P-	0.05	0.03
	Total Phosphorus	E	0.05	0.02
7727-37-9	Total Nitrogen	Calculation	1.50	0.100

ND = Not Detected

Sample: SW-2 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7664-41-7	Ammonia	SM4500- NH3-D	ND	0.1
	TKN	SM-4500- NH3-D	0.5	0.1
	Total Phosphorus	SM-4500-P- E	ND	0.02
7727-37-9	Total Nitrogen	Calculation	0.500	0.100

ND = Not Detected

Sample: SW-3 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7664-41-7	Ammonia	SM4500-	ND	0.1
7004-41-7	Allillollia	NH3-D	ND	0.1
	TVNI	SM-4500-	0.3	0.1
	TKN	NH3-D	0.5	0.1
	Total Phosphorus	SM-4500-P-	ND	0.02
	Total i nospiloras	Е	140	0.02
7727-37-9	Total Nitrogen	Calculation	0.300	0.100

Sample: OW-9 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7440-36-0	Antimony	6010C	0.0001	0.0001
7440-38-2	Arsenic	6010C	0.0001	0.0001
7440-39-3	Barium	6010C	0.006	0.001
7440-41-7	Beryllium	6010C	0.0003	0.0001
7440-43-9	Cadmium	6010C	0.0001	0.0001
7440-47-3	Chromium	6010C	0.0019	0.0001
7440-48-4	Cobalt	6010C	0.0003	0.0001
7440-50-8	Copper	6010C	ND	0.001
7439-97-6	Mercury	7470A	ND	0.0002
7440-02-0	Nickel	6010C	0.001	0.001
7782-49-2	Selenium	6010C	ND	0.005
7440-22-44	Silver	6010C	0.0005	0.0001
7440-28-0	Thallium	7010	ND	0.0001
7440-34-5	Tin	6010C	ND	0.005
7440-62-2	Vanadium	6010C	ND	0.0005
7440-66-6	Zinc	6010C	0.003	0.001
7439-92-1	Lead	6010C	0.0007	0.0001

Sample: OW-12 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7440-36-0	Antimony	6010C	ND	0.0001
7440-38-2	Arsenic	6010C	ND	0.0001
7440-39-3	Barium	6010C	0.020	0.001
7440-41-7	Beryllium	6010C	ND	0.0001
7440-43-9	Cadmium	6010C	0.0004	0.0001
7440-47-3	Chromium	6010C	ND	0.0001
7440-48-4	Cobalt	6010C	0.0005	0.0001
7440-50-8	Copper	6010C	ND	0.001
7439-97-6	Mercury	7470A	ND	0.0002
7440-02-0	Nickel	6010C	0.010	0.001
7782-49-2	Selenium	6010C	ND	0.005
7440-22-44	Silver	6010C	0.003	0.0001
7440-28-0	Thallium	7010	ND	0.0001
7440-34-5	Tin	6010C	ND	0.005
7440-62-2	Vanadium	6010C	ND	0.0005
7440-66-6	Zinc	6010C	ND	0.001
7439-92-1	Lead	6010C	ND	0.0001

Sample: OW-7 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7440-36-0	Antimony	6010C	ND	0.0001
7440-38-2	Arsenic	6010C	0.0002	0.0001
7440-39-3	Barium	6010C	0.034	0.001
7440-41-7	Beryllium	6010C	ND	0.0001
7440-43-9	Cadmium	6010C	0.0007	0.0001
7440-47-3	Chromium	6010C	0.0011	0.0001
7440-48-4	Cobalt	6010C	0.0090	0.0001
7440-50-8	Copper	6010C	0.002	0.001
7439-97-6	Mercury	7470A	ND	0.0002
7440-02-0	Nickel	6010C	0.011	0.001
7782-49-2	Selenium	6010C	ND	0.005
7440-22-44	Silver	6010C	0.0002	0.0001
7440-28-0	Thallium	7010	ND	0.0001
7440-34-5	Tin	6010C	ND	0.005
7440-62-2	Vanadium	6010C	0.0013	0.0005
7440-66-6	Zinc	6010C	0.006	0.001
7439-92-1	Lead	6010C	0.0013	0.0001

Sample: OW-16 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7440-36-0	Antimony	6010C	ND	0.0001
7440-38-2	Arsenic	6010C	ND	0.0001
7440-39-3	Barium	6010C	0.014	0.001
7440-41-7	Beryllium	6010C	0.0001	0.0001
7440-43-9	Cadmium	6010C	0.0003	0.0001
7440-47-3	Chromium	6010C	ND	0.0001
7440-48-4	Cobalt	6010C	0.0008	0.0001
7440-50-8	Copper	6010C	ND	0.001
7439-97-6	Mercury	7470A	ND	0.0002
7440-02-0	Nickel	6010C	0.002	0.001
7782-49-2	Selenium	6010C	ND	0.005
7440-22-44	Silver	6010C	0.0001	0.0001
7440-28-0	Thallium	7010	ND	0.0001
7440-34-5	Tin	6010C	ND	0.005
7440-62-2	Vanadium	6010C	ND	0.0005
7440-66-6	Zinc	6010C	0.004	0.001
7439-92-1	Lead	6010C	ND	0.0001

Sample: OW-14 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7440-36-0	Antimony	6010C	0.0001	0.0001
7440-38-2	Arsenic	6010C	0.0018	0.0001
7440-39-3	Barium	6010C	0.202	0.001
7440-41-7	Beryllium	6010C	ND	0.0001
7440-43-9	Cadmium	6010C	ND	0.0001
7440-47-3	Chromium	6010C	0.0007	0.0001
7440-48-4	Cobalt	6010C	0.0059	0.0001
7440-50-8	Copper	6010C	ND	0.001
7439-97-6	Mercury	7470A	ND	0.0002
7440-02-0	Nickel	6010C	0.011	0.001
7782-49-2	Selenium	6010C	ND	0.005
7440-22-44	Silver	6010C	0.0002	0.0001
7440-28-0	Thallium	7010	ND	0.0001
7440-34-5	Tin	6010C	ND	0.005
7440-62-2	Vanadium	6010C	0.0007	0.0005
7440-66-6	Zinc	6010C	0.004	0.001
7439-92-1	Lead	6010C	0.0010	0.0001

Sample: OW-15 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7440-36-0	Antimony	6010C	ND	0.0001
7440-38-2	Arsenic	6010C	0.0352	0.0001
7440-39-3	Barium	6010C	0.158	0.001
7440-41-7	Beryllium	6010C	ND	0.0001
7440-43-9	Cadmium	6010C	ND	0.0001
7440-47-3	Chromium	6010C	0.0007	0.0001
7440-48-4	Cobalt	6010C	0.0126	0.0001
7440-50-8	Copper	6010C	ND	0.001
7439-97-6	Mercury	7470A	ND	0.0002
7440-02-0	Nickel	6010C	0.025	0.001
7782-49-2	Selenium	6010C	ND	0.005
7440-22-44	Silver	6010C	0.0001	0.0001
7440-28-0	Thallium	7010	ND	0.0001
7440-34-5	Tin	6010C	ND	0.005
7440-62-2	Vanadium	6010C	0.0010	0.0005
7440-66-6	Zinc	6010C	0.003	0.001
7439-92-1	Lead	6010C	0.0003	0.0001

Sample: OW-13 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7440-36-0	Antimony	6010C	ND	0.0001
7440-38-2	Arsenic	6010C	0.0081	0.0001
7440-39-3	Barium	6010C	0.118	0.001
7440-41-7	Beryllium	6010C	ND	0.0001
7440-43-9	Cadmium	6010C	0.0004	0.0001
7440-47-3	Chromium	6010C	0.0004	0.0001
7440-48-4	Cobalt	6010C	0.0112	0.0001
7440-50-8	Copper	6010C	0.004	0.001
7439-97-6	Mercury	7470A	ND	0.0002
7440-02-0	Nickel	6010C	0.011	0.001
7782-49-2	Selenium	6010C	ND	0.005
7440-22-44	Silver	6010C	ND	0.0001
7440-28-0	Thallium	7010	ND	0.0001
7440-34-5	Tin	6010C	ND	0.005
7440-62-2	Vanadium	6010C	ND	0.0005
7440-66-6	Zinc	6010C	0.005	0.001
7439-92-1	Lead	6010C	0.0008	0.0001

Sample: SW-1 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7440-36-0	Antimony	6010C	ND	0.0001
7440-38-2	Arsenic	6010C	0.0002	0.0001
7440-39-3	Barium	6010C	0.023	0.001
7440-41-7	Beryllium	6010C	ND	0.0001
7440-43-9	Cadmium	6010C	ND	0.0001
7440-47-3	Chromium	6010C	0.0002	0.0001
7440-48-4	Cobalt	6010C	0.0002	0.0001
7440-50-8	Copper	6010C	ND	0.001
7439-89-6	Iron	6010C	0.521	0.001
7439-97-6	Mercury	7470A	ND	0.0002
7440-02-0	Nickel	6010C	0.001	0.001
7782-49-2	Selenium	6010C	ND	0.005
7440-22-44	Silver	6010C	ND	0.0001
7440-28-0	Thallium	7010	ND	0.0001
7440-34-5	Tin	6010C	ND	0.005
7440-62-2	Vanadium	6010C	ND	0.0005
7440-66-6	Zinc	6010C	0.002	0.001
7439-92-1	Lead	6010C	0.0003	0.0001

ND = Not Detected

Sample: SW-2 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7440-36-0	Antimony	6010C	ND	0.0001
7440-38-2	Arsenic	6010C	0.0003	0.0001
7440-39-3	Barium	6010C	0.006	0.001
7440-41-7	Beryllium	6010C	ND	0.0001
7440-43-9	Cadmium	6010C	ND	0.0001
7440-47-3	Chromium	6010C	0.0005	0.0001
7440-48-4	Cobalt	6010C	0.0002	0.0001
7440-50-8	Copper	6010C	ND	0.001
7439-89-6	Iron	6010C	0.516	0.001
7439-97-6	Mercury	7470A	ND	0.0002
7440-02-0	Nickel	6010C	0.001	0.001
7782-49-2	Selenium	6010C	ND	0.005
7440-22-44	Silver	6010C	ND	0.0001
7440-28-0	Thallium	7010	ND	0.0001
7440-34-5	Tin	6010C	ND	0.005
7440-62-2	Vanadium	6010C	0.0006	0.0005
7440-66-6	Zinc	6010C	0.003	0.001
7439-92-1	Lead	6010C	0.0003	0.0001

Sample: SW-3 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
7440-36-0	Antimony	6010C	ND	0.0001
7440-38-2	Arsenic	6010C	0.0002	0.0001
7440-39-3	Barium	6010C	0.007	0.001
7440-41-7	Beryllium	6010C	ND	0.0001
7440-43-9	Cadmium	6010C	ND	0.0001
7440-47-3	Chromium	6010C	0.0003	0.0001
7440-48-4	Cobalt	6010C	0.0002	0.0001
7440-50-8	Copper	6010C	ND	0.001
7439-89-6	Iron	6010C	0.449	0.001
7439-97-6	Mercury	7470A	ND	0.0002
7440-02-0	Nickel	6010C	0.002	0.001
7782-49-2	Selenium	6010C	ND	0.005
7440-22-44	Silver	6010C	ND	0.0001
7440-28-0	Thallium	7010	ND	0.0001
7440-34-5	Tin	6010C	ND	0.005
7440-62-2	Vanadium	6010C	ND	0.0005
7440-66-6	Zinc	6010C	0.004	0.001
7439-92-1	Lead	6010C	0.0009	0.0001

Sample: SW-1 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
(Total)	Hardness	6010C	112	0.125

ND = Not Detected

Sample: SW-2 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
(Total)	Hardness	6010C	20.6	0.125

ND = Not Detected

Sample: SW-3 Case Number: 9C29050

CAS RN	Common Name	Method	Result, ppm	PQL (ppm)
(Total)	Hardness	6010C	23.7	0.125

Case Number: 9C29050

Sample: OW-9 Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethylene	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane(DBCP)	ND	1.0
106-93-4	1,2-Dibromoethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
594-20-7	2,2-Dichloropropane	ND	1.0
591-78-6	2-Hexanone (Methyl butyl ketone)	ND	5.0
108-10-1	4-Methyl-2-pentanone	ND	5.0
67-64-1	Acetone	ND	5.0
75-05-8	Acetonitrile (Methyl cyanide)	ND	5.0
107-02-8	Acrolein	ND	5.0
107-13-1	Acrylonitrile	ND	5.0
107-05-1	Allyl chloride	ND	5.0
71-43-2	Benzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
75-15-0	Carbon disulfide	ND	5.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane (Ethyl chloride)	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
126-99-8	Chloroprene	ND	5.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	1.0
97-63-2	Ethyl methacrylate	ND	5.0
100-41-4	Ethylbenzene	ND	1.0
78-83-1	Isobutyl alcohol	ND	20.0
465-73-6	Isodrin	ND	5.0
541-73-1	m-Dichlorobenzene	ND	1.0
126-98-7	Methacrylonitrile Methacrylonitrile	ND ND	10.0
74-83-9	Methyl bromide (Bromomethane)	ND	1.0

Sample: OW-9 Case Number: 9C29050

Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
74-87-3	Methyl chloride (Chloromethane)	ND	1.0
78-93-3	Methyl ethyl ketone (MEK)	ND	5.0
74-88-4	Methyl iodide (Iodomethane)	ND	5.0
80-62-6	Methyl methacrylate	ND	10.0
74-95-3	Methylene bromide (Dibromomethane)	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
95-50-1	o-Dichlorobenzene	ND	1.0
106-46-7	p-Dichlorobenzene	ND	1.0
107-12-0	Propionitrile (Ethyl cyanide)	ND	20.0
100-42-5	Styrene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
1634-04-4	tert-Butylmethylether	ND	1.0
108-88-3	Toluene	ND	1.0
156-60-5	trans-1,2-Dichloroethylene	ND	1.0
10061-02-6	trans-1,3-Dichloropropene	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane (CFC-11)	ND	1.0
108-05-4	Vinyl acetate	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
1330-20-7	Xylene (total)	ND	1.0

Surrogates:

Compound	% Recovery	Limits
Toluene d8	107%	70-130
1,2-Dichloroethane d4	103%	70-130
4 BFB	99%	70-130

Case Number: 9C29050

Sample: OW-12 Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethylene	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane(DBCP)	ND	1.0
106-93-4	1,2-Dibromoethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
594-20-7	2,2-Dichloropropane	ND	1.0
591-78-6	2-Hexanone (Methyl butyl ketone)	ND	5.0
108-10-1	4-Methyl-2-pentanone	ND	5.0
67-64-1	Acetone	ND	5.0
75-05-8	Acetonitrile (Methyl cyanide)	ND	5.0
107-02-8	Acrolein	ND	5.0
107-13-1	Acrylonitrile	ND	5.0
107-05-1	Allyl chloride	ND	5.0
71-43-2	Benzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
75-15-0	Carbon disulfide	ND	5.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane (Ethyl chloride)	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
126-99-8	Chloroprene	ND	5.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	1.0
97-63-2	Ethyl methacrylate	ND	5.0
100-41-4	Ethylbenzene	ND	1.0
78-83-1	Isobutyl alcohol	ND	20.0
465-73-6	Isodrin	ND	5.0
541-73-1	m-Dichlorobenzene	ND	1.0
126-98-7	Methacrylonitrile	ND	10.0
74-83-9	Methyl bromide (Bromomethane)	ND	1.0

Sample: OW-12 Case Number: 9C29050

Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
74-87-3	Methyl chloride (Chloromethane)	ND	1.0
78-93-3	Methyl ethyl ketone (MEK)	ND	5.0
74-88-4	Methyl iodide (Iodomethane)	ND	5.0
80-62-6	Methyl methacrylate	ND	10.0
74-95-3	Methylene bromide (Dibromomethane)	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
95-50-1	o-Dichlorobenzene	ND	1.0
106-46-7	p-Dichlorobenzene	ND	1.0
107-12-0	Propionitrile (Ethyl cyanide)	ND	20.0
100-42-5	Styrene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
1634-04-4	tert-Butylmethylether	ND	1.0
108-88-3	Toluene	ND	1.0
156-60-5	trans-1,2-Dichloroethylene	ND	1.0
10061-02-6	trans-1,3-Dichloropropene	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane (CFC-11)	ND	1.0
108-05-4	Vinyl acetate	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
1330-20-7	Xylene (total)	ND	1.0

Surrogates:

Compound	% Recovery	Limits
Toluene d8	104%	70-130
1,2-Dichloroethane d4	106%	70-130
4 BFB	95%	70-130

Case Number: 9C29050

Sample: OW-7 Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethylene	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane(DBCP)	ND	1.0
106-93-4	1,2-Dibromoethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
594-20-7	2,2-Dichloropropane	ND	1.0
591-78-6	2-Hexanone (Methyl butyl ketone)	ND	5.0
108-10-1	4-Methyl-2-pentanone	ND	5.0
67-64-1	Acetone	ND	5.0
75-05-8	Acetonitrile (Methyl cyanide)	ND	5.0
107-02-8	Acrolein	ND	5.0
107-13-1	Acrylonitrile	ND	5.0
107-05-1	Allyl chloride	ND	5.0
71-43-2	Benzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
75-15-0	Carbon disulfide	ND	5.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane (Ethyl chloride)	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
126-99-8	Chloroprene	ND	5.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	1.0
97-63-2	Ethyl methacrylate	ND	5.0
100-41-4	Ethylbenzene	ND	1.0
78-83-1	Isobutyl alcohol	ND	20.0
465-73-6	Isodrin	ND	5.0
541-73-1	m-Dichlorobenzene	ND	1.0
126-98-7	Methacrylonitrile	ND	10.0
74-83-9	Methyl bromide (Bromomethane)	ND	1.0

Sample: OW-7 Case Number: 9C29050

Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
74-87-3	Methyl chloride (Chloromethane)	ND	1.0
78-93-3	Methyl ethyl ketone (MEK)	ND	5.0
74-88-4	Methyl iodide (Iodomethane)	ND	5.0
80-62-6	Methyl methacrylate	ND	10.0
74-95-3	Methylene bromide (Dibromomethane)	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
95-50-1	o-Dichlorobenzene	ND	1.0
106-46-7	p-Dichlorobenzene	ND	1.0
107-12-0	Propionitrile (Ethyl cyanide)	ND	20.0
100-42-5	Styrene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
1634-04-4	tert-Butylmethylether	4.0	1.0
108-88-3	Toluene	ND	1.0
156-60-5	trans-1,2-Dichloroethylene	ND	1.0
10061-02-6	trans-1,3-Dichloropropene	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane (CFC-11)	ND	1.0
108-05-4	Vinyl acetate	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
1330-20-7	Xylene (total)	ND	1.0

Surrogates:

Compound	% Recovery	Limits
Toluene d8	122%	70-130
1,2-Dichloroethane d4	89%	70-130
4 BFB	101%	70-130

Case Number: 9C29050

Sample: OW-16 Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethylene	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane(DBCP)	ND	1.0
106-93-4	1,2-Dibromoethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
594-20-7	2,2-Dichloropropane	ND	1.0
591-78-6	2-Hexanone (Methyl butyl ketone)	ND	5.0
108-10-1	4-Methyl-2-pentanone	ND	5.0
67-64-1	Acetone	ND	5.0
75-05-8	Acetonitrile (Methyl cyanide)	ND	5.0
107-02-8	Acrolein	ND	5.0
107-13-1	Acrylonitrile	ND	5.0
107-05-1	Allyl chloride	ND	5.0
71-43-2	Benzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
75-15-0	Carbon disulfide	ND	5.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane (Ethyl chloride)	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
126-99-8	Chloroprene	ND	5.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	1.0
97-63-2	Ethyl methacrylate	ND	5.0
100-41-4	Ethylbenzene	ND	1.0
78-83-1	Isobutyl alcohol	ND	20.0
465-73-6	Isodrin	ND	5.0
541-73-1	m-Dichlorobenzene	ND	1.0
126-98-7	Methacrylonitrile	ND	10.0
74-83-9	Methyl bromide (Bromomethane)	ND	1.0

Sample: OW-16 Case Number: 9C29050

Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
74-87-3	Methyl chloride (Chloromethane)	ND	1.0
78-93-3	Methyl ethyl ketone (MEK)	ND	5.0
74-88-4	Methyl iodide (Iodomethane)	ND	5.0
80-62-6	Methyl methacrylate	ND	10.0
74-95-3	Methylene bromide (Dibromomethane)	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
95-50-1	o-Dichlorobenzene	ND	1.0
106-46-7	p-Dichlorobenzene	ND	1.0
107-12-0	Propionitrile (Ethyl cyanide)	ND	20.0
100-42-5	Styrene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
1634-04-4	tert-Butylmethylether	4.67	1.0
108-88-3	Toluene	ND	1.0
156-60-5	trans-1,2-Dichloroethylene	ND	1.0
10061-02-6	trans-1,3-Dichloropropene	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane (CFC-11)	ND	1.0
108-05-4	Vinyl acetate	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
1330-20-7	Xylene (total)	ND	1.0

Surrogates:

Compound	% Recovery	Limits
Toluene d8	105%	70-130
1,2-Dichloroethane d4	94%	70-130
4 BFB	100%	70-130

ND = Not Detected

Case Number: 9C29050

Sample: OW-14 Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethylene	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane(DBCP)	ND	1.0
106-93-4	1,2-Dibromoethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
594-20-7	2,2-Dichloropropane	ND	1.0
591-78-6	2-Hexanone (Methyl butyl ketone)	ND	5.0
108-10-1	4-Methyl-2-pentanone	ND	5.0
67-64-1	Acetone	ND	5.0
75-05-8	Acetonitrile (Methyl cyanide)	ND	5.0
107-02-8	Acrolein	ND	5.0
107-13-1	Acrylonitrile	ND	5.0
107-05-1	Allyl chloride	ND	5.0
71-43-2	Benzene	2.1	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
75-15-0	Carbon disulfide	ND	5.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	10.8	1.0
75-00-3	Chloroethane (Ethyl chloride)	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
126-99-8	Chloroprene	ND	5.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	1.0
97-63-2	Ethyl methacrylate	ND	5.0
100-41-4	Ethylbenzene	ND	1.0
78-83-1	Isobutyl alcohol	ND	20.0
465-73-6	Isodrin	ND	5.0
541-73-1	m-Dichlorobenzene	ND	1.0
126-98-7	Methacrylonitrile	ND	10.0
74-83-9	Methyl bromide (Bromomethane)	ND	1.0

Sample: OW-14 Case Number: 9C29050

Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
74-87-3	Methyl chloride (Chloromethane)	ND	1.0
78-93-3	Methyl ethyl ketone (MEK)	ND	5.0
74-88-4	Methyl iodide (Iodomethane)	ND	5.0
80-62-6	Methyl methacrylate	ND	10.0
74-95-3	Methylene bromide (Dibromomethane)	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
95-50-1	o-Dichlorobenzene	ND	1.0
106-46-7	p-Dichlorobenzene	2.1	1.0
107-12-0	Propionitrile (Ethyl cyanide)	ND	20.0
100-42-5	Styrene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
1634-04-4	tert-Butylmethylether	5.0	1.0
108-88-3	Toluene	ND	1.0
156-60-5	trans-1,2-Dichloroethylene	ND	1.0
10061-02-6	trans-1,3-Dichloropropene	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane (CFC-11)	ND	1.0
108-05-4	Vinyl acetate	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
1330-20-7	Xylene (total)	ND	1.0

Surrogates:

Compound	% Recovery	Limits
Toluene d8	100%	70-130
1,2-Dichloroethane d4	99%	70-130
4 BFB	97%	70-130

ND = Not Detected

Case Number: 9C29050

Sample: OW-15 Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethylene	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane(DBCP)	ND	1.0
106-93-4	1,2-Dibromoethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
594-20-7	2,2-Dichloropropane	ND	1.0
591-78-6	2-Hexanone (Methyl butyl ketone)	ND	5.0
108-10-1	4-Methyl-2-pentanone	ND	5.0
67-64-1	Acetone	ND	5.0
75-05-8	Acetonitrile (Methyl cyanide)	ND	5.0
107-02-8	Acrolein	ND	5.0
107-13-1	Acrylonitrile	ND	5.0
107-05-1	Allyl chloride	ND	5.0
71-43-2	Benzene	1.5	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
75-15-0	Carbon disulfide	ND	5.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	13.2	1.0
75-00-3	Chloroethane (Ethyl chloride)	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
126-99-8	Chloroprene	ND	5.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	1.0
97-63-2	Ethyl methacrylate	ND	5.0
100-41-4	Ethylbenzene	ND	1.0
78-83-1	Isobutyl alcohol	ND	20.0
465-73-6	Isodrin	ND	5.0
541-73-1	m-Dichlorobenzene	ND	1.0
126-98-7	Methacrylonitrile	ND	10.0
74-83-9	Methyl bromide (Bromomethane)	ND	1.0

Sample: OW-15 Case Number: 9C29050

Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
74-87-3	Methyl chloride (Chloromethane)	ND	1.0
78-93-3	Methyl ethyl ketone (MEK)	ND	5.0
74-88-4	Methyl iodide (Iodomethane)	ND	5.0
80-62-6	Methyl methacrylate	ND	10.0
74-95-3	Methylene bromide (Dibromomethane)	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
95-50-1	o-Dichlorobenzene	ND	1.0
106-46-7	p-Dichlorobenzene	2.1	1.0
107-12-0	Propionitrile (Ethyl cyanide)	ND	20.0
100-42-5	Styrene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
1634-04-4	tert-Butylmethylether	7.5	1.0
108-88-3	Toluene	ND	1.0
156-60-5	trans-1,2-Dichloroethylene	ND	1.0
10061-02-6	trans-1,3-Dichloropropene	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane (CFC-11)	ND	1.0
108-05-4	Vinyl acetate	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
1330-20-7	Xylene (total)	ND	1.0

Surrogates:

Compound	% Recovery	Limits
Toluene d8	108%	70-130
1,2-Dichloroethane d4	100%	70-130
4 BFB	103%	70-130

ND = Not Detected

Case Number: 9C29050

Sample: OW-13 Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethylene	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane(DBCP)	ND	1.0
106-93-4	1,2-Dibromoethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
594-20-7	2,2-Dichloropropane	ND	1.0
591-78-6	2-Hexanone (Methyl butyl ketone)	ND	5.0
108-10-1	4-Methyl-2-pentanone	ND	5.0
67-64-1	Acetone	ND	5.0
75-05-8	Acetonitrile (Methyl cyanide)	ND	5.0
107-02-8	Acrolein	ND	5.0
107-13-1	Acrylonitrile	ND	5.0
107-05-1	Allyl chloride	ND	5.0
71-43-2	Benzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform (Tribromomethane)	ND	1.0
75-15-0	Carbon disulfide	ND	5.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	5.9	1.0
75-00-3	Chloroethane (Ethyl chloride)	ND	1.0
67-66-3	Chloroform (Trichloromethane)	ND	1.0
126-99-8	Chloroprene	ND	5.0
156-59-2	cis-1,2-Dichloroethylene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	1.0
124-48-1	Dibromochloromethane	ND	1.0
75-71-8	Dichlorodifluoromethane (CFC 12)	ND	1.0
97-63-2	Ethyl methacrylate	ND	5.0
100-41-4	Ethylbenzene	ND	1.0
78-83-1	Isobutyl alcohol	ND	20.0
465-73-6	Isodrin	ND	5.0
541-73-1	m-Dichlorobenzene	ND	1.0
126-98-7	Methacrylonitrile	ND	10.0
74-83-9	Methyl bromide (Bromomethane)	ND	1.0

Sample: OW-13 Case Number: 9C29050

Method: 8260C

CAS RN	Common Name	Result, ppb	PQL (ppb)
74-87-3	Methyl chloride (Chloromethane)	ND	1.0
78-93-3	Methyl ethyl ketone (MEK)	ND	5.0
74-88-4	Methyl iodide (Iodomethane)	ND	5.0
80-62-6	Methyl methacrylate	ND	10.0
74-95-3	Methylene bromide (Dibromomethane)	ND	1.0
75-09-2	Methylene chloride (Dichloromethane)	ND	1.0
95-50-1	o-Dichlorobenzene	ND	1.0
106-46-7	p-Dichlorobenzene	ND	1.0
107-12-0	Propionitrile (Ethyl cyanide)	ND	20.0
100-42-5	Styrene	ND	1.0
127-18-4	Tetrachloroethylene	ND	1.0
1634-04-4	tert-Butylmethylether	3.4	1.0
108-88-3	Toluene	ND	1.0
156-60-5	trans-1,2-Dichloroethylene	ND	1.0
10061-02-6	trans-1,3-Dichloropropene	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
79-01-6	Trichloroethylene	ND	1.0
75-69-4	Trichlorofluoromethane (CFC-11)	ND	1.0
108-05-4	Vinyl acetate	ND	5.0
75-01-4	Vinyl chloride (Chloroethene)	ND	1.0
1330-20-7	Xylene (total)	ND	1.0

Surrogates:

Compound	% Recovery	Limits
Toluene d8	109%	70-130
1,2-Dichloroethane d4	102%	70-130
4 BFB	99%	70-130

ND = Not Detected

NEW ENGLAND TESTING LABORATORY, INC. 59 Greenhill Street West Warwick, RI 02893 CHAIN CHAIN	1. 85		CLESTOCOM OF THE	S. L. R. CONTAINERS V. E. C.	X	x x x x x x x x x x x x x x x x x x x	X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	X XX X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	x	Date/Time Laboratory Remarks: U	3/28/17 5:30, BRelease 3/29/17 1530 Temp. received:		Pate/Time Received for Laboratory by: (Signature)	W Turnaround (Business Days)
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ATTACHMENT NO. 2 ANALYTICAL SUMMARY TABLES

TABLE 2 BACKGROUND WELL HISTORICAL RESULTS APPENDIX A - CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-9 Concentration (Expressed in same units as Threshold Value)

Parameter .	Threshold	MAR '19	DEC '18	SEP '18	JUN '18	MAR '18	DEC '17	SEP '17	JUN '17	MAR '17	DEC '16	SEP '16	JUN '16	MAR '16	DEC 15	SEP '15	JUN '15	MAR '15	DEC '14	SEP '14	JUN '14	MAR '14	DEC '13	SEP '13	JUN '13	MAR '13	DEC '12	SEP '12	JUN '12	MAR '12	DEC '11	SEP '11	JUN '11	MAR '11	DEC '10	SEP '10	JUN '10
	Value						_																														
Antimony Arsenic	0.006 mg/L ¹	0.0001	ND ND	NT NT	ND ND	ND ND	0.0290 ND	NT NT	NT NT	ND 0.0030	ND ND	NT NT	NT NT	ND ND	ND ND	NT NT	NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	0.0160 ND	0.2000 ND	ND ND	ND ND	NT	ND ND
Barium	2 mg/L1	0.0060	0.0320	NT	0.0090	0.0130	0.0410	NT	NT	0.0100	0.0060	NT	NT	0.0110	0.0110	NT	NT	0.0070	0.0420	NT	0.0100	0.0120	0.0200	NT	0.0150	0.0130	0.0160	NT	0.0110	0.0120	0.0070	0.0120	0.0080	0.0221	0.0230	NT	0.0460
Beryllium	0.004 mg/L1	0.0003	ND	NT	ND	ND	ND	NT	NT	ND	ND	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND.	NT	ND	ND	ND	NT	ND	NT	0.0015						
Cadmium	0.005 mg/L ¹	0.0001	ND	NT	ND	0.0020	0.3650	NT	NT	ND	ND	NT	NT	0.0010	ND	NT	NT	ND	0.0020	NT	ND	ND	0.0050	NT	0.0040		0.0010	NT	ND	ND	ND	0.0020	ND	ND	ND	NT	ND
Chromium Cobalt	0.1 mg/L ¹ 0.73 mg/L ⁵	0.0019	0.013	NT NT	0.003 ND	0.0070	0.0300	NT NT	NT NT	0.0040 ND	ND ND	NT NT	NT NT	0.0050 ND	0.0070 ND	NT NT	NT NT	0.0060 ND	0.0270	NT NT	0.0060 ND	0.0070	0.0150	NT NT	0.0070	0.0070	0.0120	NT NT	0.0050 ND	0.0080	0.0040 ND	0.0020 ND	ND ND	0.0079	0.0068	NT NT	0.0230
Copper	1.3 mg/L ¹	ND	0.0030	NT	ND	ND	0.0620	NT	NT	ND ND	ND.	NT	NT	0.0020	ND	NT	NT	0.0020	0.0100	NT	ND	0.0010	0.0030	NT	0.0020	ND	0.0030	NT	ND ND	0.0020	0.0010	0.0100	0.0400	0.0019	0.0015	NT	0.0200
Lead	0.015 mg/L ¹	0.0007	0.004	NT	0.001	0.0020	0.1820	NT	NT	0.0020	0.0060	NT	NT	ND	0.0050	NT	NT	0.0010	0.0160	NT	0.0060	0.0030	0.1020	NT	0.0080	0.0020	0.0060	NT	ND	0.0110	0.0010	0.0040	0.0060	ND	ND	NT	0.0140
Mercury	0.002 mg/L ¹	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Nickel	0.1 mg/L ²	0.0010	0.006	NT	0.001	0.0040	0.0240	NT	NT NT	0.0040	ND	NT	NT	0.0030	0.0030	NT NT	NT	0.0170	0.0180	NT NT	0.0030	0.0040	0.0090	NT	0.0050	0.0050	0.0070	NT NT	0.0030	0.0040	0.0020	0.0080	0.0080	0.0046	0.0037	NT	0.0150
Selenium	0.05 ma/L ¹ 0.1 ma/L ^{2,3}	ND 0.0005	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	0.0100 ND	NT NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	0.0060 ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	0.0100 ND	0.0100	ND ND	ND ND	NT NT	ND ND
Thallum	0.002 mg/L ¹	ND	ND	NT	ND	ND ND	ND ND	NT	NT	ND ND	ND	NT	NT	ND ND	ND	NT	NT	ND	ND	NT	ND	ND	ND ND	NT	ND	ND	ND	NT	ND ND	ND ND	ND ND	ND I	ND.	ND	ND	NT	ND ND
Tin	22 mg/L ⁵	ND	ND	NT	ND	ND	ND	NT	NT	ND	ND	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	0.0080	0.1310	NT	ND	ND	ND	NT	ND	ND	ND	ND	0.0190	ND	ND	NT	ND
Vanadium	0.26 mg/L ⁵	ND	0.0080	NT	ND	0.0020	ND	NT	NT	ND	ND	NT	NT	0.0010	0.0020	NT	NT	ND	0.0140	NT	0.0020	0.0030	0.0070	NT	0.0030	0.0020	0.0040	NT	ND	0.0010	ND	ND	ND	0.0034	0.0034	NT	0.0150
Zinc Acetone	2 mg/L ^{2,3} 610 μg/L ²	0.0030 ND	0.0250 ND	NT NT	0.0090 ND	0.0190 ND	11.1000 ND	NT NT	NT NT	0.0070 ND	ND NT	NT NT	NT NT	0.0100 ND	0.0050 ND	NT NT	NT NT	ND ND	0.0410 ND	NT NT	0.0110 ND	0.0080 ND	0.0170 ND	NT NT	0.0210 ND	0.0120 ND	0.0160 ND	NT NT	0.0150 ND	0.0120 ND	0.0090 ND	0.0140 ND	ND ND	0.0257 ND	0.0190 ND	NT NT	0.0330 ND
Acrylonitrile	0.039 µg/L"	ND ND	ND	NT	ND	ND ND	ND ND	NT	NT	ND ND	NT	NT	NT	ND ND	ND	NT	NT	ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND	ND	ND ND	NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	NT	ND ND
Benzene	5 μg/L'	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Bromochloromethane	80 μg/L ²	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Bromodichloromethane (THM)	90 µ9 ¹ L	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Bromoform Carbon disulfide	80 µgL ³ 1000 µgL ³	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	NT NT	ND ND						
Carbon tetrachloride	5 μg/L ¹	ND	ND.	NT	ND	ND.	ND	NT	NT	ND	NT	NT	NT	ND.	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND.	ND ND	NT	ND	ND	ND	ND.	ND	ND	ND ND	NT	ND
Chlorobenzene	100 µ9 ¹ L ¹	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Chloroethane	4.6 μg/L ⁵	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Chloroform (THM) Chlorodibromomethane (THM)	80 μg/L' 80 μg/L'	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	NT NT	ND ND						
1,2-Dibromo-3-chloropropane (DBC	0.2 μg/L ¹	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT NT	NT NT	ND ND	ND ND	NT	NI	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT	ND ND	NT NT	ND ND						
1,2-Dibromoethane (EDB)	0.05 µg/L'	ND	ND.	NT	ND	ND.	ND	NT	NT	ND	NT	NT	NT	ND.	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND.	ND ND	NT	ND	ND	ND	ND.	ND	ND	ND ND	NT	ND
1,2-Dichlorobenzene	600 µg/L'	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
1,4-Dichlorobenzene	75 µ9 ¹ L¹	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
trans-1,4-Dichloro-2-butene 1,1-Dichloroethane	μg/L 5 μg/L	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	NT NT	ND ND						
1,2-Dichloroethane	5 ugl	ND ND	ND.	NT	ND ND	ND ND	ND ND	NT	NT	ND ND	NT	NT	NT	ND ND	ND ND	NT	NT	ND ND	ND ND	NT	ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NT	ND ND
1,1-Dichloroethylene	7 μg/L¹	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
cis-1,2-Dichloroethene	70 µ9 ¹ L ¹	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
trans-1,2-Dichloroethene	100 μg/L ¹ 5 μg/L ¹	ND	ND	NT	ND	ND	ND	NT	NT NT	ND	NT NT	NT	NT	ND ND	ND	NT NT	NT NT	ND	ND ND	NT NT	ND	ND ND	ND	NT	ND	ND	ND ND	NT	ND	ND ND	ND	ND	ND	ND	ND	NT NT	ND
1,2-Dichloropropane cis-1,3-Dichloropropene	ը μց/L	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT NT	NT NT	ND ND	ND ND	NT	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	NT NT	ND ND						
trans-1,3-Dichloropropene	µg/L	ND	ND.	NT	ND	ND.	ND	NT	NT	ND	NT	NT	NT	ND.	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND.	ND ND	NT	ND	ND	ND	ND.	ND	ND	ND ND	NT	ND
Ethylbenzene	700 µg/L1	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Methyl butyl ketone(2-Hexanone)	160 µg/L"	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Bromomethane Chloromethane	10 μgl." 30 μgl."	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	NT NT	ND ND						
Dibromomethane	61 μg/L ^b	ND ND	ND	NT	ND	ND ND	ND ND	NT	NT	ND ND	NT	NT	NT	ND ND	ND ND	NT	NT	ND ND	ND ND	NT	ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	NT	ND ND
Methylene chloride	5 μg/L'	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Methyl ethyl ketone(2-Butanone)	4000 μgL ²	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Methyl iodide	μgL μgL	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	NT NT	ND ND						
4-Methyl-2-pentanone Styrene	100 µ9°L	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT NT	NT NT	ND ND	ND ND	NT	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NI NT	ND ND	NT NT	ND ND						
1,1,1,2-Tetrachloroethane	70 µg/L²	ND	ND.	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND.	ND ND	NT	ND	ND	ND	ND.	ND	ND	ND ND	NT	ND
1,1,2,2-Tetrachloroethane	0.3 μg/L ²	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Tetrachloroethylene(PCE)	5 μg/L1	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	2.1	ND	ND	NT	ND	NT	ND						
Toluene	1000 µgL1	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	NT NT	ND ND						
1,1,1-Trichloroethane 1,1,2-Trichloroethane	200 μg/L' 5 μg/L'	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	NT NT	ND ND						
Trichloroethylene(TCE)	5 μg/L'	ND	ND	NT	ND	ND ND	ND	NT	NT	ND	NT	NT	NT	ND ND	ND	NT	NT	ND ND	ND	NT	ND	ND	ND ND	NT	ND	ND ND	ND	NT	ND ND	ND	ND	ND ND	ND	ND	ND	NT	ND
Trichloroflouromethane	2000 µg/L*	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
1,2,3-Trichloropropane	40 μg/L ²	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
Vinyl acetate Vinyl chloride	410 μgL ³ 2 μgL ³	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	NT NT	ND ND	NT NT	NT NT	NT NT	ND ND	ND ND	NT NT	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	NT NT	ND ND						
Vinyi chionde Xvienes	2 μg/L 10000 μg/L'	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT	NT	ND ND	NT NT	NT	NT	ND ND	ND ND	NT	NT	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NI NT	ND ND	NT NT	ND ND						
Methyl tert-butyl ether (MTBE)	20 - 40 μg/L ⁴	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	NT	ND	ND	NT	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	NT	ND						
		eded MCI																																			

- 1. Threshold value given is the Maximum Contaminant Level (MCL), as growded in the USEPA 2004 Edition of the Dinking Water Standards and Health Advisories
 2. Threshold value given is the filter health advisory as provided in the USEPA 2004 Edition of the Dinking Water Standards and Health Advisories
 3. Threshold value given is the Scordardy Dinking Water Regulation (SVIII) as provided in the USEPA 2004 Edition of the Dinking Water Advisory as provided in the USEPA 2006 Edition of the Dinking Water Standards and Health Advisories
 4. Threshold value given is the Dinking Water Advisory as provided in the USEPA 2006 Edition of the Dinking Water Standards and Health Advisories
 5. Threshold value given is the Plantinery Remoded Good (PRI) of 10 me user, as provided in the Oscider 2004 USEPA 2009 PRIOS Table 2000 Update
 6. Constituted concentration was reported above its biboratory remode disection list, but lever than its biboratory reporting limit and historical reporting limit.
 6. However, the reporting in this round was significantly higher than provided prints user for some constituents with concentrations lower than historical reporting limits were reported as non-detect.

No threshold value has been provided for parameters not identified in the sources listed above
" = One half of the libboratory detection limit "DL"
NT = Not Tested due to dry conditions at well.

TABLE 1 (CONT.) SUMMARY OF GROUNDWATER MONITORING RESULTS

MONITORING WELL OW-7

Concentration (expressed in same units as MCL)

					Co	ncentration	(expresse	d in same ι	ınits as MC	L)			
<u>Parameter</u>	Max. Cont. Level (MCL)	DEC '01	SEP '01	SEP '99	SEP '98	JUN '98	SEP '97	SEP '96	MAR'96	SEP '95	JUN. '95	DEC'94	SEP.'94
			<u> </u>	<u> </u>						·			
Antimony	0.006 mg/l	ND ND	ND ND	ND ND	ND	ND 0.015	ND	BDL	BDL	BDL	BDL	BDL	BDL
Arsenic Barium	0.05 mg/l 2 mg/l	0.12	0.14	0.10	0.017 0.33	0.015	ND 0.085	0.066 0.232	0.18 0.533	0.15 0.351	0.073 0.364	0.1 1.11	0.041 0.352
Beryllium	0.004 mg/l	0.0020	ND	0.0028	0.0083	0.007	0.003 ND	0.0046	0.0149	0.0084	0.0077	0.03	0.007
Cadmium	0.005 mg/l	0.091	0.26	0.0025	0.014	0.012	0.0087	0.067	0.068	0.052	0.025	0.04	0.007
Chromium	0.1 mg/l	0.056	0.049	ND	0.25	0.25	ND	0.127	0.43	0.194	0.143	0.73	0.123
Cobalt	mg/l	0.060	0.058	0.022	0.11	0.12	ND	0.067	0.205	0.104	0.085	0.37	0.097
Copper	1.3 mg/l	0.28	0.53	0.081	0.32	0.28	0.055	0.322	0.531	0.297	0.178	0.7	0.157
Lead	0.015 mg/l	0.045	0.048	0.033	0.092	0.081	0.03	0.073	0.24	0.1	0.066	0.26	0.072
Nickel	0.1 mg/l	0.11	0.13	0.046	0.33	0.16	0.042	0.172	0.476	0.242	0.17	0.72	0.13
Selenium	0.05 mg/l	ND	ND	0.027	0.0028	ND	ND	BDL	BDL	BDL	BDL	BDL	BDL
Silver Thallium	0.05 mg/l 0.002 mg/l	ND 0.047	ND 0.048	ND ND	ND ND	ND ND	ND ND	BDL BDL	BDL BDL	BDL BDL	0.001 BDL	BDL BDL	BDL BDL
Vanadium	0.002 mg/l	0.047	0.048	0.014	0.19	0.2	ND	0.118	0.367	0.179	0.135	0.58	0.106
Zinc	5 mg/l	0.28	0.56	0.085	0.66	0.62	0.11	0.367	1.08	0.173	0.419	1.9	0.36
Mercury	0.002 mg/l	ND	ND	ND	ND	ND	ND		BDL	BDL	BDL	NT	NT
Acetone	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Acrylonitrate	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Benzene	5 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Bromodichloromethane	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide Bromomethane	ug/l ug/l	NT NT	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NT ND	NT ND	NT ND
Carbon tetrachloride	0.005 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/l	NT	NT	1.8	1.8	ND	1.8	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/l	NT	NT	1.9	ND	ND	2.0	2	5	ND	ND	ND	ND
Chloromethane	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
1,2-Dibromoethane	ug/l	NT	NT NT	ND	ND	ND	ND	ND	ND	ND	NT	NT NT	NT
Dibromomethane 1,2-Dichlorobenzene	ug/l 600 ug/l	NT NT	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NT ND	NI ND	NT ND
1,4-Dichlorobenzene	75 ug/l	NT	NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND
trans-1,4-Dichlo-2-butene	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
1,1 -Dichloroethane	5 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	70 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethylene	100 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene(1,1-Dichloroethene)	7 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5 ug/l	NT NT	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
cis-1,3-Dichloropropene trans-1,3-Dichloropropene	ug/l ug/l	NT	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Methylene chloride	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
1,1,2,2-Tetrachloroethane	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene(PCE)	5 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene(TCE)	5 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroflouromethane Vinyl chloride	ug/l 2 ug/l	NT NT	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Ethylbenzene	700 ug/l	NT	NT	ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND	2	ND
Toluene	1000 ug/l	NT	NT	ND	ND	ND ND	ND	ND	ND	ND ND	3	2	2
Xylenes	10000 ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	1	23	ND
Methyl butyl ketone(2-Hexanone)	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Methyl tert-butyl ether (MTBE)	ug/l	NT	NT	3.0	ND	ND	ND	ND	ND	ND	NT	NT	NT
Methyl ethyl ketone(2-Butanone)	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Methyl iodide	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
4-Methyl-2-pentanone	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
Styrene	ug/l	NT	NT	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT
1,2,3-Trichloropropane Vinyl acetate	ug/l ug/l	NT NT	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NT	NT	NT
viriyi acetate	ug/I	INI	INI	ND	ND	ND	ND	ND	טא	שוו			

ND = NOT DETECTED NT = PARAMETER NOT TESTED FOR No samples were collected during the March, June & December 1996, March & December 1997, March & December 1998, March, June & December 1999, March, June, September & December 2000, and March & June 2001 sampling rounds.

TABLE 1 SUMMARY OF GROUNDWATER MONITORING RESULTS APPENDIX A - CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-12 Concentration (Expressed in same units as Threshold Value)

<u>Parameter</u>	Threshold Value	MAR '19	DEC '18	SEP '18	JUN '18	MAR '18	DEC '17	SEP '17	JUN '17	MAR '17	DEC '16	SEP '16	JUN '16	MAR '16	DEC '15	SEP '15	JUN '15	MAR '15	DEC '14	SEP '14	JUN '14	MAR '14	DEC '13	SEPT '13	JUN '13	MAR '13	DEC '12	SEPT '12	JUN '12	MAR '12	DEC '11	SEPT '11	JUN '11	MAR '11	DEC '10	SEPT '10
Antimony	0.006 mg/L1	ND	ND	ND	0.001	ND	0.0210	ND	0.0010	0.0250	ND	0.0060	ND	ND	ND	0.0100	0.0600	ND	ND	ND																
Arsenic	0.010 mg/L ¹	ND	ND	ND	0.01	ND	0.0050	ND	0.0090	ND	ND	ND	0.0060	ND	0.0300	ND	ND	ND																		
Barium Beryllium	2 mg/L ¹ 0.004 mg/L ¹	0.02 ND	0.02 ND	0.023 ND	0.02 ND	0.0170 ND	0.0240 ND	0.0260 ND	0.0240 ND	0.0410 ND	0.0260 ND	0.0670 ND	0.0360	0.0200 ND	0.0260 ND	0.0250 ND	0.0190 ND	0.0600 ND	0.0160 ND	0.0210 ND	0.0120 ND	0.0140 ND	0.0130 ND	0.0150 ND	0.0080 ND	0.0130 ND	0.0180 ND	0.0170 ND	0.0160 ND	0.0160 ND	0.0100 ND	0.0280 ND	0.0130 ND	0.0113 ND	0.0151 ND ⁶	0.0156 ND
Cadmium	0.005 mg/L ¹	0.0004	ND	ND ND	ND	ND	ND	ND	ND	0.0010	ND	ND	ND																							
Chromium	0.1 mg/L ¹	ND.	ND	0.002	ND	ND	ND	0.0030	0.0010	0.0040	ND	0.0180		ND	0.0020	ND	ND	ND	ND	0.0020	0.0020	0.0020	0.0010	0.0020	ND	0.0020	ND	ND	ND	0.0010	ND	ND	ND	ND ⁴	ND ⁴	0.0014
Cobalt	0.73 mg/L ⁵	0.0005	ND	0.002	ND	ND	ND	0.0020	ND	0.0020	ND	0.0090	0.0080	ND	ND ⁶	0.0006	ND ⁶																			
Copper	1.3 mg/L1	ND	0.009	ND	ND	ND	ND	ND	ND	ND	ND	0.0200	0.0150	ND	0.0330	ND	ND	ND	ND	ND	0.0020	0.0030	0.0060	0.0020	0.0010	ND	ND	ND	ND	0.0010	ND	0.0100	0.0400	ND	0.0013	ND
Lead	0.015 mg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0150	0.0120	ND	ND	0.0020	ND	0.0020	0.0020	0.0030	0.0020	0.0020		0.0010	0.0010	0.0020	0.0020	0.0020	ND	0.0020	ND	ND	ND	ND	ND	ND
Mercury	0.002 mg/L1	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ⁶	ND	ND
Nickel Selenium	0.1 mg/L ² 0.05 mg/L ¹	0.01 ND	0.024 ND	0.025 ND	0.025 ND	0.0200 ND	0.0170 ND	0.0140 ND	0.0090 ND	0.0140 ND	0.0070 ND	0.0220 ND	0.0130 ND	0.0060	0.0080 ND	0.0040 ND	0.0060 ND	0.0040 ND	0.0040	0.0060 ND	0.0040	0.0040	0.0040	0.0050 ND	0.0020 ND	0.0040 ND	0.0050 ND	0.0040 ND	0.0030 ND	0.0050	0.0030	0.0070 ND	0.0110	0.0034 ND	0.0028 ND	0.0037 ND
Silver	0.1 mg/L ^{2,3}	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.	ND	ND	ND	ND	ND.	ND	0.0300	ND	ND	ND												
Thallum	0.002 mg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0010	ND	ND	ND																	
Tin	22 mg/L ⁵	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	0.0980	ND	0.1800	ND	ND	ND																			
Vanadium	0.26 mg/L ⁵	ND	ND	0.001	ND	ND	ND	0.0030	ND	0.0040	ND	0.0200	0.0200	ND	ND	ND	ND	ND	ND	0.0020	ND	ND	ND	0.0020	ND	0.0020	ND	ND	ND							
Zinc	2 mg/L ^{2,3}	ND	0.007	0.026	0.009	0.0070	0.0060	0.0130	0.0100	0.0220	ND	0.0500	0.0420	ND	ND	0.0050	0.0070	ND	0.0080	0.0100	ND	ND	0.0080	0.0070	0.0080	0.0160	ND	0.0170	0.0147	0.0151						
Acetone	610 µg/L ⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.3	ND	ND	ND								
Acrylonitrile Benzene	0.039 μg/L ³ 5 μg/L ³	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Bromochloromethane	80 ug/L ²	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (THM)	90 μg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	80 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	1000 µg/L ⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroberizene	100 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	4.6 µg/L ³	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Chlorodibromomethane (THM)	80 Hg/L ¹	ND ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND
1.2-Dibromo-3-chloropropane (DBCP	0.2 µg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.05 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600 µg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75 μg/L'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane 1,2-Dichloroethane	5 µg/L 5 µg/L	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1.1-Dichloroethylene	7 ug/L1	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1.2-Dichloroethene	70 ug/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene Methyl butyl ketone (2-Hexanone)	700 μg/L ³ 160 μg/L ⁵	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Bromomethane	10 μg/L ²	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	30 ug/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	61 µg/L ⁶	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5 μg/L'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone(2-Butanone)	4000 μg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl iodide 4-Methyl-2-pentanone	μg/L μg/L	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Styrene	100 µg/L ³	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	70 µg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.3 µg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene(PCE)	5 μg/L'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200 μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5 μg/L ³	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene(TCE) Trichloroflouromethane	5 μg/L' 2000 μg/L ²	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1.2.3-Trichloropropane	40 μg/L ²	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Viryl acetate	410 μg/L ⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2 μg/L ³	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	10000 μg/L ³	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	20 - 40 μg/L ⁴	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

No threshold value has been provided for parameters not identified in the sources listed above

TABLE 1 (CONT.) SUMMARY OF GROUNDWATER MONITORING RESULTS APPENDIX A - CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL UM-13 Concentration (Expressed in same units as Threshold Value)

Parameter	Threshold Value	MAR '19	DEC '18	SEP '18	JUN '18	MAR '18	DEC '17	SEP '17	JUN '17	MAR '17	DEC '16	SEP '16	JUN '16	MAR '16	DEC '15	SEP '15	JUN '15	MAR '15	DEC '14	SEP '14	JUN '14	MAR '14	DEC '13	SEPT '13	JUN '13	MAR '13	DEC '12	SEPT 12	JUN '12	MAR '12	DEC '11	SEPT '11	JUN '11	MAR '11	DEC '10
Antimory	0.006 mg/L1	ND	0.002	0.002	0.002	ND	0.0360	ND	0.0020	0.0080	ND	0.0110	ND	ND	ND	ND	ND	ND	ND	ND	0.0050	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0100	0.0200	ND	ND
Arsenic	0.010 mg/L1	0.0081	0.01	0.01	0.02	0.0070	ND	0.0050	0.0200	ND	ND	0.0100	ND	0.0190	0.0100	0.0110	0.0070	0.0040	0.0200	0.0070	ND	0.0140	0.0160	0.0070	0.0080	0.0070	ND	ND	0.0060	0.0050	0.0050	0.0090	ND	0.0096	0.0094
Barium	2 mg/L ¹	0.118	0.126	0.089	0.089	0.1150	0.0970	0.0460	0.0860	0.1080	0.0990	0.1830	0.0890	0.1700	0.0910	0.0870	0.0900	0.0890	0.1400	0.0870	0.0700	0.1180	0.0780	0.0650	0.0690	0.0750	0.0770	0.0760	0.0720	0.0760	0.0650	0.0760	0.0800	0.0912	0.0817
Beryllum	0.004 mg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.005 mg/L1	0.0004	0.004	0.003	0.004	0.0040	ND	0.0020	0.0030	0.0050	ND	0.0290	ND	0.0050	0.0040	0.0040	ND	ND	0.0020	ND	0.0020	ND	ND	ND	ND	0.0020	ND	ND	ND	ND	ND	0.0020	ND	0.0004	0.0004
Chromium	0.1 mg/L ¹ 0.73 mg/L ⁶	0.0004	0.002	0.002	0.002	0.0020	0.0010	ND	0.0040	0.0030	ND 0.0140	0.0330	0.0050	ND 0.0150	0.0040	ND	ND 0.0140	ND	0.0090	ND 0.0110	0.0010	0.0050	ND 0.0100	ND 0.0090	ND 0.0130	ND 0.0120	ND ND	ND 0.0100	ND 0.0130	ND 0.0120	ND 0.0110	ND 0.0120	ND 0.0090	ND	ND" 0.0156
Cobalt Copper	1.3 mg/L ¹	0.0112	0.013 ND	ND.	0.011 ND	0.0130 ND	0.0120 ND	0.0070 ND	0.0120	0.0140 ND	0.0140 ND	0.0280	0.0130 ND	0.0150	0.0130 ND	0.0120	0.0140 ND	0.0160	0.0180	0.0110	0.0100	0.0120	0.0100	0.0090	0.0130	ND	ND ND	0.0100 ND	0.0060	0.0120	0.0110	0.0120	0.0090	0.0192	0.0156
Lead	0.015 mg/L ¹	0.0008	0.002	ND	ND	0.0020	ND	ND	0.0010	ND	0.0070	0.0350	0.0190	ND ND	ND	0.0020	0.0030	0.0030	0.0170	0.0030	0.0030	0.0080	0.0020	0.0030	0.0030	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0040	0.0300	0.0028	ND
Mercury	0.013 mg/L	ND.	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.	ND	ND.	ND	ND.	ND	ND.	ND.	ND	ND	ND	ND	ND	ND	ND.	ND	ND	ND	ND.	ND.	ND	ND ⁶
Nickel	0.1 mg/L ²	0.011	0.014	0.012	0.011	0.0120	0.0290	0.0060	0.0120	0.0350	0.0140	0.0465	0.0130	0.0130	0.0120	0.0120	0.0130	0.0130	0.0220	0.0110	0.0100	0.0120	0.0100	0.0090	0.0100	0.0100	0.0100	0.0100	0.0110	0.0100	0.0090	0.0110	0.0060	0.0141	0.0127
Selenium	0.05 mg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0390	ND	ND	ND	0.0800	0.0210	0.0590	0.0120		0.0700	0.0350	0.0400	ND	ND	0.0700	0.0640	0.0620	0.0710	0.0690	0.0100	ND	ND
Silver	0.1 mg/L ²³	ND	0.001	ND	ND	ND	ND	0.0020	ND	0.0020	ND	ND	0.0010	0.0020	0.0020	ND	0.0010	0.0010	ND	0.0020	ND	0.0020	ND	0.0030	0.0340	ND	ND								
Thallium	0.002 mg/L ¹	ND	ND	ND	ND	0.0003	0.0003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
Tin	22 mg/L°	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	0.2800	0.1100	ND	0.0120	ND	ND	0.0010	ND	ND	ND	0.0170	0.0400	0.0090	0.0180	ND	ND	ND	ND	ND	ND	ND	ND	ND"	ND
Vanadium Zinc	0.26 mg/L ³ 2 mg/L ^{2,3}	ND	0.008	0.004	ND	ND 0.0170	0.0020	ND 0.0070	ND 0.0200	ND 0.0170	0.0060	0.0390	0.0030	ND 0.0060	ND	ND	ND	ND	0.0130	0.0020	ND ND	0.0010	0.0040	ND	0.0020	ND 0.0100	ND	ND	ND	ND	ND 0.0050	ND 0.0090	0.0200	ND 0.0178	ND
Acetone Acetone	610 uglu	0.005 ND	ND	0.01 ND	0.012 ND	ND	ND.	ND	0.0200 ND	0.0170 ND	ND ND	0.1300 ND	0.0130 ND	0.0060 ND	ND ND	0.0070 ND	ND ND	ND ND	0.0470 ND	ND ND	ND ND	0.0090 ND	ND ND	ND ND	ND.	ND	ND ND	ND ND	0.0230 ND	0.0050 ND	ND	0.0090 ND	ND ND	0.0178 ND	0.0092 ND
Acrylonitrile	0.039 µg/L ⁶	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ⁶	ND
Bromochloromethane	80 µg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (THM)	90 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	80 µg£1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	1000 µg/L ⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride Chlorobenzene	5 µg/L'	ND 5.9	ND 6.19	ND ND	ND 4.72	ND 5.40	ND ND	ND	ND 5.03	ND 6.8	ND ND	ND 5.5	ND 2.5	ND 6.6	ND 7.4	ND 6.3	ND 6.1	ND 7.4	ND 8.1	ND ND	ND 7.1	ND 7.2	ND 6.4	ND 2.2	ND 3.9	ND 6.8	ND 6.3	ND 1.6	ND 4.2	ND 6.7	ND 6.5	ND	ND 3.7	ND 6.2	ND 5.6
Chloropthane	100 μgL ¹	ND	6.19 ND	ND ND	4.72 ND	ND	ND	5.23 ND	ND.	ND	ND	ND ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	6.0 ND	ND	ND	ND							
Chloroform	80 µg/L1	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane (THM)	80 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	0.2 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.05 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600 µg/L1	ND	ND	ND	ND	ND	ND	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.	ND								
1,4-Dichlorobenzene	75 µg/L1	ND	1.31	ND	ND	ND	ND	1.11	ND	1.4	1.2	1.3	ND	ND	1.4	ND	ND	ND	ND	1.0	1.2	ND	ND	1.2	ND	1.4	1.0	ND"	1.1						
trans-1,4-Dichloro-2-butene 1,1-Dichloroethane	μgL	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,1-Dichloroethane 1,2-Dichloroethane	5 μգ/և 5 μգ/և	ND ND	ND ND	ND ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND ND	ND	ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND
1,1-Dichloroethylene	7 μg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1.2-Dichloroethene	70 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5 µgL1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	µg€.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	μgL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylberizene	700 µg/L ¹ 160 µg/L ⁵	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Methyl butyl ketone(2-Hexanone) Bromomethane	160 µg/L 10 µg/L ²	ND ND	ND ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND	ND	ND	ND ND	ND	ND ND	ND	ND	ND ND	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND	ND	ND	ND	ND ND	ND	ND ND
Chloromethane	30 µg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	61 µg/L ⁶	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone(2-Butanone)	4000 µ9€²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl iodide	μgL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	μαL 100 μαL¹	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Styrene 1,1,1,2-Tetrachloroethane	100 μg/L ²	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,1,2,2-Tetrachloroethane	0.3 µg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene(PCE)	5 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200 µg [®] L¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene(TCE)	5 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroflouromethane	2000 μg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane Virvi acetate	40 μgL ² 410 μgL ⁵	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Vinyl acesse Vinyl chloride	2 μg/L ¹	ND ND	ND ND	ND ND	ND ND	ND	ND	ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND	ND ND
Xvienes	10000 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	20 - 40 µg/L⁴	3.4	3.99	ND	3.26	ND	ND	3.70	3.53	6.1	ND	3.6	2.6	4.1	4.9	3.2	5.2	4.5	2.9	ND	4.2	5.0	5.4	3.3	3.3	5.0	4.5	2.8	3.8	4.5	2.8	4.7	3.2	7.9	3.8
	- Even	eded MCL																																	

TABLE 1 (CONT.) SUMMARY OF GROUNDWATER MONITORING RESULTS APPENDIX A - CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-14 Concentration (Expressed in same units as Threshold Value)

210 mg/L ¹ 2 mg/L ¹ 2 mg/L ¹ 2005 mg/L ¹ 2005 mg/L ¹ 2011 mg/L ¹ 273 mg/L ¹ 1.3 mg/L ¹ 1.3 mg/L ¹ 202 mg/L ¹ 205 mg/L ¹ 202 mg/L ² 202 mg/L ² 222 mg/L ⁵	0.00018 0.00018 0.00018 ND 0.00007 ND 0.00007 ND 0.0010 ND 0.00007 ND	0.005 ND 0.21 ND 0.0020 ND 0.0011 ND 0.011 ND	NT N	ND 0.01 1 0.155 ND 0.006 ND 0.006 ND	ND ND 0.2240 ND 0.0050 ND 0.0050 ND	0.0350 0.0030 ND 0.0020 0.0020 0.0020 0.0020 0.0030 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.0200 0.2400 0.0030	0.0410 0.0120 0.02490 ND 0.0060 0.0020 0.0130 ND ND ND ND ND ND ND ND ND ND	ND ND 0.2290 ND	NT N	ND ND 0.1380 0.0010 ND 0.0110 0.0110 0.0110 0.0110 0.0160 ND	ND 0.0070 0.1750 0.0010 0.0070 0.0030 0.0100 0.0030 0.0100 0.0070 ND 0.0160 ND	ND 0.0050 0.1980 ND ND 0.00170 ND	ND 0.0050 0.1140 0.0010 0.0060 0.0170 0.0170 0.0120 0.0070 ND 0.0200 0.0200 0.0010 0.0010 0.0010 0.0140 0.0680 ND	NT N	ND ND 0.2020 ND ND 0.0050 ND ND ND 0.0020 ND	ND ND 0.0910 ND ND 0.0050 ND	NT N	0.0040 0.0080 0.0070 0.0040 ND 0.0150 ND 0.0020 ND 0.0020 ND	ND 0.0010 0.0010 0.0150 0.0050 0.0050 ND 0.0230 ND 0.00220 ND 0.00220 0.0020 ND	ND ND 0.0790 0.0010 ND 0.00200 0.00200 0.0200 0.0200 0.0200 ND	NT N	ND 0.0050 0.1440 ND ND ND ND ND ND 0.0120 6.4 ND 0.0030 0.0020 6.4 ND	ND ND 0.1760 0.0050 ND 0.0050 ND 0.0050 ND 0.0050 ND 0.0050 ND 0.0050 ND	ND ND 0.1370 0.0370 0.0370 0.0350 ND	NT N	0.0060 ND 0.1750 ND ND ND ND 0.0140 ND 0.0020 ND	ND ND 0.1770 ND 0.1770 ND 0.0040 ND ND 0.0170 ND	ND ND 0.1470 ND 0.0030 ND 0.0010 0.0010 0.0015 0.0015 ND	0.0060 0.1610 ND 0.0030 ND	0.0170 ND	ND 0.0074 0.2700 ND	ND ND 0.2030 0.0010 ND ND 0.0063 ND
2 mopt." 20 mopt." 3004 mopt." 3005 mopt." 3015 mopt." 373 mopt." 373 mopt." 373 mopt." 374 mopt." 375 mopt." 375 mopt." 375 mopt." 376 mopt." 377 mopt."	0.202 ND	0.21 ND 0.0020 ND 0.011 0.0021 ND 0.011 0.0021 ND	NT N	0.155 ND 0.006 0.001 0.006 ND	0.2240 ND 0.00590 0.00590 0.00590 0.00590 0.00590 0.00590 0.00590 0.00590 0.00590 0.00590 0.00590 ND 0.00220 ND 0.00200 ND 0.00200 ND ND 0.0070 0.0480 ND	0.1990 ND ND ND 0.0020 0.0090 ND	NT N	0.2400 0.0030 0.0050 0.0050 0.00140 0.0140 0.0170 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.2490 ND 0.0066 0.0020 0.0130 ND	0.2290 ND ND ND ND 0.03600 0.0200 ND	NT N	0.1380 0.0010 ND 0.0110 0.0100 0.0160 ND ND ND ND ND ND ND ND ND ND	0.1750 0.0010 0.0070 0.0070 0.0030 0.0100 0.0010 0.00100 ND	0.1980 ND 0.0080 0.0030 0.0030 0.0100 ND ND ND ND ND 0.0170 ND ND 0.0070 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.1140 0.0010 0.0066 0.0170 0.0120 0.0170 0.0090 ND 0.0200 ND 0.0010 0.0010 0.0010 0.0680 ND ND 0.0400 ND 0.0400 ND 0.0010 0.0100 ND 0.0100 ND 0.0010 0.0010 ND 0.0010 0.0010 ND 0.0010 0.0010 0.0010 0.0010 ND 0.0010 0.00	NT N	0.2020 ND ND 0.0050 0.0170 0.0100 0.0050 ND 0.00270 0.0020 ND ND 0.0020 ND ND ND 0.00240 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0910 ND ND 0.0050 0.0050 0.0050 0.0050 ND 0.0180 0.0180 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.1570 ND 0.0050 0.0040 0.0080 0.0070 ND 0.0150 ND 0.0020 ND 0.0050 0.0070 ND ND 0.0050 0.0070 ND ND ND 0.0050 0.0070 ND ND 0.0050 0.0070 ND ND 0.0050 0.0070 ND ND 0.0050 ND ND 0.0050 ND ND 0.0050 ND ND 0.0050 ND ND 0.0050 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.1840 ND 0.0010 0.0010 0.0050 0.0050 0.0050 ND 0.00230 ND 0.00220 ND 0.00220 0.0020 ND ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0050 ND ND 0.0050 ND 0.0050 ND 0.0050 ND 0.0050 ND 0.0050 ND 0.0050 ND 0.	0.0790 0.0010 ND 0.0080 0.0120 0.0200 0.0200 0.0260 ND ND ND 0.0180 0.0310 ND ND ND ND ND ND ND ND ND ND	NT N	0.1440 ND ND ND 0.0080 0.0030 0.0020 ND 0.0120 ND ND 0.0310 0.0120 6.4 ND ND 0.0120 6.4 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.1760 ND 0.0020 0.0050 0.0050 0.0050 0.0050 ND 0.00200 ND 0.00200 ND ND 0.00200 ND ND 0.0060 0.00510 ND ND 0.0060 0.00510 ND ND 0.0050 0.0050 ND ND 0.0050 ND ND 0.0050 ND ND 0.0050 ND ND 0.0050 ND ND 0.0050 ND ND 0.0050 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.1370 ND ND ND 0.0370 0.0100 0.00350 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.1750 ND ND ND 0.0140 ND 0.0020 ND 0.01200 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.1770 ND 0.0040 ND 0.0100 ND ND ND 0.0170 0.03140 0.0040 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.1470 ND 0.0030 ND 0.0100 0.0010 0.0015 0.0150 0.0240 ND ND 0.0010 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.1610 ND 0.0030 ND 0.0160 0.0020 ND 0.0020 0.0020 0.0050 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.2100 ND ND ND 0.0090 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.2700 ND ND ⁶ ND ⁶ ND 0.0457 0.0049 ND	0.2030 0.0010 ND ⁶ 0.0065 0.0261 0.01407 ND ND ND ND ND ND 0.0063 0.0570 ND ND ND ND ND ND ND ND ND ND
0.04 mg/L ¹ 0.05 mg/L ¹ 0.1 mg/L ¹ 0.1 mg/L ¹ 1.3 mg/L ¹ 1.3 mg/L ¹ 1.3 mg/L ¹ 1.3 mg/L ¹ 1.00 mg/L ¹ 0.05 mg/L ¹ 0.00 mg/L ¹	ND	ND 0.0020 ND 0.0111 0.007 ND	NT	ND 0.006 ND 0.001 ND	ND 0.0050 0.0060 0.0140 0.0060 ND 0.0020 ND 0.0020 ND 0.0030 ND	ND ND 0.0020 0.0090 ND	NT N	0.0030 0.0050 0.0010 0.0140 0.0100 0.0170 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.00620 0.0020 0.0130 ND	ND ND 0.0360 0.0200 ND	NT N	0.0010 ND 0.01100 0.01100 0.0100 ND 0.0160 ND ND 0.0350 0.0350 0.0170 0.0280 ND	0.0010 0.0070 0.0030 0.0100 0.0100 0.0010 0.0070 ND	ND 0.0080 0.0030 0.0100 ND	0.0010 0.0060 0.0170 0.0170 0.0120 0.0170 0.0090 ND 0.0200 ND 0.0040 0.0010 0.00140 0.00140 0.0140 0.0680 ND	NT N	ND ND 0.0050 0.00170 0.0050 ND	ND ND 0.0050 0.0120 0.0090 ND	NT N	ND 0.0050 0.0040 0.0080 0.0070 0.0040 ND 0.0150 ND 0.0020 ND ND 0.0050 0.0070 ND ND 0.0050 0.0070 ND	ND 0.0010 0.0010 0.0150 0.0050 0.0050 ND 0.0230 ND 0.00220 ND 0.00220 0.0020 ND	0.0010 ND 0.0080 0.0120 0.0200 0.0070 ND 0.0200 0.0260 ND	NT N	ND ND ND 0.0080 0.0020 ND 0.0120 ND	ND 0.0020 0.0050 0.0160 0.0080 0.0050 ND 0.0020 ND 0.0020 ND ND 0.0020 ND ND 0.0060 0.0310 ND	ND ND ND 0.0370 ND	NT N	ND ND ND 0.0140 ND 0.0020 ND	ND 0.0040 ND 0.0100 ND	ND 0.0030 ND 0.0100 0.0010 0.0010 ND 0.0010 ND 0.0010 ND ND 0.0070 ND	ND 0.0030 ND 0.0160 0.0090 0.0020 ND 0.0180 0.0050 ND	ND ND 0.0090 ND	ND ND ⁶ ND 0.0457 0.0049 ND	0.0010 ND ⁶ 0.0065 0.0065 0.0261 0.0140 0.0039 ND ND ND ND ND ND ND ND ND ND ND ND ND
005 mol.¹ .7.3 mol.¹ .7.3 mol.² .7.3 mol.² .1.3 mol.¹ .1.3 mol.¹ .1.5 mol.¹ .1.5 mol.¹ .0.1 mol.² .0.1 mol.² .0.1 mol.² .0.2 mol.¹ .0.1 mol.² .0.2 mol.¹ .0.1 mol.² .0.2 mol.² .0.2 mol.² .0.3 mol.² .0.3 mol.² .0.3 mol.² .0.3 mol.² .0.4 mol.² .0.5 mol.² .0.5 mol.² .0.6 mol.² .0.6 mol.² .0.6 mol.² .0.7 mol.² .0.8 mol.² .0.9 mol.²	ND 0.0007 ND 0.0017 ND 0.0017 ND 0.0017 ND 0.0011 ND 0.0002 ND 0.0017 ND	0.0020 ND 0.0911 0.007 ND 0.019 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.006 0.001 0.006 ND	0.0050 0.0060 0.0140 0.0090 0.0060 ND	ND 0.0020 0.0030 ND N	NT N	0.0050 0.0010 0.0140 0.01100 0.0170 ND ND ND ND ND ND ND ND ND ND	0.0060 0.0020 0.0130 ND	ND ND 0.0360 ND	NT N	ND 0.0110 0.0100 0.0010 0.0160 ND 0.0160 ND ND 0.0350 0.0170 0.0280 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0070 0.0030 0.0100 0.0010 0.0070 ND 0.0160 ND	0.0080 0.0030 0.0100 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0060 0.0170 0.0120 0.0170 0.0090 ND 0.0200 ND 0.0040 0.0010 0.00140 0.00140 0.00140 0.0018 ND ND ND ND ND ND ND ND ND ND	NT N	ND 0.0050 0.0170 0.0100 0.0050 ND 0.0270 0.0350 0.0020 ND ND 0.0020 ND	ND 0.0050 0.0150 0.0190 0.0050 ND 0.0180 0.0140 ND	NT N	0.0050 0.0040 0.0080 0.0070 0.0070 0.0040 ND 0.0150 ND 0.0020 ND ND 0.0050 0.0070 ND ND 0.0050 0.0070 ND ND 0.0050	0.0010 0.0010 0.0010 0.0050 0.0050 0.00040 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0020 ND 0.0050 ND	ND 0.0080 0.0120 0.0200 0.0070 ND 0.0200 0.0260 ND ND 0.0180 0.0080 0.0080 0.0080 0.0080 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	ND ND 0.0080 0.0030 0.0020 ND 0.0120 ND ND ND 0.0310 0.0030 0.0120 6.4 ND ND 2.9 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0020 0.0050 0.0160 0.0080 0.0050 ND 0.00200 ND 0.0020 ND 0.0020 ND ND 0.0020 ND ND 0.0020 ND ND 0.0020 ND ND 0.00310 ND ND 0.0050 ND ND 0.0050 ND ND 0.0050 ND ND 0.0050 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND 0.0370 0.0100 0.0030 ND 0.0350 ND	NT N	ND ND ND 0.0140 ND	0.0040 ND 0.0100 ND ND ND 0.0170 0.0310 0.0040 ND ND ND ND 0.0070 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0030 ND 0.0100 0.0010 0.0090 ND 0.0150 0.0240 ND 0.0010 ND ND 0.0070 ND ND ND 0.0070 ND ND ND 0.0070 ND ND ND 0.0090 ND ND 0.0090 ND ND 0.0090 ND 0.0090 ND 0.0090 ND 0.0090 ND 0.0090 ND 0.0090 ND 0.0090 ND 0.0090 ND 0.0090 ND ND 0.0090 ND ND ND 0.0090 ND ND ND 0.0090 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0030 ND 0.0160 0.0090 0.0090 0.0020 ND 0.0180 0.0300 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND 0.0090 ND	ND ⁶ ND 0.0457 0.0049 ND ND 0.0460 ND	ND ⁶ 0.0065 0.0261 0.0140 0.0039 ND 0.0407 ND
0.1 mgl.¹ .73 mgl.² .13 mgl.² .13 mgl.² .13 mgl.² .13 mgl.² .10 mg	0.0007 0.0050 0.0050 0.001 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.011 ND	NT N	0.001 0.006 ND	0.0060 0.0140 0.0090 0.0090 ND 0.0020 ND	0.0020 0.0090 ND ND ND ND ND O.0320 ND O.0030 ND	NT N	0.0010 0.0140 0.0100 0.0100 0.0220 ND ND ND ND ND ND ND ND ND ND	0.0020 0.0130 ND ND ND ND ND ND ND ND ND ND	ND 0.0360 0.0200 ND	NT N	0.0110 0.0100 0.0010 0.0160 ND 0.0160 ND ND ND ND ND ND ND ND ND ND	0.0030 0.0100 0.0010 0.0010 0.0070 ND ND ND ND ND ND ND ND ND ND	0.0030 0.0100 ND ND ND 0.0170 ND ND 0.0070 ND 0.0070 ND ND 0.0140 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0170 0.0120 0.0170 0.0090 ND 0.0200 ND 0.0040 0.0010 0.0010 0.0140 0.0680 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.0050 0.0170 0.0100 0.0050 ND 0.0270 0.0350 0.0020 ND 0.0090 0.0240 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0050 0.0120 0.0090 0.0090 ND 0.0180 0.0140 ND ND ND 0.0050 0.0190 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.0040 0.0080 0.0070 0.0040 ND 0.0150 ND 0.0020 ND ND 0.0050 0.0070 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0010 0.0150 0.0050 0.0050 ND 0.0230 ND 0.0020 ND 0.0020 0.0020 0.0100 ND ND 0.0220 0.0100 ND ND 0.0020 0.0100 ND ND 0.0020 0.0100 ND ND 0.0020 0.0050	0.0080 0.0120 0.0200 0.0070 ND 0.0200 0.0260 ND ND 0.0180 0.0080 0.0310 ND ND ND ND ND ND ND ND ND ND	NT N	ND 0.0080 0.0030 0.0020 ND 0.0120 ND ND 0.0310 0.0030 0.0120 6.4 ND	0.0050 0.0160 0.0080 0.0050 ND 0.0200 ND 0.0020 ND 0.0060 0.0310 ND ND 0.0060 0.03110 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0370 0.0100 0.00350 ND 0.0350 ND	NT N	ND 0.0140 ND 0.0020 ND	ND 0.0100 ND ND ND 0.0170 ND	ND 0.0100 0.0010 0.0090 ND 0.0150 0.0240 ND 0.0010 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0160 0.0090 0.0020 ND 0.0180 0.0300 0.0050 ND	ND 0.0090 ND ND ND 0.0180 ND	ND 0.0457 0.0049 ND ND 0.0460 ND	0.0065 0.0261 0.0140 0.0039 ND 0.0407 ND ND ND ND ND ND ND ND ND ND ND ND ND
1.3 mgL ¹ 1.15 mgL ¹ 1.02 mgL ¹ 1.02 mgL ¹ 1.02 mgL ¹ 1.02 mgL ¹ 1.03 mgL ² 1.05 mgL ¹ 1.05 mgL ¹ 1.07 mgL ² 1.08 mgL ² 1.09 mg	ND 0.0012 ND 0.0014 ND 0.0002 ND 0.0002 ND 0.0002 ND 0.0007 ND 0.0007 ND 0.0007 ND	0.007 ND ND 0.019 ND	NT N	ND ND ND 0.012 ND	0.0090 0.0060 ND ND 0.0220 ND ND 0.0003 ND 0.00480 ND ND ND ND ND ND ND ND ND ND	ND ND ND 0.0030 ND ND 0.0030 ND	NT NT NT NT NT NT NT NT NT NT NT NT NT N	0.0100 0.0170 ND 0.0220 ND ND ND ND 0.0070 0.0600 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND 0.0470 ND	0.0200 ND ND ND 0.0400 ND	NT N	0.0010 0.0160 ND 0.0160 ND ND ND ND ND 0.0350 0.0170 0.0280 ND	0.0010 0.0070 ND 0.0160 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND 0.0170 ND ND ND 0.0070 ND 0.0140 ND ND ND ND ND ND ND 15.4 2.0	0.0170 0.0090 ND 0.0200 ND 0.0040 0.0010 0.0014 0.0014 0.0680 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.0100 0.0050 ND 0.0270 0.0350 ND ND 0.0080 0.00240 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0090 0.0050 ND 0.0140 ND ND ND 0.0050 0.0190 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT NT NT NT NT NT N	0.0070 0.0040 ND 0.0150 ND 0.0020 ND ND 0.0050 0.0070 ND ND 0.0050 ND ND ND 0.0050 0.0070 ND ND ND 0.0050 0.0050 ND ND ND 0.0050 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0050 0.0040 ND 0.0230 ND 0.0020 ND 0.0020 0.0020 0.0100 ND ND ND ND ND ND ND 0.0220 0.0100 ND ND 0.0220 0.0100 ND ND 0.0220 0.0100 ND ND 0.0220 0.0100 ND 0.0220 0.0100 ND ND 0.0220 0.0100 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0200 0.0070 ND 0.0200 0.0260 ND ND ND 0.0180 0.0310 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.0030 0.0020 ND 0.0120 ND ND ND 0.0310 0.0310 0.0120 6.4 ND 2.9 ND ND 0.0120	0.0080 0.0050 ND 0.00200 ND 0.0020 ND 0.0060 0.0310 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0100 0.0030 ND 0.0350 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	ND 0.0020 ND 0.0190 ND ND ND ND 1.8 ND	ND ND ND 0.0170 0.0310 0.0040 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0010 0.0090 ND 0.0150 0.0240 ND 0.0010 ND ND ND 0.0070 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0090 0.0020 ND 0.0180 0.0300 ND ND ND ND ND ND ND ND ND ND	ND N	0.0049 ND ND 0.0460 ND ND ND ND ND ND ND ND ND ND	0.0140 0.0039 ND 0.0407 ND ND ND ND ND ND ND ND ND ND ND ND ND
215 mgL ¹ 202 mgL ¹ 202 mgL ² 203 mgL ² 205 mgL ² 205 mgL ² 205 mgL ² 205 mgL ² 207 mgL ² 202 mgL ² 202 mgL ² 21 mgL ² 22 mgL ² 25 mgL ² 26 mgL ² 26 mgL ² 27 mgL ² 28 mgL ² 29 mgL ² 29 mgL ² 200 mgL ² 25 mgL ² 25 mgL ² 26 mgL ² 27 mgL ² 27 mgL ² 27 mgL ² 28 mgL ² 29 mgL ²	0.001 ND ND 0.0002 ND	ND N	NT N	ND N	0.0060 ND 0.0220 ND ND 0.0003 ND 0.0070 0.0480 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND 0.0320 ND 0.0030 ND	NT NT NT NT NT NT NT NT NT NT NT NT NT N	0.0170 ND 0.0220 ND	ND ND 0.0470 ND	ND N	NT N	0.0160 ND 0.0160 ND ND ND ND 0.0350 0.0170 0.0280 ND ND ND ND ND ND ND ND ND ND	0.0070 ND 0.0160 ND	ND ND ND 0.0170 ND ND 0.0070 ND 0.0140 ND ND ND ND ND ND ND 15.4 2.0	0.0090 ND 0.0200 ND 0.0040 0.0010 0.0010 0.0140 0.0180 ND ND ND ND ND ND ND ND ND ND	NT N	0.0050 ND 0.0270 0.0350 0.0020 ND ND 0.0080 0.0240 ND ND 3.5 ND ND ND ND ND	0.0050 ND 0.0180 0.0180 ND ND ND 0.0050 0.0150 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.0040 ND 0.0150 ND 0.0020 ND ND 0.0050 0.0070 ND ND ND ND ND ND ND ND ND ND ND 0.0050 0.0070 ND ND ND ND 0.0050 0.0070 ND ND 0.0050 0.	0.0040 ND 0.0230 ND 0.0020 ND 0.00220 0.00220 0.0100 ND ND ND ND ND ND ND ND ND ND	0.0070 ND 0.0200 0.0260 ND ND 0.0180 0.0080 0.0310 ND ND ND ND ND ND ND ND ND ND ND 0.0180 0.0080 0.0310 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.0020 ND 0.0120 ND ND ND 0.0310 0.0030 0.0120 6.4 ND 2.9 ND ND ND ND ND ND ND ND ND ND	0.0050 ND 0.0200 ND 0.0020 ND ND 0.0060 0.0310 ND ND 4.3 ND ND ND	0.0030 ND 0.0350 ND ND ND ND ND ND ND 0.0210 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.0020 ND 0.0190 0.0200 ND ND ND ND ND ND 1.8 ND 1.8 ND ND ND	ND ND 0.0170 0.0310 0.0040 ND	0.0090 ND 0.0150 0.0240 ND 0.0010 ND ND 0.0070 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0020 ND 0.0180 0.0300 0.0050 ND ND ND ND ND ND ND ND ND ND	ND N	ND ND 0.0460 ND	0.0039 ND 0.0407 ND ND ND ND 0.0063 0.0570 ND ND ND ND ND ND ND ND ND ND ND ND ND
002 mgl.1 002 mgl.1 011 mgl.2 005 mgl.1 005 mgl.1 007 mgl.2 008 mgl.1 007 mgl.2 008 mgl.1 008 mgl.2 009 mgl.1 008 mgl.2 009 mgl.3 009 mg	ND 0.011 ND 0.0007 0.004 ND	ND 0.019 ND	NT N	ND 0,012 ND	ND 0.0220 ND	ND 0.0320 ND ND 0.0003 ND 0.0003 ND	NT N	ND 0.0220 ND ND ND 0.0070 0.0600 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0470 ND	ND 0.0400 ND	NT N	ND 0.0160 ND ND 0.0350 0.0170 0.0280 ND ND 2.7 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0160 ND	ND 0.0170 ND ND ND 0.0070 ND 0.0140 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0200 ND 0.0040 0.0010 0.00140 0.0680 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	ND 0.0270 0.0350 0.0020 ND ND 0.0080 0.0240 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0180 0.0140 ND ND ND 0.0050 0.0190 ND ND ND ND ND ND	NT N	ND 0.0150 ND 0.0020 ND ND 0.0050 0.0070 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0230 ND 0.0020 ND 0.0020 ND 0.0020 ND	ND 0.0200 0.0260 ND ND 0.0180 0.0080 0.0310 ND ND ND ND ND ND	NT N	ND 0.0120 ND ND 0.0310 0.0030 0.0120 6.4 ND 2.9 ND ND ND	ND 0.0200 ND 0.0020 ND ND 0.0060 0.0310 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0350 ND ND ND ND 0.0210 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	ND 0.0190 0.0200 ND ND ND ND ND 1.8 ND	ND 0.0170 0.0310 0.0040 ND ND ND 0.0070 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0150 0.0240 ND 0.0010 ND ND 0.0070 ND ND ND 3.6 ND ND ND	ND 0.0180 0.0300 0.0050 ND ND ND 0.0270 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0180 ND	ND 0.0460 ND ND ND ND ND 0.0453 ND ND 3.7 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0407 ND ND ND ND 0.0063 0.0570 ND ND 1.7 ND ND ND ND ND ND ND ND ND ND ND ND ND
0.1 mg/L² .0.5 mg/L² .0.1 mg/L² .0.1 mg/L² .0.2 mg/L² .0.2 mg/L² .0.2 mg/L² .0.2 mg/L² .0.2 mg/L² .0.3 mg/L² .0.3 mg/L² .0.4 mg/L² .0.5 mg/L² .0.5 mg/L² .0.6 mg/L² .0.6 mg/L² .0.6 mg/L² .0.6 mg/L² .0.6 mg/L² .0.6 mg/L² .0.7 mg/L² .0.8 mg/L² .0.9 mg/L² .	0.011 ND 0.0002 ND	0.019 ND ND ND ND ND 0.004 ND	NT N	0.012 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0220 ND ND 0.0003 ND 0.0070 0.0480 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0320 ND ND 0.0003 ND 0.0030 ND	NT N	0.0220 ND ND ND ND 0.0070 0.0070 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0470 ND ND ND ND ND ND 0.0230 6.9 ND 4.1 ND	0.0400 ND	NT N	0.0160 ND ND 0.0350 0.0170 0.0280 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0160 ND	0.0170 ND ND ND 0.0070 ND 0.0140 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0200 ND 0.0040 0.0010 0.00140 0.0680 ND ND ND ND ND ND ND ND ND ND	NT N	0.0270 0.0350 0.0020 ND ND 0.0080 0.0240 ND ND ND ND ND ND ND	0.0180 0.0140 ND ND ND 0.0050 0.0190 ND ND ND ND ND ND ND	NT N	0.0150 ND 0.0020 ND ND 0.0050 0.0070 ND ND ND ND ND ND ND	0.0230 ND 0.0020 ND 0.0220 0.0020 0.0100 ND ND ND ND ND ND ND ND	0.0200 0.0260 ND ND 0.0180 0.0080 0.0310 ND ND ND ND ND ND ND ND	NT N	0.0120 ND ND ND 0.0310 0.0030 0.0120 6.4 ND 2.9 ND ND ND ND ND ND ND ND ND ND	0.0200 ND 0.0020 ND ND 0.0060 0.0310 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0350 ND ND ND ND ND 0.0210 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.0190 0.0200 ND ND ND ND 0.0160 ND ND 1.8 ND ND ND ND	0.0170 0.0310 0.0040 ND ND ND 0.0070 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0150 0.0240 ND 0.0010 ND ND 0.0070 ND ND 3.6 ND ND ND ND	0.0180 0.0300 0.0050 ND ND ND 0.0270 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0180 ND ND ND ND 0.0290 ND	0.0460 ND ND ND ND ND ND 0.0453 ND ND 3.7 ND ND ND ND	0.0407 ND ND ND ND 0.0063 0.0570 ND ND 1.7 ND ND ND ND ND
.06 mgl.¹ .01 mgl.² .02 mgl.¹ .02 mgl.¹ .02 mgl.² .02 mgl.² .02 mgl.² .03 mgl.² .04 mgl.² .04 mgl.² .05 mgl.² .03 mgl.² .03 mgl.² .03 mgl.² .03 mgl.² .03 mgl.² .00 mgl.²	ND 0.0002 ND	ND N	NT N	ND N	ND ND 0.0003 ND	ND ND 0.0030 0.0160 ND	NT N	ND ND ND 0.0070 0.0600 ND	ND N	ND N	NT N	ND ND ND 0.0350 0.0170 0.0280 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND N	ND ND ND 0.0070 ND 0.0140 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0040 0.0010 0.0010 0.0140 0.0680 ND ND 2.0 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.0350 0.0020 ND ND 0.0080 0.0240 ND ND 3.5 ND ND ND ND	0.0140 ND ND ND 0.0050 0.0190 ND ND ND ND ND ND	NT N	ND 0.0020 ND ND 0.0050 0.0070 ND ND ND 3.3 ND ND ND	ND 0.0020 ND 0.0220 0.0020 0.0100 ND ND ND ND ND ND ND ND ND	0.0260 ND ND 0.0180 0.0080 0.0310 ND ND ND ND ND ND ND ND ND ND	NT N	ND ND ND 0.0310 0.0030 0.0120 6.4 ND 2.9 ND ND ND ND	ND 0.0020 ND ND 0.0060 0.0310 ND ND ND ND ND ND ND ND	ND ND ND ND ND ND 1.9 ND ND ND ND ND ND	NT N	0.0200 ND ND ND ND ND 0.0160 ND ND ND ND ND ND ND ND ND ND ND	0.0310 0.0040 ND ND ND 0.0070 ND ND 3.5 ND ND ND	0.0240 ND 0.0010 ND ND 0.0070 ND ND 3.6 ND ND ND ND	0.0300 0.0050 ND ND ND 0.0270 ND ND ND 4.1 ND ND ND	ND N	ND ND ND ND ND ND 0.0453 ND ND 3.7 ND ND ND ND ND	ND ND ND ND 0.0063 0.0570 ND ND 1.7 ND ND ND ND ND ND ND ND ND ND ND ND ND
0.1 mglt ²³ 10.2 mglt ² 22 mglt ³ 22 mglt ³ 22 mglt ³ 22 mglt ³ 210 mglt ³ 310 mglt ³ 5 mglt ³ 5 mglt ³ 80 mglt ³ 100 mglt ³ 105 mglt ³ 106 mglt ³ 107 mglt ³ 108 mglt ³ 109 mglt ³ 100 mglt ³ 1	ND ND 0.0004 ND	ND ND ND 0.004 ND	NT N	ND ND ND 0.031 ND	0.0003 ND 0.0070 0.0480 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0003 0.0000 0.0000 0.0160 ND	NT NT NT NT NT NT NT NT NT NT NT NT NT	ND ND 0.0070 0.0600 ND	ND ND ND 0.0230 6.9 ND 4.1 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND O.0300 ND	NT NT NT NT NT NT NT NT NT NT	ND 0.0350 0.0170 0.0280 ND ND 2.7 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND N	ND 0.0070 ND 0.0140 ND ND 3.9 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0010 0.0010 0.0140 0.0680 ND ND 2.0 ND ND ND ND ND ND	NT NT NT NT NT NT NT NT NT	ND ND 0.0080 0.0240 ND ND 3.5 ND ND ND ND	ND ND 0.0050 0.0190 ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT NT	ND ND 0.0050 0.0070 ND ND 3.3 ND ND ND	ND 0.0220 0.0020 0.0100 ND ND 3.6 ND ND ND ND	ND 0.0180 0.0080 0.0310 ND ND ND ND ND ND	NT NT NT NT NT NT NT NT NT	ND 0.0310 0.0030 0.0120 6.4 ND 2.9 ND ND ND ND	ND ND 0.0060 0.0310 ND ND 4.3 ND ND ND ND	ND ND ND 0.0210 ND ND 1.9 ND ND ND ND	NT NT NT NT NT NT NT NT NT	ND ND ND 0.0160 ND ND 1.8 ND ND ND ND ND	ND ND 0.0070 ND ND 3.5 ND ND ND	0.0010 ND ND 0.0070 ND ND 3.6 ND ND ND ND	ND ND ND 0.0270 ND ND 4.1 ND ND ND ND	ND ND 0.0290 ND ND ND ND 2.1 ND ND ND ND ND	ND ND ⁶ ND 0.0453 ND ND 3.7 ND ND ND ND	ND ND 0.0063 0.0570 ND ND 1.7 ND ND ND ND ND ND ND
22 mgl. ⁵ 22 mgl. ⁵ 22 mgl. ⁵ 22 mgl. ² 23 mgl. ² 23 mgl. ² 310 ugl. ⁵ 35 ugl. ⁵ 5 ugl. ⁵ 5 ugl. ⁵ 50 ugl. ⁵ 75 ugl. ⁵ 102 ugl. ⁵ 5 ugl. 5 ugl. 5 ugl. 5 ugl. 5 ugl. 5 ugl.	ND 0.0007 0.004 ND 0.004 ND	ND 0.004 0.014 ND	NT N	ND ND 0,031 ND	ND 0.0070 0.0480 ND	ND 0.0030 0.0160 ND	NT NT NT NT NT NT NT NT NT NT NT	ND 0.0070 0.0600 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND 0.0230 6.9 ND 4.1 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND 0.03000 ND	NT NT NT NT NT NT NT NT NT NT	0.0350 0.0170 0.0280 ND ND 2.7 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND N	0.0070 ND 0.0140 ND ND 3.9 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0010 0.0140 0.0680 ND ND 2.0 ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT NT	ND 0.0080 0.0240 ND ND 3.5 ND ND ND ND ND	ND 0.0050 0.0190 ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT	ND 0.0050 0.0070 ND ND 3.3 ND ND ND	0.0220 0.0020 0.0100 ND ND ND 3.6 ND ND ND ND	0.0180 0.0080 0.0310 ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT	0.0310 0.0030 0.0120 6.4 ND 2.9 ND ND ND ND	ND 0.0060 0.0310 ND ND 4.3 ND ND ND ND ND	ND ND 0.0210 ND ND 1.9 ND ND ND ND	NT NT NT NT NT NT NT NT NT	ND ND 0.0160 ND ND 1.8 ND ND ND ND	ND ND 0.0070 ND ND 3.5 ND ND ND ND	ND ND 0.0070 ND ND 3.6 ND ND ND ND	ND ND 0.0270 ND ND 4.1 ND ND ND ND	ND 0.0290 ND ND ND 2.1 ND ND ND ND ND	ND ⁶ ND 0.0453 ND ND 3.7 ND ND ND ND	ND 0.0063 0.0570 ND ND 1.7 ND ND ND ND ND ND
226 mgl. ⁵ 2 mgl. ² 2 mgl. ² 339 mgl. ⁵ 5 mgl. ³ 339 mgl. ⁵ 5 mgl. ³ 90 mgl. ³ 90 mgl. ³ 100 mgl. ⁵ 100	0.0007 0.004 ND ND 2.1 ND	0.004 0.014 ND ND 2.28 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	ND 0.031 ND ND 2.77 ND	0.0070 0.0480 ND	0.0030 0.0160 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.0070 0.0600 ND ND 3.2 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0230 6.9 ND 4.1 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 0.0300 ND	NT NT NT NT NT NT NT NT NT NT	0.0170 0.0280 ND ND 2.7 ND ND ND ND ND ND ND ND ND ND	ND 0.0170 ND ND 3.1 ND ND ND ND ND ND ND ND ND ND	ND 0.0140 ND ND 3.9 ND ND ND ND ND ND ND ND 2.0	0.0140 0.0680 ND ND 2.0 ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT NT	0.0080 0.0240 ND ND 3.5 ND ND ND ND	0.0050 0.0190 ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT	0.0050 0.0070 ND ND 3.3 ND ND ND	0.0020 0.0100 ND ND 3.6 ND ND ND ND	0.0080 0.0310 ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT	0.0030 0.0120 6.4 ND 2.9 ND ND ND ND	0.0060 0.0310 ND ND 4.3 ND ND ND ND ND	ND 0.0210 ND ND 1.9 ND ND ND ND	NT NT NT NT NT NT NT NT	ND 0.0160 ND ND 1.8 ND ND ND ND	ND 0.0070 ND ND 3.5 ND ND ND ND	ND 0.0070 ND ND 3.6 ND ND ND ND	ND 0.0270 ND ND 4.1 ND ND ND ND ND	0.0290 ND ND ND 2.1 ND ND ND ND ND	ND 0.0453 ND ND 3.7 ND ND ND ND	0.0063 0.0570 ND ND 1.7 ND ND ND ND ND ND
2 mg/L ² 3 mg/L ² 5 mg/L 5 mg/L 90 mg/L 90 mg/L 90 mg/L 90 mg/L 46 mg/L 46 mg/L 47 90 mg/L 45 mg/L 50 mg/L 90 mg/L 50 mg/L 50 mg/L 50 mg/L 75 mg/L 50 mg/L 75 mg/L 50 mg/L 76 mg/L 77 mg/L	0.004 ND ND ND 2.1 ND	0.014 ND ND 2.28 ND ND ND ND 11.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT N	0.031 ND ND 2.77 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0480 ND ND ND ND ND ND ND ND ND ND ND ND ND	O.0160 ND	NT N	0.0600 ND ND 3.2 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0230 6.9 ND 4.1 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0300 ND	NT NT NT NT NT NT NT NT NT	0.0280 ND ND 2.7 ND ND ND ND ND ND ND ND ND ND	0.0170 ND ND 3.1 ND ND ND ND ND ND ND ND ND	0.0140 ND ND 3.9 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.0680 ND ND 2.0 ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT	0.0240 ND ND 3.5 ND ND ND ND	0.0190 ND ND ND ND ND ND ND	NT NT NT NT NT NT NT	0.0070 ND ND 3.3 ND ND ND	0.0100 ND ND 3.6 ND ND ND	O.0310 ND ND ND ND ND ND ND	NT NT NT NT NT NT NT	0.0120 6.4 ND 2.9 ND ND ND	0.0310 ND ND 4.3 ND ND ND ND	0.0210 ND ND 1.9 ND ND ND ND	NT NT NT NT NT NT NT	0.0160 ND ND 1.8 ND ND ND ND	0.0070 ND ND 3.5 ND ND ND ND	0.0070 ND ND 3.6 ND ND ND ND	0.0270 ND ND 4.1 ND ND ND ND	ND ND 2.1 ND ND ND ND ND	0.0453 ND ND 3.7 ND ND ND ND	0.0570 ND ND 1.7 ND ND ND ND ND ND
510 mat ⁵ 339 mat ¹ 5 mat ¹ 80 mat ² 90 mat ² 900 mat ² 900 mat ² 5 mat ² 100 mat ² 45 mat ² 80 mat ² 100 mat ² 15 mat ² 80 mat ² 15 mat ² 16 mat ² 17 mat ² 17 mat ² 18 mat ²	ND ND 2.1 ND	ND N	NT N	ND ND 2.77 ND	ND N	ND N	NT NT NT NT NT NT NT NT NT	ND ND 3.2 ND ND ND ND ND 13.42 2.27 ND ND ND	6.9 ND 4.1 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	NT NT NT NT NT NT NT NT NT	ND ND 2.7 ND ND ND ND ND ND 12.5 3.3 ND	ND ND 3.1 ND	ND 3.9 ND ND ND ND ND ND ND ND 15.4 2.0	ND ND 2.0 ND ND ND ND ND ND	NT NT NT NT NT NT NT NT	ND ND 3.5 ND ND ND ND	ND ND ND ND ND ND	NT NT NT NT NT NT	ND ND 3.3 ND ND ND	ND ND 3.6 ND ND ND	ND ND ND ND ND ND	NT NT NT NT NT NT	6.4 ND 2.9 ND ND ND ND	ND ND 4.3 ND ND ND ND	ND ND 1.9 ND ND ND ND	NT NT NT NT NT NT NT	ND ND 1.8 ND ND ND ND	ND ND 3.5 ND ND ND	ND ND 3.6 ND ND ND ND	ND ND 4.1 ND ND ND	ND 2.1 ND ND ND ND ND	ND ND 3.7 ND ND ND	ND ND 1.7 ND ND ND ND ND
339 wat ⁵ 5 wat ¹ 5 wat ¹ 90 wat ² 90 wat ² 90 wat ² 100 wat ² 5 wat ² 100 wat ² 5 wat ² 80 wat ² 100 wat ² 100 wat ² 100 wat ² 15 wat ² 100 wat ² 105 wat ² 105 wat ² 107 107 108 109 109 109 109 109 109 109 109 109 109	ND 2.1 ND	ND 2.28 ND	NT N	ND 2.77 ND	ND ND ND ND ND ND 10.8 ND ND ND ND ND	ND N	NT NT NT NT NT NT NT NT NT	ND 3.2 ND ND ND ND ND 13.42 2.27 ND ND ND	ND 4.1 ND ND ND ND ND 15.6 ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT	ND 2.7 ND ND ND ND ND ND 12.5 3.3 ND	ND 3.1 ND ND ND ND ND ND ND ND	ND 3.9 ND ND ND ND ND ND 15.4 2.0	ND 2.0 ND ND ND ND ND ND	NT NT NT NT NT NT NT	ND 3.5 ND ND ND ND	ND ND ND ND ND	NT NT NT NT NT	ND 3.3 ND ND ND	ND 3.6 ND ND ND ND	ND ND ND ND ND	NT NT NT NT NT	ND 2.9 ND ND ND	ND 4.3 ND ND ND ND	ND 1.9 ND ND ND	NT NT NT NT NT NT	ND 1.8 ND ND ND ND	ND 3.5 ND ND ND	ND 3.6 ND ND ND ND	ND 4.1 ND ND ND ND	ND 2.1 ND ND ND ND ND	ND 3.7 ND ND ND ND	ND 1.7 ND ND ND ND ND ND
80 uol ² 90 uol ² 90 uol ² 90 uol ² 90 uol ² 5 uol ² 5 uol ² 14.6 uol ² 80 uol ² 80 uol ² 80 uol ² 15.5 uol ² 15.5 uol ² 15.5 uol ² 15.5 uol ² 15.7 uol ² 17.7 uol ²	ND ND ND ND ND 10.8 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND 11.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT NT NT NT NT	ND ND ND ND ND 13.3 ND ND ND ND ND ND ND ND	ND ND ND ND ND 10.8 ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT	ND ND ND ND ND 13.42 2.27 ND ND	ND ND ND ND ND 15.6 ND ND ND	ND ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT	ND ND ND ND ND 12.5 3.3 ND	ND ND ND ND ND ND 13.5 ND	ND ND ND ND ND ND 15.4 2.0	ND ND ND ND ND ND	NT NT NT NT NT	ND ND ND ND	ND ND ND ND	NT NT NT	ND ND ND	ND ND ND	ND ND ND	NT NT NT NT	ND ND ND ND	ND ND ND ND	ND ND ND ND	NT NT NT NT	ND ND ND ND	ND ND ND	ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND	ND ND ND ND ND ND
90 µgL¹ 80 µgL¹ 80 µgL¹ 5 µgL¹ 100 µgL¹ 4.6 µgL¹ 80 µgL¹ 80 µgL¹ 80 µgL¹ 80 µgL¹ 75 µgL¹ 75 µgL¹ 77 µgL¹ 77 µgL¹	ND ND ND 10.8 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND 11.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT NT	ND ND ND 13.3 ND ND ND ND ND ND ND	ND ND ND 10.8 ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT	ND ND ND ND 13.42 2.27 ND ND	ND ND ND 15.6 ND ND ND ND	ND ND ND ND ND ND ND	NT NT NT NT NT NT	ND ND ND ND 12.5 3.3 ND	ND ND ND ND 13.5 ND	ND ND ND ND 15.4 2.0	ND ND ND ND	NT NT NT NT	ND ND ND ND	ND ND ND	NT NT NT	ND ND	ND ND ND	ND ND ND	NT NT NT	ND ND ND	ND ND ND	ND ND ND	NT NT NT NT	ND ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND ND	ND ND ND	ND ND ND ND 6.1
80 µgL ¹ 100 µgL ¹ 5 µgL ¹ 100 µgL ¹ 4.6 µgL ² 80 µgL ¹ 80 µgL ¹ 0.2 µgL ¹ 0.5 µgL ¹ 0.5 µgL ¹ 175 µgL ¹ 175 µgL 175 µgL 170 µgL 17	ND ND 10.8 ND	ND N	NT NT NT NT NT NT NT NT NT	ND ND 13.3 ND ND ND ND ND ND ND	ND ND 10.8 ND ND ND ND ND	ND ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT	ND ND 13.42 2.27 ND ND ND	ND ND ND 15.6 ND ND ND ND	ND ND ND ND ND ND	NT NT NT NT NT	ND ND 12.5 3.3 ND	ND ND ND 13.5 ND	ND ND ND 15.4 2.0	ND ND ND 10.7	NT NT NT	ND ND ND	ND ND	NT NT	ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT NT	ND ND ND	ND ND	ND ND	ND ND	ND ND ND	ND ND	ND ND ND 6.1
000 µgL ⁵ 5 µgL ¹ 100 µgL ¹ 100 µgL ¹ 80 µgL ¹ 80 µgL ¹ 0.2 µgL ¹ 0.5 µgL ¹ 100 µgL ¹ 100 µgL ¹ 5 µgL ¹ 5 µgL 7 µgL 7 µgL	ND ND 10.8 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND 11.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT	ND ND 13.3 ND ND ND ND ND ND ND	ND ND 10.8 ND ND ND ND ND	ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT	ND ND 13.42 2.27 ND ND ND	ND ND 15.6 ND ND ND	ND ND ND ND ND	NT NT NT NT	ND ND 12.5 3.3 ND	ND ND 13.5 ND ND	ND ND 15.4 2.0	ND ND 10.7	NT NT NT	ND ND	ND	NT		ND	ND	NT	ND	ND	ND	NT NT	ND ND	ND	ND	ND	ND ND	ND	ND ND 6.1
5 µgL ¹ 100 µgL ¹ 4.6 µgL ⁵ 80 µgL ¹ 80 µgL ¹ 0.2 µgL ¹ 0.5 µgL ¹ 75 µgL ¹ µgL 5 µgL 7 µgL 7 µgL	ND 10.8 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 11.38 ND ND ND ND ND ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT	ND 13.3 ND ND ND ND ND ND ND ND	ND 10.8 ND ND ND ND ND	ND ND ND ND ND ND ND	NT NT NT NT NT NT	ND 13.42 2.27 ND ND ND	ND 15.6 ND ND ND ND	ND ND ND ND	NT NT NT	ND 12.5 3.3 ND	ND 13.5 ND ND	ND 15.4 2.0	ND 10.7	NT NT	ND										NT	ND				ND		ND 6.1
100 µgL ¹ 4.6 µgL ² 80 µgL ¹ 80 µgL ¹ 0.2 µgL ¹ 0.5 µgL ¹ 0.5 µgL ¹ 75 µgL 50 µgL 75 µgL 7 µgL	10.8 ND ND ND ND ND ND ND ND ND ND ND ND ND	11.38 ND ND ND ND ND ND ND ND ND ND ND	NT NT NT NT NT NT NT NT	13.3 ND ND ND ND ND ND ND	10.8 ND ND ND ND ND ND	ND ND ND ND ND ND	NT NT NT NT NT	13.42 2.27 ND ND ND	15.6 ND ND ND ND	ND ND ND ND	NT NT NT	12.5 3.3 ND	13.5 ND ND	15.4 2.0	10.7	NT			NT	ND	ND	ND												6.1
80 uol' 80 µgl' 0.2 uol' 0.5 µgl' 500 µgl' 75 µgl' 5 µgl 5 µgl 7 uol'	ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND 2.38 ND	NT NT NT NT NT NT	ND ND ND ND ND ND	ND ND ND ND	ND ND ND ND	NT NT NT	ND ND ND	ND ND ND	ND ND	NT	ND	ND		1.5		16.7	5.3	NT	15.7	15.7	3.2	NT	11.3	19.1	8.0	NT	7.0	14.3	14.6	16.5	7.1	15.3	
80 µg/L ¹ 0.2 uo/L ¹ 0.5 µg/L ¹ 0.05 µg/L ¹ 75 µg/L ¹ 5 µg/L 5 µg/L 7 uo/L ¹	ND ND ND ND 2.1 ND ND ND ND	ND ND ND ND 2.38 ND ND	NT NT NT NT NT	ND ND ND ND 2.62	ND ND ND ND	ND ND ND ND	NT NT NT	ND ND	ND ND	ND				ND		NT	ND	ND	NT	ND	ND	ND	NT	ND	2.5	ND	NT	ND	1.4	2.4	ND	1.6	1.3	ND
0.2 μσL ¹ .05 μgL ¹ .05 μgL ¹ .75 μgL ¹ μgL .5 μgL .5 μgL .7 μσL ¹	ND ND ND 2.1 ND ND ND ND	ND ND ND 2.38 ND	NT NT NT NT	ND ND ND 2.62	ND ND ND	ND ND ND	NT NT	ND	ND		NT				ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
.05 μgL ¹ 500 μgL ¹ 75 μgL ¹ μgL 5 μgL 5 μgL 7 μgL	ND ND 2.1 ND ND ND ND	ND ND 2.38 ND ND	NT NT NT	ND ND 2.62	ND ND	ND ND	NT			ND	NT	ND ND	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
500 μgL ¹ 75 μgL ¹ μgL 5 μgL 5 μgL 7 μgL ¹	ND 2.1 ND ND ND ND	ND 2.38 ND ND	NT NT NT	ND 2.62	ND	ND			ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
75 μgl ¹ μgl 5 μgl 5 μgl 7 μgl ¹	2.1 ND ND ND ND	2.38 ND ND	NT NT	2.62				ND	ND ND	ND ND	NT.	ND ND	ND ND	ND ND	ND ND	NT	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT.	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
5 μg/L 5 μg/L 7 μg/L	ND ND ND	ND					NT	ND	ND	ND	NT	1.8	ND	ND	2.2	NT	3.3	ND	NT	3.4	ND	ND	NT	2.2	2.9	1.8	NT	1.4	2.7	2.2	3.2	1.8	2.7	1.9
5 μg/L 7 ug/L ¹	ND ND		NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
7 uaL1	ND	ND		ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
			NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
		ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	NT NT	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
100 μαL ¹	ND	ND	NT	ND	ND	ND ND	NT	ND	ND	ND	NT	ND ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
5 μg/L ¹	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
μgL	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
μg/L	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
roo μg/L'	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
160 ua'L ⁵ 10 ua'L ²																																		ND ND
30 µg/L																																		ND
61 µg/L ⁵			NT		ND					ND					ND				NT			ND		ND			NT		ND		ND		ND	ND
5 μg/L ¹	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
000 μg/L ²	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
μgL																																		ND
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0.3 μg/L ²	ND	ND	NT	ND	ND	ND ND	NT	ND	ND	ND	NT	ND ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
5 μg/L ¹	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
000 μg/L ¹	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
200 μg/L ¹			NT		ND		NT			ND	NT	ND		ND	ND		ND		NT			ND		ND		ND	NT						ND	ND
5 μg/L ¹																																		ND ND
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40 μg/L ²	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	ND ND	NT	ND ND	ND ND	NT	ND	ND ND	ND ND	NT	ND ND	ND ND	ND ND	NT	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND
110 μg/L ⁵	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
2 μg/L ¹	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
000 μg/L ¹	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND
		7.97	NT	6.23	9.4	ND	NT	7.08	16.5	ND	NT	6.7	7.7	12.3	6.9	NT	11.2	1.7	NT	6.6	14.8	4.3	NT	6.9	11.9	11.0	NT	7.5	8.4	6.6	12.4	7.0	16.3	12.3
n Contaminan realth advisory ry Drinking W Water Adviso ary Remedial ed above its la	nt Level (f) y as provi /ater Reg ory as pro Goal (PR aboratory	ded in the ulation (S rided in th G) for tap method o	e USEP/ EDWR) a he USEF water, a detection	A 2004 Ed is provide PA 2004 E as provide in limit, but	dition of the din the U Edition of the din the C tlower the	ne Drinking ISEPA 200 the Drinkin October 20 an its labo	g Water 04 Edition ng Wate 102 USE tratory re	Standards on of the Dr er Standard EPA Region eporting lim	and Heal rinking W is and Heal of 9 PRGs out and his	Ith Adviso ater Stan alth Advis Table 20 torical rep	ories idards an sories 102 Upda porting lii	nd Health ite mit.	Advisories																					
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No threshold value has been provided for parameters not identified in the sources listed above NT = Not Tested due to dry conditions at well.

TABLE 1 (CONT.) SUMMARY OF GROUNDWATER MONITORING RESULTS APPENDIX A - CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-15 Concentration (Expressed in same units as Threshold Value)

Parameter	Threshold Value	MAR '19	DEC '18	SEP '18	JUN '18	MAR '18	DEC '17	SEP '17	JUN '17	MAR '17	DEC '16	SEP '16	JUN '16	MAR '16	DEC '15	SEP '15	JUN '15	MAR '15	DEC '14	SEP '14	JUN '14	MAR '14	DEC '13	SEPT '13	JUN '13	MAR '13	DEC '12	SEPT '12	JUN '12	MAR '12	DEC '11	SEPT '11	JUN '11	MAR '11	DEC '10	SEPT '10
Antimony	0.006 mg/L1	ND	0.0040	0.0040	ND	ND	0.0300	ND	0.0020	0.0340	ND	ND	ND	ND	0.0060	0.0070	0.0060	0.0400	ND	ND	ND	ND														
Arsenic	0.010 mg/L1	0.0352	0.02	0.03	0.03	0.0200	0.0200	0.0300	0.0300	ND	ND	0.0700	0.0130	0.0320	0.0170	ND	ND	0.0160		0.0350	ND	ND	0.0050	0.0280	0.0130	0.0180	0.0040	0.0300	ND	ND	0.0110	ND	ND	0.0023	0.0338	0.0362
Barium	2 mg/L1	0.158	0.212	0.084	0.096	0.1280	0.1240	0.0850	0.0890	0.1230	0.1560	0.3100	0.0600	0.1130	0.1840	0.1390	0.2230	0.1260	0.1350	0.1060	0.1810	0.1180	0.1340	0.0750	0.1510	0.1550	0.1340	0.1010	0.2360	0.2350	0.1620	0.1930	ND	0.1890	0.1260	0.1110
Beryllium	0.004 mg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0060	ND	0.0010	ND	ND	ND	ND	ND	ND	ND	ND		0.0050	ND	ND	ND ⁶									
Cadmium	0.005 ma/L ¹	ND	800.0	0.007	0.010	0.0090	ND	0.0100	0.0050	0.0100	0.0050	0.0460	ND	0.0100	0.0080	0.0070	ND	ND	ND	ND	0.0100	0.0010	ND	0.0010	ND	0.0040	ND	0.0020	ND	0.0060	0.0010	0.0040	ND	ND	ND ⁶	ND ⁶
Chromium	0.1 mg/L ¹	0.0007	ND	ND	ND	ND	ND	0.0030	ND	0.0020	ND	0.1180	0.0020	0.0010	0.0050	0.0020	0.0010	ND	ND	0.0030	0.0030	0.0030	ND	ND	ND	ND	ND	0.0020	ND	0.0020	ND	ND	ND	ND		0.0018
Cobalt	0.73 ma/L ³	0.0126	800.0	0.014	0.012	0.0100	0.0090	0.0180	0.0130	0.0040	ND	0.2300	0.0080	0.0180	0.0070	0.0040	0.0020	0.0120	ND	0.0190	0.0020	ND	0.0010	0.0140	0.0100	0.0060	0.0020	0.0170	0.0030	0.0040	0.0090	0.0020	ND	0.0039	0.0185	0.0244
Copper	1.3 mg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1400	ND	ND	ND	ND ND	ND	0.0020	ND	ND	0.0080	0.0040	0.0240	0.0050	0.0060	0.0060	ND	ND	ND	0.0030	0.0040	0.0100	0.2400	ND		0.0059
Lead	0.015 mg/L ³	0.0003	0.0030 ND	0.0020	ND	0.0020	ND	ND	0.0020	ND	0.0050	0.1350 ND	0.0140	ND	ND		0.0040 ND		0.0040	0.0110	0.0040	0.0020	0.0030	0.0020	0.0050	0.0050	0.0030	0.0050	0.0020	0.0020	0.0010 ND	0.0030	ND	ND		0.0025
Mercury Nickel	0.002 mg/L ¹ 0.1 mg/L ²	ND 0.025	0.017	ND 0.029	ND 0.023	ND 0.0200	ND 0.0510	ND 0.0350	ND 0.0240	ND 0.0520	ND 0.0110	0.6610	ND 0.0140	ND 0.0290	ND 0.0170	ND 0.0100	0.0110	ND 0.0180	ND n nnan	ND 0.0330	ND 0.0120	ND 0.0070	ND 0.0110	ND 0.0230	ND 0.0190	ND 0.0150	ND	ND 0.0270	ND 0.0110	ND 0.0130	0.0160	ND 0.0090	ND 0.0140	ND 0.0086	ND 0.0374	ND 0.0396
Selenium	0.05 mg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND.	0.0100	ND.	ND	ND	ND	0.0110	ND	ND	ND	ND	0.0270	0.0110	0.0130	0.0110	0.0190	0.0400	ND	ND ⁶	ND
Silver	0.1 mg/L ^{2.3}	0.0001	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0220	0.0020	0.0150	0.0030	0.0030	0.0160	0.0020	0.0030	0.0030	ND	0.0100	ND	0.0180	ND	0.0150	ND	ND	ND ⁶	ND ⁶
Thallium	0.002 mg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	0.0020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
Tin	22 mg/L ⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0600	ND	ND	0.0470	ND	ND	ND	ND	ND	ND	0.0270	0.0780	0.0210	0.0400	ND	ND	ND	ND	ND	ND	ND	ND	ND ⁶	ND ⁶	ND ⁶
Vanadium	0.26 mg/L ⁵	0.0010	0.0150	0.0110	ND	0.0060	0.0040	0.0110	ND	ND	0.0150	0.1560	0.0050	ND	ND	0.0020	ND	0.0040	0.0050	0.0060	0.0040	0.0030	0.0090	0.0030	0.0050	0.0040	0.0040	0.0030	0.0030	0.0020	0.0020	ND	0.0160	ND	0.0012	0.0023
Zinc	2 mg/L ^{2,3}	0.0030	0.0150	0.0150	0.032	0.0210	0.0100	0.0300	0.0200	0.0140	ND	0.9700	ND	0.0120	0.0150	0.0080	ND	0.0150	0.0200	ND	0.0280	0.0090	0.0120	0.0060	0.0170	ND	0.0181	0.0147	0.0227							
Acetone	610 µg/L ⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND	6.7	ND	ND	ND	ND	ND	ND	5.6	ND	ND	ND	18.6	ND	ND	ND	ND	ND	ND	ND	6.8	ND	ND
Acrylonitrile	0.039 µg/L ⁶	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	5 μg/L ¹	1.5	1.76	ND	1.67	ND	ND	3.59	2.83	ND	ND	3.4	3.2	2.1	3.2	1.7	2.0	2.8	2.8	3.6	2.2	2.1	2.8	3.4	2.7	2.8	2.5	3.4	3.1	2.7	3.2	3.5	2.1	1.9	3.3	3.5
Bromochloromethane	80 ua/L²	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
Bromodichloromethane (THM)	90 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	80 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	1000 µg/L ⁵	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND	ND	ND	ND ND	ND
Carbon tetrachloride	5 μg/L ³	ND	15.49	ND	ND	ND	ND	ND					ND	ND	ND				26.9	ND	ND 27.0	ND	ND	ND	ND	20.0	ND	ND	ND	ND			ND 11.8	ND	ND 19.8	ND
Chloroberizene Chloroethane	100 μg/L ¹ 4.6 μg/L ⁵	13.2 ND	15.49 ND	14.0 ND	12.72 ND	17 ND	15.2 ND	18.19 ND	21.26 ND	17.4 ND	21.5 ND	16.0 ND	16.8	17.7 ND	18.3	21.0 ND	21.1 ND	19.7 ND	26.9 ND	19.0 ND	ND	25.0 ND	32.5 ND	18.9 ND	14.3 ND	ND	29.0 ND	15.5 ND	12.4 ND	16.9 ND	15.8	25.0 ND	ND	23.1 ND	19.8 ND	16.9 2.9
Chloroform	4.0 µg/L	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane (THM)	80 ug/L1	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1.2-Dibromo-3-chloropropane (DBC)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.05 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	1.0	1.3	ND	ND	ND	1.2	ND	ND	ND						
1,4-Dichlorobenzene	75 µg/L1	2.1	3.06	ND	ND	ND	ND	2.51	ND	1.6	ND	ND	2.1	ND	ND	3.4	2.9	3.0	ND	ND	3.4	ND	ND	2.1	2.3	2.6	3.2	1.9	1.9	2.3	1.5	3.1	2.1	2.9	2.4	2.4
trans-1,4-Dichloro-2-butene	μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5 μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5 μg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	7 ua/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5 μg/L¹	ND ND	ND ND	ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND ND	ND	ND	ND ND	ND
cis-1,3-Dichloropropene trans-1,3-Dichloropropene	μg/L μg/L	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND															
Ethybenzene	700 ug/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl butyl ketone(2-Hexanone)	160 ug/L ⁵	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	10 μg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	30 µg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	61 µg/L ⁶	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone(2-Butanone)	4000 μg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl iodide	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ua/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	100 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	70 ua/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.3 μg/L ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene(PCE)	5 μg/L ³	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1000 µg/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200 μg/L ³ 5 μg/L ¹	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND								
1,1,2-Trichloroethane Trichloroethylene(TCE)	5 μg/L ¹	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Trichloroflouromethane	5 μg/L 2000 μg/L ²	ND ND	ND ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND ND	ND	ND	ND	ND	ND ND	ND ND
1,2,3-Trichloropropane	2000 iidiL 40 μg/L ²	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND	ND	ND	ND ND	ND ND
Vinyl acetate	410 µg/L ⁵	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2 ug/L1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	10000 μg/L ¹	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	3.3	ND	ND	2.2	5.4	ND	ND	3.1	ND	6.1	2.0	3.9	ND	ND
Methyl tert-butyl ether (MTBE)	20 - 40 μg/L ⁴	7.5	3.69	7.0	6.61	ND	6.3	7.52	7.69	8.5	ND	7.9	7.9	6.8	7.8	6.7	12.2	7.1	4.2	6.0	9.4	5.4	7.7	8.3	10.3	6.1	3.9	8.8	9.5	9.5	5.5	7.5	7.1	7.9	6.1	7.6

No threshold value has been provided for parameters not identified in the sources listed above

TABLE 1 (CONT.) SUMMARY OF GROUNDWATER MONITORING RESULTS APPENDIX A - CONSTITUENTS FOR DETECTION MONITORING MONITORING WELL OW-16 Concentration (Expressed in same units as Threshold Value)

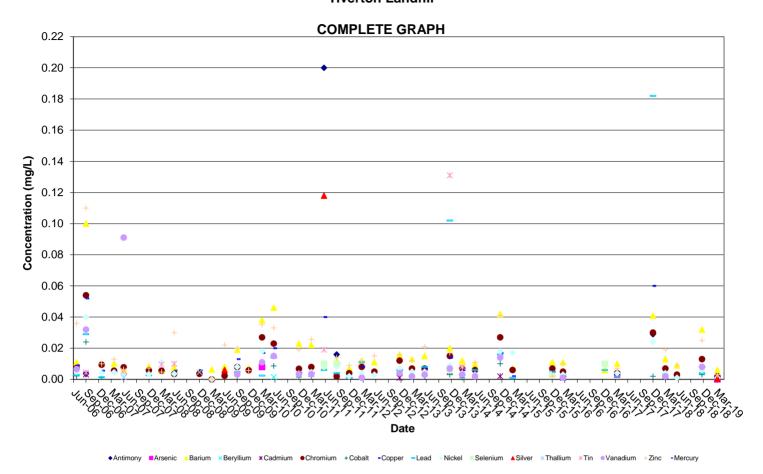
<u>Parameter</u>		shold lue	MAR '19	DEC '18	SEP '18	JUN '18	MAR '18	NOV '17
Antimony	0.006	mg/L1	ND	ND	ND	0.002	ND	ND
Arsenic	0.010		ND	ND	ND	0.01	ND	ND
Barium		mg/L1	0.014	0.017	0.027	0.011	0.0190	0.1000
Beryllium	0.004	mg/L1	0.0001	ND	ND	ND	ND	ND ND
Cadmium	0.005	ma/L1 mg/L1	0.0003 ND	0.003	0.003	0.004	0.0060	0.0050
Coromium		mg/L ⁵	0.0008	0.003	0.003	0.004	0.0060	0.0050
Copper		mg/L1	ND.	ND.	ND	ND.	ND.	ND.
Lead	0.015		ND	ND	ND	ND	ND	ND
Mercury	0.002	mg/L1	ND	ND	NT	ND	ND	ND
Nickel	0.1	mg/L ²	0.002	0.013	0.01	0.009	0.0100	0.0100
Selenium		mg/L1	ND	0.009	0.003	ND	0.0100	0.0050
Silver	0.1	mg/L ^{2,3}	0.0001	ND	ND	ND	ND	ND
Thallum Tin	0.002	ma/L ¹ mg/L ⁵	ND ND	ND ND	ND NT	ND ND	0.0003 ND	ND ND
Vanadium	0.26	mg/L ⁵	ND ND	ND	ND ND	ND	ND	ND ND
Zinc		mg/L ^{2,3}	0.004	0.025	0.019	0.022	0.024	0.0210
Acetone	610	μg/L ⁵	ND	ND	ND	ND	ND	ND
Acrylonitrile	0.039	μg/L ^s	ND	ND	ND	ND	ND	ND
Benzene	5	μg/L ¹	ND	ND	ND	ND	ND	ND
Bromochloromethane	80	ua/L²	ND	ND	ND	ND	ND	ND
Bromodichloromethane (THM)	90	μg/L1	ND	ND	ND	ND	ND	ND
Bromoform		μg/L1	ND	ND	ND	ND	ND	ND
Carbon disuffide Carbon tetrachloride	1000	μg/L ⁵ μg/L ¹	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Caroon tetracrionde Chloroberizene	100	μg/L ¹	ND ND	ND	ND	ND	ND	ND ND
Chloroethane	46	μg/L ⁵	ND ND	ND ND	ND	ND ND	ND ND	ND ND
Chloroform	80	ug/L1	ND	ND	ND	ND	ND	ND
Chlorodibromomethane (THM)	80	μg/L ¹	ND	ND	ND	ND	ND	ND
1.2-Dibromo-3-chloropropane (DBCP	0.2	ug/L1	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)		μg/L1	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600	μg/L ¹	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	75	μg/L1 μg/L	ND ND	ND	ND	ND	ND	ND ND
trans-1,4-Dichloro-2-butene 1.1-Dichloroethane		μg/L μg/L	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1.2-Dichloroethane		μg/L	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	7	μg/L ¹	ND	ND	ND	ND	ND	ND
cis-1.2-Dichloroethene	70	μg/L ³	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	μg/L¹	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	μg/L'	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene		μg/L	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene		μg/L μg/L	ND ND	ND	ND	ND	ND	ND ND
Ethylbenzene Methyl butyl ketone(2-Hexanone)		μg/L ⁶	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Bromomethane	100	μg/L ²	ND	ND	ND	ND	ND	ND
Chloromethane	30	μg/L ²	ND	ND	ND	ND	ND	ND
Dibromomethane	61	μg/L ^b	ND	ND	ND	ND	ND	ND
Methylene chloride		μg/L ¹	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone(2-Butanone)	4000		ND	ND	ND	ND	ND	ND
Methyl iodide		μg/L	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone		μg/L	ND	ND	ND	ND	ND	ND
Styrene 1.1.1.2-Tetrachloroethane		μg/L ¹ ug/L ²	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane		μg/L ²	ND	ND ND	ND	ND	ND ND	ND ND
1,1,2,2-1 etracnioroemane Tetrachioroethylene(PCE)		μg/L ¹	ND ND	ND ND	ND	ND ND	ND ND	ND ND
Tokene	1000		ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		μg/L ¹	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	μg/L1	ND	ND	ND	ND	ND	ND
Trichloroethylene(TCE)		μg/L ¹	ND	ND	ND	ND	ND	ND
Trichloroflouromethane	2000	ua/L²	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	40	μg/L ²	ND	ND	ND	ND	ND	ND
Vinyl acetate	410	μg/L ⁶	ND	ND	ND	ND	ND	ND
Vinyl chloride Xvlenes	10000	μg/L ¹	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Xylenes Methyl tert-butyl ether (MTBE)	20 - 40		ND 4.67	ND 3.77	ND 3.42	ND 6.53	7.8	ND 4.6
meeny services; editer (MTDE)	20140		eded MCI	2.11	J.42	0.03	7.0	4.0

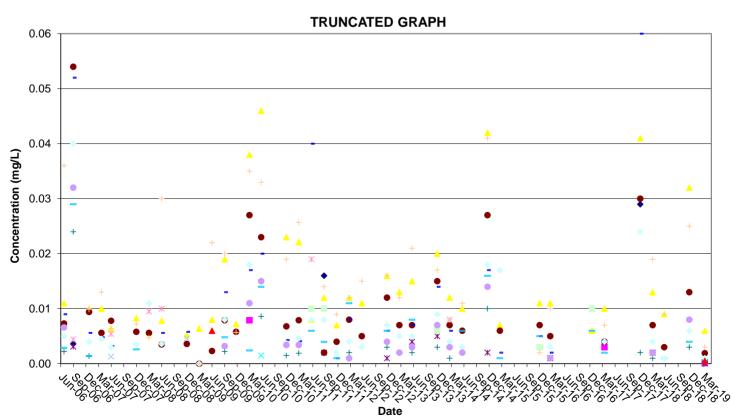
- Against Market Art Delice Committee Committee

No threshold value has been provided for parameters not identified in the sources listed above

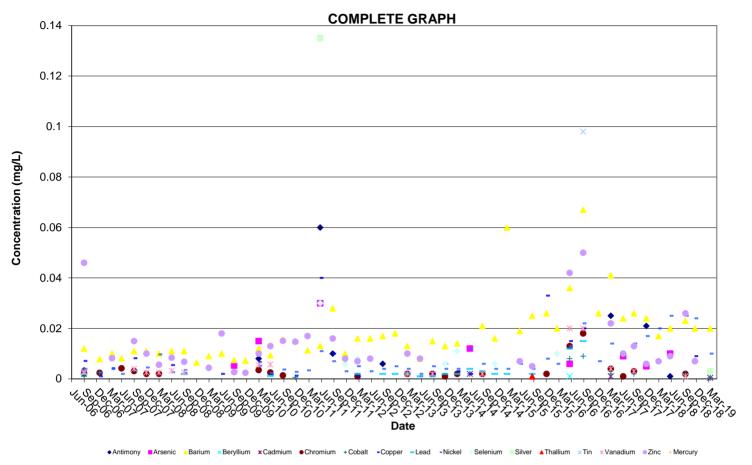
<u>ATTACHMENT NO. 3</u> HISTORICAL DETECTED METALS GRAPHS

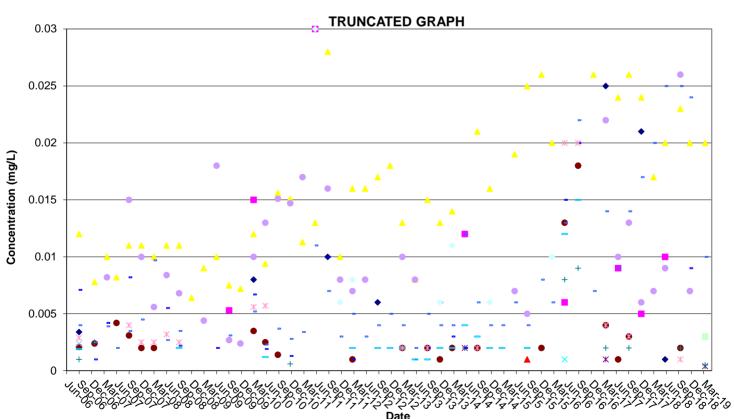
Detected Appendix A Metals in OW-9 Tiverton Landfill



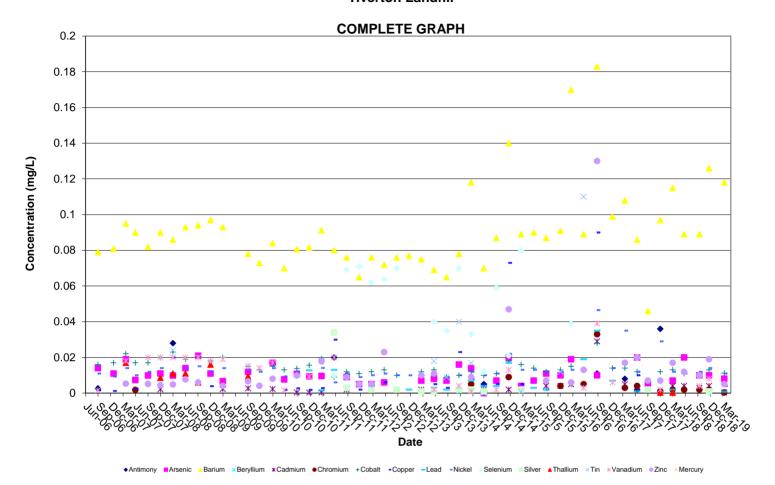


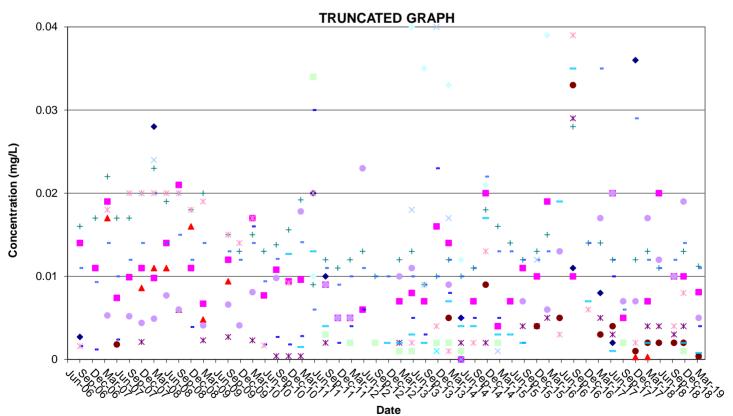
Detected Appendix A Metals in OW-12 Tiverton Landfill



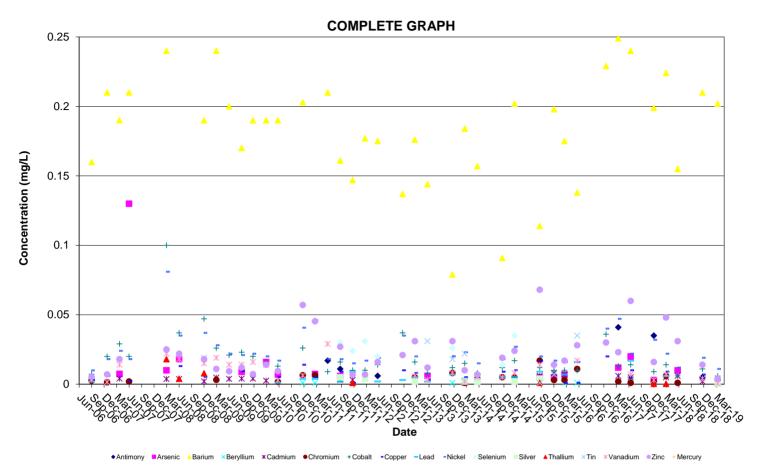


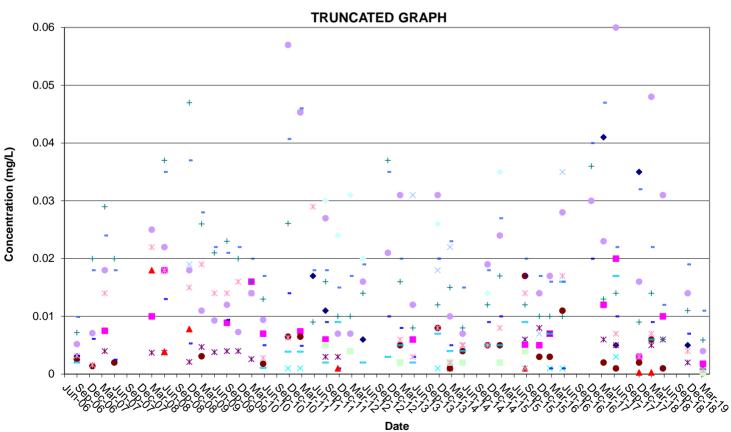
Detected Appendix A Metals in OW-13 Tiverton Landfill



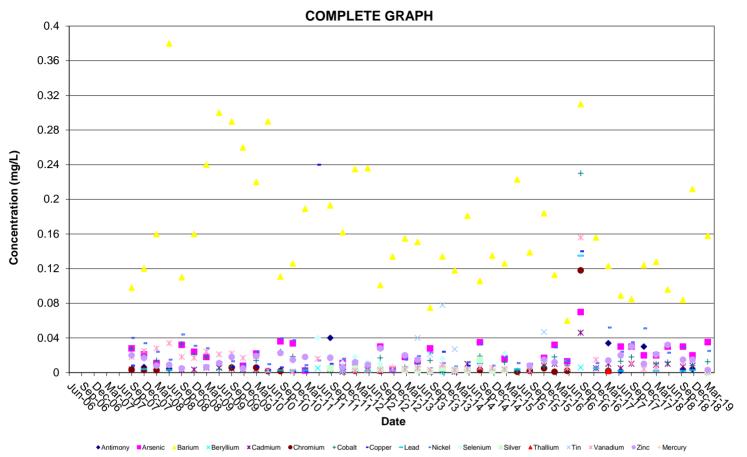


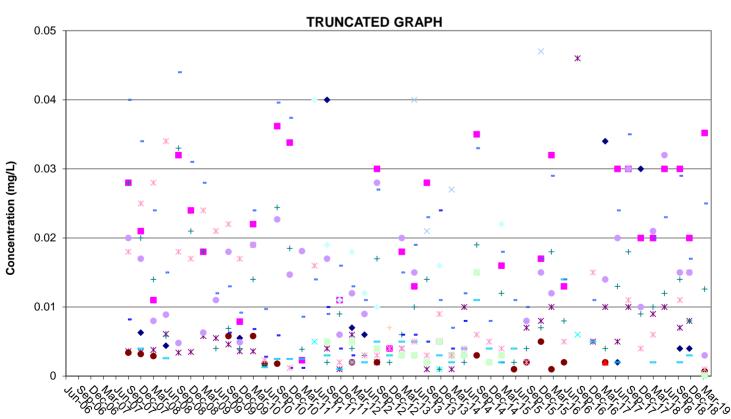
Detected Appendix A Metals in OW-14 Tiverton Landfill





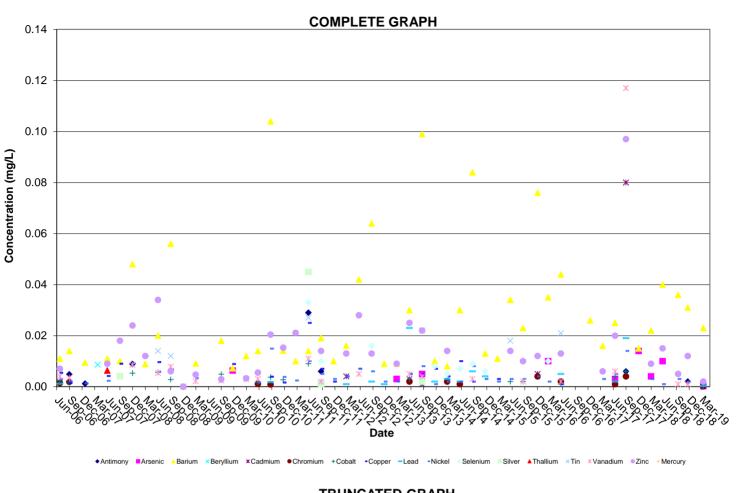
Detected Appendix A Metals in OW-15 Tiverton Landfill

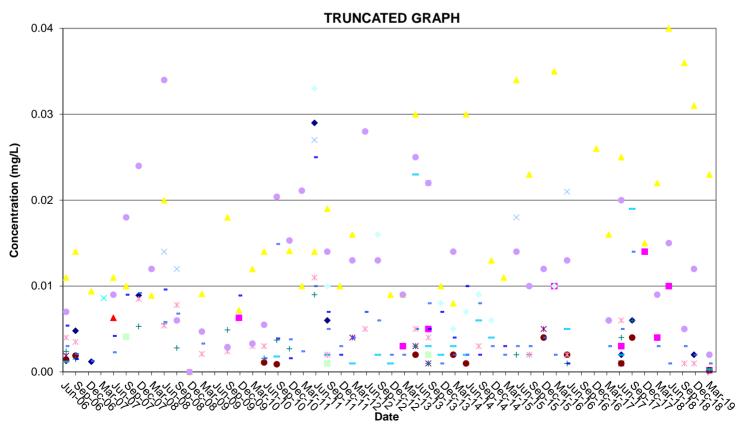




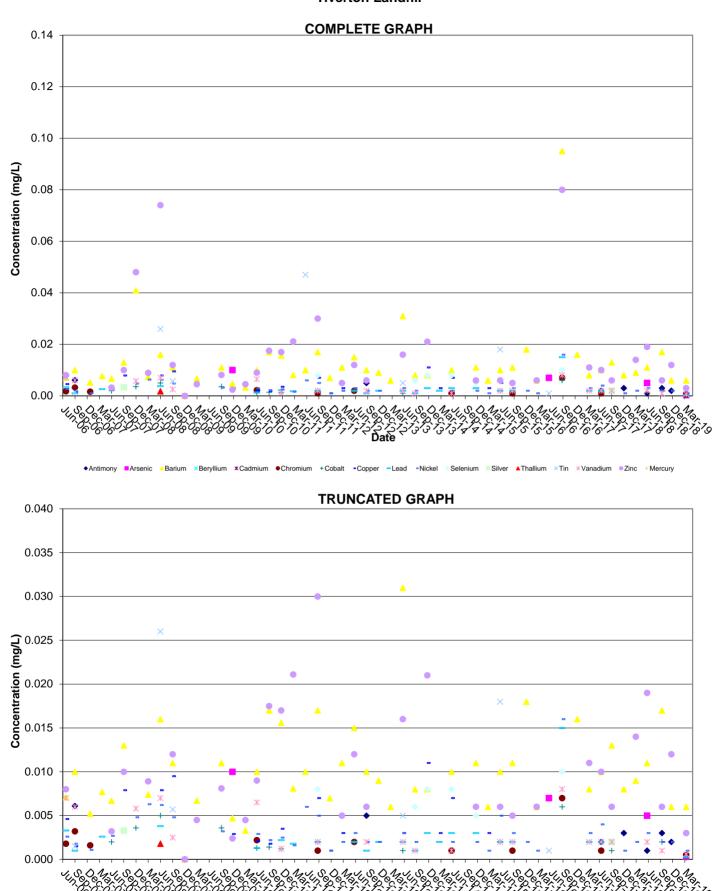
Date

Detected Appendix A Metals at Surface Water Sampling Location SW-1 Tiverton Landfill

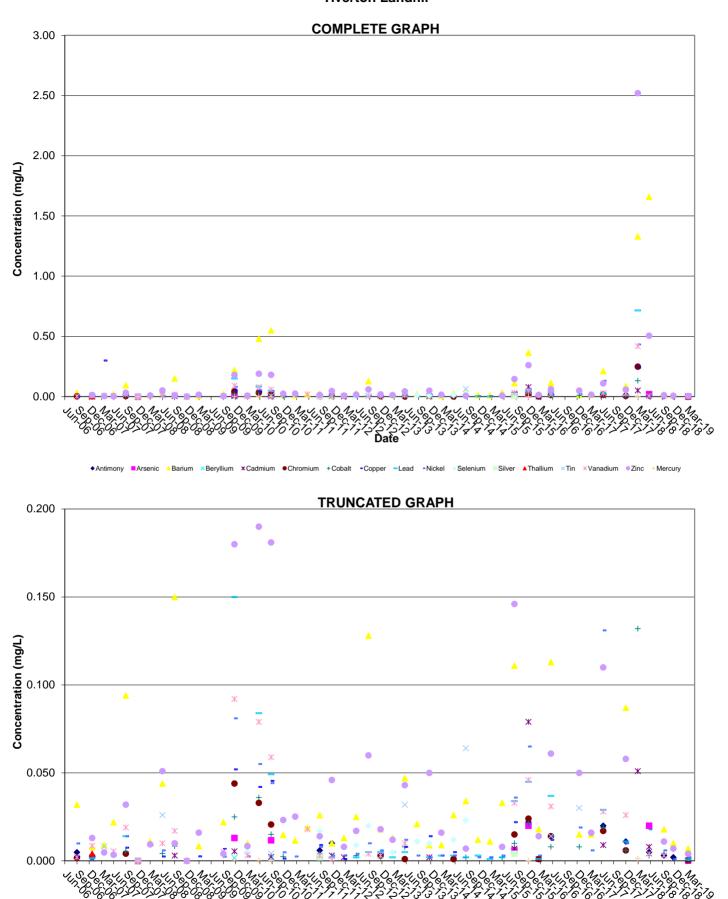




Detected Appendix A Metals at Surface Water Sampling Location SW-2 Tiverton Landfill



Detected Appendix A Metals at Surface Water Sampling Location SW-3 Tiverton Landfill



<u>ATTACHMENT NO. 4</u> TOLERANCE INTERVAL STATISTICAL EVALUATION

TABLE 3 SUMMARY OF GROUNDWATER MONITORING RESULTS - TOLERANCE INTERVAL COMPARISON MAR 2019 - SAMPLE ROUND

Concentration (units as specified for Threshold Value)

OW-16

ND

ND

0.014 0.0001

0.0003

ND

0.0008

ND

ND

0.002

ND

0.0001

ND

ND

ND

0.004

							,			
		0	W-9		Background W	/ell		Compliance we	lls	
			ce Limit *	Threshold	5					
	<u>Parameter</u>	TL=A\	/G+K*S	Value	OW-9	OW-7	OW-12	OW-13	OW-14	OW-15
				,						
METALS	Antimony	0.0290	mg/L	0.006 mg/L ¹	0.0001	ND	ND	ND	0.0001	ND
	Arsenic	0.0030	mg/L	0.010 mg/L ¹	0.0001	0.0002	ND	0.0081	0.0018	0.0352
	Barium	0.0572	mg/L	2 mg/L ¹	0.006	0.034	0.02	0.118	0.202	0.158
	Beryllium	0.0003	mg/L	0.004 mg/L ¹ 0.005 mg/L ¹	0.0003	ND	ND 0.0004	ND 0.0004	ND	ND
	Cadmium Chromium	0.3650 0.0378	mg/L mg/L	0.005 mg/L 0.1 mg/L ¹	0.0001 0.0019	0.0007 0.0011	0.0004 ND	0.0004 0.0004	ND 0.0007	ND 0.0007
	Cobalt	0.0376	mg/L	0.73 mg/L ⁵		0.0090	0.0005	0.0004	0.0059	0.0007
	Copper	0.0030	mg/L	1.3 mg/L ¹	0.0003 ND	0.002	0.0003 ND	0.004	0.0039 ND	0.0120 ND
	Lead	0.2414	mg/L	0.015 mg/L ¹	0.0007	0.002	ND	0.0008	0.0010	0.0003
	Mercury	0.0001	mg/L	0.002 mg/L ¹	ND	0.0013 ND	ND	ND	ND	0.0003 ND
	Nickel	0.0315	mg/L	0.1 mg/L ²		0.011	0.01	0.011	0.011	0.025
	Selenium	0.0100	mg/L	0.05 mg/L ¹		ND	ND	ND	ND	ND
	Silver	0.0005	mg/L	0.1 mg/L ²		0.0002	0.003	ND	0.0002	0.0001
	Thallium	0.0001	mg/L	0.002 mg/L ¹	ND	ND	ND	ND	ND	ND
	Tin	0.0010	mg/L	22 mg/L ⁵	ND	ND	ND	ND	ND	ND
	Vanadium	0.0080	mg/L	0.26 mg/L ⁵		0.0013	ND	ND	0.0007	0.0010
	Zinc	14.7679	mg/L	2 - 5 mg/L ²		0.006	ND	0.005	0.004	0.003
VOC'S	Acetone			610 µg/L°						
	Acrylonitrile			0.039 μg/L°						
	Benzene			5 μg/L ¹						
	Bromochloromethane			80 μg/L ²						
	Bromodichloromethane (THM)			90 μg/L¹						
	Bromoform			80 μg/L ¹						
	Carbon disulfide			1000 μg/L ⁵						
	Carbon tetrachloride			5 μg/L¹						
	Chlorobenzene			100 μg/L ¹						
	Chloroethane			4.6 μg/L° 80 μg/L¹						
	Chloroform			80 μg/L 80 μg/L ¹						
	Chlorodibromomethane (THM) 1,2-Dibromo-3-chloropropane (DBCP)			0.2 μg/L ¹						
	1,2-Dibromoethane (EDB)			0.2 μg/L 0.05 μg/L ¹						
	1,2-Dichlorobenzene			600 μg/L ¹						
	1,4-Dichlorobenzene			75 μg/L¹						
	trans-1,4-Dichloro-2-butene			μg/L						
	1,1 -Dichloroethane			5 μg/L						
	1,2-Dichloroethane			5 μg/L ¹						
	1,1-Dichloroethylene			7 μg/L ¹						
	cis-1,2-Dichloroethene			70 μg/L ¹						
	trans-1,2-Dichloroethene			100 μg/L ¹						
	1,2-Dichloropropane			5 μg/L¹						
	cis-1,3-Dichloropropene			μg/L						
	trans-1,3-Dichloropropene			μg/L						
	Ethylbenzene			700 μg/L ¹						
	Methyl butyl ketone(2-Hexanone)			160 μg/L ⁵						
	Bromomethane			10 μg/L ²						
	Chloromethane			30 μg/L ²						
	Dibromomethane			61 μg/L ⁵						
	Methylene chloride			5 μg/L ¹						
	Methyl indide			4000 μg/L² μg/L						
	Methyl iodide 4-Methyl-2-pentanone			μg/L μg/L						
	4-Methyl-z-pentarione Styrene			μg/L 100 μg/L ¹						
	1,1,1,2-Tetrachloroethane			70 μg/L ²						
	1,1,2,2-Tetrachloroethane			0.3 μg/L ²						
	Tetrachloroethylene(PCE)			5 μg/L¹						
	Toluene			1000 μg/L ¹						
	1,1,1-Trichloroethane			200 μg/L ¹						
	1,1,2-Trichloroethane			5 μg/L¹						
	Trichloroethylene(TCE)			5 μg/L¹						
	Trichloroflouromethane			2000 μg/L ²						
	1,2,3-Trichloropropane			40 μg/L²						
	Vinyl acetate			410 μg/L ⁵						
	Vinyl chloride			2 μg/L ¹						
	Xylenes			10000 μg/L ¹						

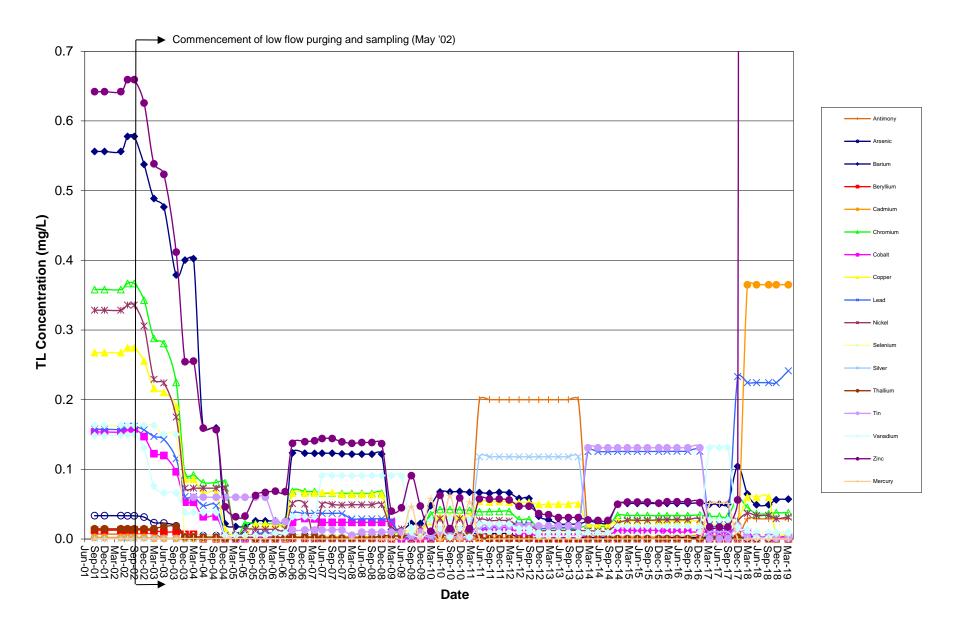
- 20 40 μg/L⁴ Methyl tert-butyl ether (MTBE) 1. Threshold value given is the Maximum Contaminant Level (MCL) as provided in the USEPA 2004 Edition of the Drinking Water Standards and Health Advisories
- Threshold value given is the lifetime health advisory as provided in the USEPA 2004 Edition of the Drinking Water Standards and Health Advisories
 Threshold value given is the Secondary Drinking Water Regulation (SDWR) as provided in the USEPA 2004 Edition of the Drinking Water Standards and Health Advisories
- 4. Threshold value given is the Drinking Water Advisory as provided in the USEPA 2004 Edition of the Drinking Water Standards and Health Advisories
- 5. Threshold value given is the Preliminary Remedial Goal (PRG) for tap water, as provided in the October 2002 USEPA Region 9 PRGs Table 2002 Update
- 6. Constituent concentration was reported above its laboratory method detection limit, but lower than its laboratory reporting limit and historical reporting limit.

However, the reporting limit this round was significantly higher than previous reporting limits. Therefore, to be consistent with historical data, only those constituents with concentrations lower than historical reporting limits were reported as non-detect.

" = Exceedance of TL ND = Not Detected

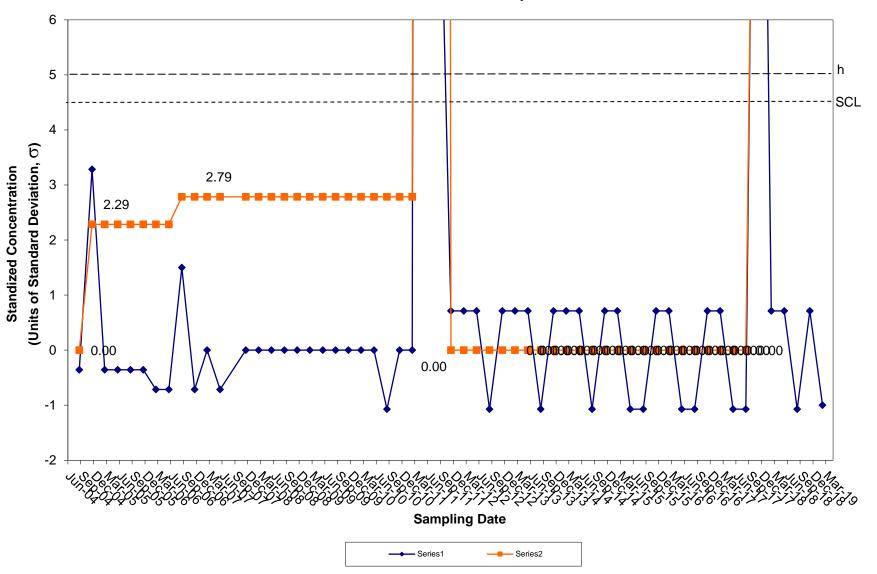
^{*} Tolerance Limit (TL) constructed from background (upgradient) well data from OW-9.

Historical Tolerance Limit Concentrations from Background Well Tiverton Landfill Compliance Sampling

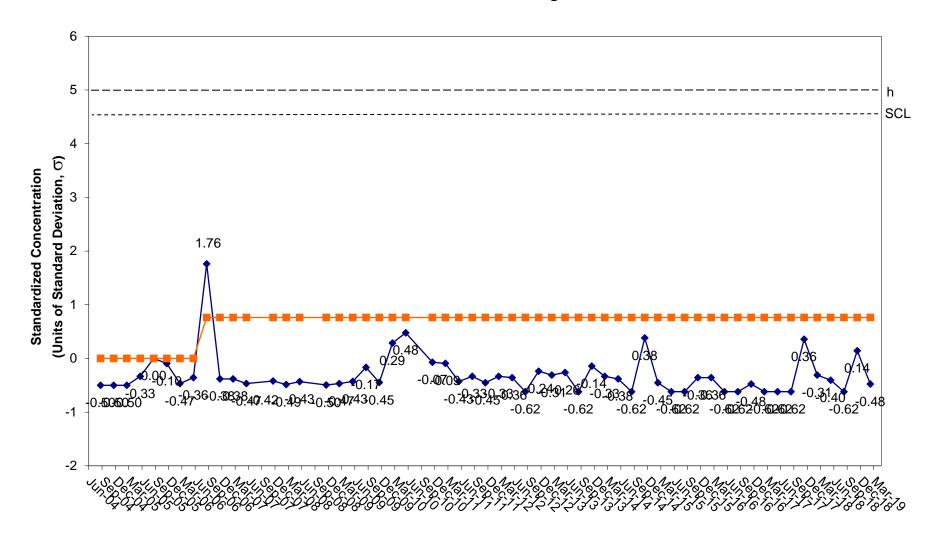


<u>ATTACHMENT NO. 5</u> CUSUM METHOD STATISTICAL EVALUATION

CUSUM Control Chart for Antimony Tiverton Landfill Groundwater Complaince Well OW-9

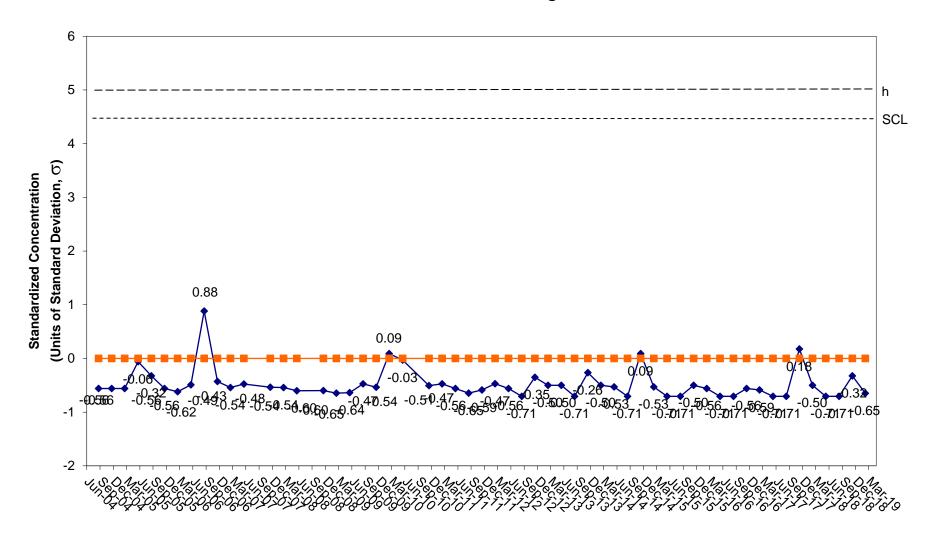


CUSUM Control Chart for Barium Tiverton Landfill Groundwater Background Well OW-9



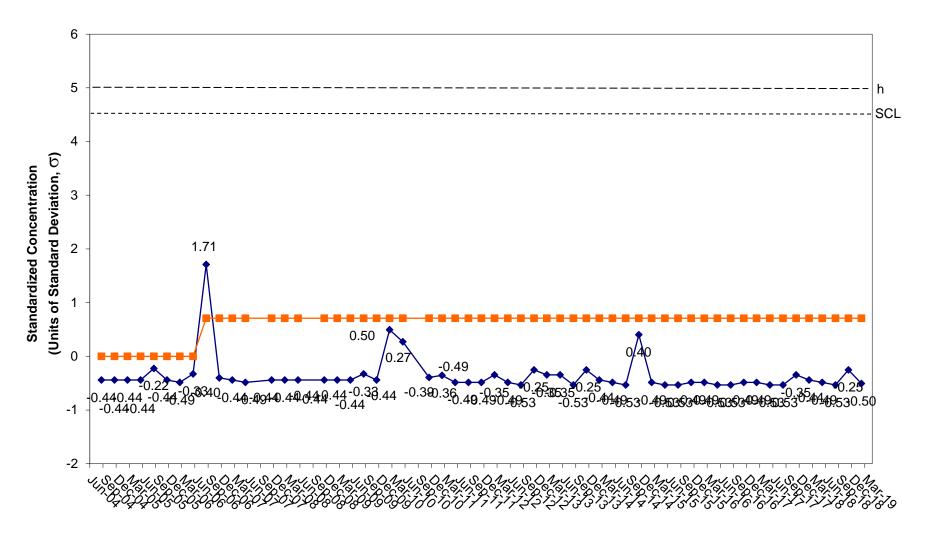


CUSUM Control Chart for Chromium Tiverton Landfill Groundwater Background Well OW-9



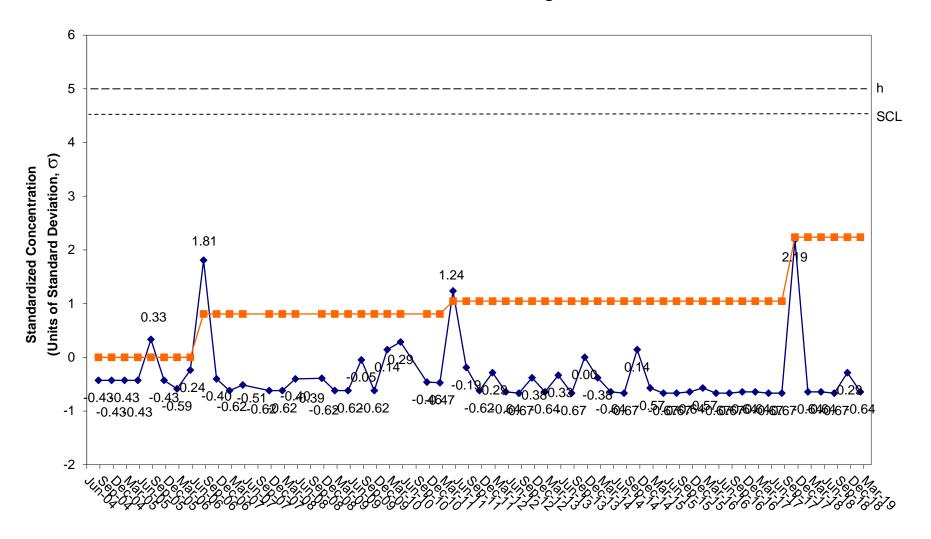


CUSUM Control Chart for Cobalt Tiverton Landfill Groundwater Background Well OW-9



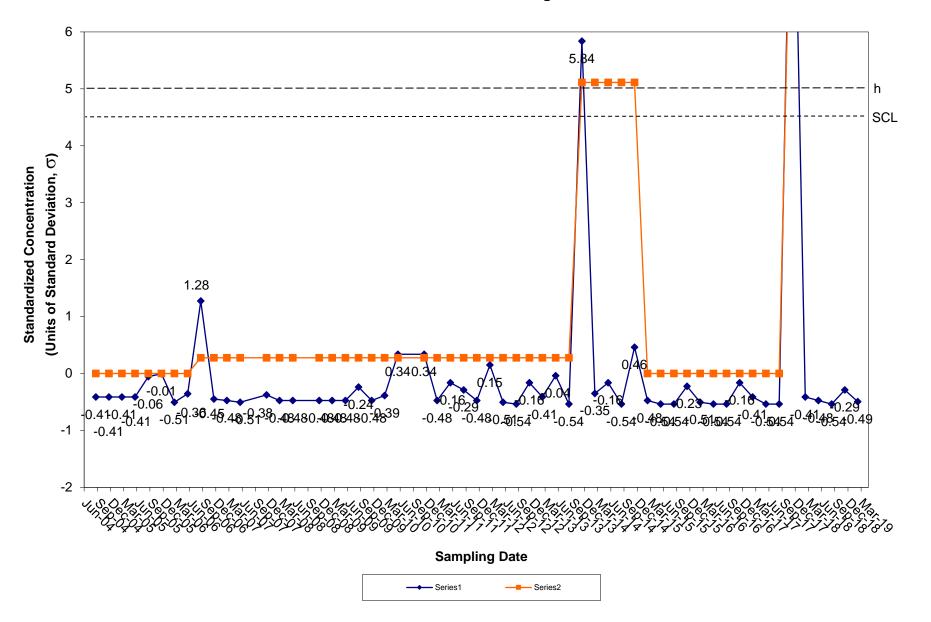


CUSUM Control Chart for Copper Tiverton Landfill Groundwater Background Well OW-9

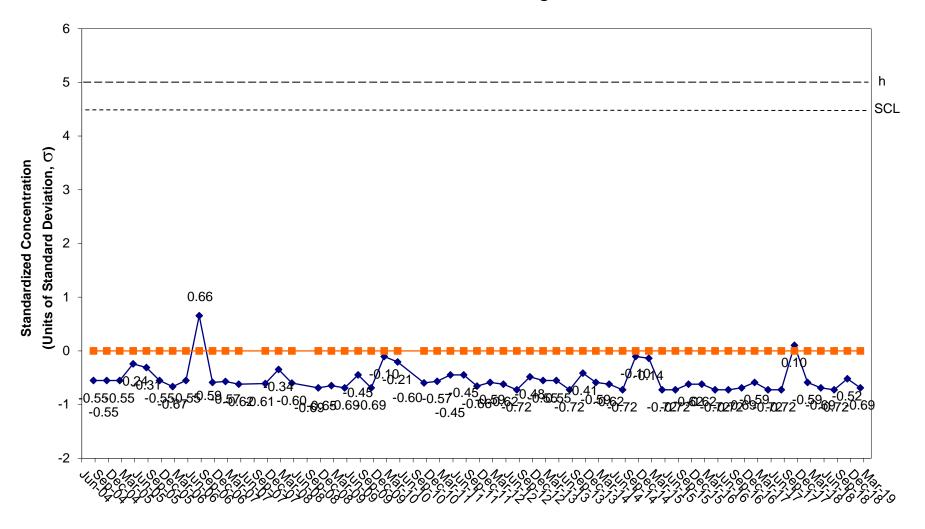




CUSUM Control Chart for Lead Tiverton Landfill Groundwater Background Well OW-9

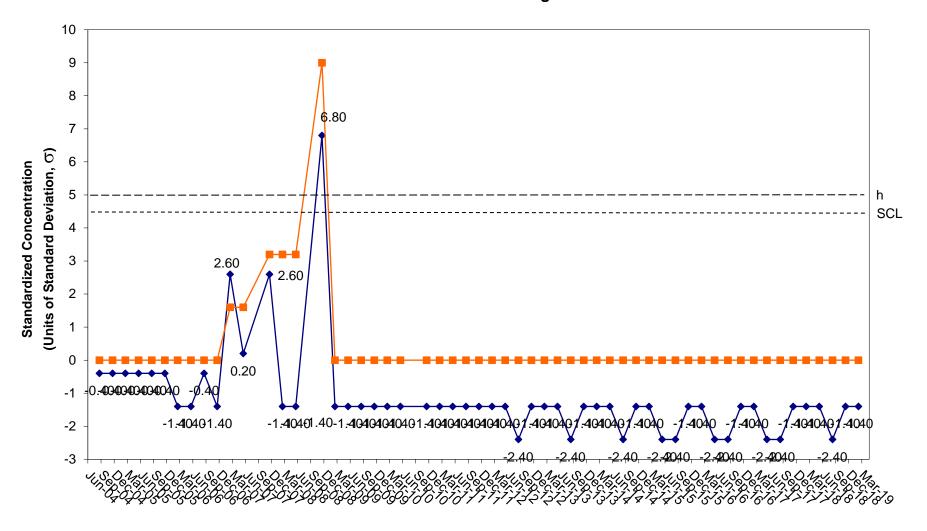


CUSUM Control Chart for Nickel Tiverton Landfill Groundwater Background Well OW-9



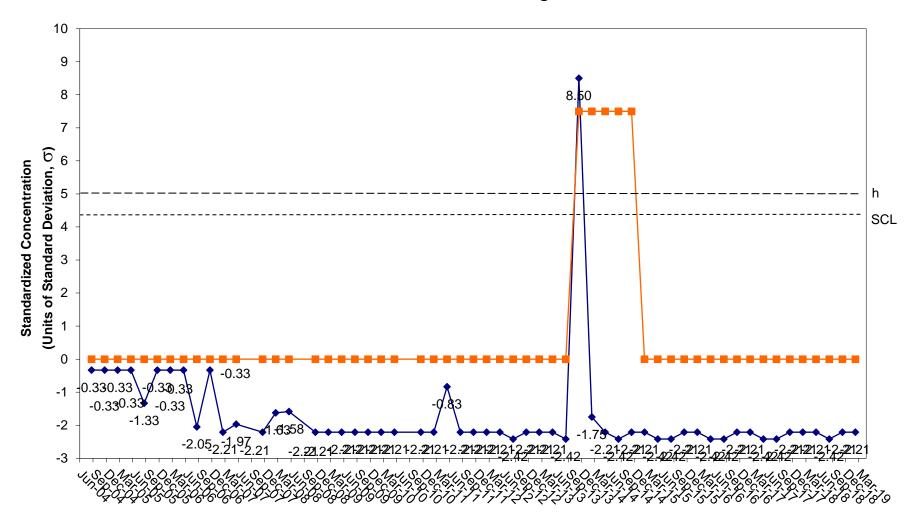


CUSUM Control Chart for Thallium Tiverton Landfill Groundwater Background Well OW-9



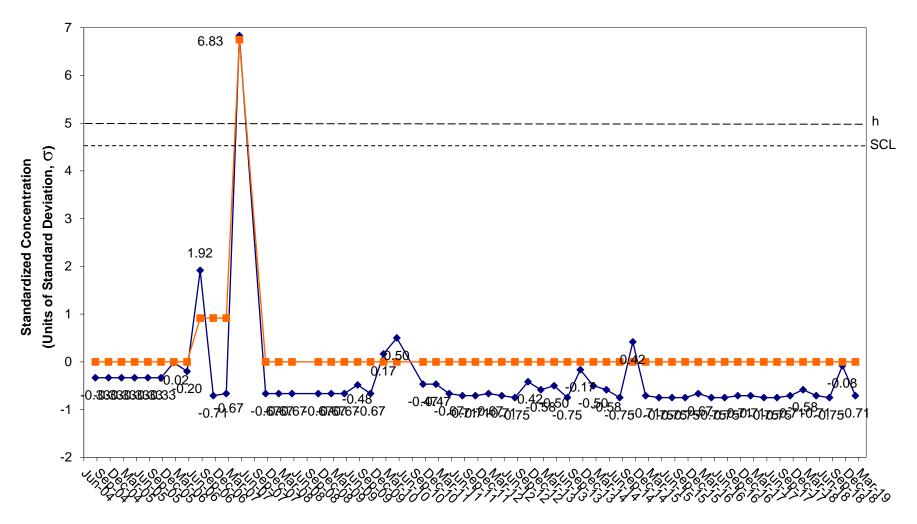


CUSUM Control Chart for Tin Tiverton Landfill Groundwater Background Well OW-9



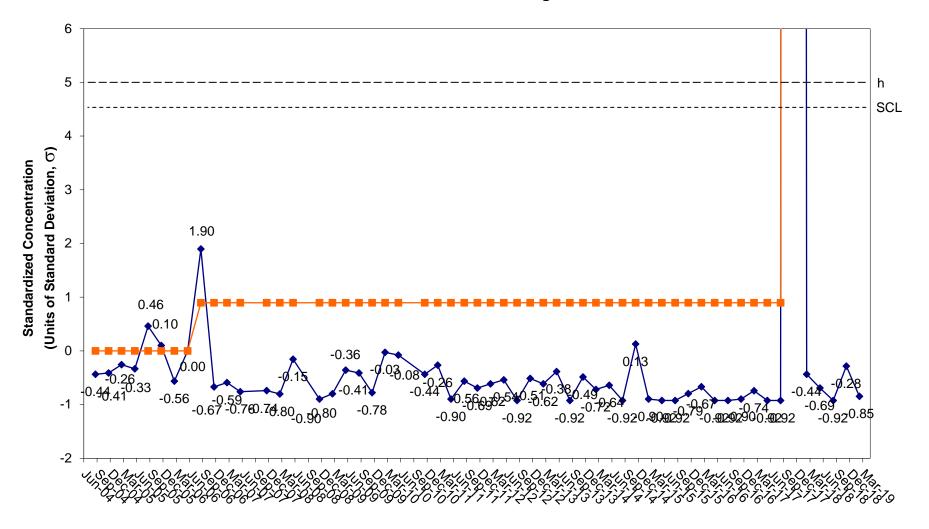


CUSUM Control Chart for Vanadium Tiverton Landfill Groundwater Background Well OW-9



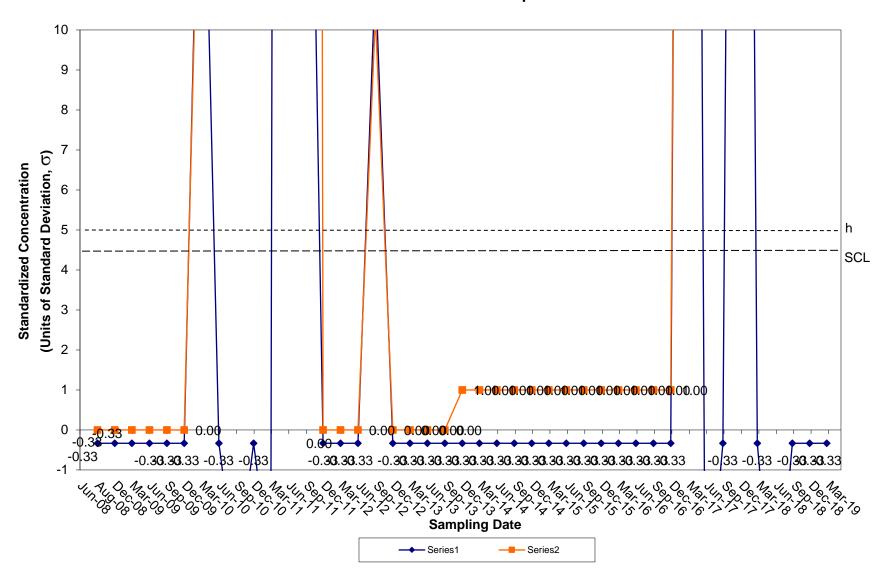


CUSUM Control Chart for Zinc Tiverton Landfill Groundwater Background Well OW-9

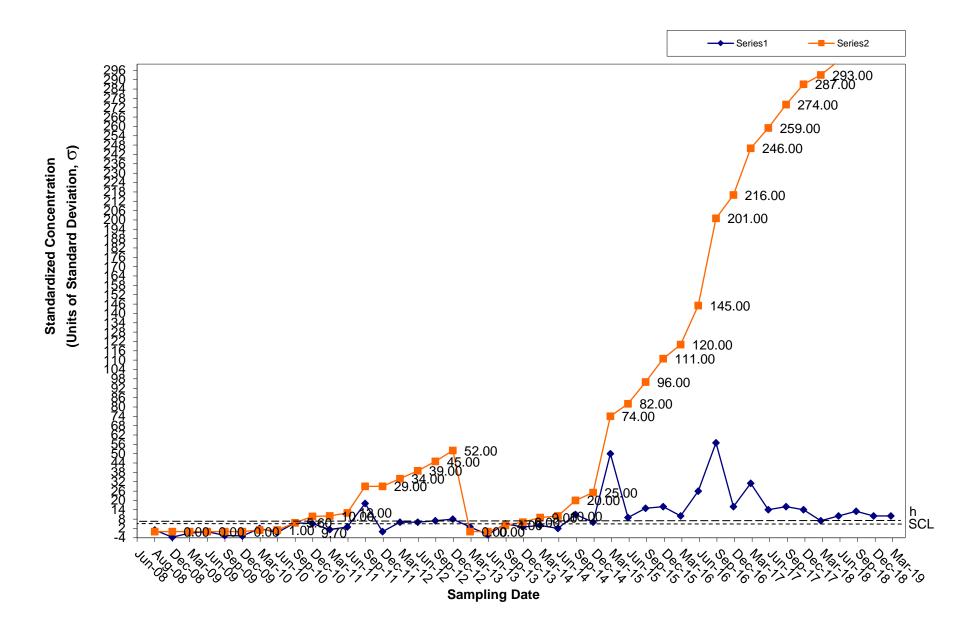




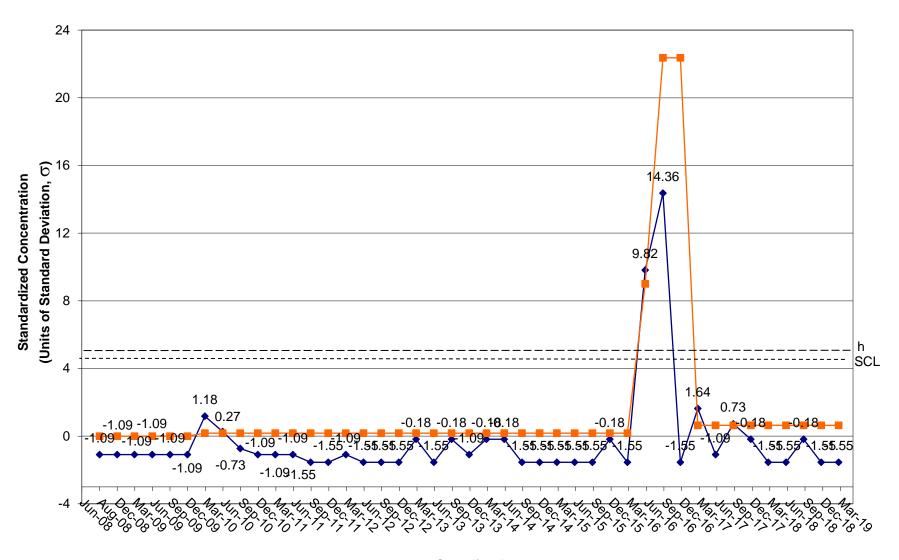
CUSUM Control Chart for Antimony Tiverton Landfill Groundwater Compliance Well OW-12



CUSUM Control Chart for Barium Tiverton Landfill Groundwater Compliance Well OW-12

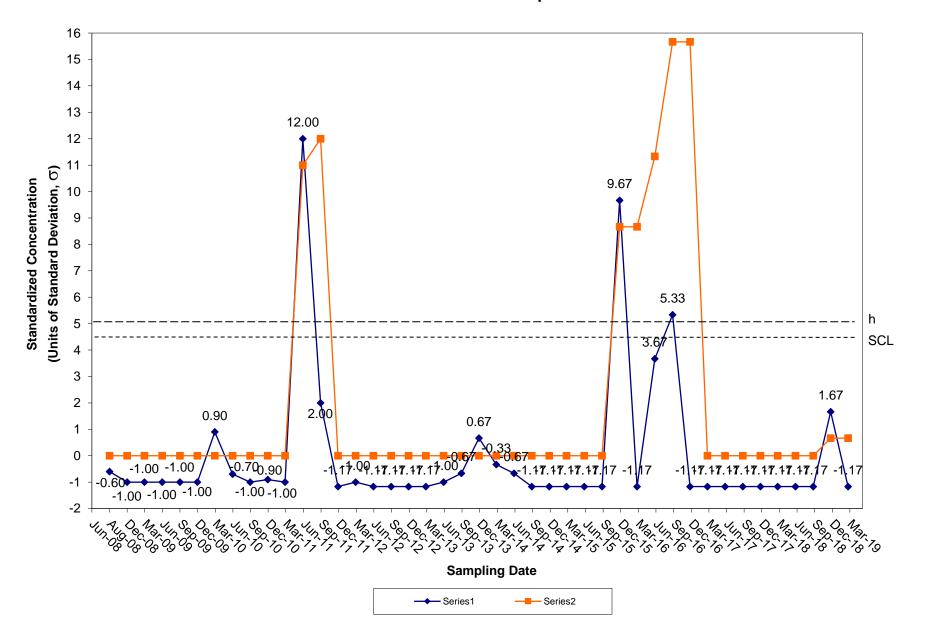


CUSUM Control Chart for Chromium Tiverton Landfill Groundwater Compliance Well OW-12

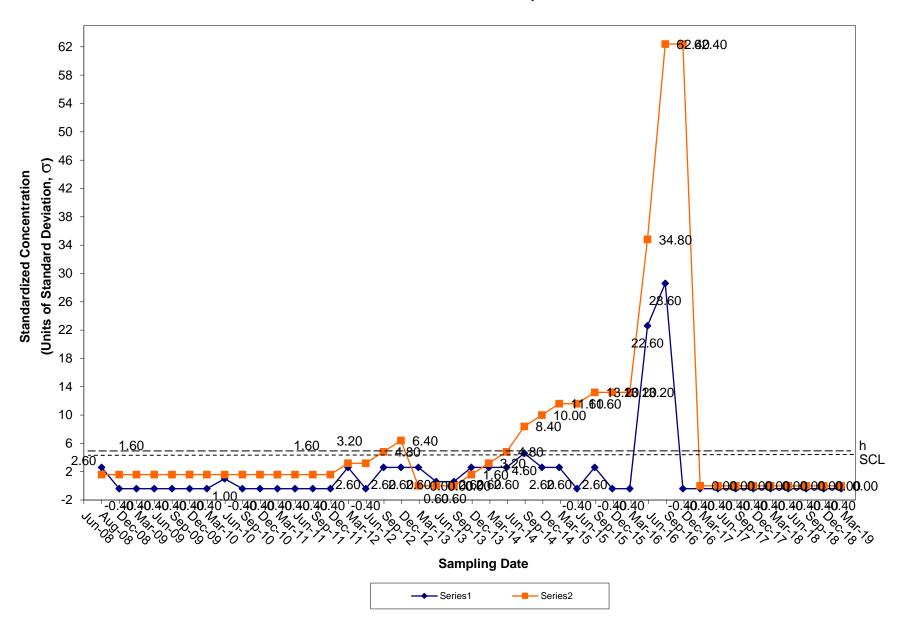




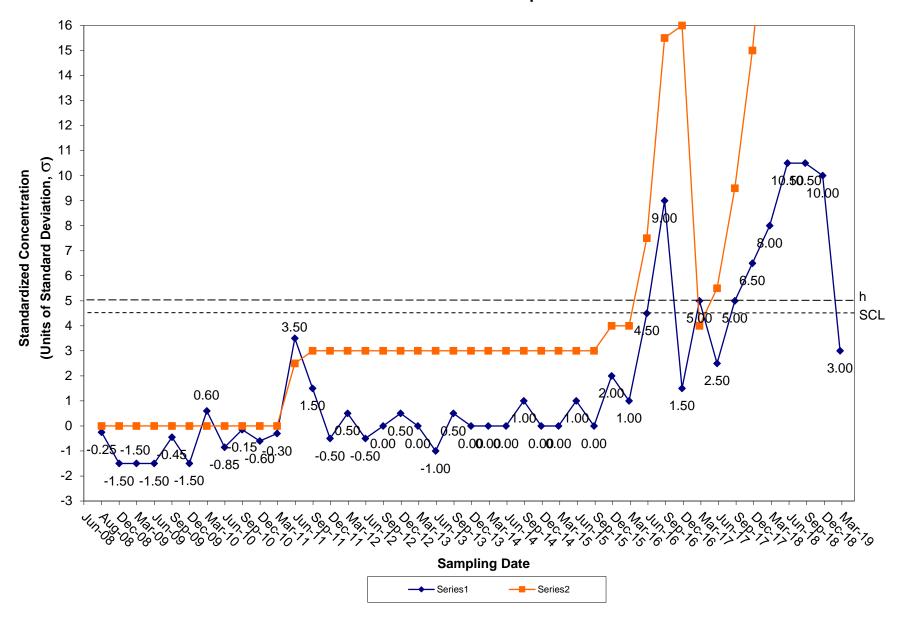
CUSUM Control Chart for Copper Tiverton Landfill Groundwater Compliance Well OW-12



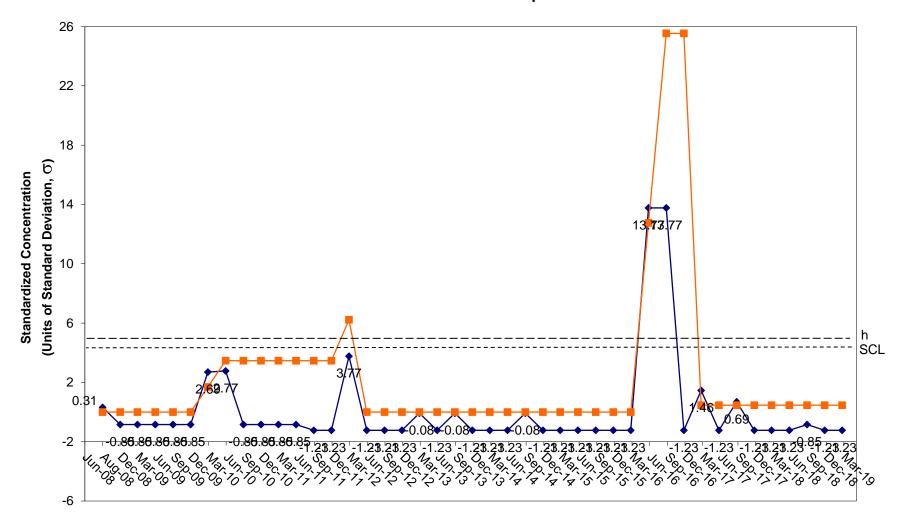
CUSUM Control Chart for Lead Tiverton Landfill Groundwater Compliance Well OW-12



CUSUM Control Chart for Nickel Tiverton Landfill Groundwater Compliance Well OW-12

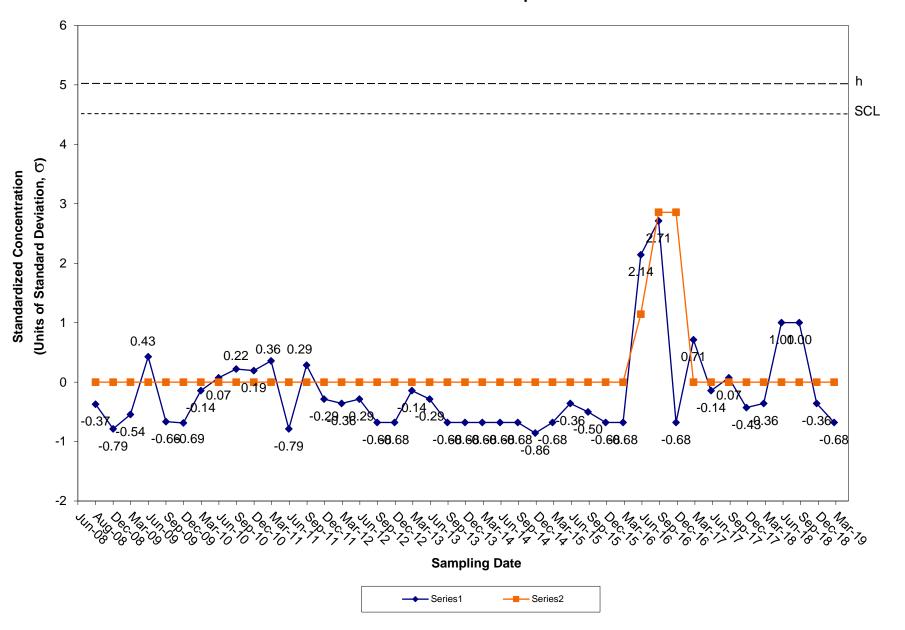


CUSUM Control Chart for Vanadium Tiverton Landfill Groundwater Compliance Well OW-12

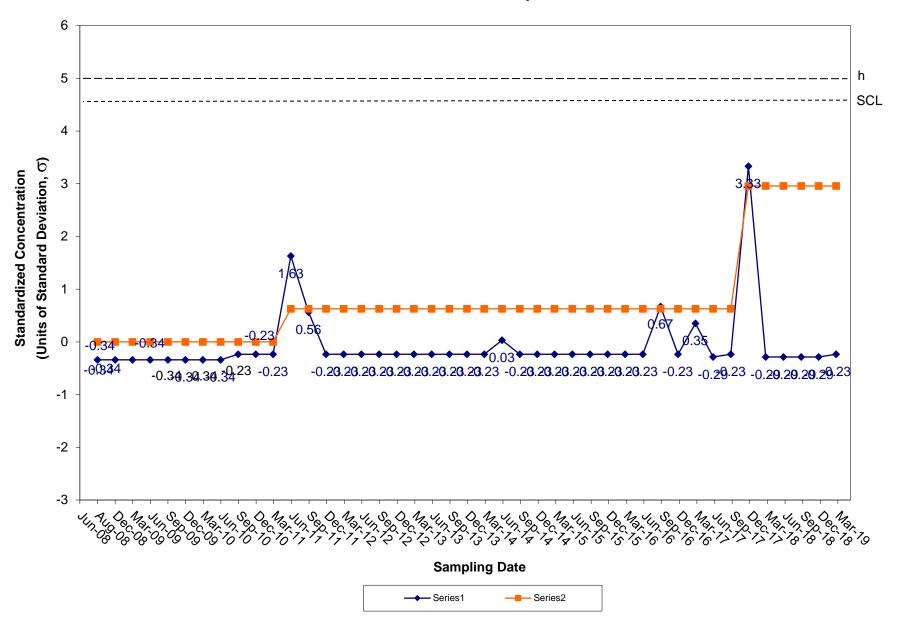




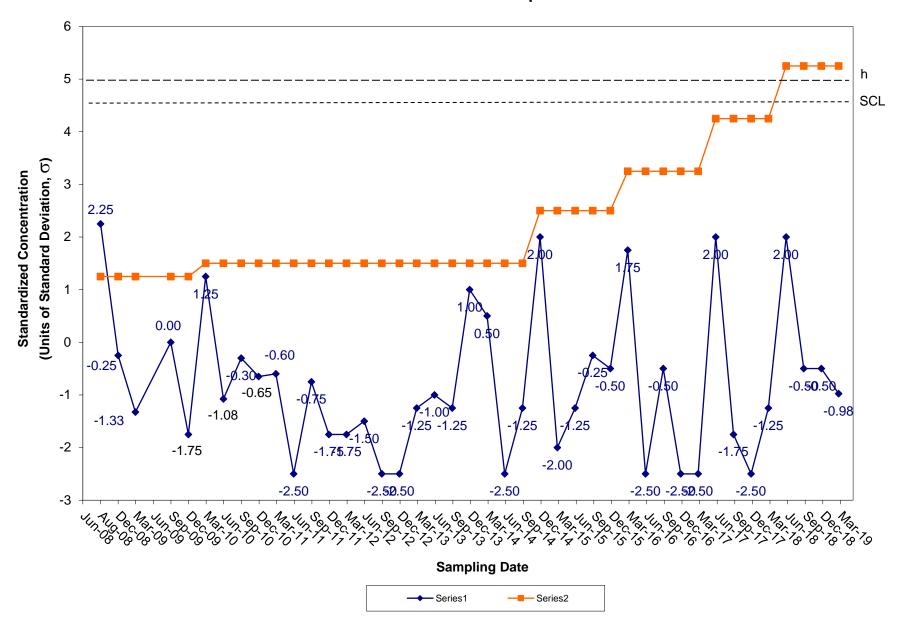
CUSUM Control Chart for Zinc Tiverton Landfill Groundwater Compliance Well OW-12



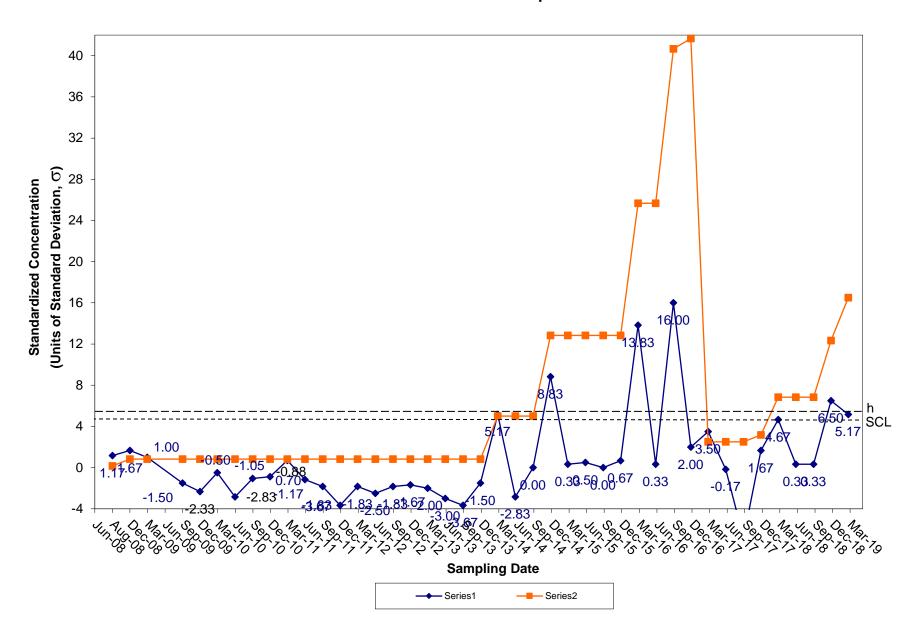
CUSUM Control Chart for Antimony Tiverton Landfill Groundwater Compliance Well OW-13



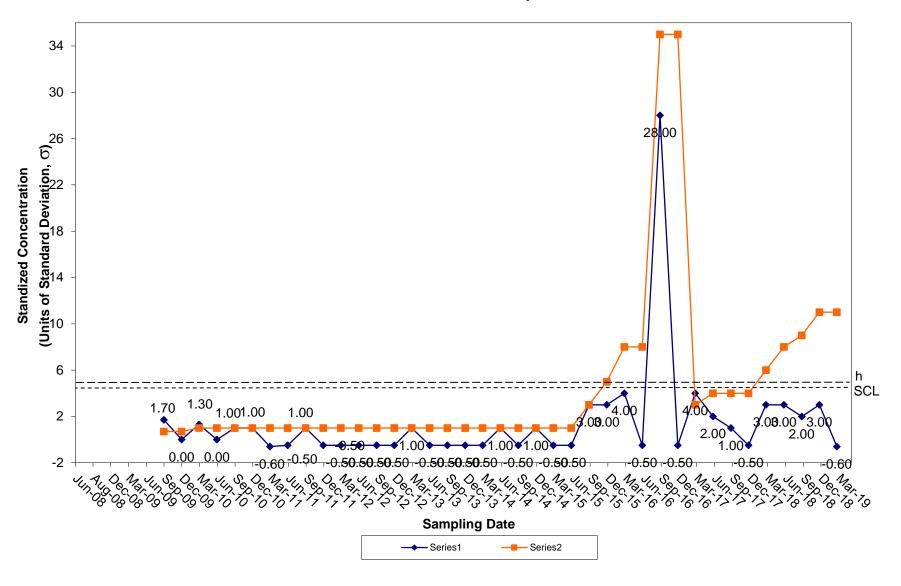
CUSUM Control Chart for Arsenic Tiverton Landfill Groundwater Compliance Well OW-13



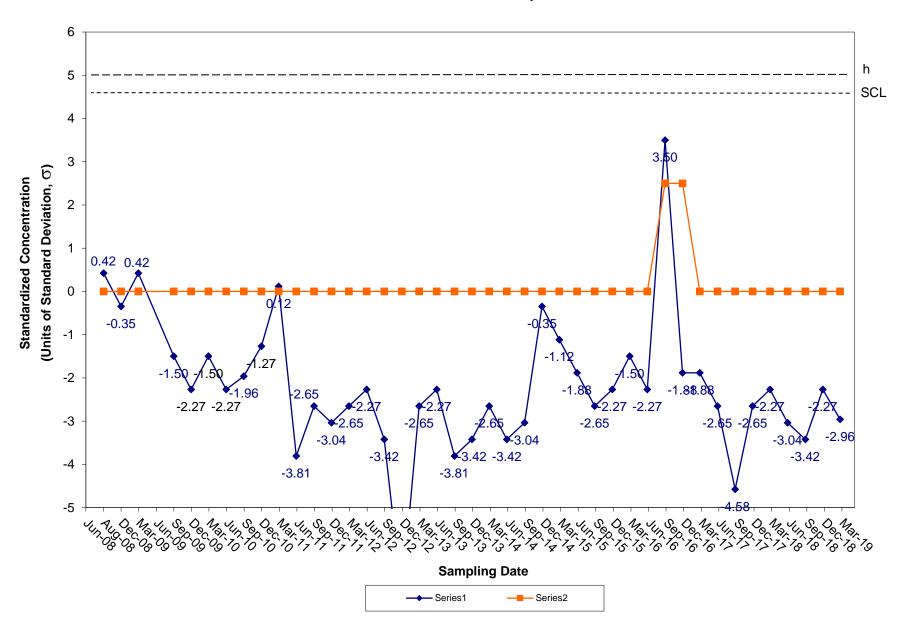
CUSUM Control Chart for Barium Tiverton Landfill Groundwater Compliance Well OW-13



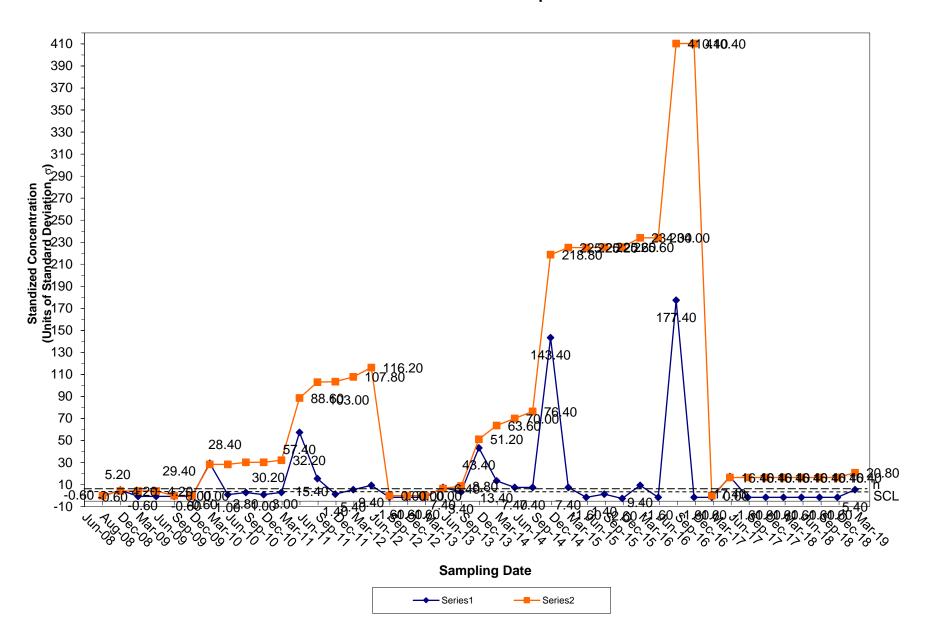
CUSUM Control Chart for Cadmium Tiverton Landfill Groundwater Complaince Well OW-13



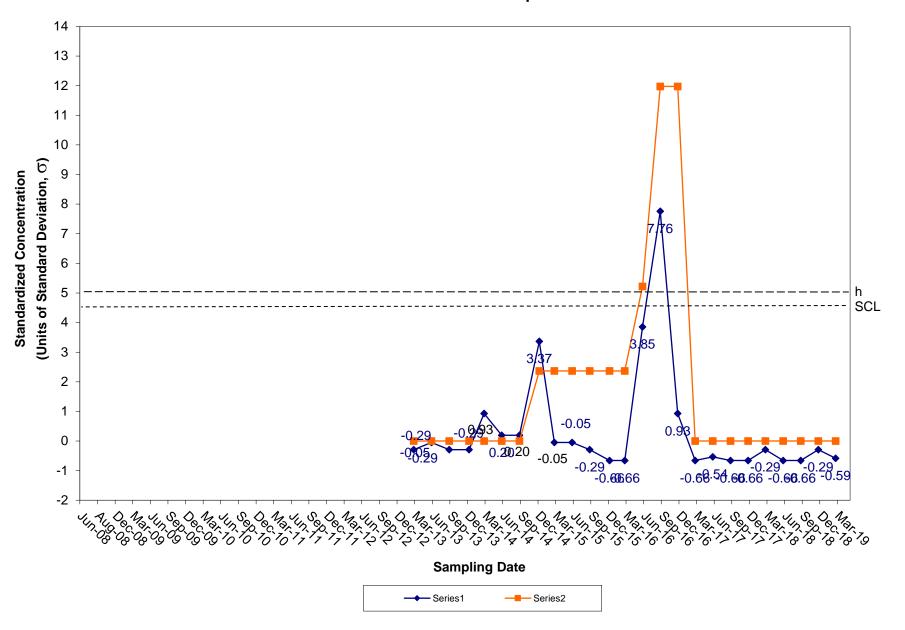
CUSUM Control Chart for Cobalt Tiverton Landfill Groundwater Compliance Well OW-13



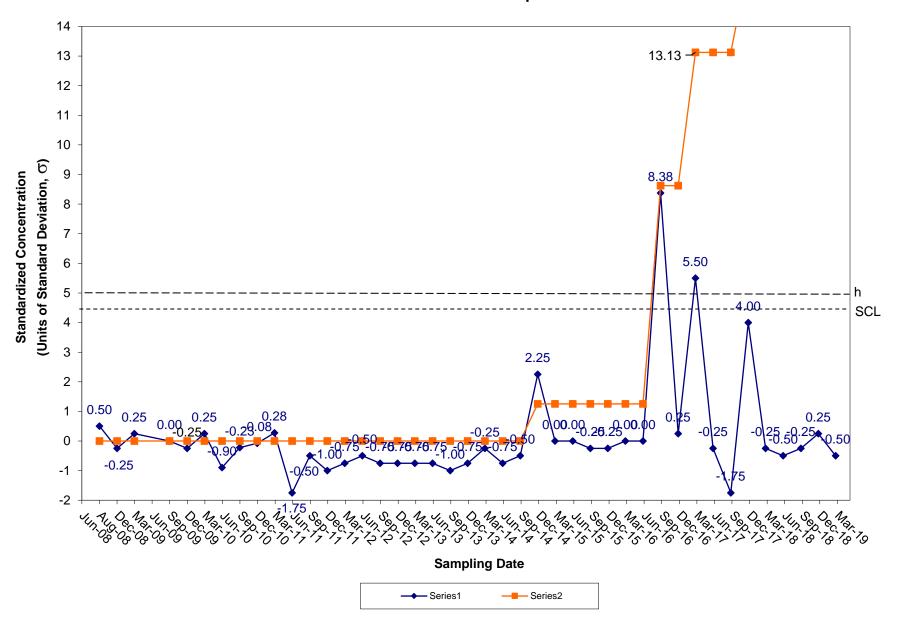
CUSUM Control Chart for Copper Tiverton Landfill Groundwater Complaince Well OW-13



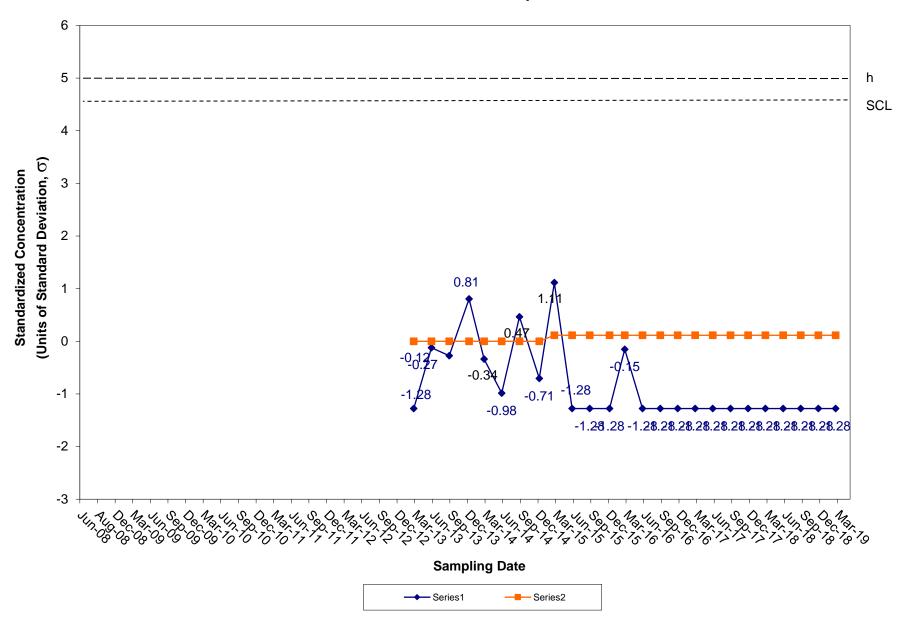
CUSUM Control Chart for Lead Tiverton Landfill Groundwater Compliance Well OW-13



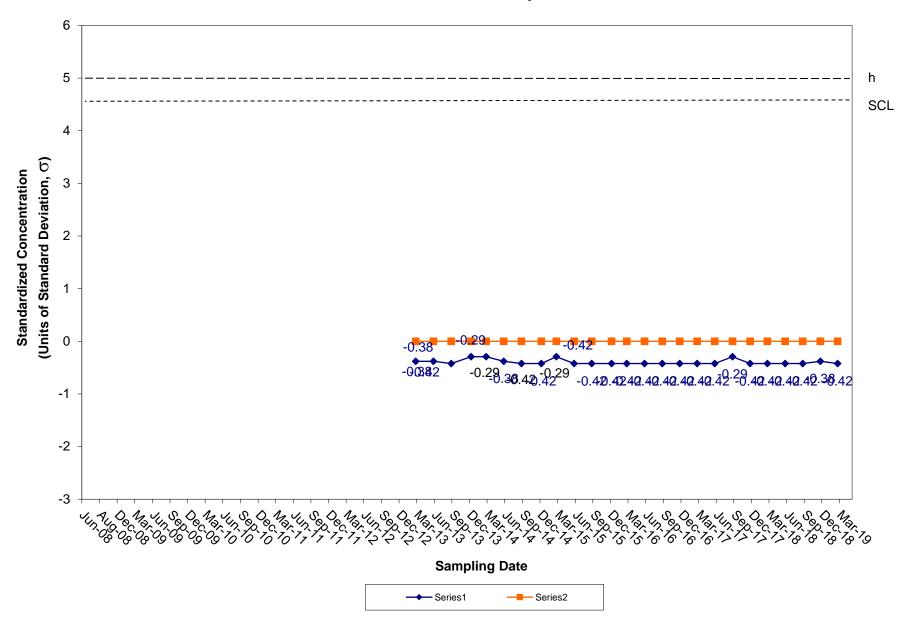
CUSUM Control Chart for Nickel Tiverton Landfill Groundwater Compliance Well OW-13



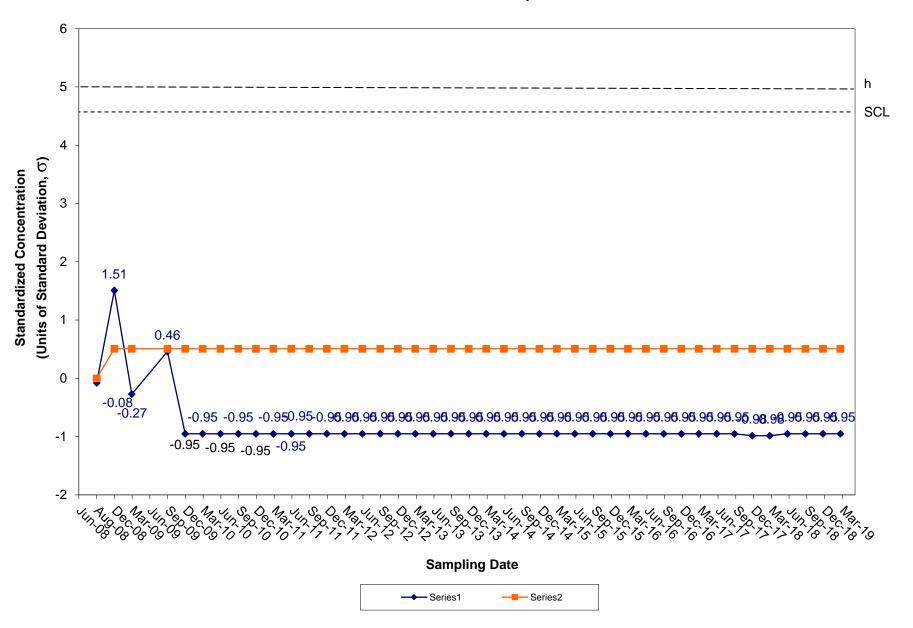
CUSUM Control Chart for Selenium Tiverton Landfill Groundwater Compliance Well OW-13



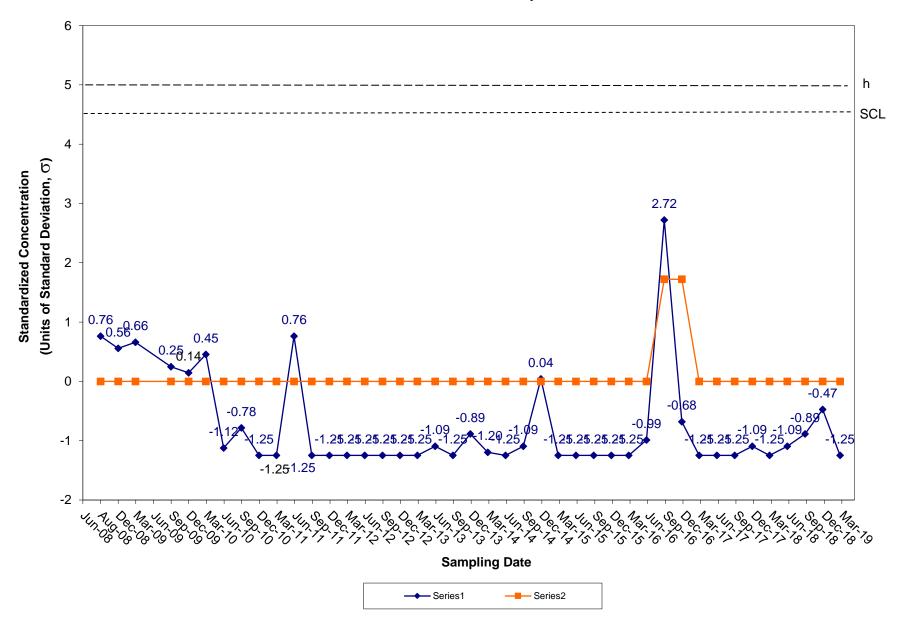
CUSUM Control Chart for Silver Tiverton Landfill Groundwater Compliance Well OW-13



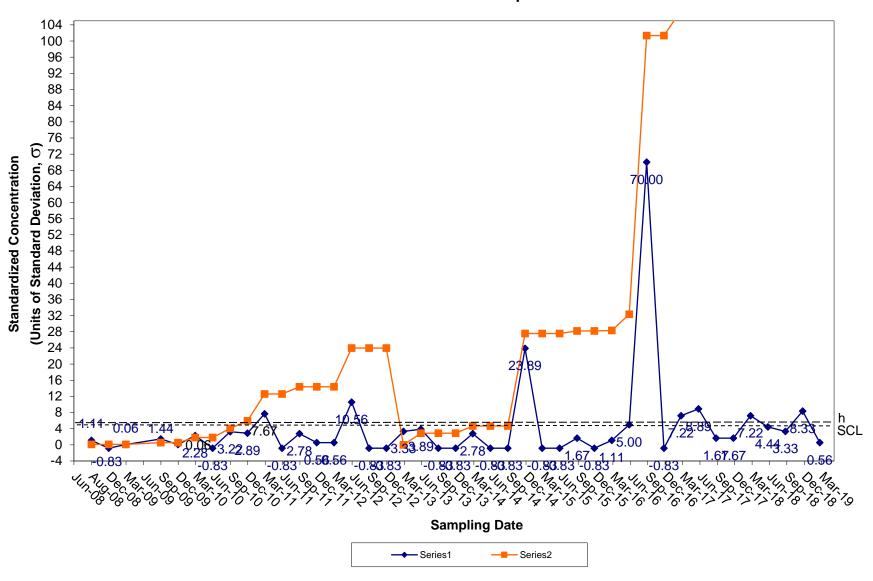
CUSUM Control Chart for Thallium Tiverton Landfill Groundwater Compliance Well OW-13



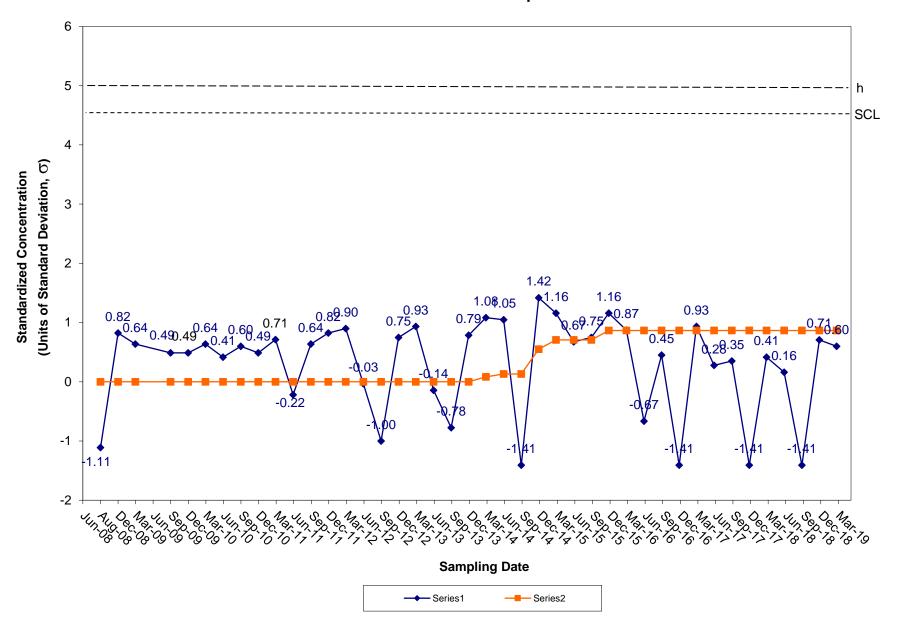
CUSUM Control Chart for Vanadium Tiverton Landfill Groundwater Compliance Well OW-13



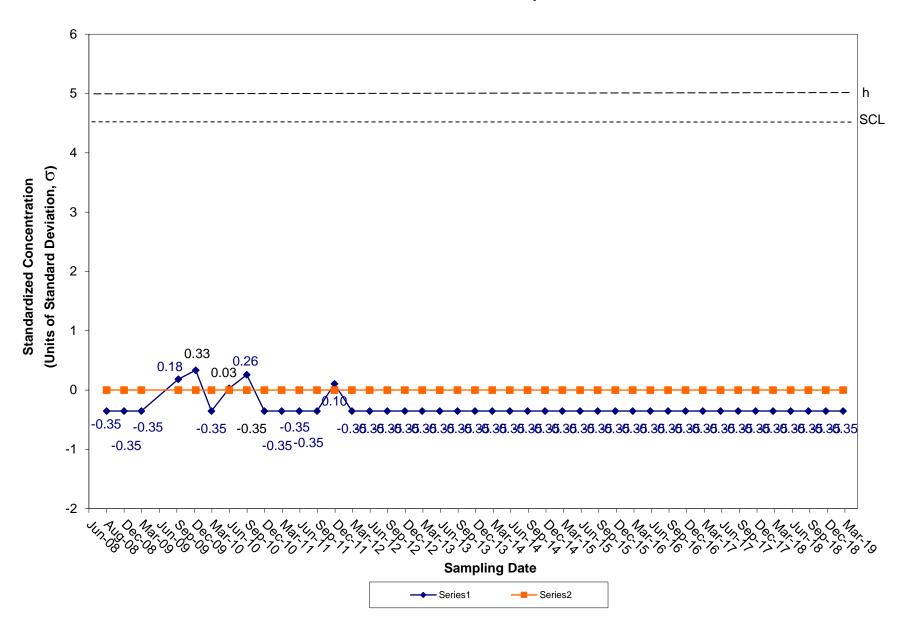
CUSUM Control Chart for Zinc Tiverton Landfill Groundwater Compliance Well OW-13



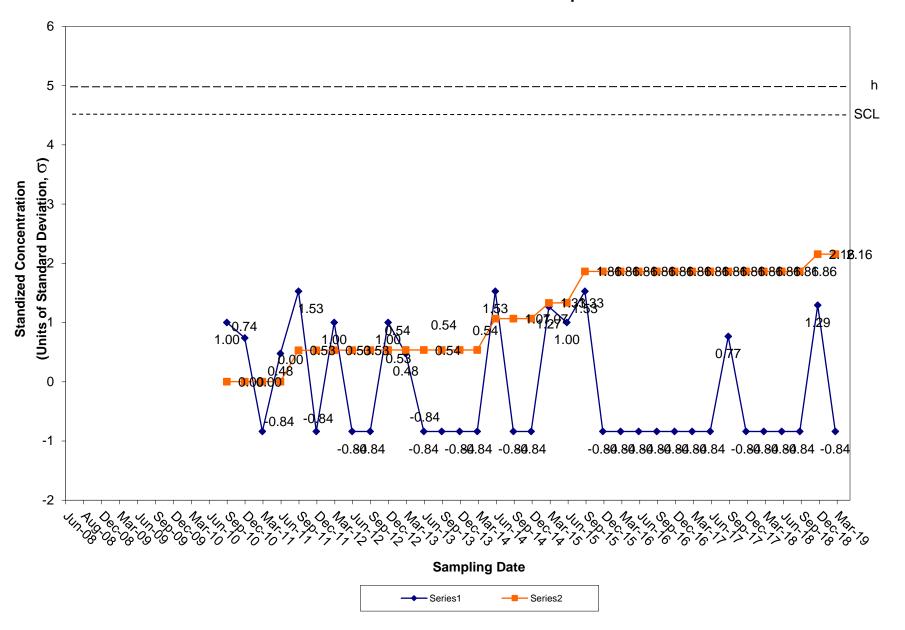
CUSUM Control Chart for Chlorobenzene Tiverton Landfill Groundwater Compliance Well OW-13



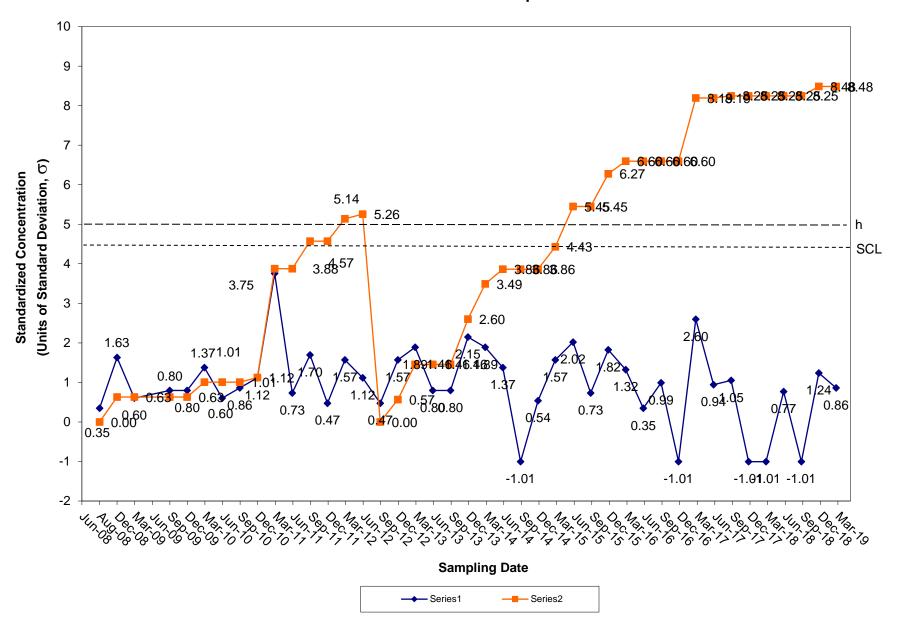
CUSUM Control Chart for Chloroethane Tiverton Landfill Groundwater Compliance Well OW-13



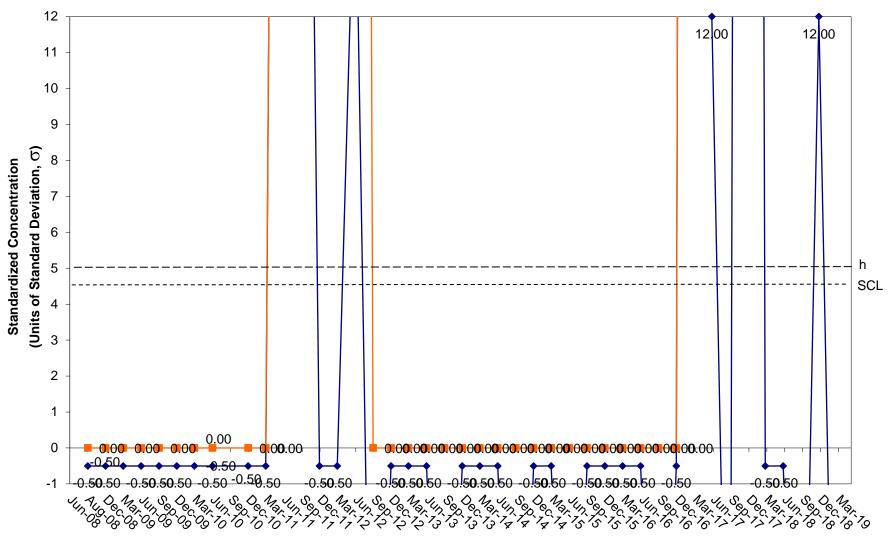
CUSUM Control Chart for 1,4-Dichlorobenzene - Adjusted Baseline Tiverton Landfill Groundwater Complaince Well OW-13



CUSUM Control Chart for MTBE Tiverton Landfill Groundwater Compliance Well OW-13

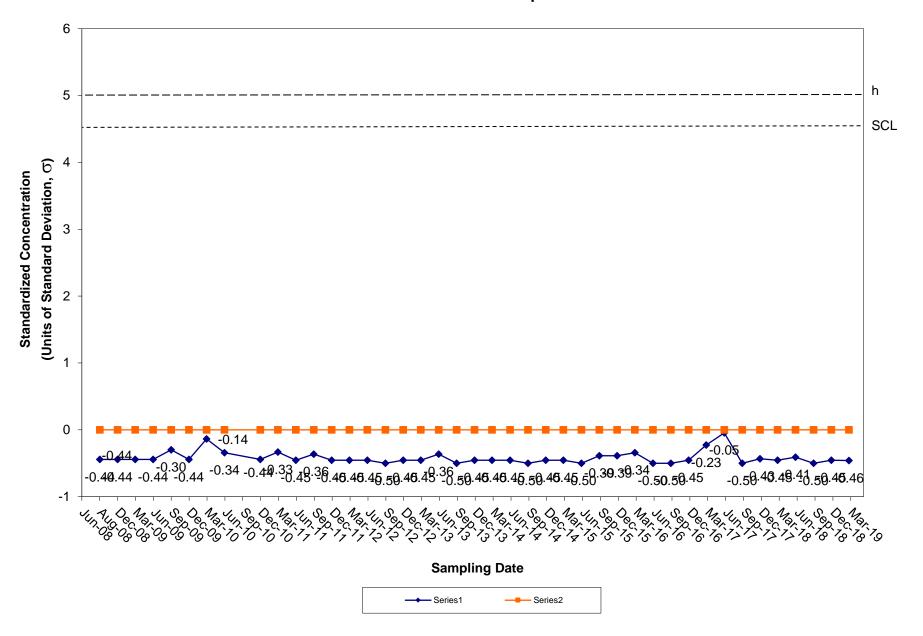


CUSUM Control Chart for Antimony Tiverton Landfill Groundwater Compliance Well OW-14

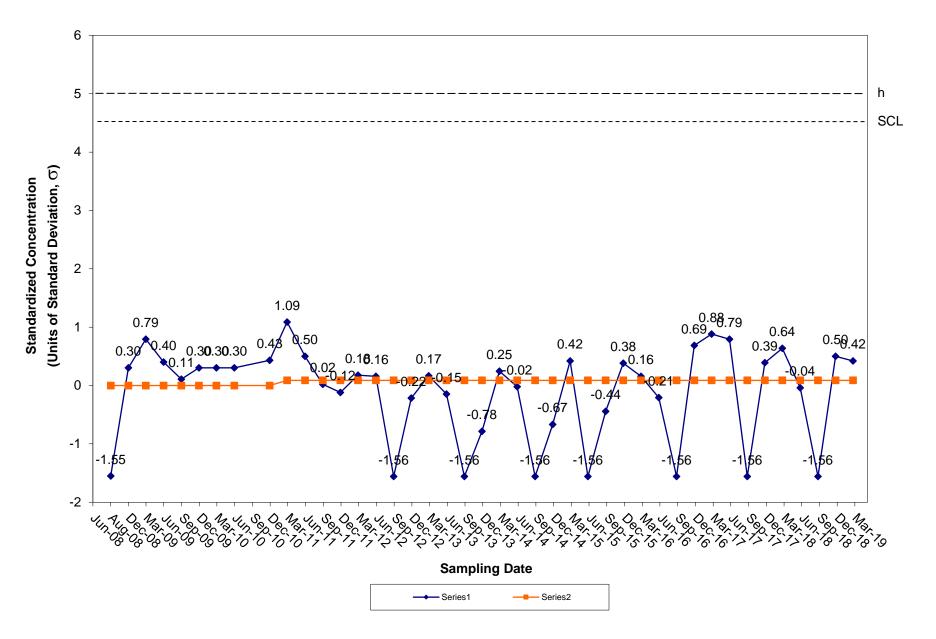




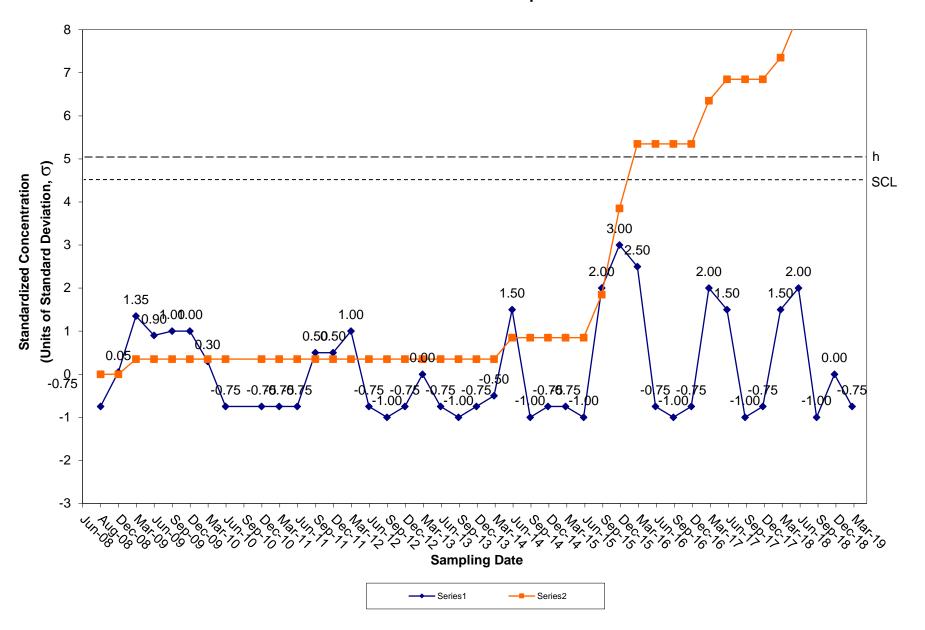
CUSUM Control Chart for Arsenic Tiverton Landfill Groundwater Compliance Well OW-14



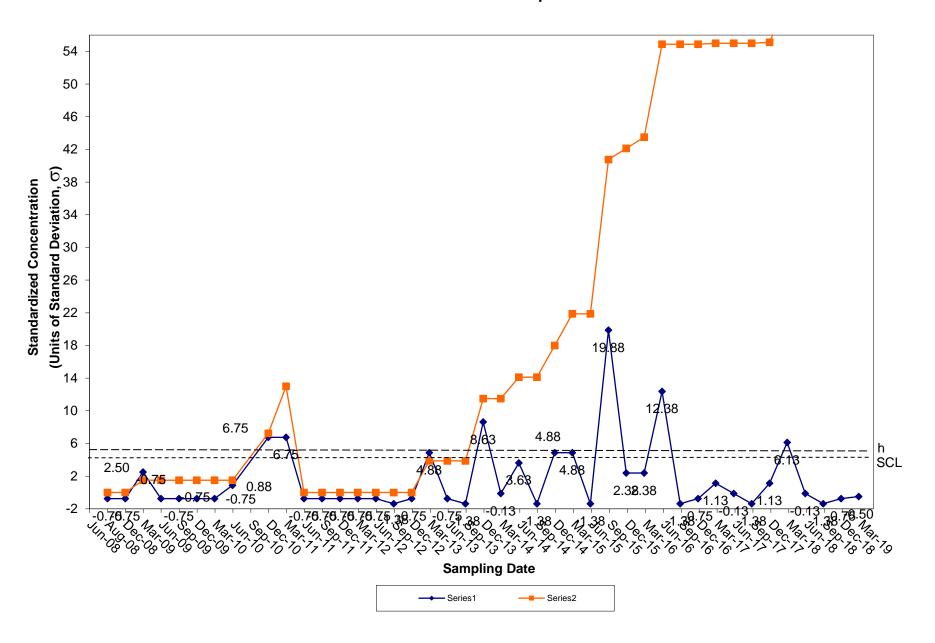
CUSUM Control Chart for Barium Tiverton Landfill Groundwater Compliance Well OW-14



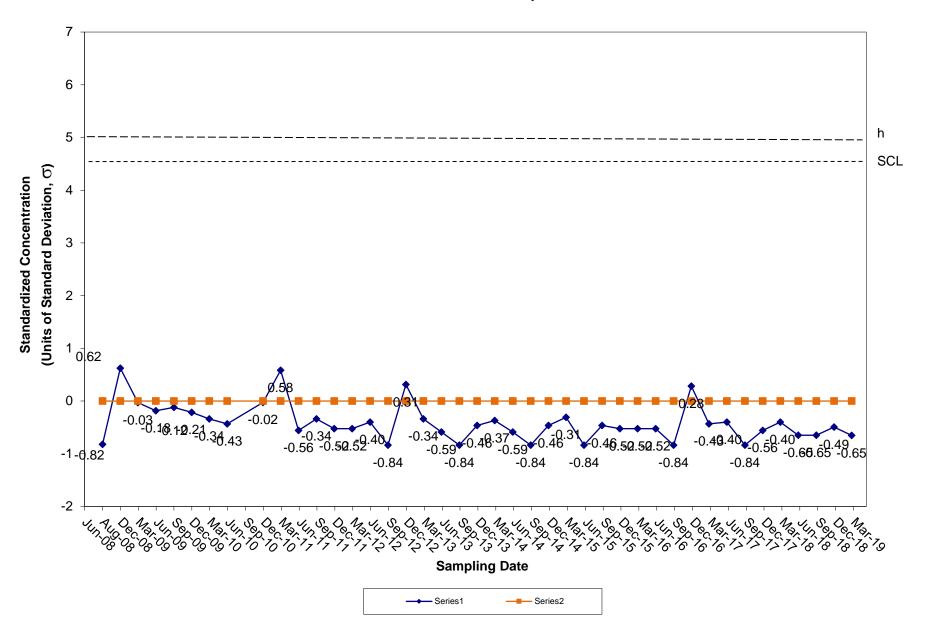
CUSUM Control Chart for Cadmium Tiverton Landfill Groundwater Compliance Well OW-14



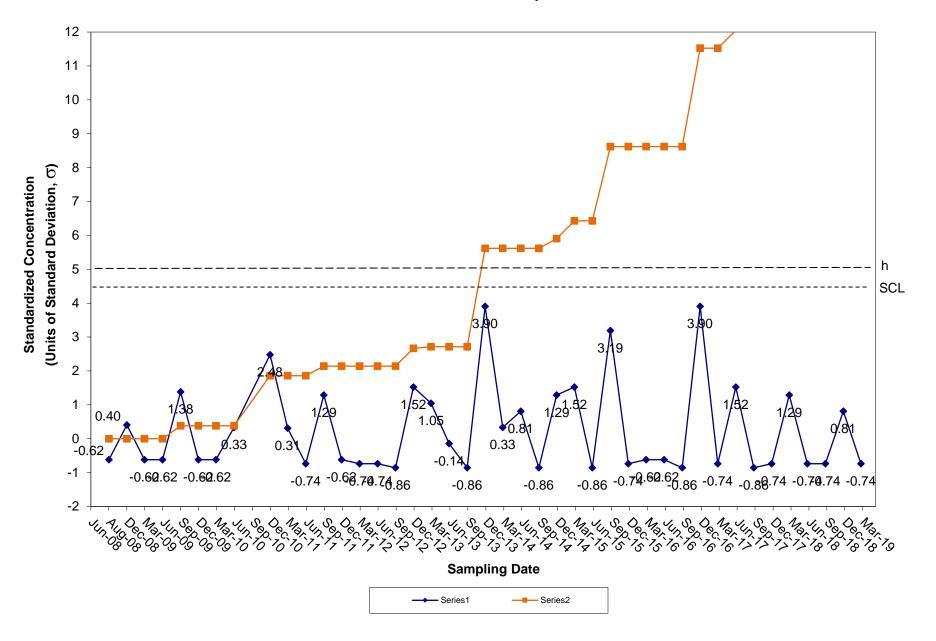
CUSUM Control Chart for Chromium Tiverton Landfill Groundwater Compliance Well OW-14



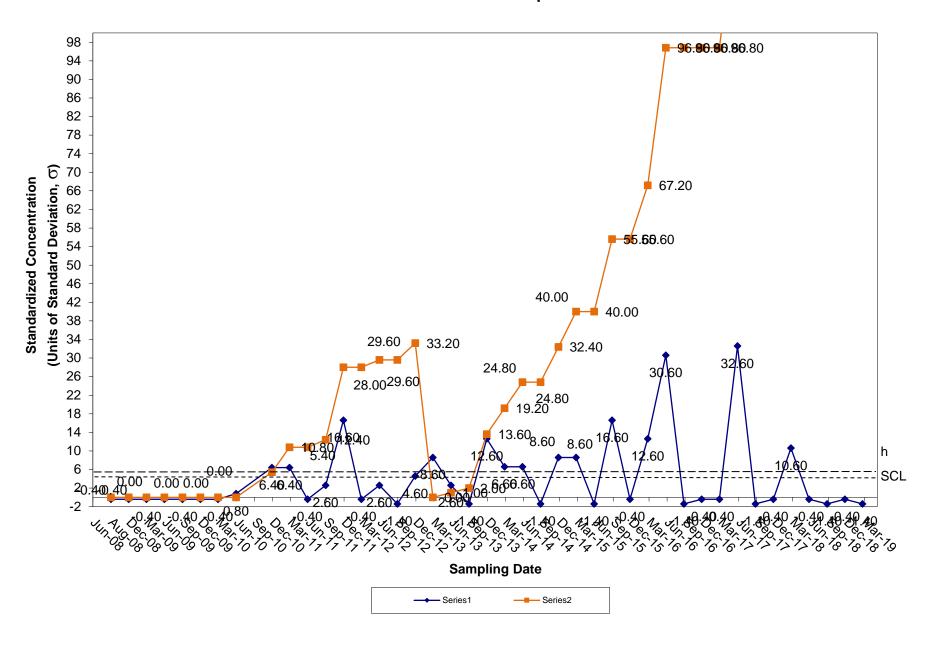
CUSUM Control Chart for Cobalt Tiverton Landfill Groundwater Compliance Well OW-14



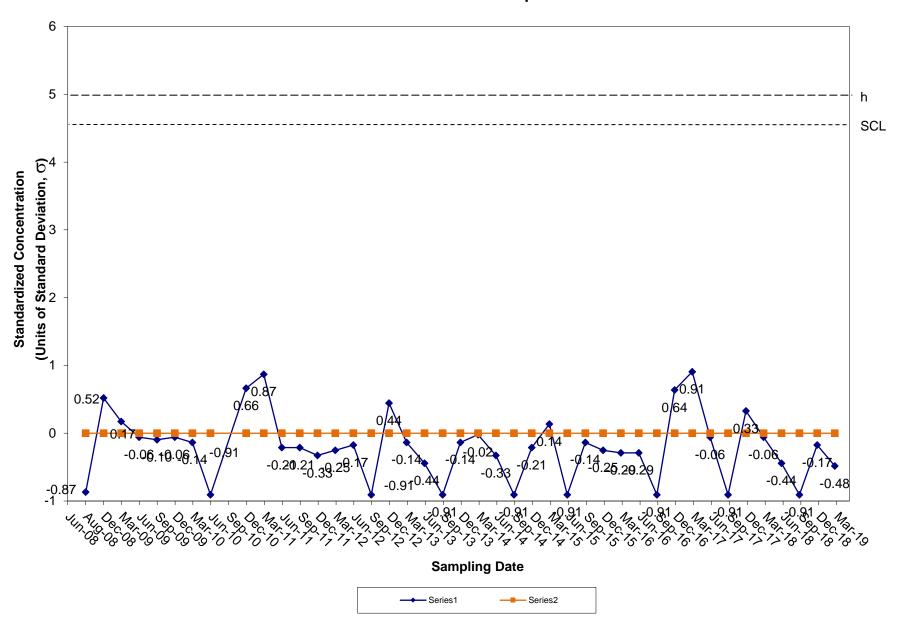
CUSUM Control Chart for Copper Tiverton Landfill Groundwater Compliance Well OW-14



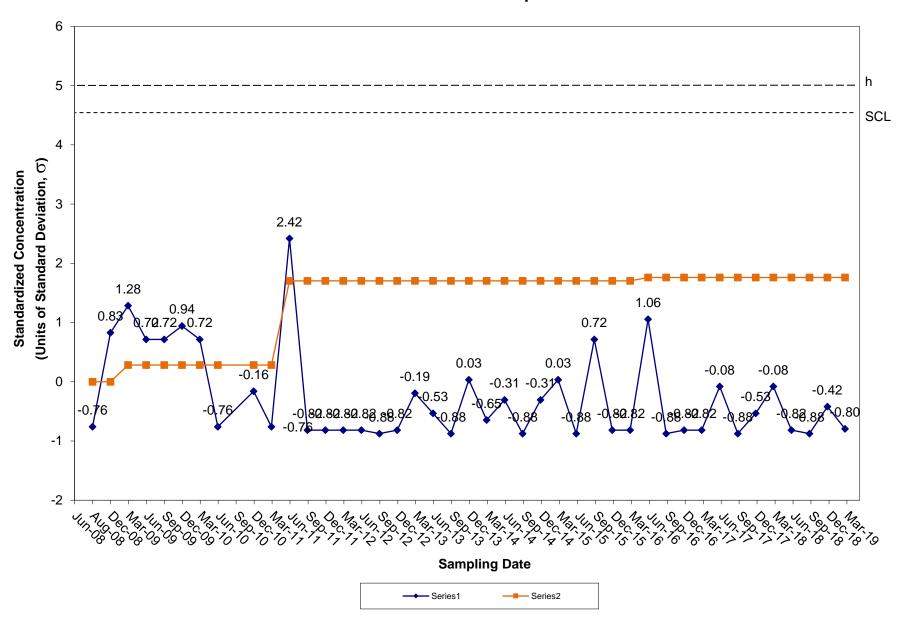
CUSUM Control Chart for Lead Tiverton Landfill Groundwater Compliance Well OW-14



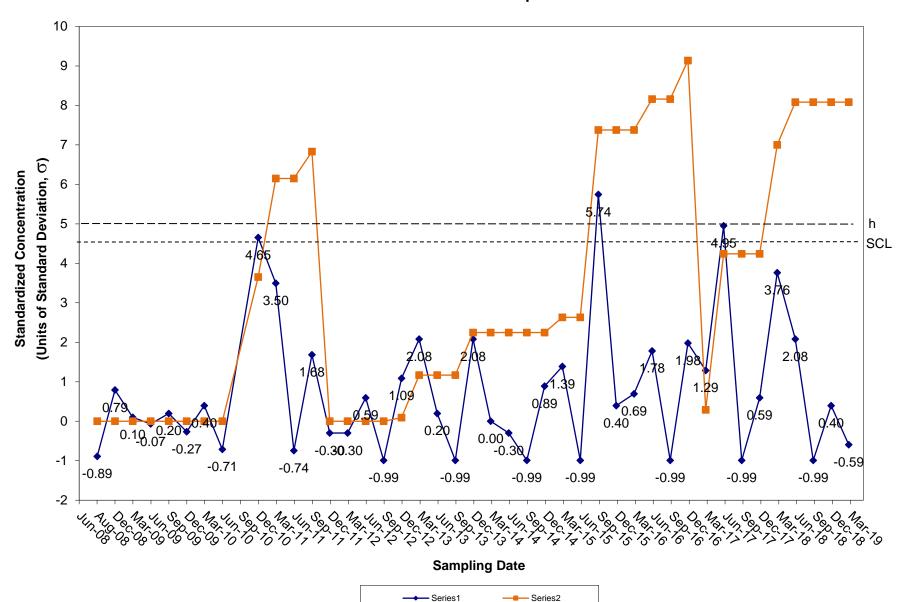
CUSUM Control Chart for Nickel Tiverton Landfill Groundwater Compliance Well OW-14



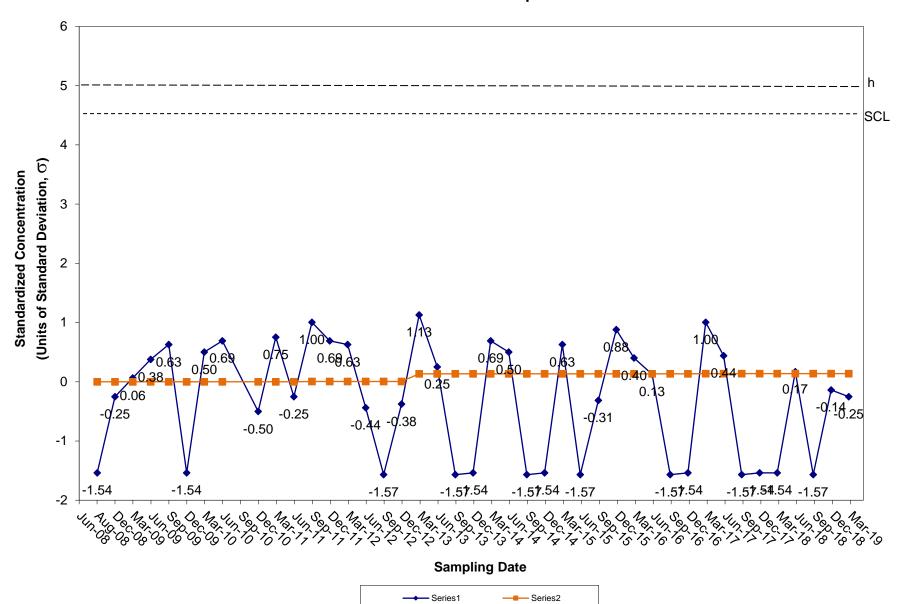
CUSUM Control Chart for Vanadium Tiverton Landfill Groundwater Compliance Well OW-14



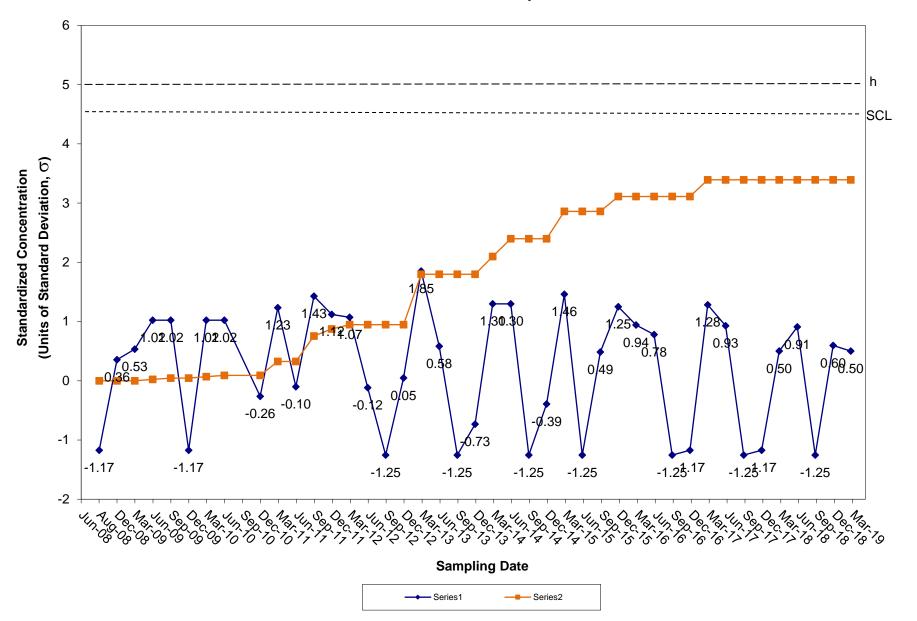
CUSUM Control Chart for Zinc Tiverton Landfill Groundwater Compliance Well OW-14



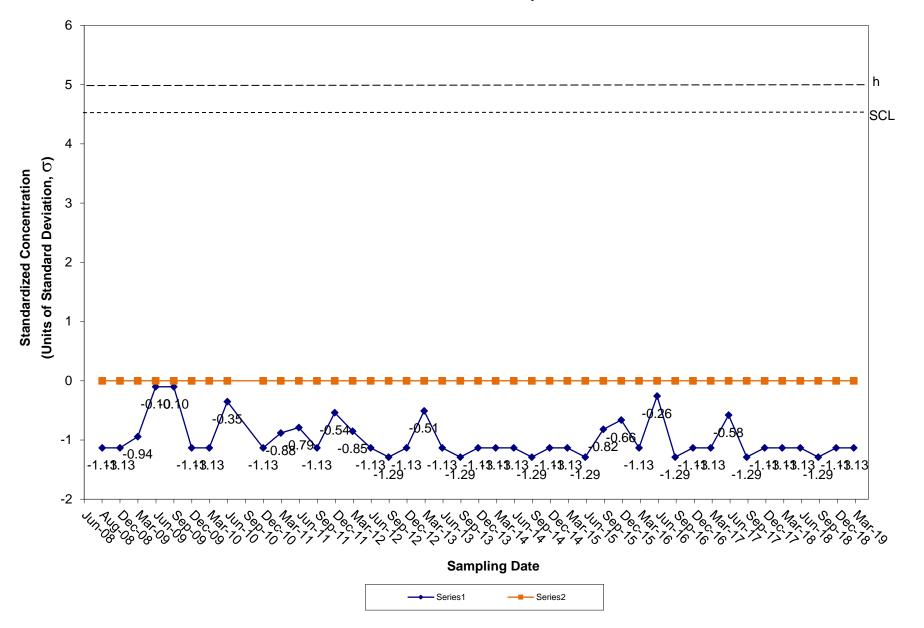
CUSUM Control Chart for Benzene Tiverton Landfill Groundwater Compliance Well OW-14



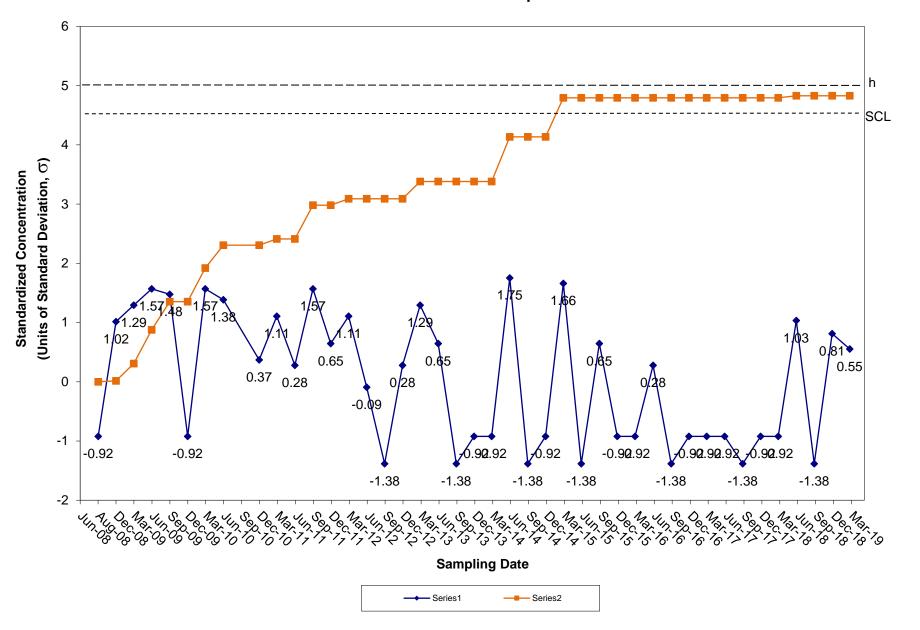
CUSUM Control Chart for Chlorobenzene Tiverton Landfill Groundwater Compliance Well OW-14



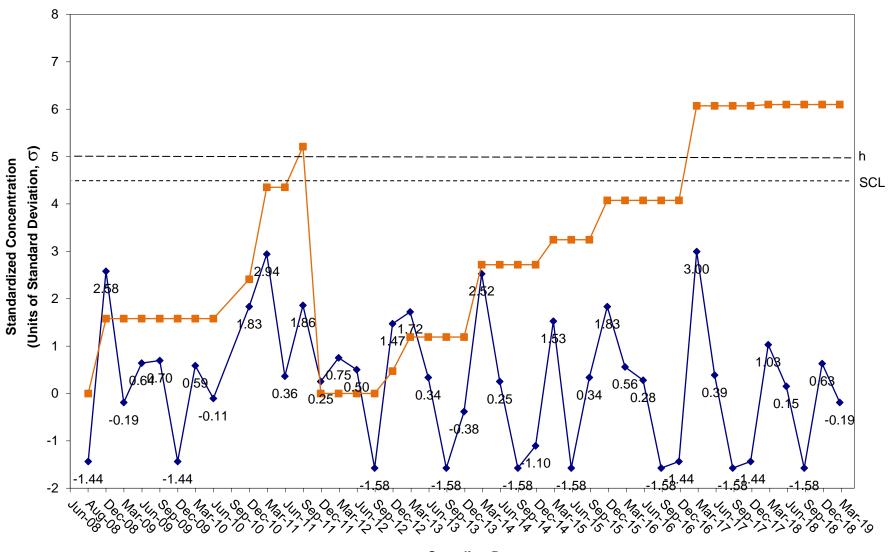
CUSUM Control Chart for Chloroethane Tiverton Landfill Groundwater Compliance Well OW-14



CUSUM Control Chart for 1,4-Dichlorobenzene Tiverton Landfill Groundwater Compliance Well OW-14



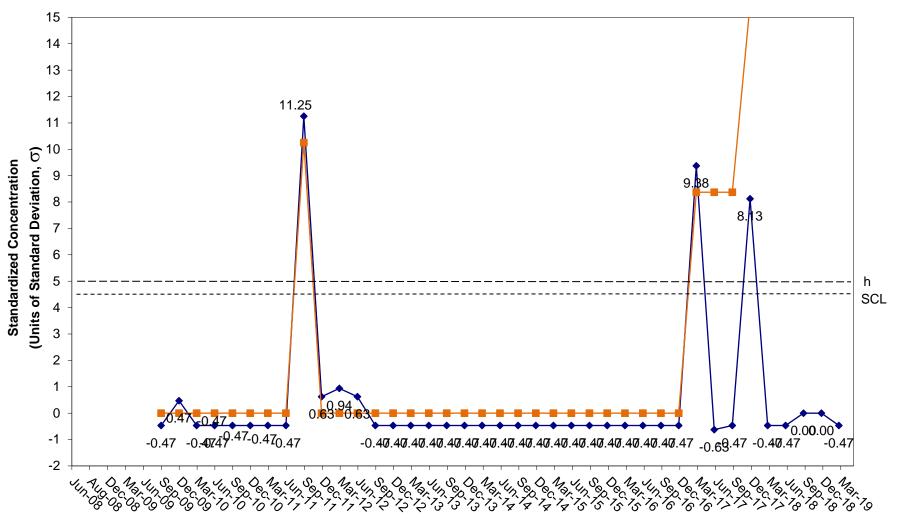
CUSUM Control Chart for MTBE Tiverton Landfill Groundwater Compliance Well OW-14



Sampling Date



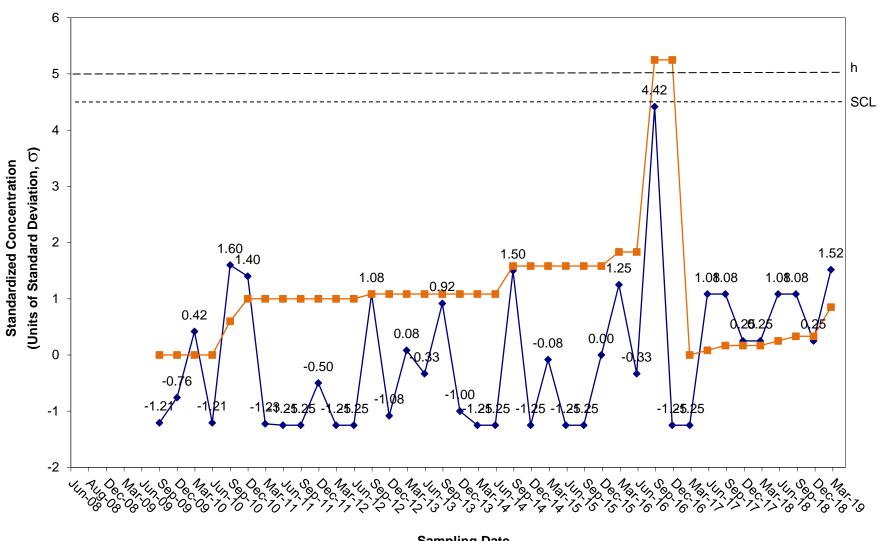
CUSUM Control Chart for Antimony Tiverton Landfill Groundwater Compliance Well OW-15



Sampling Date



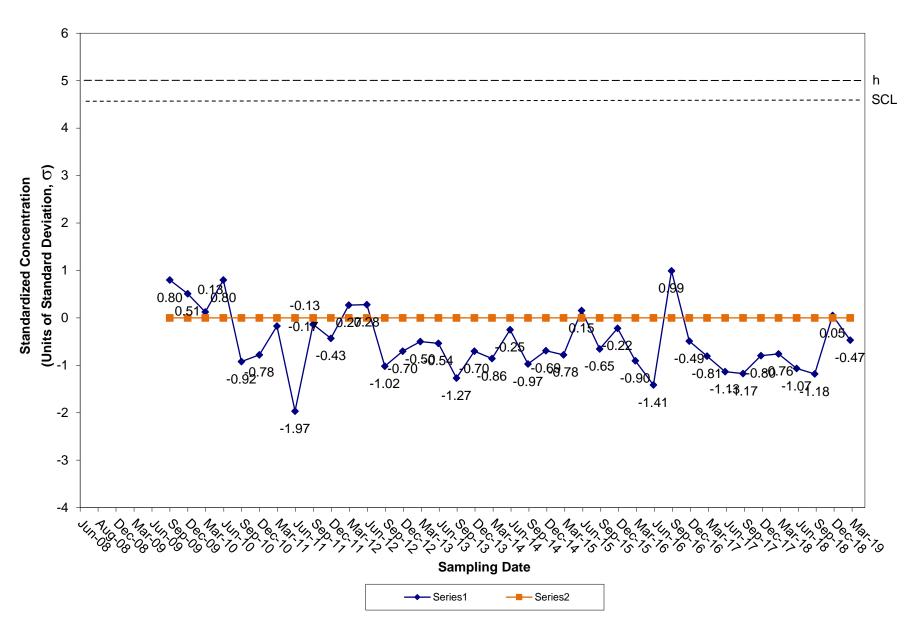
CUSUM Control Chart for Arsenic Tiverton Landfill Groundwater Compliance Well OW-15



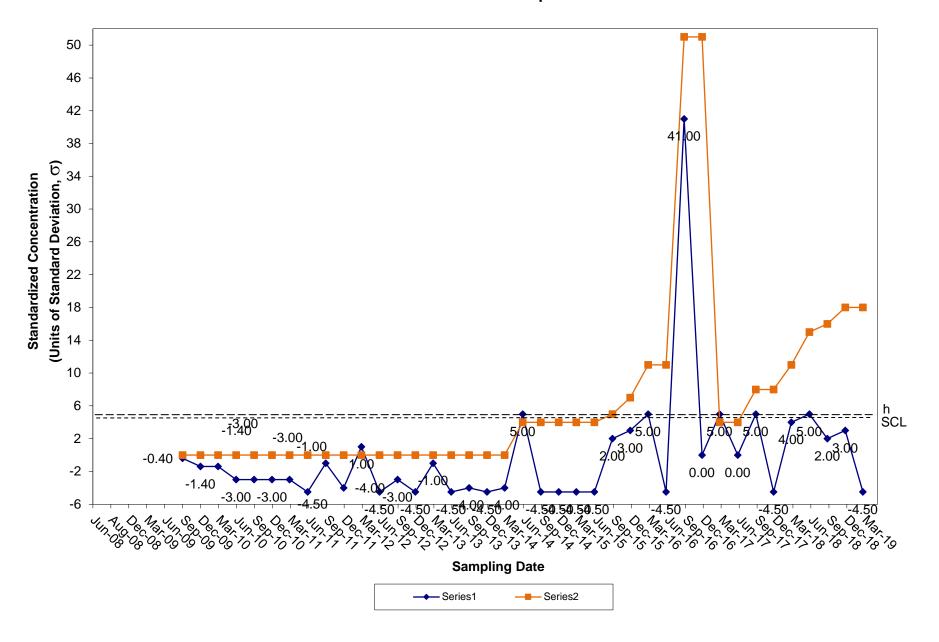
Sampling Date



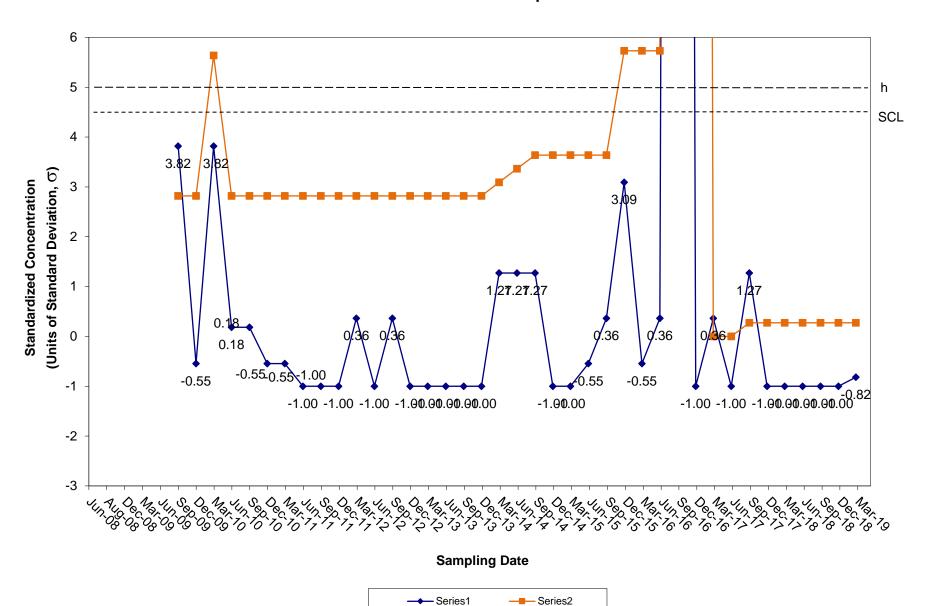
CUSUM Control Chart for Barium Tiverton Landfill Groundwater Compliance Well OW-15



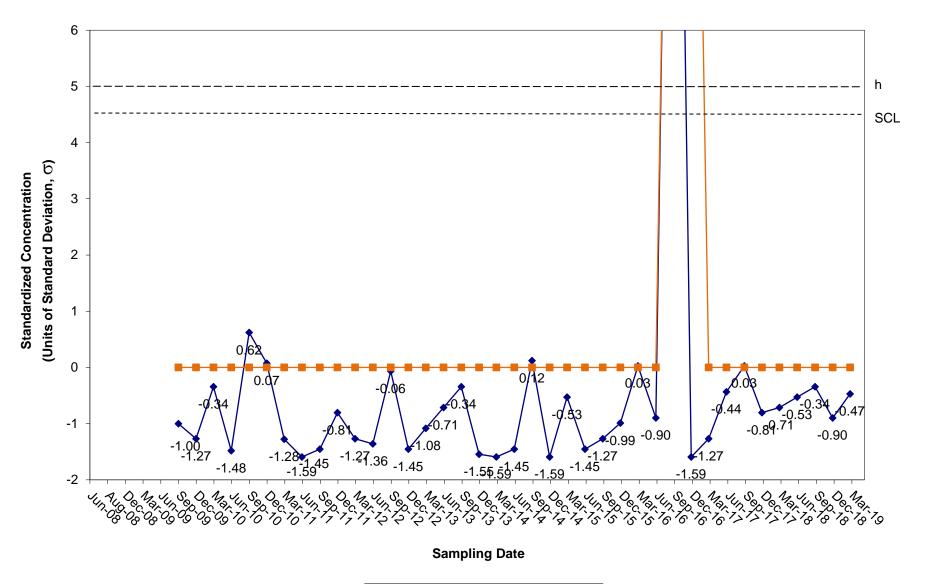
CUSUM Control Chart for Cadmium Tiverton Landfill Groundwater Compliance Well OW-15



CUSUM Control Chart for Chromium Tiverton Landfill Groundwater Compliance Well OW-15

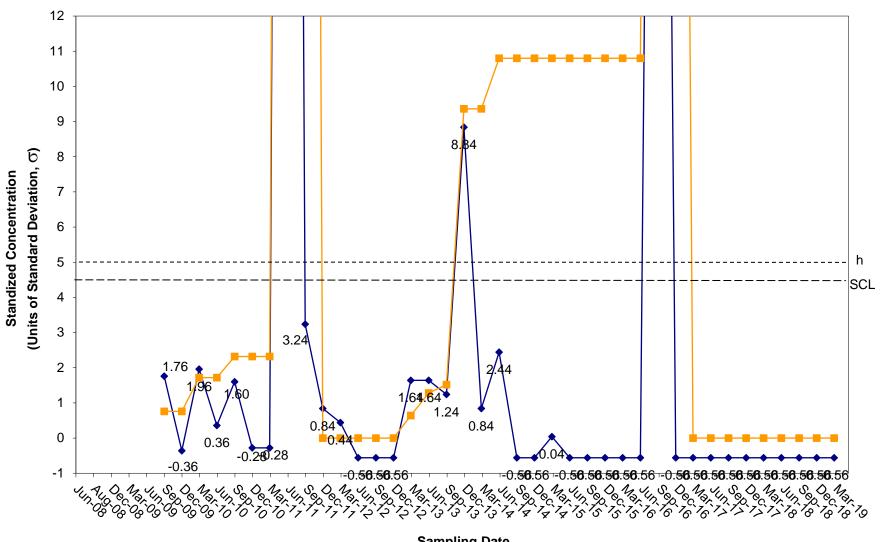


CUSUM Control Chart for Cobalt Tiverton Landfill Groundwater Compliance Well OW-15





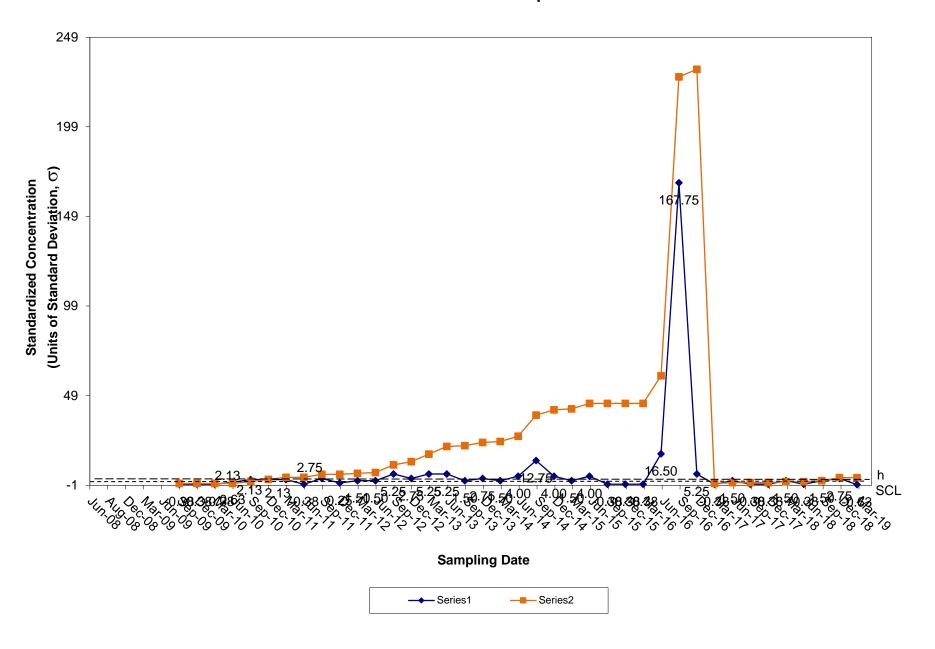
CUSUM Control Chart for Copper Tiverton Landfill Groundwater Complaince Well OW-15



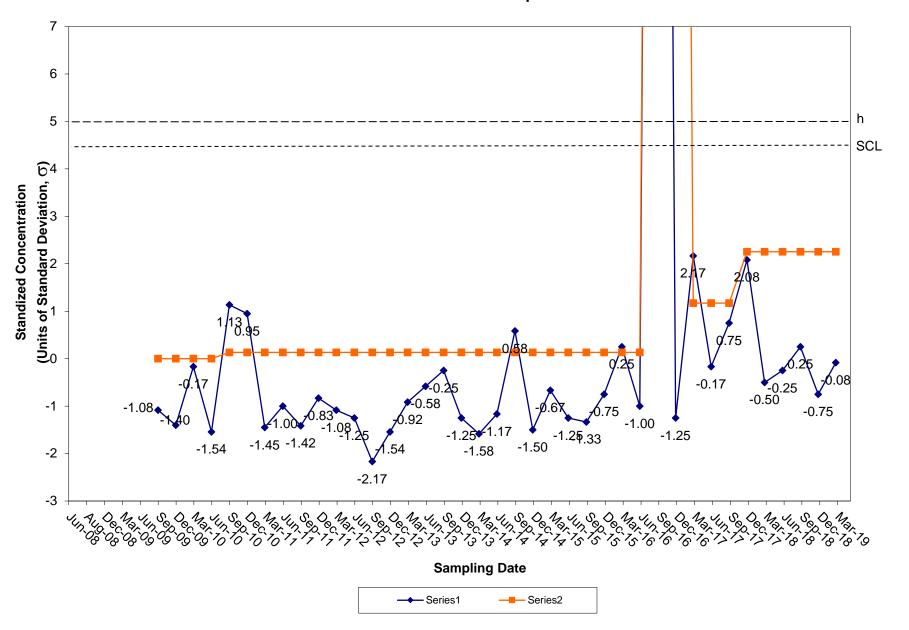
Sampling Date



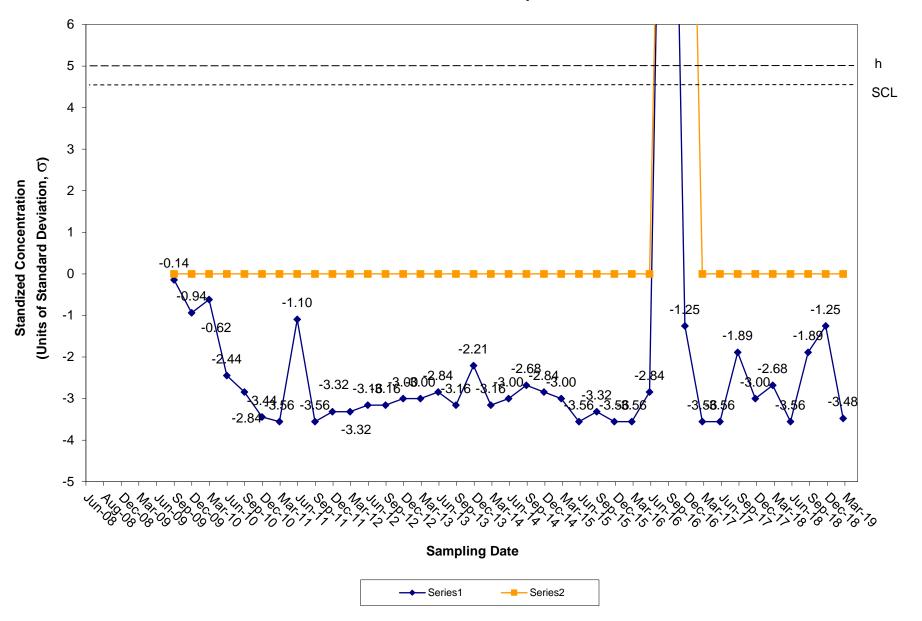
CUSUM Control Chart for Lead Tiverton Landfill Groundwater Compliance Well OW-15



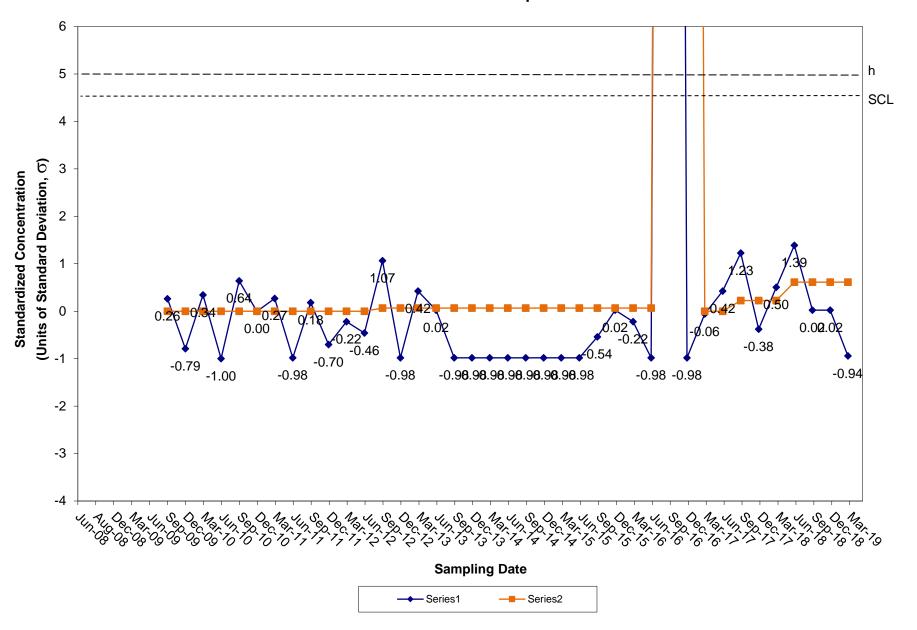
CUSUM Control Chart for Nickel Tiverton Landfill Groundwater Complaince Well OW-15



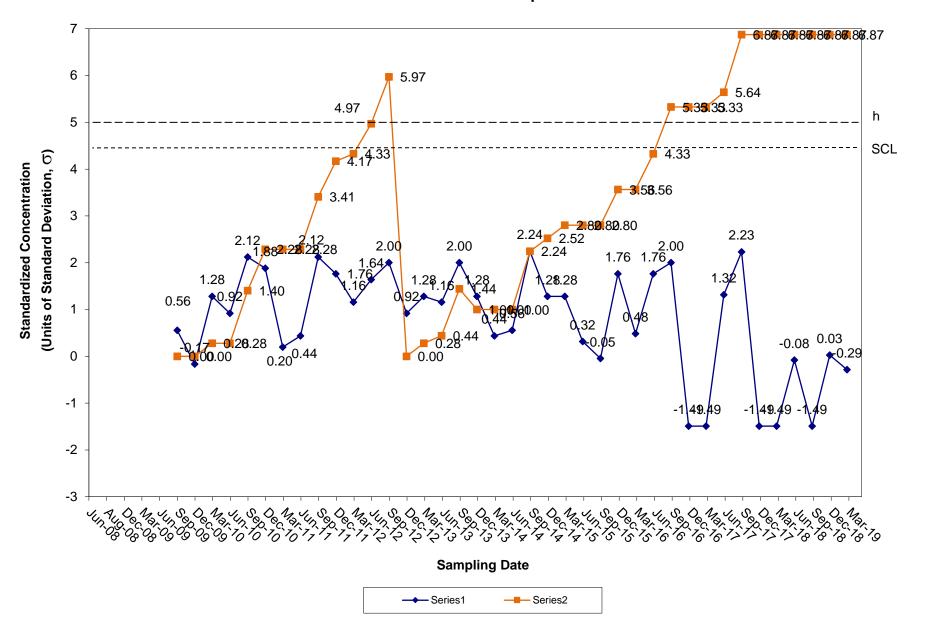
CUSUM Control Chart for Vanadium Tiverton Landfill Groundwater Complaince Well OW-15



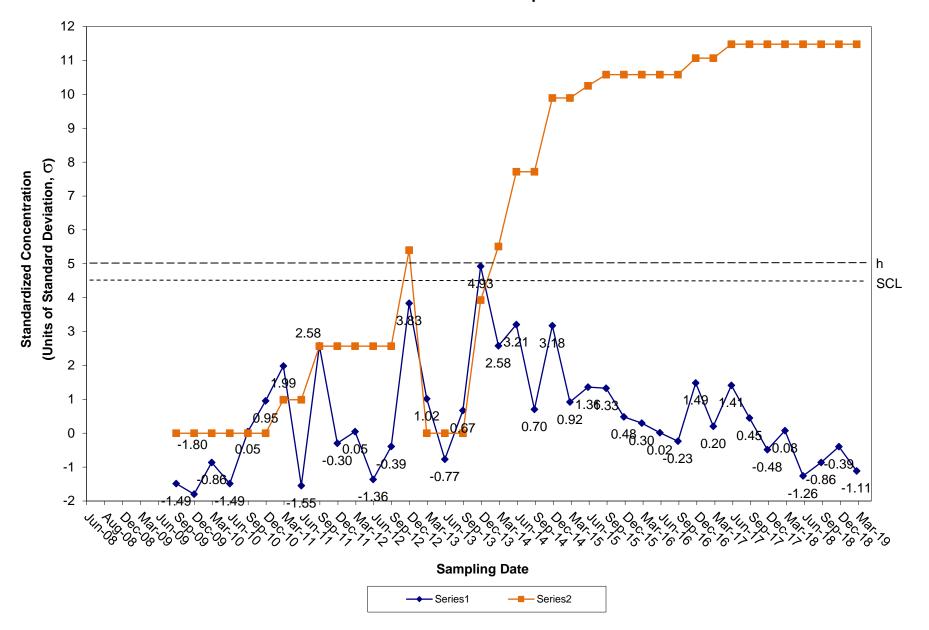
CUSUM Control Chart for Zinc Tiverton Landfill Groundwater Compliance Well OW-15



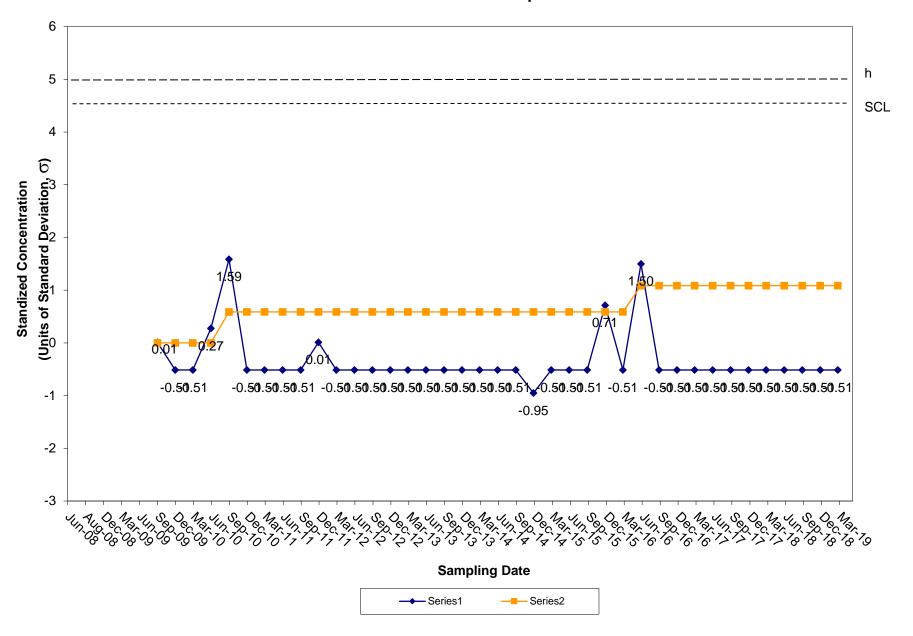
CUSUM Control Chart for Benzene Tiverton Landfill Groundwater Compliance Well OW-15



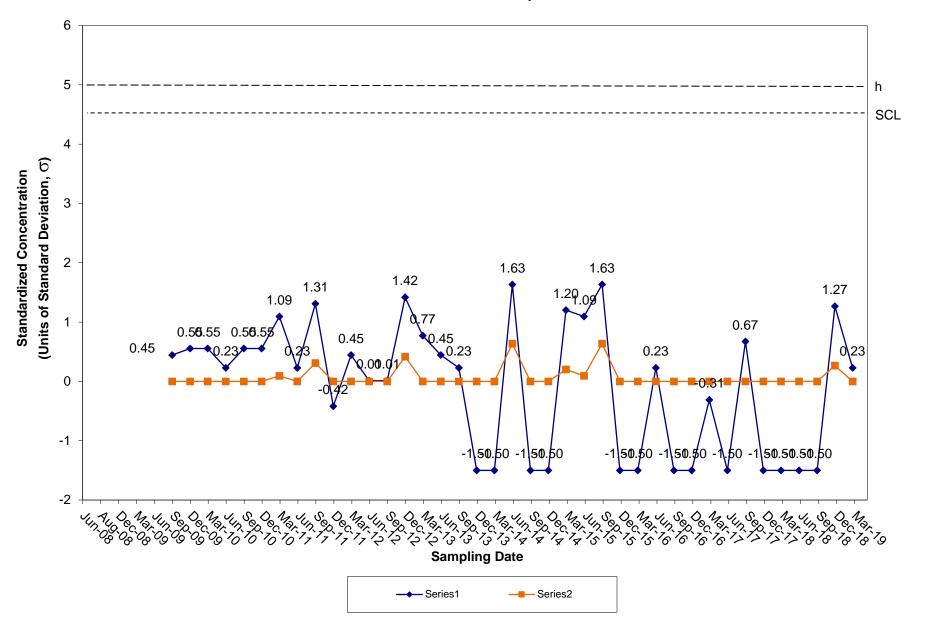
CUSUM Control Chart for Chlorobenzene Tiverton Landfill Groundwater Compliance Well OW-15



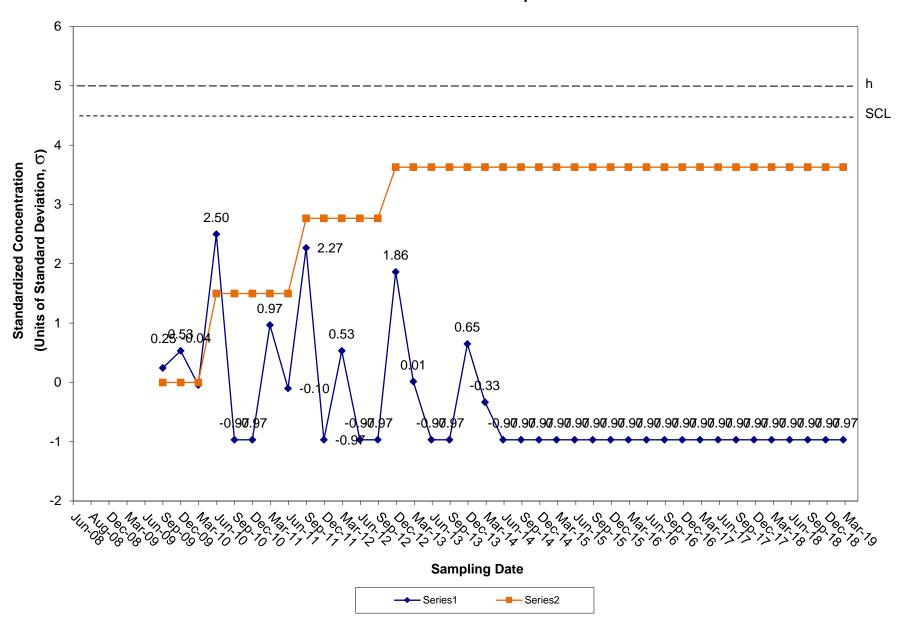
CUSUM Control Chart for Chloroethane Tiverton Landfill Groundwater Complaince Well OW-15



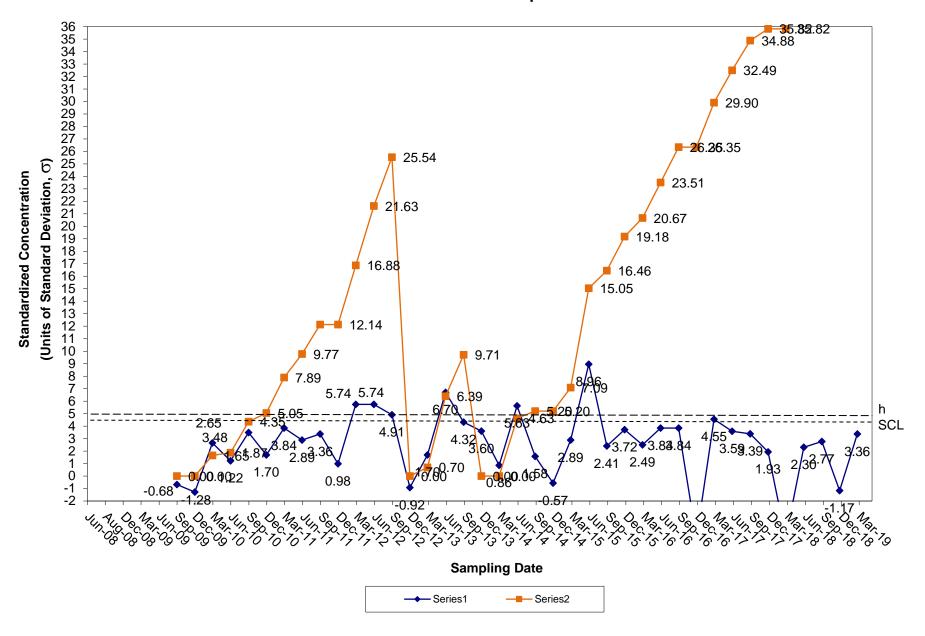
CUSUM Control Chart for 1,4-Dichlorobenzene Tiverton Landfill Groundwater Compliance Well OW-15



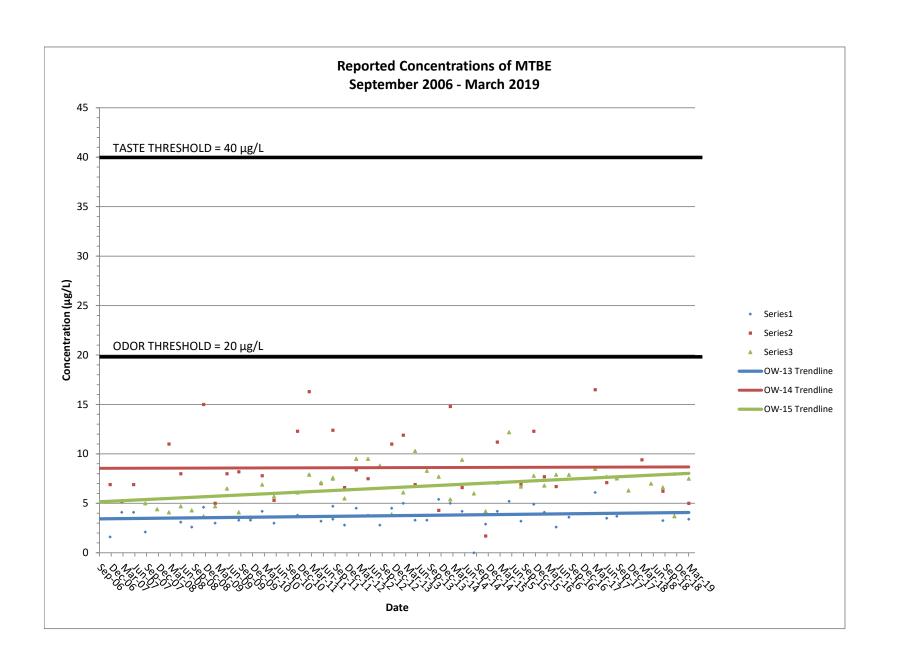
CUSUM Control Chart for Xylenes Tiverton Landfill Groundwater Compliance Well OW-15



CUSUM Control Chart for MTBE Tiverton Landfill Groundwater Compliance Well OW-15



<u>ATTACHMENT NO. 6</u> REPORTED CONCENTRATIONS OF MTBE FIGURE



ATTACHMENT NO. 7 FIELD SAMPLING DATA SHEETS

PROJECT NAME: TIVERTON LANDFILL DATE: 3/28/2019 PARE PROJECT NO.: Sunny 40s 94139.24 WEATHER: **FIELD TESTING RESULTS:** SURFACE WATER LOCATION: SW-1 **READING 1** pH: 6.71 pH UNITS SPEC. COND: 0.72 mS/cm $^{\circ}C$ TEMPERATURE: 5 SW-2 SURFACE WATER LOCATION: **READING 1** pH: 6.12 pH UNITS SPEC. COND: 0.26 mS/cm ٥С TEMPERATURE: 5.8 SURFACE WATER LOCATION: SW-3 **READING 1** pH UNITS pH: 6.13 SPEC. COND: 0.60 mS/cm ٥С TEMPERATURE: 6.2 NOTES: All surface water samples were clear with a brownish tinge.

PROJECT NAME: TIVERTON LANDFILL PARE PROJECT NO.: 94139.24	DATE: WEATHER:	3/28/2019 Sunny 40s			
WELL ID: OW-9	DIAMETER	(INCHES): 2			
PURGE DATA					
WELL DEPTH: PURGE VOLUME (GAL): PURGER TYPE: 16 feet 0.6 gallons Peristaltic pump	MEASURE POINT: PURGE RATE (GPM): ELAPSED TIME (MIN):	Top of Casing N/A N/A			
WATER LEVEL DATA					
DEPTH: 12.5 feet MEASURE POINT: Top of Casing	ELEVATION: DEVICE:	See Site Plan Water Level Indicator			
FIELD TESTING RESULTS					
READING 1	READING 2				
pH: 5.66 pH UNITS SPEC. COND: 0.145 mS/cm TEMPERATURE: 9.9 °C	5.67 0.143 9.8	pH UNITS mS/cm °C			
NOTES:					
Samples were noted as generally clear and low in turbidity based on visual inspections of samples.					
Samples were collected at 11:30 AM. Methane Reading (% LEL): 0					

PROJECT NAME: PARE PROJECT NO.:	TIVERTON LANDFILL 94139.24	DATE: WEATHER:	3/28/2019 Sunny 40s
WELL ID: OW-12	_	DIAMETER	(INCHES): 2
PURGE DATA			
WELL DEPTH: PURGE VOLUME (GAL): PURGER TYPE:	16.2 feet 1.30 gallons Peristaltic pump	MEASURE POINT: PURGE RATE (GPM): ELAPSED TIME (MIN):	Top of Casing 0.2 +/- 7 +/-
WATER LEVEL DATA			
DEPTH: MEASURE POINT:	2.3 feet Top of Casing	ELEVATION: DEVICE:	See Site Plan Water Level Indicator
FIELD TESTING RESULT	<u>S</u>		
	READING 1	READING 2	
pH: SPEC. COND: TEMPERATURE:	6.18 pH UNITS mS/cm 9.2 °C	6.18 0.536 9.1	pH UNITS _mS/cm _°C
NOTES:			
Samples were noted as ge	nerally clear and low in tur	bidity based on visual insp	ections of samples.
Samples were collected at	12:45 PM.		
Methane Reading (% LEL): 0			

PROJECT NAME: PARE PROJECT NO.:	TIVERTON LANDFILL 94139.24	DATE: WEATHER:	3/28/2019 Sunny 40s
WELL ID: OW-13	-	DIAMETER ((INCHES): 2
PURGE DATA			
WELL DEPTH: PURGE VOLUME (GAL): PURGER TYPE:	14.5 feet 1.80 gallons Peristaltic pump	MEASURE POINT: PURGE RATE (GPM): ELAPSED TIME (MIN):	Top of Casing 0.1 +/- 15 +/-
WATER LEVEL DATA			
DEPTH: MEASURE POINT:	3.8 feet Top of Casing	ELEVATION: DEVICE:	See Site Plan Water Level Indicator
FIELD TESTING RESULT	<u>S</u>		
	READING 1	READ	ING 2
pH: SPEC. COND: TEMPERATURE:	6.57 pH UNITS 1.480 mS/cm 7.6 °C	6.57 1.481 7.6	_pH UNITS _mS/cm _°C
NOTES:			
Samples were noted as ge	nerally clear and low in tur	bidity based on visual insp	ections of samples.
Samples were collected at	5:00 PM.		
Methane Reading (% LEL)	: 0		

PROJECT NAME: PARE PROJECT NO.:	TIVERTON LANDFILL 94139.24	DATE: WEATHER:	3/28/2019 Sunny 40s
WELL ID: OW-14	_	DIAMETER	(INCHES): 2
PURGE DATA			
WELL DEPTH: PURGE VOLUME (GAL): PURGER TYPE:	10.6 feet 1.2 gallons Peristaltic pump	MEASURE POINT: PURGE RATE (GPM): ELAPSED TIME (MIN):	Top of Casing N/A N/A
WATER LEVEL DATA			
DEPTH: MEASURE POINT:	3.6 feet Top of Casing	ELEVATION: DEVICE:	See Site Plan Water Level Indicator
FIELD TESTING RESULT	<u>S</u>		
	READING 1	READING 2	
pH: SPEC. COND: TEMPERATURE:	6.5 pH UNITS mS/cm 7.6 °C	6.5 2.046 7.6	_pH UNITS _mS/cm _°C
NOTES:			
Samples were noted as ge supernatant sampled after	•	•	ections of
Samples were collected at	3:45 PM.		
Methane Reading (% LEL)	: 0		

PROJECT NAME: PARE PROJECT NO.:	TIVERTON LANDFILL 94139.24	DATE: WEATHER:	3/28/2019 Sunny 40s
WELL ID: OW-15	_	DIAMETER	(INCHES): 2
PURGE DATA			
WELL DEPTH: PURGE VOLUME (GAL): PURGER TYPE:	16.8 feet 1.6 gallons Peristaltic pump	MEASURE POINT: PURGE RATE (GPM): ELAPSED TIME (MIN):	Top of Casing 0.1 +/- 15 +/-
WATER LEVEL DATA			
DEPTH: MEASURE POINT:	7 feet Top of Casing	ELEVATION: DEVICE:	See Site Plan Water Level Indicator
FIELD TESTING RESULT	<u>S</u>		
	READING 1	READ	ING 2
pH: SPEC. COND: TEMPERATURE:	6.61 pH UNITS 1.821 mS/cm 11.2 °C	6.60 1.806 11.0	_pH UNITS _mS/cm _°C
NOTES:			
Samples were noted as ge	nerally clear and low in tur	bidity based on visual insp	ections of samples.
Samples were collected at	4:30 PM.		
Methane Reading (% LEL): 44			

PROJECT NAME: PARE PROJECT NO.:	TIVERTON LANDFILL 94139.24	DATE: WEATHER:	3/28/2019 Sunny 40s
WELL ID: OW-7	_	DIAMETER ((INCHES): 2
PURGE DATA			
WELL DEPTH: PURGE VOLUME (GAL): PURGER TYPE:	11.8 feet 2.0 gallons Peristaltic pump	MEASURE POINT: PURGE RATE (GPM): ELAPSED TIME (MIN):	Top of Casing 0.1 +/- 15 +/-
WATER LEVEL DATA			
DEPTH: MEASURE POINT:	0 feet Top of Casing	ELEVATION: DEVICE:	See Site Plan Water Level Indicator
FIELD TESTING RESULT	<u>S</u>		
	READING 1	READING 2	
pH: SPEC. COND: TEMPERATURE:	6.49 pH UNITS 1.023 mS/cm 8.2 °C	6.49 1.026 8.3	pH UNITS mS/cm °C
NOTES:			
Samples were noted as ge	nerally clear and low in turb	oidity based on visual insp	ections of samples.
Samples were collected at	2:30 PM.		
Methane Reading (% LEL)	: 0		

PROJECT NAM PARE PROJEC		TIVERTON LANDFILL 94139.24	DATE: WEATHER:	3/28/2019 Sunny 40s
WELL ID:	OW-16	_	DIAMETER	(INCHES): 2
PURGE DATA				
WELL DEPTH:		45.8feet	MEASURE POINT:	Top of Casing
PURGE VOLUI PURGER TYPI	` ,	7.3 gallons Peristaltic pump	PURGE RATE (GPM): ELAPSED TIME (MIN):	0.3 +/- 20 +/-
FUNGER ITF		renstante pump	ELAFSED TIME (MIN).	20 +/-
WATER LEVE	_DATA			
DEPTH:		1.3feet	ELEVATION:	See Site Plan
MEASURE PO	INT:	Top of Casing	DEVICE:	Water Level Indicator
FIELD TESTIN	<u>G RESULT</u>	<u>S</u>		
		READING 1	READING 2	
pH:		6.58 pH UNITS	6.57	pH UNITS
SPEC. COND:		1.262 mS/cm	1.251	mS/cm
TEMPERATUR	RE:	11.8°C	12.0	_°C
NOTES:				
Samples were	noted as ge	enerally clear and low in tu	rbidity based on visual insp	pections of samples.
Samples were	collected at	3:00 PM.		
Methane Readi	ng (% LEL)	: 0		