From:	Dan Figac
To:	IDEM OLQ Solid Waste Permits Submittals
Cc:	Fracetti, Juliana; Ellen O"Neil; Mickey, Jeremiah; Steve Reuter; IDEM Permits Geology Electronic Data File; Matt Overbeck
Subject:	Uniontown Sanitary Landfill FP# 36-03 2024-07-02
Date:	Tuesday, July 2, 2024 3:11:33 PM
Attachments:	Outlook-Inline ima.png Uniontown Sanitary Landfill FP 36-03 Annual GW Report 2024-07-02.pdf UT_IDEM_202405.txt

Good afternoon, Ms. Fracetti:

A PDF of the monitoring report and a file of the data for the May ground water monitoring at Uniontown Landfill are attached.

Let us know if you have any questions or comments.

Thank you

Dan Figac
Geologist

SESCO Group
5154 E 65th St
Indianapolis, IN 46220
sescogroup.com

Dan's Cell: 317-523-4753

RUMPKE
Waste & Recycling Services

3990 Generation Drive, Cincinnati, OH 45251
Phone: 1–800–828–8171 Fax: 513–851–2057

July 2, 2024

Ms. Juliana Fracetti
Permits Branch, Office of Land Quality
Indiana Dept. of Environmental Management
100 North Senate Avenue
MC 65-45 IGCN 1101
Indianapolis, Indiana 46204-2251

RE: Rumpke of Indiana, LLC
Uniontown Sanitary Landfill, FP 36-3
Jackson County, Indiana
May 2024 Ground Water Annual Data with Evaluation

Dear Ms. Fracetti:

On behalf of Rumpke of Indiana, LLC (Rumpke), SESCO Group (SESCO) conducted a ground water sampling event at the above referenced facility from May 7 through May 10, 2024. The sampling was conducted per 329 IAC 2-16-2 and to provide data related to the monitored natural attenuation.

SESCO performed an evaluation of the data and prepared the enclosed report which provides documentation of the event, including the laboratory analytical reports, the *Field Logs*, and *Potentiometric Surface Maps* for water-bearing Units I and II. Based on recent directives from IDEM, only an electronic (.pdf file) is being submitted to IDEM OLQ Solid Waste Permits Submittals (SolidWasteSubmittals@idem.in.gov). If a hard copy is needed, please let us know. A copy of the laboratory and field data (.txt file) from the monitoring event is also being transmitted electronically to IDEM (at geologydata@idem.in.gov), as provided in a memorandum dated October 18, 1999, from IDEM.

If you have any questions or need additional information, please contact us at (513) 851-0122 extension 7787 or Matt.Overbeck@rumpke.com..

Sincerely,

RUMPKE OF INDIANA, LLC.

Matt Overbeck

Matt Overbeck
Geologist

Enclosure

cc: Chris Jaquet, Rumpke Engineering and Landfill Operations Director
Dan Figac, SESCO Group
EEAD Uniontown File: G.1 (e-copy)

SESCO group

Environmental Solutions

July 2, 2024

Mr. Matt Overbeck
Rumpke of Indiana, LLC
3990 Generation Dr
Cincinnati, OH 45251

Re: May 2024 Ground Water Annual Data with Evaluation
Uniontown Sanitary Landfill, Jackson County, Indiana
IDEM Solid Waste Permit # 36-03

Dear Mr. Overbeck:

On behalf of Rumpke of Indiana, SESCO Group (SESCO) herein submits a report for ground water monitoring conducted at the Uniontown Sanitary Landfill in conformance with 329 IAC 2-16-2. The ground water monitoring was conducted in accordance with the facility's *Groundwater and Surface Water Sampling and Analysis Plan* (SAP). The enclosed report provides full documentation of the monitoring.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that I am authorized to submit this information.

If you have any questions, or need additional information in this matter, feel free to contact me at (317) 347-9590.

Sincerely,
SESCO Group

Daniel Z Figac, GIT
Project Manager

Enclosure: May 2024 Ground Water Annual Data with Evaluation; Uniontown Sanitary Landfill, Jackson County, Indiana

Ground Water Annual Data with Evaluation, May 2024

Uniontown Sanitary Landfill
3512 South US Highway 31
Crothersville, IN 47229
Jackson County
FP# 36-03

Prepared for:

RUMPKE OF INDIANA, LLC.

July 2024

Prepared by:

SESCO group
Environmental Solutions
5154 E 65th Street
Indianapolis, Indiana 46220

SESCO PROJECT #4381

GROUND WATER ANNUAL DATA with EVALUATION, MAY 2024
UNIONTOWN SANITARY LANDFILL, JACKSON COUNTY, IN

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FIGURES

TABLES

APPENDICES

1.0 INTRODUCTION

A ground water sampling event was conducted May 7 through May 10, 2024, at the Uniontown Sanitary Landfill, Jackson County, Indiana, (FP 36-3) by SESCO Group.

The site is a closed municipal solid waste disposal facility with a landfill footprint of approximately 45 acres. The entire property is a total of approximately 260 acres. The site has been in compliance monitoring according to 329 IAC 2-16-2, the regulation in force at the time of landfill closure (repealed 1996). A Presumptive Remedy Report, dated February 15, 2002, was conditionally accepted by IDEM in letters dated March 20 and 26, 2002.

By letter dated March 9, 2006, Rumpke requested that the months for semi-annual ground water sampling at the site be changed to May and November. On April 18, 2006, Mr. David Becka of IDEM indicated that it was acceptable for the site to sample according to the revised schedule.

The post-closure period for the site ended on December 15, 2008. In response to the end of the post-closure period, an evaluation was conducted of an appropriate monitoring program. In March 2009, a request ("Post Post-Closure Monitoring Reduction Request") was submitted to IDEM with supporting documentation that justified modifying the ground water monitoring program as follows:

- discontinue routine monitoring at nineteen (19) of the forty (40) monitoring wells in the routine ground water monitoring program.
- modify the constituents being monitored.
- utilize an annual frequency for the routine monitoring; and
- discontinue statistical analyses of the ground water data (see below regarding the status of these requests).

In a telephone conversation on April 24, 2009, Mr. Ron Fischer of IDEM stated that the site could be sampled in May 2009 according to the program stated in the March 2009 request.

Subsequent to the May 2009 sampling event, IDEM issued a letter dated November 20, 2009. In the noted letter, IDEM agreed with the March 2009 request with the exception of requesting that monitoring not be discontinued at seven (7) of the proposed wells and also requesting that statistical analyses not be discontinued. Under the resulting program, monitoring at site wells is grouped into background monitoring (2 wells), detection monitoring (17 wells), compliance monitoring (7 wells), and source control (2 wells). The monitoring wells within the above designations are shown in **Table 2**. Wells are monitored on a routine basis for analytical parameters as listed in **Table 3**. The volatile organic compound (VOC) parameter list is consistent with that which has been utilized at the site since late 1999.

A summary of routine field activities is provided in **Section 2.0**. Potentiometric surface maps are described in **Section 3.0**, details of ground water quality and quality

assurance/quality control are included in **Section 4.0,** and a discussion of remedy progress is included in **Section 5.0**.

2.0 FIELD SAMPLING SUMMARY

Samples were collected according to the procedures and protocols outlined in the facility's *Ground Water Sampling and Analysis Plan* (SAP), as revised June 14, 2017. The SAP was approved by letter from IDEM dated September 7, 2017.

Information on purging and sampling at each monitoring well is provided in **Table 1**. All required monitoring wells were sampled for the current event.

QA/QC samples were collected in the field as summarized in **Table 1**. A field replicate (or duplicate) was collected for every batch of ten (10) samples and fraction thereof. A matrix spike/matrix spike duplicate (MS/MSD) was collected for every batch of 20 samples and fraction thereof. Field, filter, probe, and trip blanks were also obtained as listed in **Table 1**.

3.0 POTENTIOMETRIC SURFACE MAPS

Water level measurements were obtained from 52 monitoring wells or piezometers for the current event. Water level measurements were not obtained from the piezometers A-9 (inaccessible), and GMW-5 (damaged). Ground water measurements and resulting ground water elevations are provided in **Table 4**.

Figures 1 and **2** show potentiometric surface maps for the May 2024 sampling event for water-bearing Units II (shallow unit) and I (deep unit), respectively. Both maps generally show ground water flow from the east toward the west, northwest and southwest, which is consistent with historical directions. This movement is also consistent with topography in the area and the location of streams to the west (Bedel Ditch) and to the south (Grassy Creek). Steeper hydraulic gradients are present as ground water approaches the discharge location along Bedel Ditch west of the site, as would be expected.

Figures 3 and **4** provide hydrographs for select monitoring wells in Units I and II, respectively. The selected wells reflect the furthest upgradient and downgradient boundaries of the site. The relative and absolute ground water elevations for these wells reflect historical data.

4.0 ANALYTICAL DATA

4.1 Ground Water Quality Results

Statistical analysis was conducted for the detection monitoring wells utilizing interwell prediction limits as provided in the May 2002 Ground Water Statistical Evaluation Plan (StEP). Monitoring wells utilized for the pooled upgradient set of data include UMW-10S, UMW-10D, UMW-4D, EX-4S, and EX-4D. Although UMW-4D, EX-4S and EX-4D are no longer sampled, their historical values are included in the upgradient pooled dataset. The most recent data from the background wells was included in the background dataset after a review to determine that VOCs were not present, as provided in the StEP. A description of the statistical method employed is provided in the May 2002 StEP.

Results of the statistical analyses conducted for the detection monitoring wells are provided in **Appendix 4** of this ground water monitoring report. **Appendix 4**, **Table 2,** presents the current downgradient monitoring data with the statistical exceedances noted. **Appendix 4**, **Table 5,** presents the calculated prediction limits for the required inorganic parameters. Charts for those results exhibiting significant differences from background are included in **Appendix 4**.

Also included in **Appendix 4** is a chart of false positive and negative rates for the statistical program. The false positive rate was evaluated as required by the StEP. A pass 1 of 1 verification program exhibited a false positive rate of less than 1%. Based on the StEP requirements, a pass 1 of 1 verification program was utilized for the statistical analyses.

There were verified statistical exceedances for the current event for dissolved iron at A-12S, A-13, P-2D, UMW-6D, and UMW-8R, dissolved manganese at A-12S, A-13, UMW-5SR, and UMW-8R, and sulfate at A-13. There were unverified statistical exceedances for the current event for Specific Conductance at UMW-5SR. There are no primary drinking water standards for these parameters. The increased sulfate at A-13 may reflect oxidation of sulfides due to improving conditions and is based on previous events.

As noted on page 2-52 of the February 2002 Presumptive Remedy Report for the site, Iron (II) concentrations in the ground water indicate the possibility of chlorinated solvent degradation. Dissolved iron concentrations generally reflect Iron (II). Similarly, dissolved manganese reflects the potential for solvent degradation. Therefore, the dissolved iron and manganese concentrations provide supportive evidence that natural attenuation is occurring at the site.

Detected VOCs for the May 2024 event are listed in **Table 5**. Time series graphs for nine (9) VOCs are provided in **Appendix 5** for each of the monitoring wells. With the exception of benzene, the time series graphs include all of the VOCs that have been confirmed above standards since 2006, plus major constituents in the reductive degradation pathways. The RISC residential standards are shown on the time series graphs. Exceedances of the RISC standards for the compliance and detection wells during the

2024 sampling event are listed in **Table 6**.

4.2 QA/QC Analysis

This section summarizes the results of QA/QC analyses. For the May sampling event, the probe, field, and trip blanks were all analyzed only for VOCs, and the filter blanks were analyzed only for dissolved metals. There were no detections in the blanks for this event. The probe and field blanks were prepared near A-13.

Additional information on laboratory QA/QC is provided in the laboratory reports.

5.0 REMEDY PROGRESS

The Uniontown site is in assessment and monitored natural attenuation through a conditionally approved Presumptive Remedy Report (Ensafe, 2002), which includes ground water use agreements. An array of gas vents was installed by Rumpke in December 2001 along the eastern toe of the fill area to intercept landfill gas migrating toward the eastern property boundary. Gas wells were completed along the top of the landfill perimeter in December of 2002. A review of the progress of attenuation at the site was included in a report submitted by letter dated February 7, 2006.

Recent investigations of remediation at the site have been conducted and described in the monitoring reports for the 2011 and 2012 annual sampling events and in a report dated February 23, 2012. A meeting was held with IDEM on August 16, 2012, to discuss the site. Iso-concentration mapping over time was presented at the meeting. Further information was requested by IDEM in a letter dated October 3, 2012. A response to the IDEM letter was submitted to IDEM by letter dated December 6, 2012. IDEM's review of the noted response was contained in a letter dated February 11, 2013, concluding that the site's monitoring system was adequate for detecting TCE in the ground water and that there was no indication of free product of DNAPLs beneath the landfill. IDEM's letter requested that an annual update be submitted to demonstrate the effectiveness of the remedial measures and that the update include iso-concentration maps for TCE and vinyl chloride in each of the monitoring zones.

The requested iso-concentration mapping is provided as **Figures 5** through **8** of this report. As a point of comparison, iso-concentration mapping for December 2001 and May 2012 for TCE, and May 2012 for vinyl chloride, are provided in **Appendix 6**. Comparing the TCE concentrations from the different time periods demonstrates a significant improvement in both the shallow and deep zones. A-12S did have TCE above the TAP screening level in the shallow zone during May 2024 (27.8ppb/5ppb), but this is lower than historical concentrations.

APPENDIX 1

SUMMARY OF SITE HYDROGEOLOGY

APPENDIX 2

GROUND WATER SAMPLING FIELD LOGS

APPENDIX 3

GROUND WATER ANALYTICAL REPORT(S)

APPENDIX 4

DUMPSTAT STATISTICAL OUTPUT

APPENDIX 5

DUMPSTAT TIME SERIES PLOTS

APPENDIX 6

PAST ISO-CONCENTRATION MAPPING

RUMPKE OF INDIANA, LLC
UNIONTOWN SANITARY LANDFILL
256.396 +/- ACRES

SCALE IN FEET
0 250 500
1" = 500'- 0"

CO. RD. 1025 EAST

EAST ARM BEDEL DITCH

CO. RD. 1050 EAST

U.S. HIGHWAY 31

SHOP BUILDING

ENTRANCE GATE

HEAVY FOLIAGE

HEAVY WEEDS

540

544

548

552

EX-7 (543.92)

EX-8 (543.98)

UGP-2 (537.64)

BM2

UMW-8R (543.01)

UGP-7 (542.90)

EX-1S (543.27)

A-14S (543.63)

GMW-6 (543.29)

UGP-10 (543.10)

GMW-11 (543.41)

UGP-11 (543.12)

UGP-12 (NM)

A-6 (NM)

UGP-13 (543.46)

UGP-14 (NM)

UGP-15 (542.99)

UMW-9 (541.76)

A-15S (543.21)

GMW-10 (543.36)

UGP-16 (542.15)

GMW-4 (542.40)

A-13 (545.12)

UGP-22 (559.87)

UGP-20 (554.91)

A-12S (544.37)

UMW-4S (555.29)

BM1

INDICATED AS "DRY" DUE TO ELEVATED CLAY, FROM A PRESUMPTIVE REMEDY REPORT DATED 02-15-2002.

LEGEND

- MONITORING WELL & LOCATION OF UNIT II SAMPLING (SHALLOW)
- BENCHMARK
- FACILITY PROPERTY BOUNDARY
- MSW LANDFILL BOUNDARY
- EXISTING CONTOUR LINE
- FINAL GRADE (580)
- STREAM / BODY OF WATER
- TREE / TREE LINE
- FENCE
- (100.00) GROUNDWATER ELEVATION
- (NM) NOT MEASURED
- CONTOUR LINE, FEET ABOVE MSL (CONTOUR INTERVAL 4 FT)
- CONTOUR LINE WHERE INFERRED
- GROUNDWATER FLOW DIRECTION

SESCO group

POTENTIOMETRIC SURFACE MAP
UNIT II (SHALLOW)
MAY 2024

UNIONTOWN SANITARY LANDFILL
JACKSON COUNTY
UNIONTOWN, INDIANA 47229

DRAWN BY: SWB	DATE: 06-17-2024	PROJECT # 4381	FIGURE # 1
REVIEWED BY: DZF			

NOTE: 1. EXISTING TOPOGRAPHY DEVELOPED FROM AN AERIAL SURVEY DATED 09-23-98 BY ACCU-AIR SURVEYS, INC.

RUMPKE OF INDIANA, LLC
UNIONTOWN SANITARY LANDFILL
256.396 +/- ACRES

SCALE IN FEET
0 250 500
1" = 500'- 0"

CO. RD. 1025 EAST

EAST ARM BEDEL DITCH

CO. RD. 1050 EAST

U.S. HIGHWAY 31

SHOP BUILDING

ENTRANCE GATE

HEAVY FOLIAGE

HEAVY WEEDS

(544.30) EX-9S

A-9 (NM)

UMW-5D (543.00)

(542.66) UMW-5SR

UMW-11D (544.99)

UMW-11S (544.84)

(536.95) GMW-7

UMW-6S (538.91)

UMW-6D (542.88)

P-2S (542.89)

P-2D (542.96)

A-5 (534.47)

UMW-7S (542.12)

UMW-7D (542.22)

UMW-10D (544.91)

UMW-10S (544.86)

A-1D (542.13)

BI (540.37) UGR-3

(542.33)

A-1S

A-16D (541.09)

P-1D (543.00)

A-8D (541.29)

EX-2S (NM)

(544.67) A-12D

UMW-4D (544.53)

BM1

(543.62) EX-1D

(543.97) A-14D

A-15D (544.14)

GMW-2 (544.05)

GMW-5 (NM)

538 540 542 544

LEGEND

SESCO group

- MONITORING WELL & LOCATION OF UNIT I SAMPLING (DEEP)
- BENCHMARK
- FACILITY PROPERTY BOUNDARY
- MSW LANDFILL BOUNDARY
- EXISTING CONTOUR LINE
- 580 FINAL GRADE
- STREAM / BODY OF WATER
- TREE / TREE LINE
- FENCE

(100.00) GROUNDWATER ELEVATION
(NM) NOT MEASURED
CONTOUR LINE, FEET ABOVE MSL (CONTOUR INTERVAL 2 FT)
GROUNDWATER FLOW DIRECTION

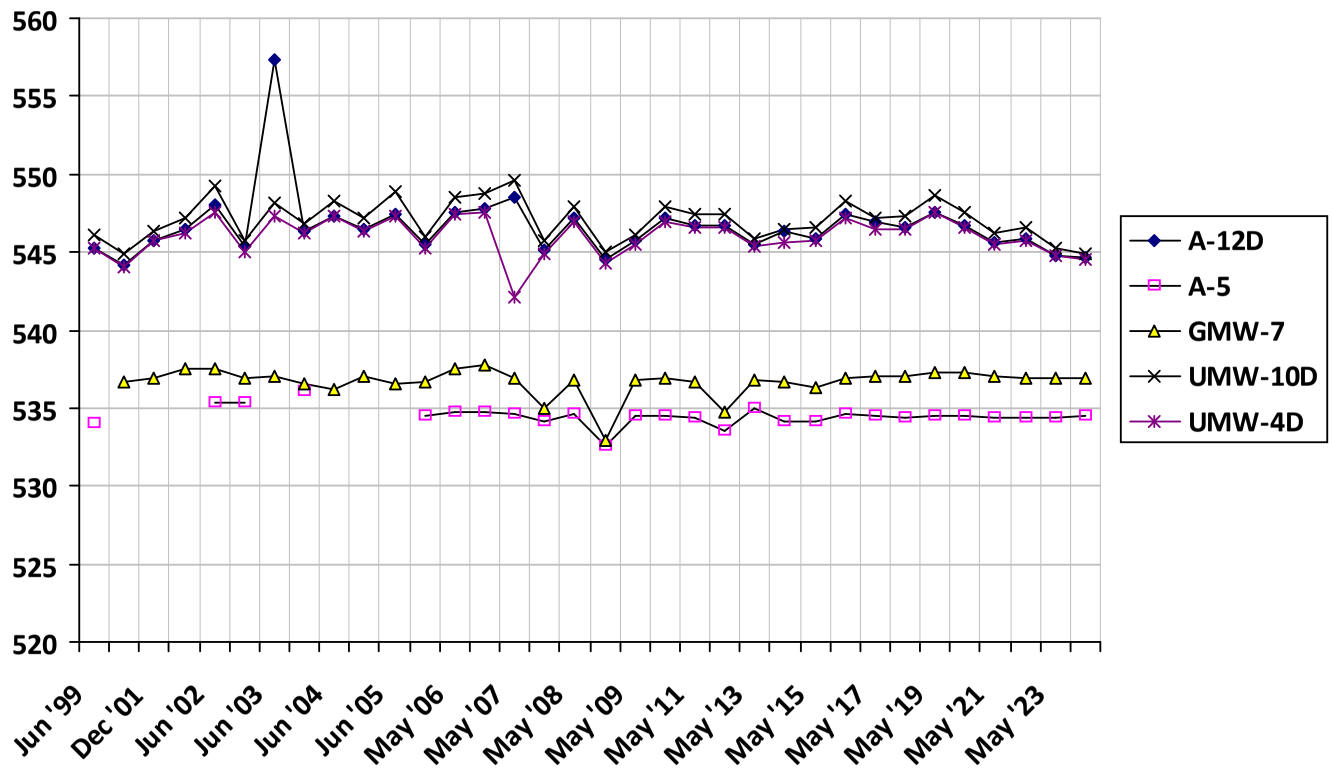
POTENTIOMETRIC SURFACE MAP
UNIT I (DEEP)
MAY 2024

UNIONTOWN SANITARY LANDFILL
JACKSON COUNTY
UNIONTOWN, INDIANA 47229

DRAWN BY: SWB	DATE:	PROJECT #	FIGURE #
REVIEWED BY: DZF	06-17-2024	4381	2

Figure 3 - Unit I Hydrograph

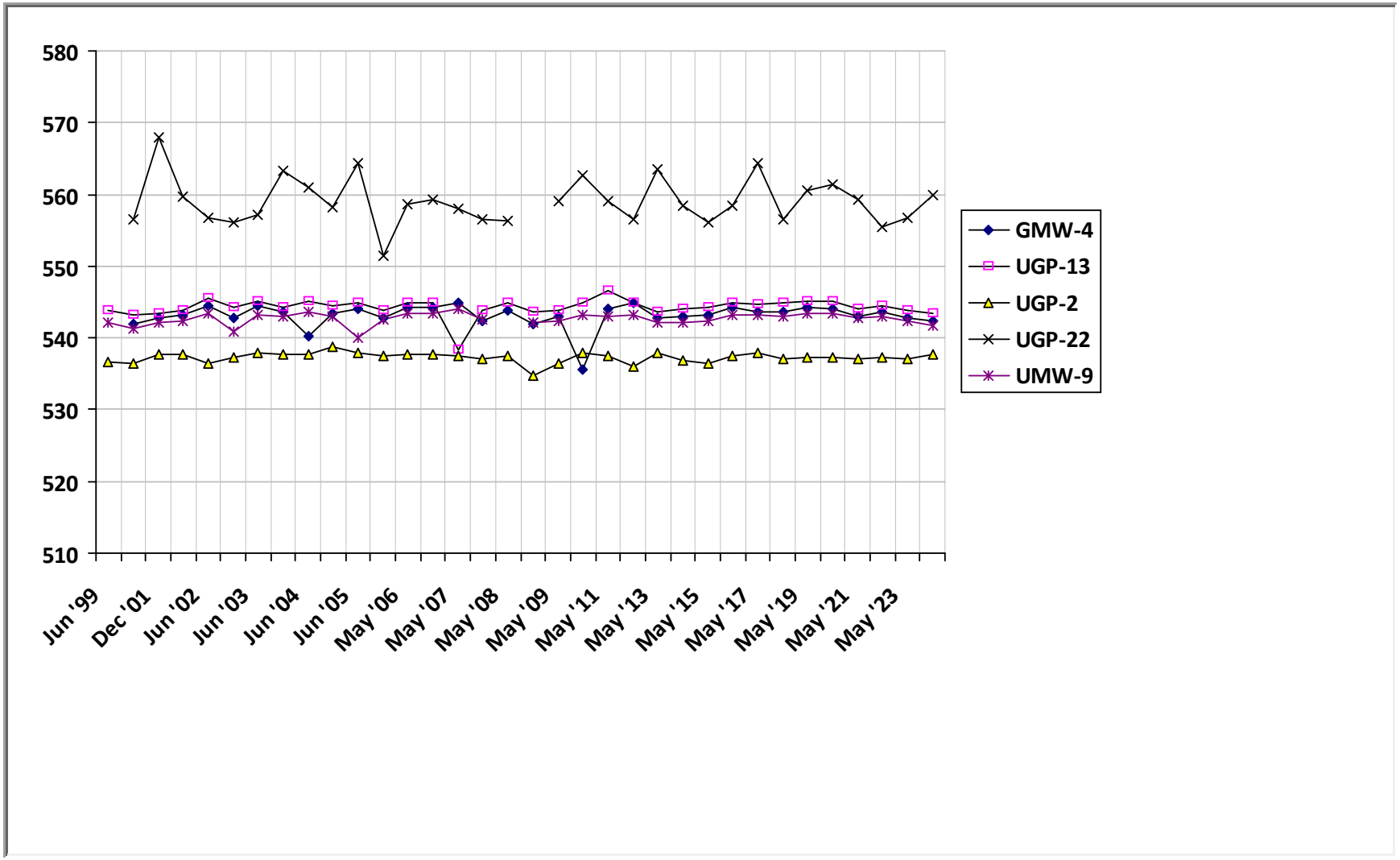
Parameter GW WaterLevel Units ft MSL



Only the highest value within a month is graphed.

Figure 4 - Unit II Hydrograph

Parameter GW WaterLevel Units ft MSL



Only the highest value within a month is graphed.

NOTE: 1. EXISTING TOPOGRAPHY DEVELOPED FROM AN AERIAL SURVEY DATED 09-23-98 BY ACCU-AIR SURVEYS, INC.

2. SCREENING LEVELS FROM IDEM REMEDIATION CLOSURE GUIDE OF 3-22-2012.

RUMPKE OF INDIANA, LLC
UNIONTOWN SANITARY LANDFILL
256.396 +/- ACRES

SCALE IN FEET
0 250 500
1" = 500'- 0"

CO. RD. 1025 EAST

EAST ARM BEDEL DITCH

CO. RD. 1050 EAST

U.S. HIGHWAY 31

SHOP BUILDING

ENTRANCE GATE

BM1

BM2

HEAVY FOLIAGE

HEAVY WEEDS

UMW-8R <1

EX-1S <1

A-14S 1.5

GMW-6 <1

A-13 <1

27.8 A-12S

UMW-4S <1

GMW-10 <1

UGP-16 <1

GMW-4 <1

INDICATED AS "DRY" DUE TO ELEVATED CLAY, FROM A PRESUMPTIVE REMEDY REPORT DATED 02-15-2002.

IDEM GROUNDWATER TAP SCREENING LEVEL = 5 ppb

IDEM RESIDENTIAL GROUNDWATER VAPOR EXPOSURE LEVEL = 9.1ppb

LEGEND

- MONITORING WELL & LOCATION OF UNIT II SAMPLING (SHALLOW)
- BENCHMARK
- FACILITY PROPERTY BOUNDARY
- MSW LANDFILL BOUNDARY
- EXISTING CONTOUR LINE
- FINAL GRADE
- STREAM / BODY OF WATER
- TREE / TREE LINE
- FENCE

- >100 ppb TCE
- 50-100 ppb TCE
- 10-50 ppb TCE
- 5-10 ppb TCE
- <5 ppb TCE
- ppb PARTS PER BILLION
- TCE TRICHLOROETHYLENE

SESCO group

TCE CONCENTRATION MAP
MAY 2024
UNIT II (SHALLOW)

UNIONTOWN SANITARY LANDFILL
JACKSON COUNTY
UNIONTOWN, INDIANA 47229

DRAWN BY: SWB	DATE: 06-17-2024	PROJECT # 4381	FIGURE # 5
REVIEWED BY: DZF			

NOTE: 1. EXISTING TOPOGRAPHY DEVELOPED FROM AN AERIAL SURVEY DATED 09-23-98 BY ACCU-AIR SURVEYS, INC.

2. SCREENING LEVELS FROM IDEM REMEDIATION CLOSURE GUIDE OF 3-22-2012.

RUMPKE OF INDIANA, LLC
UNIONTOWN SANITARY LANDFILL
256.396 +/- ACRES

SCALE IN FEET
0 250 500
1" = 500'- 0"

CO. RD. 1025 EAST

EAST ARM BEDEL DITCH

CO. RD. 1050 EAST

U.S. HIGHWAY 31

SHOP BUILDING

ENTRANCE GATE

HEAVY FOLIAGE

HEAVY WEEDS

UMW-5D 1.7
UMW-5SR <1
UMW-11S <1
GMW-7 <1
UMW-6D 6.4
P-2S 14.9
P-2D 17.1
UMW-7S 13.1
UMW-7D 22.6
A-1D 5.0
A-1S 1.9
BM2
UGP-3 3.9
A-16D 2.2
A-12D 1.7
A-15D 12.7
GMW-2 2.3
BM1
UMW-10D <1
UMW-10S <1

IDEM GROUNDWATER TAP SCREENING LEVEL = 5 ppb

IDEM RESIDENTIAL GROUNDWATER VAPOR EXPOSURE LEVEL = 9.1ppb

LEGEND

SESCO group

- MONITORING WELL & LOCATION OF UNIT I SAMPLING (DEEP)
- BENCHMARK
- FACILITY PROPERTY BOUNDARY
- MSW LANDFILL BOUNDARY
- EXISTING CONTOUR LINE
- FINAL GRADE
- STREAM / BODY OF WATER
- TREE / TREE LINE
- FENCE
- UNKNOWN
- >100 ppb TCE
- 50-100 ppb TCE
- 10-50 ppb TCE
- 5-10 ppb TCE
- <5 ppb TCE
- ppb PARTS PER BILLION
- TCE TRICHLOROETHYLENE

TCE CONCENTRATION MAP
MAY 2024 UNIT I (DEEP)

UNIONTOWN SANITARY LANDFILL
JACKSON COUNTY
UNIONTOWN, INDIANA 47229

DRAWN BY: SWB	DATE: 06-17-2024	PROJECT # 4381	FIGURE # 6
REVIEWED BY: DZF			

NOTE: 1. EXISTING TOPOGRAPHY DEVELOPED FROM AN AERIAL SURVEY DATED 09-23-98 BY ACCU-AIR SURVEYS, INC.

2. SCREENING LEVELS FROM IDEM REMEDIATION CLOSURE GUIDE OF 3-22-2012.

RUMPKE OF INDIANA, LLC
UNIONTOWN SANITARY LANDFILL
256.396 +/- ACRES

SCALE IN FEET
0 250 500
1" = 500'- 0"

CO. RD. 1025 EAST

EAST ARM BEDEL DITCH

CO. RD. 1050 EAST

U.S. HIGHWAY 31

SHOP BUILDING

ENTRANCE GATE

BM1

BM2

HEAVY FOLIAGE

HEAVY WEEDS

UMW-8R <2

EX-1S <2

A-14S <2

GMW-6 <2

GMW-10 <2

UMW-4S <2

UGP-16 <2

GMW-4 <2

A-13 13.5

A-12S 125

INDICATED AS "DRY" DUE TO ELEVATED CLAY, FROM A PRESUMPTIVE REMEDY REPORT DATED 02-15-2002.

IDEM GROUNDWATER TAP SCREENING LEVEL = 2 ppb

IDEM RESIDENTIAL GROUNDWATER VAPOR EXPOSURE LEVEL = 2 ppb

LEGEND

- MONITORING WELL & LOCATION OF UNIT II SAMPLING (SHALLOW)
- BENCHMARK
- FACILITY PROPERTY BOUNDARY
- MSW LANDFILL BOUNDARY
- EXISTING CONTOUR LINE
- FINAL GRADE
- STREAM / BODY OF WATER
- TREE / TREE LINE
- FENCE

- >100 ppb VC
- 50-100 ppb VC
- 10-50 ppb VC
- 2-10 ppb VC
- <2 ppb VC
- ppb PARTS PER BILLION
- VC VINYL CHLORIDE

SESCO group

VINYL CHLORIDE CONCENTRATION MAP
MAY 2024
UNIT II (SHALLOW)

UNIONTOWN SANITARY LANDFILL
JACKSON COUNTY
UNIONTOWN, INDIANA 47229

DRAWN BY: SWB	DATE: 06-17-2024	PROJECT # 4381	FIGURE # 7
REVIEWED BY: DZF			

NOTE: 1. EXISTING TOPOGRAPHY DEVELOPED FROM AN AERIAL SURVEY DATED 09-23-98 BY ACCU-AIR SURVEYS, INC.

2. SCREENING LEVELS FROM IDEM REMEDIATION CLOSURE GUIDE OF 3-22-2012.

RUMPKE OF INDIANA, LLC
UNIONTOWN SANITARY LANDFILL
256.396 +/- ACRES

SCALE IN FEET
0 250 500
1" = 500'- 0"

CO. RD. 1025 EAST

EAST ARM BEDEL DITCH

CO. RD. 1050 EAST

U.S. HIGHWAY 31

SHOP BUILDING

ENTRANCE GATE

UMW-5D <2
UMW-5SR <2
UMW-11S <2
GMW-7 4.7
UMW-6D 7.1
P-2S 3.2
P-2D <2
UMW-7S <2
UMW-7D <2
A-1D <2
A-1S <2
UGR-3 <2
A-16D <2
A-12D <2
A-15D 3.4
GMW-2 <2
UMW-10D <2
UMW-10S <2
BM1
BM2

IDEM GROUNDWATER TAP SCREENING LEVEL = 2 ppb

IDEM RESIDENTIAL GROUNDWATER VAPOR EXPOSURE LEVEL = 2 ppb

LEGEND

- MONITORING WELL & LOCATION OF UNIT I SAMPLING (DEEP)
- BENCHMARK
- FACILITY PROPERTY BOUNDARY
- MSW LANDFILL BOUNDARY
- EXISTING CONTOUR LINE
- FINAL GRADE
- STREAM / BODY OF WATER
- TREE / TREE LINE
- FENCE

- >100 ppb VC
- 50-100 ppb VC
- 10-50 ppb VC
- 2-10 ppb VC
- <2 ppb VC
- ppb PARTS PER BILLION
- VC VINYL CHLORIDE

SESCO group

VINYL CHLORIDE CONCENTRATION MAP
MAY 2024
UNIT I (DEEP)

UNIONTOWN SANITARY LANDFILL
JACKSON COUNTY
UNIONTOWN, INDIANA 47229

DRAWN BY: SWB	DATE: 06-17-2024	PROJECT # 4381	FIGURE # 8
REVIEWED BY: DZF			

TABLE 1: May 2024 Sampling Checklist - Uniontown Sanitary Landfill

Location	Purged			Sampled Obtained				FPT*	If Not Purged, or "Part" or "No" Sample Obtained, or Field Parameters not taken, Explain
	Yes	No	Date	Yes	Part.	No	Date		
A-12D	X		5/9/2024	X			5/9/2024	X	Collected Field Replicate 2
A-12S	X		5/9/2024	X			5/9/2024	X	
A-12F		X				X			Not required
A-13	X		5/9/2024	X		X	5/10/2024	X	
A-14D		X				X			Not required
A-14S	X		5/9/2024	X			5/9/2024	X	
A-15D	X		5/9/2024	X			5/9/2024	X	Collected Field Replicate 2
A-15S		X				X			Not required
A-16D	X		5/7/2024	X			5/7/2024	X	
A-1D	X		5/8/2024	X			5/8/2024	X	
A-1S	X		5/8/2024	X			5/8/2024	X	
A-5		X				X			Not required
EX-1D		X				X			Not required
EX-1S	X		5/9/2024	X			5/9/2024	X	
GMW-10	X		5/9/2024	X			5/9/2024	X	
GMW-11		X				X			Not required
GMW-2	X		5/9/2024	X			5/10/2024	X	Collected Field Replicate 1
GMW-4	X		5/7/2024	X			5/7/2024	X	
GMW-6	X		5/9/2024	X			5/9/2024	X	
GMW-7	X		5/8/2024	X			5/8/2024	X	
P-2D	X		5/8/2024	X			5/8/2024	X	
P-2S	X		5/8/2024	X			5/8/2024	X	
UGP-10		X				X			Not required
UGP-11		X				X			Not required
UGP-16	X		5/7/2024	X			5/7/2024	X	
UGP-2		X				X			Not required
UGP-3	X		5/7/2024	X			5/7/2024	X	
UGP-7		X				X			Not required
UMW-10D	X		5/7/2024	X			5/7/2024	X	Collected MS/MSD-2
UMW-10S	X		5/7/2024	X			5/7/2024	X	Collected Field Replicate 3, Collected MS/MSD-1
UMW-11D		X				X			Not required
UMW-11S	X		5/7/2024	X			5/7/2024	X	
UMW-4D		X				X			Not required
UMW-4S	X		5/7/2024	X			5/7/2024	X	

*FPT - Field Parameters Taken [pH, Specific Conductance (umhos/cm), Temperature (^{o}C), Oxidation - Reduction Potential (ORP)(millivolts), Dissolved Oxygen (mg/L)]

TABLE 1: Continued

Location	Purged			Sampled Obtained				FPT*	If Not Purged, or "Part" or "No" Sample Obtained, or Field Parameters not taken, Explain
	Yes	No	Date	Yes	Part.	No	Date		
UMW-5D	X		5/8/2024	X			5/8/2024	X	
UMW-5SR	X		5/8/2024	X			5/8/2024	X	
UMW-6D	X		5/8/2024	X			5/8/2024	X	
UMW-6S		X				X			Not required
UMW-7D	X		5/8/2024	X			5/8/2024	X	
UMW-7S	X		5/8/2024	X			5/8/2024	X	
UMW-8R	X		5/8/2024	X			5/8/2024	X	
FIELD REPLICATE-1				X			5/10/2024		Collected at GMW-2
FIELD REPLICATE-2				X			5/9/2024		Collected at A-15D
FIELD REPLICATE-3				X			5/7/2024		Collected at UMW-10S
FIELD REPLICATE-4						X			Not required
MS/MSD-1				X			5/7/2024		Collected at UMW-10S
MS/MSD-2				X			5/7/2024		Collected at UMW-10D
Trip Blank				X			5/10/2024		VOC's only - PREPARED BY LAB
Probe Blank-1				X			5/10/2024		DI water supplied by Lab; taken near A-13
Probe Blank-2				X			5/10/2024		DI water supplied by Lab; taken near A-13
Field Blank				X			5/10/2024		DI water supplied by Lab; taken near A-13
Filter Blank-1				X			5/10/2024		DI water supplied by Lab; taken near A-13
Filter Blank-2				X			5/10/2024		DI water supplied by Lab; taken near A-13
Temp. Blank				X					In each cooler - Prepared by lab

*FPT - Field Parameters Taken [pH, Specific Conductance (umhos/cm), Temperature (^{o}C), Oxidation - Reduction Potential (ORP)(millivolts), Dissolved Oxygen (mg/L)]

TABLE 2: MONITORING WELL SAMPLING DESIGNATIONS
Uniontown Closed Sanitary Landfill

Well Name	Monitoring Status	Gradient	Zone
UMW-10D	Background	Up	I
UMW-10S	Background	Up	I
A-16D	Compliance	Down	I
GMW-2	Compliance	Down	I
GMW-4	Compliance	Down	II
GMW-7	Compliance	Down	I
UGP-16	Compliance	Down	II
UGP-3	Compliance	Down	I
UMW-4S	Compliance	Lateral	II
A-12D	Detection	Lateral	I
A-12S	Detection	Lateral	II
A-13	Detection	Lateral	II
A-14S	Detection	Down	II
A-15D	Detection	Down	I
A-1D	Detection	Down	I
A-1S	Detection	Down	I
EX-1S	Detection	Down	II
P-2D	Detection	Down	I
P-2S	Detection	Down	I
UMW-11S	Detection	Lateral	I
UMW-5D	Detection	Up	I
UMW-5SR	Detection	Down	I
UMW-6D	Detection	Down	I
UMW-7D	Detection	Down	I
UMW-7S	Detection	Down	I
UMW-8R	Detection	Down	II
GMW-10	Source Control	Down	II
GMW-6	Source Control	Down	II

TABLE 3: GROUND WATER SAMPLING PARAMETER LIST
Uniontown Closed Sanitary Landfill

	Detection Monitoring	Compliance Monitoring	Source Control Monitoring Parameters
Organic Compounds	VOCs (full 8260 scan)	VOCs (full 8260 scan)	VOCs (full 8260 scan)
Dissolved Metals	Iron, Dissolved		Iron, Dissolved
	Manganese, Dissolved		Manganese, Dissolved
General Chemistry	Chloride		Chloride
	Sulfate		Sulfate
Field Parameters	pH	pH	pH
	Dissolved Oxygen	Dissolved Oxygen	Dissolved Oxygen
	Temperature	Temperature	Temperature
	Oxidation Reduction Potential (ORP)	Oxidation Reduction Potential (ORP)	Oxidation Reduction Potential (ORP)
	Specific Conductance	Specific Conductance	Specific Conductance

TABLE 4 - GROUND WATER LEVELS, MAY 2024

LOCATION NO	DATE OF MEASUREMENT	TIME OF MEASUREMENT	CASING ELEVATION (ft)	STATIC WATER LEVEL (ft)	GROUND WATER ELEVATION (ft)	Zone	BOTTOM DEPTH (MEASURED) (ft)
A-12D	5/9/2024	2:12 PM	569.74	25.07	544.67	I	51.00
A-12S	5/9/2024	2:10 PM	569.42	25.05	544.37	II	27.92
A-13	5/9/2024	4:40 PM	572.56	27.44	545.12	II	28.15
A-14D	5/7/2024	2:29 PM	556.56	12.59	543.97	I	34.60
A-14S	5/9/2024	2:31 PM	555.89	12.26	543.63	II	17.92
A-15D	5/9/2024	2:16 PM	558.1	13.96	544.14	I	37.97
A-15S	5/7/2024	2:19 PM	557.41	14.2	543.21	II	16.00
A-16D	5/7/2024	1:00 PM	550.14	9.05	541.09	I	30.45
A-1D	5/8/2024	3:20 PM	546.05	3.92	542.13	I	30.38
A-1S	5/8/2024	3:23 PM	547.01	4.68	542.33	I	15.37
A-5	5/7/2024	3:40 PM	539.4	4.93	534.47	I	31.00
A-8D	5/7/2024	1:32 PM	554.42	13.13	541.29	I	31.50
A-9	5/7/2024	INACCESSIBLE					
EX-1D	5/7/2024	2:45 PM	554	10.38	543.62	I	40.50
EX-1S	5/9/2024	2:48 PM	554.45	11.18	543.27	II	20.49
EX-2S	5/7/2024	2:40 PM	561.86	18.18	543.68	I	41.20
EX-7	5/7/2024	4:21 PM	551.7	7.78	543.92	II	27.80
EX-8	5/7/2024	4:16 PM	556.79	12.81	543.98	II	42.40
EX-9S	5/7/2024	4:10 PM	556.5	12.2	544.30	I	23.80
GMW-10	5/9/2024	2:54 PM	556.48	13.12	543.36	II	17.20
GMW-11	5/7/2024	2:59 PM	553.41	10	543.41	II	16.00
GMW-2	5/9/2024	2:21 PM	566.31	22.26	544.05	I	37.85
GMW-4	5/7/2024	10:10 AM	564.77	22.37	542.40	II	27.37
GMW-5	5/7/2024	DAMAGED					
GMW-6	5/9/2024	3:10 PM	553.23	9.94	543.29	II	22.00
GMW-7	5/8/2024	4:02 PM	539.66	2.71	536.95	I	29.91
P-1D	5/7/2024	3:18 PM	553.92	10.92	543.00	I	29.20
P-2D	5/8/2024	4:30 PM	544.5	1.54	542.96	I	27.62
P-2S	5/8/2024	8:50 AM	543.98	1.09	542.89	I	22.35
UGP-10	5/7/2024	1:35 PM	564	20.9	543.10	II	30.00
UGP-11	5/7/2024	1:39 PM	565.34	22.22	543.12	II	25.00
UGP-13	5/7/2024	1:46 PM	566.35	22.89	543.46	II	25.00
UGP-15	5/7/2024	1:51 PM	565.92	22.93	542.99	II	22.76
UGP-16	5/7/2024	10:40 AM	566.75	24.6	542.15	II	28.72
UGP-2	5/7/2024	12:40 PM	541.31	3.67	537.64	II	10.00
UGP-20	5/7/2024	10:05 AM	573.23	18.32	554.91	II	27.82
UGP-22	5/7/2024	10:01 AM	578.22	18.35	559.87	II	22.81
UGP-3	5/7/2024	12:35 PM	542.09	1.72	540.37	I	22.60
UGP-7	5/7/2024	1:55 PM	559.72	16.82	542.90	II	20.00
UMW-10D	5/7/2024	9:01 AM	583.71	38.8	544.91	I	71.20
UMW-10S	5/7/2024	9:00 AM	583.16	38.3	544.86	I	47.60
UMW-11D	5/7/2024	12:35 PM	559	14.01	544.99	I	58.80
UMW-11S	5/7/2024	12:40 PM	559.48	14.64	544.84	I	27.41
UMW-4D	5/7/2024	11:02 AM	568.96	24.43	544.53	I	69.40
UMW-4S	5/7/2024	11:02 AM	568.56	13.27	555.29	II	20.10
UMW-5D	5/8/2024	4:10 PM	548.38	5.38	543.00	I	35.10
UMW-5SR	5/8/2024	3:45 PM	548.11	5.45	542.66	I	17.84
UMW-6D	5/8/2024	3:45 PM	544.4	1.52	542.88	I	29.01
UMW-6S	5/7/2024	3:45 PM	540.68	1.77	538.91	I	12.00
UMW-7D	5/8/2024	3:30 PM	548.6	6.38	542.22	I	31.57
UMW-7S	5/8/2024	3:34 PM	546.19	4.07	542.12	I	19.92
UMW-8R	5/8/2024	3:15 PM	552.77	9.76	543.01	II	15.36
UMW-9	5/7/2024	8:30 AM	564.9	23.14	541.76	II	22.50

Shaded wells are wells for which water quality sampling is not required.

TABLE 5: VOC DETECTIONS

SpeciesName	WellName	SampleDate	SampleType	Concentration	Units	DetectionLimit
1,1,1-Trichloroethane	A-12S	09-May-24	Regular	67.1	UG/L	5
1,1-Dichloroethane	A-12S	09-May-24	Regular	148	UG/L	5
1,1-Dichloroethane	A-13	10-May-24	Regular	10.5	UG/L	5
1,1-Dichloroethane	A-14S	09-May-24	Regular	5.1	UG/L	5
1,1-Dichloroethane	A-15D	09-May-24	Duplicate	10.1	UG/L	5
1,1-Dichloroethane	A-15D	09-May-24	Regular	9.3	UG/L	5
1,1-Dichloroethane	A-16D	07-May-24	Regular	9.5	UG/L	5
1,1-Dichloroethane	A-1D	08-May-24	Regular	7	UG/L	5
1,1-Dichloroethane	GMW-4	07-May-24	Regular	9.2	UG/L	5
1,1-Dichloroethane	P-2D	08-May-24	Regular	5	UG/L	5
1,1-Dichloroethane	P-2S	08-May-24	Regular	12.2	UG/L	5
1,1-Dichloroethane	UGP-3	07-May-24	Regular	5.9	UG/L	5
1,1-Dichloroethane	UMW-6D	08-May-24	Regular	7.5	UG/L	5
1,2-Dichloroethane	A-14S	09-May-24	Regular	3.8	UG/L	1
1,2-Dichloroethane	A-16D	07-May-24	Regular	10.2	UG/L	1
1,2-Dichloroethane	A-1D	08-May-24	Regular	11.4	UG/L	1
1,2-Dichloroethane	A-1S	08-May-24	Regular	3.1	UG/L	1
1,2-Dichloroethane	GMW-10	09-May-24	Regular	2	UG/L	1
1,2-Dichloroethane	GMW-4	07-May-24	Regular	1.2	UG/L	1
1,2-Dichloroethane	P-2D	08-May-24	Regular	28.5	UG/L	1
1,2-Dichloroethane	P-2S	08-May-24	Regular	42.9	UG/L	1
1,2-Dichloroethane	UGP-3	07-May-24	Regular	12.1	UG/L	1
1,2-Dichloroethane	UMW-5D	08-May-24	Regular	3.6	UG/L	1
1,2-Dichloroethane	UMW-6D	08-May-24	Regular	28.1	UG/L	1
1,2-Dichloroethane	UMW-7D	08-May-24	Regular	5	UG/L	1
1,2-Dichloroethane	UMW-7S	08-May-24	Regular	5.7	UG/L	1
1,2-Dichloroethene (Total)	A-12D	09-May-24	Regular	6.8	UG/L	5
1,2-Dichloroethene (Total)	A-12S	09-May-24	Regular	346	UG/L	50
1,2-Dichloroethene (Total)	A-13	10-May-24	Regular	44.2	UG/L	5
1,2-Dichloroethene (Total)	A-14S	09-May-24	Regular	40.3	UG/L	5
1,2-Dichloroethene (Total)	A-15D	09-May-24	Duplicate	35.3	UG/L	5
1,2-Dichloroethene (Total)	A-15D	09-May-24	Regular	32.4	UG/L	5
1,2-Dichloroethene (Total)	A-16D	07-May-24	Regular	39.7	UG/L	5
1,2-Dichloroethene (Total)	A-1D	08-May-24	Regular	28.9	UG/L	5
1,2-Dichloroethene (Total)	A-1S	08-May-24	Regular	12.1	UG/L	5
1,2-Dichloroethene (Total)	EX-1S	09-May-24	Regular	5.2	UG/L	5
1,2-Dichloroethene (Total)	GMW-10	09-May-24	Regular	22.9	UG/L	5
1,2-Dichloroethene (Total)	GMW-2	10-May-24	Duplicate	14.5	UG/L	5
1,2-Dichloroethene (Total)	GMW-2	10-May-24	Regular	14.5	UG/L	5
1,2-Dichloroethene (Total)	GMW-4	07-May-24	Regular	39.8	UG/L	5
1,2-Dichloroethene (Total)	GMW-7	08-May-24	Regular	9.5	UG/L	5
1,2-Dichloroethene (Total)	P-2D	08-May-24	Regular	21.8	UG/L	5
1,2-Dichloroethene (Total)	P-2S	08-May-24	Regular	38.7	UG/L	5
1,2-Dichloroethene (Total)	UGP-3	07-May-24	Regular	23.8	UG/L	5
1,2-Dichloroethene (Total)	UMW-5D	08-May-24	Regular	10.1	UG/L	5

TABLE 5: VOC DETECTIONS

SpeciesName	WellName	SampleDate	SampleType	Concentration	Units	DetectionLimit
1,2-Dichloroethene (Total)	UMW-6D	08-May-24	Regular	59.8	UG/L	5
1,2-Dichloroethene (Total)	UMW-7D	08-May-24	Regular	28.5	UG/L	5
1,2-Dichloroethene (Total)	UMW-7S	08-May-24	Regular	9.8	UG/L	5
Acetone	A-12S	09-May-24	Regular	63	UG/L	10
Acetone	A-13	10-May-24	Regular	84.7	UG/L	10
Benzene	A-12S	09-May-24	Regular	6.2	UG/L	2
Chloroethane	A-12S	09-May-24	Regular	16.9	UG/L	5
Chloroethane	A-13	10-May-24	Regular	53.4	UG/L	5
Chloroethane	A-14S	09-May-24	Regular	7.6	UG/L	5
Chloroform	A-12S	09-May-24	Regular	14.1	UG/L	5
Tetrachloroethene	A-12S	09-May-24	Regular	4	UG/L	1
Tetrachloroethene	A-14S	09-May-24	Regular	1.8	UG/L	1
Tetrachloroethene	A-15D	09-May-24	Regular	1.8	UG/L	1
Tetrachloroethene	A-15D	09-May-24	Duplicate	1.9	UG/L	1
Tetrachloroethene	A-16D	07-May-24	Regular	1.2	UG/L	1
Tetrachloroethene	P-2S	08-May-24	Regular	14.3	UG/L	1
Tetrachloroethene	UMW-7D	08-May-24	Regular	1.3	UG/L	1
Tetrachloroethene	UMW-7S	08-May-24	Regular	1.8	UG/L	1
Trichloroethene	A-12D	09-May-24	Regular	1.7	UG/L	1
Trichloroethene	A-12S	09-May-24	Regular	27.8	UG/L	1
Trichloroethene	A-14S	09-May-24	Regular	1.5	UG/L	1
Trichloroethene	A-15D	09-May-24	Regular	12.7	UG/L	1
Trichloroethene	A-15D	09-May-24	Duplicate	14.1	UG/L	1
Trichloroethene	A-16D	07-May-24	Regular	2.2	UG/L	1
Trichloroethene	A-1D	08-May-24	Regular	5	UG/L	1
Trichloroethene	A-1S	08-May-24	Regular	1.9	UG/L	1
Trichloroethene	GMW-2	10-May-24	Regular	2.3	UG/L	1
Trichloroethene	GMW-2	10-May-24	Duplicate	2.3	UG/L	1
Trichloroethene	P-2D	08-May-24	Regular	17.1	UG/L	1
Trichloroethene	P-2S	08-May-24	Regular	14.9	UG/L	1
Trichloroethene	UGP-3	07-May-24	Regular	3.9	UG/L	1
Trichloroethene	UMW-5D	08-May-24	Regular	1.7	UG/L	1
Trichloroethene	UMW-6D	08-May-24	Regular	6.4	UG/L	1
Trichloroethene	UMW-7D	08-May-24	Regular	22.6	UG/L	1
Trichloroethene	UMW-7S	08-May-24	Regular	13.1	UG/L	1
Vinyl chloride	A-12S	09-May-24	Regular	125	UG/L	2
Vinyl chloride	A-13	10-May-24	Regular	13.5	UG/L	2
Vinyl chloride	A-15D	09-May-24	Regular	3.4	UG/L	2
Vinyl chloride	A-15D	09-May-24	Duplicate	3.9	UG/L	2
Vinyl chloride	GMW-7	08-May-24	Regular	4.7	UG/L	2
Vinyl chloride	P-2S	08-May-24	Regular	3.2	UG/L	2
Vinyl chloride	UMW-6D	08-May-24	Regular	7.1	UG/L	2

TABLE 6: RISC EXCEEDANCES

Monitoring Status	Species Name	Well Name	Sample Date	Sample Type	Concentration	Units	RISC Residential Standard
Compliance	1,2-Dichloroethane	A-16D	07-May-24	Regular	0.0102	UG/L	0.005
Detection	1,2-Dichloroethane	A-1D	08-May-24	Regular	0.0114	UG/L	0.005
Detection	1,2-Dichloroethane	P-2D	08-May-24	Regular	0.0285	UG/L	0.005
Detection	1,2-Dichloroethane	P-2S	08-May-24	Regular	0.0429	UG/L	0.005
Compliance	1,2-Dichloroethane	UGP-3	07-May-24	Regular	0.0121	UG/L	0.005
Detection	1,2-Dichloroethane	UMW-6D	08-May-24	Regular	0.0281	UG/L	0.005
Detection	1,2-Dichloroethane	UMW-7S	08-May-24	Regular	0.0057	UG/L	0.005
Detection	1,2-Dichloroethene (Total)	A-12S	09-May-24	Regular	0.346	UG/L	0.17
Detection	Benzene	A-12S	09-May-24	Regular	0.0062	UG/L	0.005
Detection	Tetrachloroethene	P-2S	08-May-24	Regular	0.0143	UG/L	0.005
Detection	Trichloroethene	A-12S	09-May-24	Regular	0.0278	UG/L	0.005
Detection	Trichloroethene	A-15D	09-May-24	Regular	0.0127	UG/L	0.005
Detection	Trichloroethene	A-15D	09-May-24	Duplicate	0.0141	UG/L	0.005
Detection	Trichloroethene	P-2D	08-May-24	Regular	0.0171	UG/L	0.005
Detection	Trichloroethene	P-2S	08-May-24	Regular	0.0149	UG/L	0.005
Detection	Trichloroethene	UMW-6D	08-May-24	Regular	0.0064	UG/L	0.005
Detection	Trichloroethene	UMW-7D	08-May-24	Regular	0.0226	UG/L	0.005
Detection	Trichloroethene	UMW-7S	08-May-24	Regular	0.0131	UG/L	0.005
Detection	Vinyl chloride	A-12S	09-May-24	Regular	0.125	UG/L	0.002
Detection	Vinyl chloride	A-13	10-May-24	Regular	0.0135	UG/L	0.002
Detection	Vinyl chloride	A-15D	09-May-24	Regular	0.0034	UG/L	0.002
Detection	Vinyl chloride	A-15D	09-May-24	Duplicate	0.0039	UG/L	0.002
Compliance	Vinyl chloride	GMW-7	08-May-24	Regular	0.0047	UG/L	0.002
Detection	Vinyl chloride	P-2S	08-May-24	Regular	0.0032	UG/L	0.002
Detection	Vinyl chloride	UMW-6D	08-May-24	Regular	0.0071	UG/L	0.002

APPENDIX 1

SUMMARY OF SITE HYDROGEOLOGY

SITE GEOLOGY

The Uniontown Sanitary Landfill is located in the Central Glaciated Plains physiographic province, which is characterized by unconsolidated glacial deposits underlain by flat-lying sedimentary rocks.

Surficial geology beneath the site is characterized by recent unconsolidated alluvium deposited along the East Arm of Bedel Ditch, which bisects the site from north to southwest and is the primary drainage feature at the site, and by Pleistocene-aged glacial lacustrine (lake) deposits. The surficial deposits are underlain by Devonian- and Mississippian-aged shale and limestone bedrock.

The surficial deposits at the site consist of interbedded units of fine to coarse-grained sediments ranging from silty clay to poorly-sorted sand with traces of pea gravel. Cross-section and pump test data indicate that the site is underlain by two distinct sand units as well as a transition zone between the two units. Unit I is a lower sand unit that underlies most of the site; Unit II is an upper sand unit that is present along the southern and eastern sections of the site. In general, Unit II (the upper sand) is about 3 to 10 feet thick and is encountered approximately 15 feet below the ground surface (bgs), while Unit I (the lower sand) contains traces of pea gravel and is encountered at a depth of around 35 feet bgs.

Bedrock has been encountered in a least 20 borings at the site and consists of greenish-gray to dark gray shale and thin fossiliferous limestone lenses. The depth to bedrock encountered at the site ranges from 26.6 feet bgs in UGP-1 located along the southwestern property boundary, to 84 feet bgs in EX-3D located southeast of the landfill. The bedrock surface slopes moderately to the east across the site with a bedrock high occurring along the western edge of the landfill and along the southwestern property boundary.

SITE HYDROGEOLOGY

Results of aquifer testing performed at the site indicate that Units I, II are hydraulically interconnected. The hydraulic conductivity value calculated for the shallow water-bearing unit (Unit II) is approximately 10^{-4} centimeter/second (cm/sec), while the lower water-bearing unit (Unit I) has calculated hydraulic conductivities ranging from 10^{-2} to 10^{2} cm/sec.

APPENDIX 2

GROUND WATER SAMPLING FIELD LOGS

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	A-1D

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	30.38		
STATIC WATER LEVEL:	3.92		
HEIGHT OF WATER (h):	26.46		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	4.31		
RECOMMENDED PURGE VOLUME 3(CV):	12.92		
ACTUAL PURGE VOLUME	13		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	3:20
TIME BEGIN PURGE 10:02	TIME END PURGE: 10:35
PURGE TO DRY: ☐ YES	☑ NO
PURGE CONTAINED: ☑ YES	☐ NO
WATER LEVEL AFTER PURGE:	24.16
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES	☐ NO

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	24.16		
TIME BEGIN SAMPLE:	10:35		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	10:35
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
16.1	7.28	-31	720	3.01

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/8/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	A-1S

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE: 5/8/2024	PERSONNEL: RGF & JP	WEATHER CONDITIONS	MOSTLY SUNNY
DEPTH TO BOTTOM: 15.37		TIME EQUIPMENT DECONTAMINATED:	3:23
STATIC WATER LEVEL: 4.68		TIME BEGIN PURGE 10:00	TIME END PURGE: 10:25
HEIGHT OF WATER (h): 10.69		PURGE TO DRY: ☐ YES ☑ NO	
WELL DIAMETER (2r): 2		PURGE CONTAINED: ☑ YES ☐ NO	
CASING VOLUME (CV) ($\pi r^2h/19.3$): 1.74		WATER LEVEL AFTER PURGE:	11.41
RECOMMENDED PURGE VOLUME 3(CV): 5.22		RECHARGE RATE:	FAST
ACTUAL PURGE VOLUME 6		IMMISCIBLE LAYERS CHECKED:	☑ YES ☐ NO

PURGE WATER APPEARANCE: COLOR: ORANGE ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE: 5/8/2024	PERSONNEL: RGF & JP	WEATHER CONDITIONS:	MOSTLY SUNNY
WATER LEVEL BEFORE SAMPLE: 11.41		TIME EQUIPMENT DECONTAMINATED:	10:25
TIME BEGIN SAMPLE: 10:25			
REACTION WITH PRESERVATIVES: NONE		FIELD FILTERED SAMPLES:	DISSOLVED METALS

COMMENTS:

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
14.4	7.28	-18	575	3.16

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/8/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	A-12D

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	51		
STATIC WATER LEVEL:	25.07		
HEIGHT OF WATER (h):	25.93		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	4.22		
RECOMMENDED PURGE VOLUME 3(CV):	12.66		
ACTUAL PURGE VOLUME	13		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	2:12
TIME BEGIN PURGE 1:50	TIME END PURGE: 2:35
PURGE TO DRY: ☐ YES	☑ NO
PURGE CONTAINED: ☑ YES	☐ NO
WATER LEVEL AFTER PURGE:	31.62
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES	☐ NO

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	31.62		
TIME BEGIN SAMPLE:	2:35		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	2:35
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
18.1	8.15	-51	540	1.5

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/9/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	A-12S

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	27.92		
STATIC WATER LEVEL:	25.05		
HEIGHT OF WATER (h):	2.87		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	0.47		
RECOMMENDED PURGE VOLUME 3(CV):	1.40		
ACTUAL PURGE VOLUME	1		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	2:10
TIME BEGIN PURGE 1:25	TIME END PURGE: 1:50
PURGE TO DRY: ☑ YES ☐ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	27.92
RECHARGE RATE:	SLOW
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: BROWN ODOR: NONE TURBIDITY: MODERATE

COMMENTS:

SAMPLE DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	26.56		
TIME BEGIN SAMPLE:	1:50		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	1:50
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
15.9	7.5	-36	691	1.84

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/9/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	A-13

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	28.15		
STATIC WATER LEVEL:	27.44		
HEIGHT OF WATER (h):	0.71		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	0.12		
RECOMMENDED PURGE VOLUME 3(CV):	0.35		
ACTUAL PURGE VOLUME	0.25		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	4:40
TIME BEGIN PURGE 4:30	TIME END PURGE: 4:40
PURGE TO DRY: ☑ YES ☐ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	28.15
RECHARGE RATE:	SLOW
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: BLACK ODOR: SLIGHT TURBIDITY: MODERATE

COMMENTS:

SAMPLE DATA

DATE:	5/10/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	27.88		
TIME BEGIN SAMPLE:	7:45		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	7:45
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
14.1	7.41	-25	501	2.99

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: **DATE:** 5/10/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	A-14S

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	17.92		
STATIC WATER LEVEL:	12.26		
HEIGHT OF WATER (h):	5.66		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	0.92		
RECOMMENDED PURGE VOLUME 3(CV):	2.76		
ACTUAL PURGE VOLUME	1.5		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	2:31
TIME BEGIN PURGE 11:15	TIME END PURGE: 11:40
PURGE TO DRY: ☑ YES ☐ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	17.92
RECHARGE RATE:	SLOW
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: BROWN ODOR: NONE TURBIDITY: HIGH

COMMENTS:

SAMPLE DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	16.85		
TIME BEGIN SAMPLE:	11:40		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	11:40
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
16.8	7.32	-13.1	1185	2.81

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/9/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	A-15D

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	37.97		
STATIC WATER LEVEL:	13.96		
HEIGHT OF WATER (h):	24.01		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	3.91		
RECOMMENDED PURGE VOLUME 3(CV):	11.72		
ACTUAL PURGE VOLUME	12		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	2:16
TIME BEGIN PURGE 12:15	TIME END PURGE: 12:50
PURGE TO DRY: ☐ YES	☑ NO
PURGE CONTAINED: ☑ YES	☐ NO
WATER LEVEL AFTER PURGE:	15.12
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES	☐ NO

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	15.12		
TIME BEGIN SAMPLE:	12:50		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:	COMPLETED THE FIELD REPLICATE-2		

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	12:50
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
15.7	7.71	-38	750	2.05

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/9/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	A-16D

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	30.45		
STATIC WATER LEVEL:	9.05		
HEIGHT OF WATER (h):	21.40		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	3.48		
RECOMMENDED PURGE VOLUME 3(CV):	10.45		
ACTUAL PURGE VOLUME	11		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	1:00
TIME BEGIN PURGE 1:00	TIME END PURGE: 1:25
PURGE TO DRY: ☐ YES ☑ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	11.25
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	11.25		
TIME BEGIN SAMPLE:	1:25		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	1:25
FIELD FILTERED SAMPLES:	NONE

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
14.5	7.37	-20	1100	3.05

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs

SIGNATURE: **DATE:** 5/7/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	EX-1S

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE: 5/9/2024	PERSONNEL: RGF & JP	WEATHER CONDITIONS	MOSTLY SUNNY
DEPTH TO BOTTOM: 20.49		TIME EQUIPMENT DECONTAMINATED:	2:48
STATIC WATER LEVEL: 11.18		TIME BEGIN PURGE 8:30	TIME END PURGE: 9:05
HEIGHT OF WATER (h): 9.31		PURGE TO DRY: ☐ YES ☑ NO	
WELL DIAMETER (2r): 2		PURGE CONTAINED: ☑ YES ☐ NO	
CASING VOLUME (CV) ($\pi r^2h/19.3$): 1.52		WATER LEVEL AFTER PURGE:	20.01
RECOMMENDED PURGE VOLUME 3(CV): 4.55		RECHARGE RATE:	FAST
ACTUAL PURGE VOLUME 5		IMMISCIBLE LAYERS CHECKED:	☑ YES ☐ NO

PURGE WATER APPEARANCE: COLOR: TAN ODOR: NONE TURBIDITY: HIGH

COMMENTS:

SAMPLE DATA

DATE: 5/9/2024	PERSONNEL: RGF & JP	WEATHER CONDITIONS:	MOSTLY SUNNY
WATER LEVEL BEFORE SAMPLE: 20.01		TIME EQUIPMENT DECONTAMINATED:	9:05
TIME BEGIN SAMPLE: 9:05			
REACTION WITH PRESERVATIVES: NONE		FIELD FILTERED SAMPLES:	DISSOLVED METALS

COMMENTS:

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
15.8	6.78	-18.1	1065	3.01

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/9/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	Field Rep-1

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE: 5/9/2024	PERSONNEL: RGF & JP	WEATHER CONDITIONS	MOSTLY SUNNY
DEPTH TO BOTTOM: 37.85		TIME EQUIPMENT DECONTAMINATED:	2:21
STATIC WATER LEVEL: 22.26		TIME BEGIN PURGE 5:05	TIME END PURGE: 5:25
HEIGHT OF WATER (h): 15.59		PURGE TO DRY: ☑ YES ☐ NO	
WELL DIAMETER (2r): 2		PURGE CONTAINED: ☑ YES ☐ NO	
CASING VOLUME (CV) ($\pi r^2h/19.3$): 2.54		WATER LEVEL AFTER PURGE:	37.85
RECOMMENDED PURGE VOLUME 3(CV): 7.61		RECHARGE RATE:	SLOW
ACTUAL PURGE VOLUME 3		IMMISCIBLE LAYERS CHECKED:	☑ YES ☐ NO

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE: 5/10/2024	PERSONNEL: RGF & JP	WEATHER CONDITIONS:	MOSTLY SUNNY
WATER LEVEL BEFORE SAMPLE: 31.61		TIME EQUIPMENT DECONTAMINATED:	8:15
TIME BEGIN SAMPLE: 8:15			
REACTION WITH PRESERVATIVES: NONE		FIELD FILTERED SAMPLES:	NONE
COMMENTS: COMPLETED ON GMW-2			

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
14.7	7.4	-21	1100	1.88

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs

SIGNATURE: _____ **DATE:** 5/10/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	Field Replicate-2

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE: 5/9/2024	PERSONNEL: RGF & JP	WEATHER CONDITIONS	MOSTLY SUNNY
DEPTH TO BOTTOM: 37.97		TIME EQUIPMENT DECONTAMINATED:	2:16
STATIC WATER LEVEL: 13.96		TIME BEGIN PURGE 12:15	TIME END PURGE: 12:50
HEIGHT OF WATER (h): 24.01		PURGE TO DRY: ☐ YES ☑ NO	
WELL DIAMETER (2r): 2		PURGE CONTAINED: ☑ YES ☐ NO	
CASING VOLUME (CV) ($\pi r^2h/19.3$): 3.91		WATER LEVEL AFTER PURGE:	15.12
RECOMMENDED PURGE VOLUME 3(CV): 11.72		RECHARGE RATE:	FAST
ACTUAL PURGE VOLUME 12		IMMISCIBLE LAYERS CHECKED:	☑ YES ☐ NO

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE: 5/9/2024	PERSONNEL: RGF & JP	WEATHER CONDITIONS:	MOSTLY SUNNY
WATER LEVEL BEFORE SAMPLE: 15.12		TIME EQUIPMENT DECONTAMINATED:	12:50
TIME BEGIN SAMPLE: 12:50			
REACTION WITH PRESERVATIVES: NONE		FIELD FILTERED SAMPLES:	DISSOLVED METALS
COMMENTS: COMPLETED ON A-15D			

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
15.7	7.71	-38	750	2.05

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/9/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	Field Replicate-3

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	47.6		
STATIC WATER LEVEL:	38.3		
HEIGHT OF WATER (h):	9.30		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	1.51		
RECOMMENDED PURGE VOLUME 3(CV):	4.54		
ACTUAL PURGE VOLUME	5		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	9:00
TIME BEGIN PURGE 9:00	TIME END PURGE: 9:35
PURGE TO DRY: ☐ YES ☑ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	40.1
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	40.1		
TIME BEGIN SAMPLE:	9:35		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:	COMPLETED ON UMW-10S		

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	9:35
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
16.3	7.31	-16	1262	1.41

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/7/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	GMW-10

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	17.2		
STATIC WATER LEVEL:	13.12		
HEIGHT OF WATER (h):	4.08		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	0.66		
RECOMMENDED PURGE VOLUME 3(CV):	1.99		
ACTUAL PURGE VOLUME	2		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	2:54
TIME BEGIN PURGE 10:35	TIME END PURGE: 10:50
PURGE TO DRY: ☐ YES	☑ NO
PURGE CONTAINED: ☑ YES	☐ NO
WATER LEVEL AFTER PURGE:	15.16
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES	☐ NO

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	15.16		
TIME BEGIN SAMPLE:	10:50		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	10:50
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
18.1	7.4	-17.1	945	2.88

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters
'			

SIGNATURE: _____ **DATE:** 5/9/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	GMW-2

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	37.85		
STATIC WATER LEVEL:	22.26		
HEIGHT OF WATER (h):	15.59		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	2.54		
RECOMMENDED PURGE VOLUME 3(CV):	7.61		
ACTUAL PURGE VOLUME	3		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	2:21
TIME BEGIN PURGE 5:05	TIME END PURGE: 5:25
PURGE TO DRY: ☑ YES ☐ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	37.85
RECHARGE RATE:	SLOW
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/10/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	31.61		
TIME BEGIN SAMPLE:	8:15		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:	COMPLETED THE FIELD REPLICATE-1		

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	8:15
FIELD FILTERED SAMPLES:	NONE

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
14.7	7.4	-21	1100	1.88

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs

SIGNATURE: _____ **DATE:** 5/10/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	GMW-4

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	27.37		
STATIC WATER LEVEL:	22.37		
HEIGHT OF WATER (h):	5.00		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	0.81		
RECOMMENDED PURGE VOLUME 3(CV):	2.44		
ACTUAL PURGE VOLUME	3		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	10:10
TIME BEGIN PURGE 10:10	TIME END PURGE: 10:25
PURGE TO DRY: ☐ YES	☑ NO
PURGE CONTAINED: ☑ YES	☐ NO
WATER LEVEL AFTER PURGE:	24.57
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES	☐ NO

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	24.57		
TIME BEGIN SAMPLE:	10:25		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	10:25
FIELD FILTERED SAMPLES:	NONE

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
14.3	7.52	-25	950	1.89

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs

SIGNATURE: _____ **DATE:** 5/7/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	GMW-6

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	22		
STATIC WATER LEVEL:	9.94		
HEIGHT OF WATER (h):	12.06		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	1.96		
RECOMMENDED PURGE VOLUME 3(CV):	5.89		
ACTUAL PURGE VOLUME	6		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	3:10
TIME BEGIN PURGE 9:30	TIME END PURGE: 10:00
PURGE TO DRY: ☐ YES ☑ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	13.16
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: TAN ODOR: NONE TURBIDITY: MODERATE

COMMENTS:

SAMPLE DATA

DATE:	5/9/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	13.16		
TIME BEGIN SAMPLE:	10:00		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	10:00
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
15.1	7.01	-1.4	1130	2.5

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/9/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	GMW-7

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	29.91		
STATIC WATER LEVEL:	2.71		
HEIGHT OF WATER (h):	27.20		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	4.43		
RECOMMENDED PURGE VOLUME 3(CV):	13.28		
ACTUAL PURGE VOLUME	14		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	4:02
TIME BEGIN PURGE 11:02	TIME END PURGE: 11:40
PURGE TO DRY: ☐ YES ☑ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	26.11
RECHARGE RATE:	MODERATE
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: BROWN ODOR: NONE TURBIDITY: MODERATE

COMMENTS:

SAMPLE DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	26.11		
TIME BEGIN SAMPLE:	11:40		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	11:40
FIELD FILTERED SAMPLES:	NONE

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
13.9	7.35	-20	755	2.33

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs

SIGNATURE: _____ **DATE:** 5/8/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	P-2D

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	27.62		
STATIC WATER LEVEL:	1.54		
HEIGHT OF WATER (h):	26.08		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	4.25		
RECOMMENDED PURGE VOLUME 3(CV):	12.74		
ACTUAL PURGE VOLUME	13		

WEATHER CONDITIONS: MOSTLY SUNNY

TIME EQUIPMENT DECONTAMINATED: 4:30

TIME BEGIN PURGE: 8:30 TIME END PURGE: 8:55

PURGE TO DRY: ☐ YES ☑ NO

PURGE CONTAINED: ☑ YES ☐ NO

WATER LEVEL AFTER PURGE: 15.1

RECHARGE RATE: MODERATE

IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	15.1		
TIME BEGIN SAMPLE:	8:55		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS: MOSTLY SUNNY

TIME EQUIPMENT DECONTAMINATED: 8:55

FIELD FILTERED SAMPLES: DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
15.1	7.52	-32	610	1.76

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/8/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	P-2S

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	22.35		
STATIC WATER LEVEL:	1.09		
HEIGHT OF WATER (h):	21.26		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	3.46		
RECOMMENDED PURGE VOLUME 3(CV):	10.38		
ACTUAL PURGE VOLUME	4		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	4:34
TIME BEGIN PURGE 8:30	TIME END PURGE: 8:50
PURGE TO DRY: ☑ YES ☐ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	19.91
RECHARGE RATE:	SLOW
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: BLACK ODOR: NONE TURBIDITY: MODERATE

COMMENTS:

SAMPLE DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	19.91		
TIME BEGIN SAMPLE:	8:50		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	8:50
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
15.1	7.50	-19	735	2.41

SAMPLE PARAMETERS

PARAMETER LIST: SEE COC SAMPLE#: LABORATORY:

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 mL	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: **DATE:** 5/8/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UGP-16

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	28.72		
STATIC WATER LEVEL:	24.6		
HEIGHT OF WATER (h):	4.12		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	0.67		
RECOMMENDED PURGE VOLUME 3(CV):	2.01		
ACTUAL PURGE VOLUME	3		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	10:40
TIME BEGIN PURGE 10:40	TIME END PURGE: 10:55
PURGE TO DRY: ☑ YES ☐ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	27.17
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: TAN ODOR: NONE TURBIDITY: HIGH

COMMENTS:

SAMPLE DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	27.17		
TIME BEGIN SAMPLE:	10:57		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	10:57
FIELD FILTERED SAMPLES:	NONE

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
14.3	7.27	-21	734	2.1

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs

SIGNATURE: _____ **DATE:** 5/7/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UGP-3

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	22.6		
STATIC WATER LEVEL:	1.72		
HEIGHT OF WATER (h):	20.88		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	3.40		
RECOMMENDED PURGE VOLUME 3(CV):	10.20		
ACTUAL PURGE VOLUME	10.5		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	12:35
TIME BEGIN PURGE 12:35	TIME END PURGE: 12:50
PURGE TO DRY: ☐ YES	☑ NO
PURGE CONTAINED: ☑ YES	☐ NO
WATER LEVEL AFTER PURGE:	2.59
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES	☐ NO

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	2.59		
TIME BEGIN SAMPLE:	12:50		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	12:50
FIELD FILTERED SAMPLES:	NONE

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
14.3	6.59	27	1040	1.98

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs

SIGNATURE: _____ **DATE:** 5/7/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UMW-10D

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	71.2		
STATIC WATER LEVEL:	38.8		
HEIGHT OF WATER (h):	32.40		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	5.27		
RECOMMENDED PURGE VOLUME 3(CV):	15.82		
ACTUAL PURGE VOLUME	16		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	9:01
TIME BEGIN PURGE 9:05	TIME END PURGE: 9:50
PURGE TO DRY: ☐ YES	☑ NO
PURGE CONTAINED: ☑ YES	☐ NO
WATER LEVEL AFTER PURGE:	41.61
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES	☐ NO

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	41.61		
TIME BEGIN SAMPLE:	9:50		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	9:50
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
16	7.29	-16	775	1.81

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/7/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UMW-10S

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	47.6		
STATIC WATER LEVEL:	38.3		
HEIGHT OF WATER (h):	9.30		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	1.51		
RECOMMENDED PURGE VOLUME 3(CV):	4.54		
ACTUAL PURGE VOLUME	5		

WEATHER CONDITIONS: MOSTLY SUNNY

TIME EQUIPMENT DECONTAMINATED: 9:00

TIME BEGIN PURGE: 9:00 TIME END PURGE: 9:35

PURGE TO DRY: ☐ YES ☑ NO

PURGE CONTAINED: ☑ YES ☐ NO

WATER LEVEL AFTER PURGE: 40.1

RECHARGE RATE: FAST

IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	40.1		
TIME BEGIN SAMPLE:	9:35		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:	COMPLETED THE FIELD REPLICATE-3		

WEATHER CONDITIONS: MOSTLY SUNNY

TIME EQUIPMENT DECONTAMINATED: 9:35

FIELD FILTERED SAMPLES: DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
16.3	7.31	-16	1262	1.41

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/7/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UMW-11S

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	27.41		
STATIC WATER LEVEL:	14.64		
HEIGHT OF WATER (h):	12.77		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	2.08		
RECOMMENDED PURGE VOLUME 3(CV):	6.24		
ACTUAL PURGE VOLUME	7		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	12:40
TIME BEGIN PURGE 12:10	TIME END PURGE: 12:30
PURGE TO DRY: ☐ YES ☑ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	16.81
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	16.81		
TIME BEGIN SAMPLE:	12:30		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	12:30
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
14.5	7.55	-24	450	2.16

SAMPLE PARAMETERS

PARAMETER LIST: SEE COC SAMPLE#: LABORATORY:

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 mL	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/7/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UMW-4S

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	20.1		
STATIC WATER LEVEL:	13.27		
HEIGHT OF WATER (h):	6.83		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	1.11		
RECOMMENDED PURGE VOLUME 3(CV):	3.34		
ACTUAL PURGE VOLUME	4		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	11:02
TIME BEGIN PURGE 11:02	TIME END PURGE: 11:20
PURGE TO DRY: ☐ YES	☑ NO
PURGE CONTAINED: ☑ YES	☐ NO
WATER LEVEL AFTER PURGE:	15.81
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES	☐ NO

PURGE WATER APPEARANCE: COLOR: TAN ODOR: NONE TURBIDITY: MODERATE

COMMENTS:

SAMPLE DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	15.81		
TIME BEGIN SAMPLE:	11:20		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	11:20
FIELD FILTERED SAMPLES:	NONE

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
14.5	7.3	-20	561	2.01

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs

SIGNATURE: _____ **DATE:** 5/7/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UMW-5D

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	35.1		
STATIC WATER LEVEL:	5.38		
HEIGHT OF WATER (h):	29.72		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	4.84		
RECOMMENDED PURGE VOLUME 3(CV):	14.51		
ACTUAL PURGE VOLUME	13		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	4:10
TIME BEGIN PURGE 12:40	TIME END PURGE: 1:20
PURGE TO DRY: ☐ YES ☑ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	8.11
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	8.11		
TIME BEGIN SAMPLE:	1:20		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	1:20
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
18.1	7.45	-26	610	1.77

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: **DATE:** 5/8/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UMW-5SR

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	17.84		
STATIC WATER LEVEL:	5.45		
HEIGHT OF WATER (h):	12.39		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	2.02		
RECOMMENDED PURGE VOLUME 3(CV):	6.05		
ACTUAL PURGE VOLUME	4		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	3:45
TIME BEGIN PURGE 12:45	TIME END PURGE: 1:30
PURGE TO DRY: ☑ YES ☐ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	17.84
RECHARGE RATE:	SLOW
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: BROWN ODOR: NONE TURBIDITY: MODERATE

COMMENTS:

SAMPLE DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	15.16		
TIME BEGIN SAMPLE:	1:30		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	1:30
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
15.8	7.04	-6.4	1673	3.11

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/8/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UMW-6D

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	29.01		
STATIC WATER LEVEL:	1.52		
HEIGHT OF WATER (h):	27.49		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	4.47		
RECOMMENDED PURGE VOLUME 3(CV):	13.42		
ACTUAL PURGE VOLUME	14		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	3:45
TIME BEGIN PURGE 11:00	TIME END PURGE: 11:30
PURGE TO DRY: ☐ YES ☑ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	4.61
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED:	☑ YES ☐ NO

PURGE WATER APPEARANCE: COLOR: GREYISH ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	4.61		
TIME BEGIN SAMPLE:	11:30		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	11:30
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
16	7.5	-27	655	1.88

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/8/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UMW-7D

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	31.57		
STATIC WATER LEVEL:	6.38		
HEIGHT OF WATER (h):	25.19		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	4.10		
RECOMMENDED PURGE VOLUME 3(CV):	12.30		
ACTUAL PURGE VOLUME	13		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	3:30
TIME BEGIN PURGE 9:10	TIME END PURGE: 9:35
PURGE TO DRY: ☐ YES ☑ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	9.11
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	9.11		
TIME BEGIN SAMPLE:	9:35		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	9:35
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
16.4	7.38	23	660	3.16

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/8/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UMW-7S

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	19.92		
STATIC WATER LEVEL:	4.07		
HEIGHT OF WATER (h):	15.85		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	2.58		
RECOMMENDED PURGE VOLUME 3(CV):	7.74		
ACTUAL PURGE VOLUME	8		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	3:34
TIME BEGIN PURGE: 9:10	TIME END PURGE: 9:30
PURGE TO DRY: ☐ YES ☑ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	8.41
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	8.41		
TIME BEGIN SAMPLE:	9:30		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	9:30
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
15.8	7.44	-26	710	2.56

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/8/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UMW-8R

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	15.36		
STATIC WATER LEVEL:	9.76		
HEIGHT OF WATER (h):	5.60		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	0.91		
RECOMMENDED PURGE VOLUME 3(CV):	2.73		
ACTUAL PURGE VOLUME	3		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	3:15
TIME BEGIN PURGE 1:45	TIME END PURGE: 2:30
PURGE TO DRY: ☐ YES ☑ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	11.19
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED:	☑ YES ☐ NO

PURGE WATER APPEARANCE: COLOR: TAN ODOR: N TURBIDITY: HIGH

COMMENTS:

SAMPLE DATA

DATE:	5/8/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	11.19		
TIME BEGIN SAMPLE:	2:30		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	2:30
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
16.3	6.5	-22	670	1.94

SAMPLE PARAMETERS

PARAMETER LIST: See COC SAMPLE#: LABORATORY: Pace

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 Ml	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/8/2024

RUMPKE FIELD LOG

FACILITY	Uniontown LF	STATE:	IN	LOCATION:	UMW-11S

SAMPLE SOURCE ☑ WELL ☐ STREAM ☐ POND ☐ LEACHATE ☐ SOIL ☐ OTHER

SAMPLE TYPE: ☑ GRAB ☐ COMPOSITE ☐ OTHER

PURGE/SAMPLE DEVICE ☑ BAILER ☐ PUMP ☐ OTHER

WELL INTEGRITY: EXCELLENT

COMMENTS:

EVACUATION DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
DEPTH TO BOTTOM:	27.41		
STATIC WATER LEVEL:	14.64		
HEIGHT OF WATER (h):	12.77		
WELL DIAMETER (2r):	2		
CASING VOLUME (CV) ($\pi r^2h/19.3$):	2.08		
RECOMMENDED PURGE VOLUME 3(CV):	6.24		
ACTUAL PURGE VOLUME	7		

WEATHER CONDITIONS	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	12:40
TIME BEGIN PURGE 12:10	TIME END PURGE: 12:30
PURGE TO DRY: ☐ YES ☑ NO	
PURGE CONTAINED: ☑ YES ☐ NO	
WATER LEVEL AFTER PURGE:	16.81
RECHARGE RATE:	FAST
IMMISCIBLE LAYERS CHECKED: ☑ YES ☐ NO	

PURGE WATER APPEARANCE: COLOR: CLEAR ODOR: NONE TURBIDITY: LOW

COMMENTS:

SAMPLE DATA

DATE:	5/7/2024	PERSONNEL:	RGF & JP
WATER LEVEL BEFORE SAMPLE:	16.81		
TIME BEGIN SAMPLE:	12:30		
REACTION WITH PRESERVATIVES:	NONE		
COMMENTS:			

WEATHER CONDITIONS:	MOSTLY SUNNY
TIME EQUIPMENT DECONTAMINATED:	12:30
FIELD FILTERED SAMPLES:	DISSOLVED METALS

FIELD PARAMETERS

TEMPERATURE (ºC)	pH (SU)	ORP (mv)	SPEC. COND. (umhos/cm)	DO (mg/L)
14.5	7.55	-24	450	2.16

SAMPLE PARAMETERS

PARAMETER LIST: SEE COC SAMPLE#: LABORATORY:

CONTAINER SIZE	CONTAINER TYPE	PRESERVATIVE	ANALYSES
40 mL	Glass	HCl	VOCs
250 mL	Plastic	HNO3	Dissolved Metals
500 mL	Plastic	None	No Treat Parameters

SIGNATURE: _____ **DATE:** 5/7/2024

APPENDIX 3

GROUND WATER ANALYTICAL REPORT(S)

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

May 24, 2024

Matt Overbeck
Rumpke Engineering & Environmental Affairs Division
3990 Generation Drive
Cincinnati, OH 45251

RE: Project: Uniontown Landfill
Pace Project No.: 50372908

Dear Matt Overbeck:

Enclosed are the analytical results for sample(s) received by the laboratory on May 10, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina Bedel
regina.bedel@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Dan Figac, SESCO Group
Ellen ONeil, Sesco Group

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Uniontown Landfill
Pace Project No.: 50372908

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Ohio VAP Certified Laboratory #: CL0065
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Uniontown Landfill
Pace Project No.: 50372908

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50372908001	**A-12D**	Water	05/09/24 14:35	05/10/24 12:05
50372908002	**A-12S**	Water	05/09/24 13:50	05/10/24 12:05
50372908003	**A-13**	Water	05/10/24 07:45	05/10/24 12:05
50372908004	**A-14S**	Water	05/09/24 11:40	05/10/24 12:05
50372908005	**A-15D**	Water	05/09/24 12:50	05/10/24 12:05
50372908006	**A-16D**	Water	05/07/24 13:25	05/10/24 12:05
50372908007	**A-1D**	Water	05/08/24 10:35	05/10/24 12:05
50372908008	**A-1S**	Water	05/08/24 10:30	05/10/24 12:05
50372908009	**EX-1S**	Water	05/09/24 09:05	05/10/24 12:05
50372908010	**FIELD BLANK**	Water	05/10/24 09:10	05/10/24 12:05
50372908011	**FIELD REP 1**	Water	05/10/24 08:00	05/10/24 12:05
50372908012	**FIELD REP 2**	Water	05/09/24 08:00	05/10/24 12:05
50372908013	**FIELD REP 3**	Water	05/07/24 08:00	05/10/24 12:05
50372908014	**FILTER BLANK 1**	Water	05/10/24 09:30	05/10/24 12:05
50372908015	**FILTER BLANK 2**	Water	05/10/24 09:40	05/10/24 12:05
50372908016	**GMW-10**	Water	05/09/24 10:50	05/10/24 12:05
50372908017	**GMW-2**	Water	05/10/24 08:15	05/10/24 12:05
50372908018	**GMW-4**	Water	05/07/24 10:25	05/10/24 12:05
50372908019	**GMW-6**	Water	05/09/24 10:00	05/10/24 12:05
50372908020	**GMW-7**	Water	05/08/24 11:40	05/10/24 12:05
50372908021	**P-2D**	Water	05/08/24 08:55	05/10/24 12:05
50372908022	**P-2S**	Water	05/08/24 08:50	05/10/24 12:05
50372908023	**PROBE BLANK 1**	Water	05/10/24 09:15	05/10/24 12:05
50372908024	**PROBE BLANK 2**	Water	05/10/24 09:20	05/10/24 12:05
50372908025	**TRIP BLANK**	Water	05/10/24 08:00	05/10/24 12:05
50372908026	**UGP-16**	Water	05/07/24 10:55	05/10/24 12:05
50372908027	**UGP-3**	Water	05/07/24 12:50	05/10/24 12:05
50372908028	**UMW-10D**	Water	05/07/24 09:50	05/10/24 12:05
50372908029	**UMW-10S**	Water	05/07/24 09:35	05/10/24 12:05
50372908030	**UMW-11S**	Water	05/07/24 12:30	05/10/24 12:05
50372908031	**UMW-4S**	Water	05/07/24 11:20	05/10/24 12:05
50372908032	**UMW-5D**	Water	05/08/24 13:20	05/10/24 12:05
50372908033	**UMW-5SR**	Water	05/08/24 13:30	05/10/24 12:05
50372908034	**UMW-6D**	Water	05/08/24 11:30	05/10/24 12:05
50372908035	**UMW-7D**	Water	05/08/24 09:38	05/10/24 12:05
50372908036	**UMW-7S**	Water	05/08/24 09:30	05/10/24 12:05
50372908037	**UMW-8R**	Water	05/08/24 14:30	05/10/24 12:05

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Uniontown Landfill
Pace Project No.: 50372908

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50372908001	**A-12D**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908002	**A-12S**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	ALA, TAY	44
50372908003	**A-13**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908004	**A-14S**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908005	**A-15D**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908006	**A-16D**	EPA 5030B/8260	TAY	44
50372908007	**A-1D**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908008	**A-1S**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908009	**EX-1S**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908010	**FIELD BLANK**	EPA 5030B/8260	TAY	44
50372908011	**FIELD REP 1**	EPA 5030B/8260	TAY	44
50372908012	**FIELD REP 2**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908013	**FIELD REP 3**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908014	**FILTER BLANK 1**	EPA 6010	ELK	2
50372908015	**FILTER BLANK 2**	EPA 6010	ELK	2
50372908016	**GMW-10**	EPA 300.0	KBB	2
		EPA 6010	ELK	2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: Uniontown Landfill
Pace Project No.: 50372908

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 5030B/8260	TAY	44
50372908017	**GMW-2**	EPA 5030B/8260	TAY	44
50372908018	**GMW-4**	EPA 5030B/8260	TAY	44
50372908019	**GMW-6**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908020	**GMW-7**	EPA 5030B/8260	TAY	44
50372908021	**P-2D**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908022	**P-2S**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908023	**PROBE BLANK 1**	EPA 5030B/8260	TAY	44
50372908024	**PROBE BLANK 2**	EPA 5030B/8260	TAY	44
50372908025	**TRIP BLANK**	EPA 5030B/8260	TAY	44
50372908026	**UGP-16**	EPA 5030B/8260	TAY	44
50372908027	**UGP-3**	EPA 5030B/8260	TAY	44
50372908028	**UMW-10D**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908029	**UMW-10S**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908030	**UMW-11S**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908031	**UMW-4S**	EPA 5030B/8260	TAY	44
50372908032	**UMW-5D**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908033	**UMW-5SR**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908034	**UMW-6D**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Uniontown Landfill
Pace Project No.: 50372908

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50372908035	**UMW-7D**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908036	**UMW-7S**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44
50372908037	**UMW-8R**	EPA 300.0	KBB	2
		EPA 6010	ELK	2
		EPA 5030B/8260	TAY	44

PASI-I = Pace Analytical Services - Indianapolis

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-12D **Lab ID: 50372908001** Collected: 05/09/24 14:35 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**16.1**	mg/L	0.25	1		05/23/24 08:27	16887-00-6	
Sulfate	**15.5**	mg/L	0.25	1		05/23/24 08:27	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:18	05/15/24 13:41	7439-89-6	
Manganese, Dissolved	ND	mg/L	0.015	1	05/15/24 12:18	05/15/24 13:41	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 13:04	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 13:04	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 13:04	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 13:04	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 13:04	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 13:04	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 13:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 13:04	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 13:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 13:04	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 13:04	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 13:04	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 13:04	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 13:04	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 13:04	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 13:04	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 13:04	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 13:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/14/24 13:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 13:04	107-06-2	
1,2-Dichloroethene (Total)	**6.8**	ug/L	5.0	1		05/14/24 13:04	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 13:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 13:04	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 13:04	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 13:04	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 13:04	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 13:04	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 13:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 13:04	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 13:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 13:04	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 13:04	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 13:04	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 13:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 13:04	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-12D **Lab ID: 50372908001** Collected: 05/09/24 14:35 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**1.7**	ug/L	1.0	1		05/14/24 13:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 13:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 13:04	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 13:04	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 13:04	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 13:04	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/14/24 13:04	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/14/24 13:04	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/14/24 13:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-12S **Lab ID: 50372908002** Collected: 05/09/24 13:50 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**34.2**	mg/L	2.5	10		05/23/24 08:44	16887-00-6	
Sulfate	**13.6**	mg/L	0.25	1		05/21/24 17:18	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	**17.5**	mg/L	0.10	1	05/15/24 12:18	05/15/24 13:43	7439-89-6	
Manganese, Dissolved	**3.0**	mg/L	0.015	1	05/15/24 12:18	05/15/24 13:43	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	**63.0**	ug/L	10.0	1		05/14/24 13:27	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 13:27	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 13:27	107-02-8	
Benzene	**6.2**	ug/L	2.0	1		05/14/24 13:27	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 13:27	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 13:27	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 13:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 13:27	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 13:27	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 13:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 13:27	108-90-7	
Chloroethane	**16.9**	ug/L	5.0	1		05/14/24 13:27	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 13:27	110-75-8	c2
Chloroform	**14.1**	ug/L	5.0	1		05/14/24 13:27	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 13:27	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 13:27	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 13:27	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 13:27	75-71-8	
1,1-Dichloroethane	**148**	ug/L	5.0	1		05/14/24 13:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 13:27	107-06-2	
1,2-Dichloroethene (Total)	**346**	ug/L	50.0	10		05/16/24 12:33	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 13:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 13:27	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 13:27	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 13:27	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 13:27	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 13:27	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 13:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 13:27	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 13:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 13:27	79-34-5	
Tetrachloroethene	**4.0**	ug/L	1.0	1		05/14/24 13:27	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 13:27	108-88-3	
1,1,1-Trichloroethane	**67.1**	ug/L	5.0	1		05/14/24 13:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 13:27	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-12S **Lab ID: 50372908002** Collected: 05/09/24 13:50 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**27.8**	ug/L	1.0	1		05/14/24 13:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 13:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 13:27	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 13:27	108-05-4	L1
Vinyl chloride	**125**	ug/L	2.0	1		05/14/24 13:27	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 13:27	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/14/24 13:27	460-00-4	
Dibromofluoromethane (S)	98	%.	82-128	1		05/14/24 13:27	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/14/24 13:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-13 **Lab ID: 50372908003** Collected: 05/10/24 07:45 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**1.6**	mg/L	0.25	1		05/23/24 09:02	16887-00-6	
Sulfate	**316**	mg/L	2.5	10		05/21/24 18:08	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	**28.3**	mg/L	0.10	1	05/15/24 12:18	05/15/24 13:45	7439-89-6	
Manganese, Dissolved	**1.5**	mg/L	0.015	1	05/15/24 12:18	05/15/24 13:45	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	**84.7**	ug/L	10.0	1		05/14/24 13:50	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 13:50	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 13:50	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 13:50	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 13:50	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 13:50	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 13:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 13:50	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 13:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 13:50	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 13:50	108-90-7	
Chloroethane	**53.4**	ug/L	5.0	1		05/14/24 13:50	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 13:50	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 13:50	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 13:50	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 13:50	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 13:50	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 13:50	75-71-8	
1,1-Dichloroethane	**10.5**	ug/L	5.0	1		05/14/24 13:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 13:50	107-06-2	
1,2-Dichloroethene (Total)	**44.2**	ug/L	5.0	1		05/14/24 13:50	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 13:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 13:50	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 13:50	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 13:50	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 13:50	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 13:50	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 13:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 13:50	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 13:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 13:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 13:50	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 13:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 13:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 13:50	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-13 **Lab ID: 50372908003** Collected: 05/10/24 07:45 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	ND	ug/L	1.0	1		05/14/24 13:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 13:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 13:50	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 13:50	108-05-4	L1
Vinyl chloride	**13.5**	ug/L	2.0	1		05/14/24 13:50	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 13:50	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	79-124	1		05/14/24 13:50	460-00-4	
Dibromofluoromethane (S)	97	%.	82-128	1		05/14/24 13:50	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/14/24 13:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-14S **Lab ID: 50372908004** Collected: 05/09/24 11:40 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**21.5**	mg/L	2.5	10		05/23/24 09:19	16887-00-6	
Sulfate	**43.8**	mg/L	2.5	10		05/23/24 09:19	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:18	05/15/24 13:46	7439-89-6	
Manganese, Dissolved	**0.44**	mg/L	0.015	1	05/15/24 12:18	05/15/24 13:46	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 14:13	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 14:13	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 14:13	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 14:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 14:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 14:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 14:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 14:13	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 14:13	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 14:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 14:13	108-90-7	
Chloroethane	**7.6**	ug/L	5.0	1		05/14/24 14:13	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 14:13	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 14:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 14:13	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 14:13	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 14:13	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 14:13	75-71-8	
1,1-Dichloroethane	**5.1**	ug/L	5.0	1		05/14/24 14:13	75-34-3	
1,2-Dichloroethane	**3.8**	ug/L	1.0	1		05/14/24 14:13	107-06-2	
1,2-Dichloroethene (Total)	**40.3**	ug/L	5.0	1		05/14/24 14:13	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 14:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 14:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 14:13	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 14:13	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 14:13	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 14:13	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 14:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 14:13	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 14:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 14:13	79-34-5	
Tetrachloroethene	**1.8**	ug/L	1.0	1		05/14/24 14:13	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 14:13	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 14:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 14:13	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-14S **Lab ID: 50372908004** Collected: 05/09/24 11:40 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**1.5**	ug/L	1.0	1		05/14/24 14:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 14:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 14:13	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 14:13	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 14:13	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 14:13	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/14/24 14:13	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/14/24 14:13	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/14/24 14:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-15D **Lab ID: 50372908005** Collected: 05/09/24 12:50 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**26.2**	mg/L	2.5	10		05/23/24 09:36	16887-00-6	
Sulfate	**12.2**	mg/L	0.25	1		05/21/24 19:33	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:18	05/15/24 13:48	7439-89-6	
Manganese, Dissolved	ND	mg/L	0.015	1	05/15/24 12:18	05/15/24 13:48	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 14:36	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 14:36	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 14:36	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 14:36	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 14:36	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 14:36	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 14:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 14:36	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 14:36	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 14:36	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 14:36	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 14:36	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 14:36	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 14:36	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 14:36	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 14:36	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 14:36	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 14:36	75-71-8	
1,1-Dichloroethane	**9.3**	ug/L	5.0	1		05/14/24 14:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 14:36	107-06-2	
1,2-Dichloroethene (Total)	**32.4**	ug/L	5.0	1		05/14/24 14:36	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 14:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 14:36	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 14:36	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 14:36	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 14:36	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 14:36	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 14:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 14:36	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 14:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 14:36	79-34-5	
Tetrachloroethene	**1.8**	ug/L	1.0	1		05/14/24 14:36	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 14:36	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 14:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 14:36	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-15D **Lab ID: 50372908005** Collected: 05/09/24 12:50 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**12.7**	ug/L	1.0	1		05/14/24 14:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 14:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 14:36	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 14:36	108-05-4	L1
Vinyl chloride	**3.4**	ug/L	2.0	1		05/14/24 14:36	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 14:36	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	79-124	1		05/14/24 14:36	460-00-4	
Dibromofluoromethane (S)	97	%.	82-128	1		05/14/24 14:36	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/14/24 14:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-16D **Lab ID: 50372908006** Collected: 05/07/24 13:25 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 14:59	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 14:59	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 14:59	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 14:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 14:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 14:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 14:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 14:59	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 14:59	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 14:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 14:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 14:59	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 14:59	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 14:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 14:59	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 14:59	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 14:59	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 14:59	75-71-8	
1,1-Dichloroethane	**9.5**	ug/L	5.0	1		05/14/24 14:59	75-34-3	
1,2-Dichloroethane	**10.2**	ug/L	1.0	1		05/14/24 14:59	107-06-2	
1,2-Dichloroethene (Total)	**39.7**	ug/L	5.0	1		05/14/24 14:59	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 14:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 14:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 14:59	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 14:59	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 14:59	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 14:59	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 14:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 14:59	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 14:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 14:59	79-34-5	
Tetrachloroethene	**1.2**	ug/L	1.0	1		05/14/24 14:59	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 14:59	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 14:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 14:59	79-00-5	
Trichloroethene	**2.2**	ug/L	1.0	1		05/14/24 14:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 14:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 14:59	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 14:59	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 14:59	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 14:59	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/14/24 14:59	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/14/24 14:59	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/14/24 14:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-1D **Lab ID: 50372908007** Collected: 05/08/24 10:35 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**29.1**	mg/L	2.5	10		05/23/24 09:54	16887-00-6	
Sulfate	**7.3**	mg/L	0.25	1		05/21/24 20:07	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	**0.86**	mg/L	0.10	1	05/15/24 12:18	05/15/24 13:50	7439-89-6	
Manganese, Dissolved	**0.38**	mg/L	0.015	1	05/15/24 12:18	05/15/24 13:50	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 15:22	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 15:22	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 15:22	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 15:22	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 15:22	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 15:22	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 15:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 15:22	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 15:22	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 15:22	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 15:22	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 15:22	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 15:22	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 15:22	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 15:22	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 15:22	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 15:22	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 15:22	75-71-8	
1,1-Dichloroethane	**7.0**	ug/L	5.0	1		05/14/24 15:22	75-34-3	
1,2-Dichloroethane	**11.4**	ug/L	1.0	1		05/14/24 15:22	107-06-2	
1,2-Dichloroethene (Total)	**28.9**	ug/L	5.0	1		05/14/24 15:22	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 15:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 15:22	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 15:22	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 15:22	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 15:22	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 15:22	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 15:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 15:22	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 15:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 15:22	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 15:22	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 15:22	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 15:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 15:22	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-1D **Lab ID: 50372908007** Collected: 05/08/24 10:35 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**5.0**	ug/L	1.0	1		05/14/24 15:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 15:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 15:22	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 15:22	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 15:22	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 15:22	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	79-124	1		05/14/24 15:22	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/14/24 15:22	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/14/24 15:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-1S **Lab ID: 50372908008** Collected: 05/08/24 10:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**36.5**	mg/L	2.5	10		05/23/24 10:11	16887-00-6	
Sulfate	**13.8**	mg/L	0.25	1		05/21/24 20:42	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:18	05/15/24 13:52	7439-89-6	
Manganese, Dissolved	**0.099**	mg/L	0.015	1	05/15/24 12:18	05/15/24 13:52	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 15:45	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 15:45	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 15:45	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 15:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 15:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 15:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 15:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 15:45	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 15:45	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 15:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 15:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 15:45	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 15:45	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 15:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 15:45	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 15:45	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 15:45	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 15:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/14/24 15:45	75-34-3	
1,2-Dichloroethane	**3.1**	ug/L	1.0	1		05/14/24 15:45	107-06-2	
1,2-Dichloroethene (Total)	**12.1**	ug/L	5.0	1		05/14/24 15:45	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 15:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 15:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 15:45	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 15:45	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 15:45	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 15:45	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 15:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 15:45	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 15:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 15:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 15:45	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 15:45	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 15:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 15:45	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: A-1S **Lab ID: 50372908008** Collected: 05/08/24 10:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**1.9**	ug/L	1.0	1		05/14/24 15:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 15:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 15:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 15:45	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 15:45	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 15:45	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/14/24 15:45	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/14/24 15:45	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/14/24 15:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: EX-1S **Lab ID: 50372908009** Collected: 05/09/24 09:05 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**25.8**	mg/L	2.5	10		05/23/24 10:28	16887-00-6	
Sulfate	**37.1**	mg/L	0.25	1		05/21/24 21:17	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:18	05/15/24 13:53	7439-89-6	
Manganese, Dissolved	**0.36**	mg/L	0.015	1	05/15/24 12:18	05/15/24 13:53	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 16:08	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 16:08	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 16:08	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 16:08	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 16:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 16:08	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 16:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 16:08	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 16:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 16:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 16:08	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 16:08	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 16:08	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 16:08	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 16:08	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 16:08	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 16:08	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 16:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/14/24 16:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 16:08	107-06-2	
1,2-Dichloroethene (Total)	**5.2**	ug/L	5.0	1		05/14/24 16:08	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 16:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 16:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 16:08	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 16:08	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 16:08	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 16:08	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 16:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 16:08	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 16:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 16:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 16:08	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 16:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 16:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 16:08	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: EX-1S **Lab ID: 50372908009** Collected: 05/09/24 09:05 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	ND	ug/L	1.0	1		05/14/24 16:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 16:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 16:08	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 16:08	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 16:08	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 16:08	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/14/24 16:08	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/14/24 16:08	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/14/24 16:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: FIELD BLANK **Lab ID: 50372908010** Collected: 05/10/24 09:10 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 16:31	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 16:31	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 16:31	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 16:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 16:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 16:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 16:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 16:31	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 16:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 16:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 16:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 16:31	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 16:31	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 16:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 16:31	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 16:31	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 16:31	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 16:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/14/24 16:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 16:31	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/14/24 16:31	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 16:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 16:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 16:31	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 16:31	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 16:31	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 16:31	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 16:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 16:31	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 16:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 16:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 16:31	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 16:31	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 16:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 16:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/14/24 16:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 16:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 16:31	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 16:31	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 16:31	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 16:31	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/14/24 16:31	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/14/24 16:31	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/14/24 16:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: FIELD REP 1 **Lab ID: 50372908011** Collected: 05/10/24 08:00 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 16:54	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 16:54	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 16:54	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 16:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 16:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 16:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 16:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 16:54	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 16:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 16:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 16:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 16:54	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 16:54	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 16:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 16:54	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 16:54	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 16:54	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 16:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/14/24 16:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 16:54	107-06-2	
1,2-Dichloroethene (Total)	**14.5**	ug/L	5.0	1		05/14/24 16:54	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 16:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 16:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 16:54	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 16:54	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 16:54	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 16:54	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 16:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 16:54	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 16:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 16:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 16:54	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 16:54	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 16:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 16:54	79-00-5	
Trichloroethene	**2.3**	ug/L	1.0	1		05/14/24 16:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 16:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 16:54	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 16:54	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 16:54	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 16:54	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/14/24 16:54	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/14/24 16:54	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/14/24 16:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: FIELD REP 2 **Lab ID: 50372908012** Collected: 05/09/24 08:00 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**25.5**	mg/L	2.5	10		05/23/24 12:30	16887-00-6	
Sulfate	**12.0**	mg/L	0.25	1		05/21/24 22:57	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:18	05/15/24 13:58	7439-89-6	
Manganese, Dissolved	ND	mg/L	0.015	1	05/15/24 12:18	05/15/24 13:58	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 17:17	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 17:17	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 17:17	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 17:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 17:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 17:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 17:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 17:17	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 17:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 17:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 17:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 17:17	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 17:17	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 17:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 17:17	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 17:17	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 17:17	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 17:17	75-71-8	
1,1-Dichloroethane	**10.1**	ug/L	5.0	1		05/14/24 17:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 17:17	107-06-2	
1,2-Dichloroethene (Total)	**35.3**	ug/L	5.0	1		05/14/24 17:17	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 17:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 17:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 17:17	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 17:17	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 17:17	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 17:17	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 17:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 17:17	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 17:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 17:17	79-34-5	
Tetrachloroethene	**1.9**	ug/L	1.0	1		05/14/24 17:17	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 17:17	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 17:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 17:17	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: FIELD REP 2 **Lab ID: 50372908012** Collected: 05/09/24 08:00 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**14.1**	ug/L	1.0	1		05/14/24 17:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 17:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 17:17	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 17:17	108-05-4	L1
Vinyl chloride	**3.9**	ug/L	2.0	1		05/14/24 17:17	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 17:17	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/14/24 17:17	460-00-4	
Dibromofluoromethane (S)	97	%.	82-128	1		05/14/24 17:17	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/14/24 17:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: FIELD REP 3 **Lab ID: 50372908013** Collected: 05/07/24 08:00 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**295**	mg/L	25.0	100		05/23/24 12:48	16887-00-6	
Sulfate	**22.1**	mg/L	0.25	1		05/21/24 21:52	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:18	05/15/24 14:00	7439-89-6	
Manganese, Dissolved	ND	mg/L	0.015	1	05/15/24 12:18	05/15/24 14:00	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 17:39	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 17:39	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 17:39	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 17:39	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 17:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 17:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 17:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 17:39	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 17:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 17:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 17:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 17:39	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 17:39	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 17:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 17:39	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 17:39	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 17:39	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 17:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/14/24 17:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 17:39	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/14/24 17:39	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 17:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 17:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 17:39	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 17:39	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 17:39	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 17:39	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 17:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 17:39	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 17:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 17:39	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 17:39	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 17:39	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 17:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 17:39	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: FIELD REP 3 **Lab ID: 50372908013** Collected: 05/07/24 08:00 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	ND	ug/L	1.0	1		05/14/24 17:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 17:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 17:39	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 17:39	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 17:39	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 17:39	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/14/24 17:39	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/14/24 17:39	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/14/24 17:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: FILTER BLANK 1 **Lab ID: 50372908014** Collected: 05/10/24 09:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:18	05/15/24 14:02	7439-89-6	
Manganese, Dissolved	ND	mg/L	0.015	1	05/15/24 12:18	05/15/24 14:02	7439-96-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: FILTER BLANK 2 **Lab ID: 50372908015** Collected: 05/10/24 09:40 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:18	05/15/24 14:04	7439-89-6	
Manganese, Dissolved	ND	mg/L	0.015	1	05/15/24 12:18	05/15/24 14:04	7439-96-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: GMW-10 **Lab ID: 50372908016** Collected: 05/09/24 10:50 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**20.5**	mg/L	0.25	1		05/23/24 13:05	16887-00-6	
Sulfate	**10.6**	mg/L	0.25	1		05/23/24 13:05	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:18	05/15/24 14:05	7439-89-6	
Manganese, Dissolved	**0.27**	mg/L	0.015	1	05/15/24 12:18	05/15/24 14:05	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 18:02	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 18:02	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 18:02	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 18:02	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 18:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 18:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 18:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 18:02	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 18:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 18:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 18:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 18:02	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 18:02	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 18:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 18:02	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 18:02	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 18:02	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 18:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/14/24 18:02	75-34-3	
1,2-Dichloroethane	**2.0**	ug/L	1.0	1		05/14/24 18:02	107-06-2	
1,2-Dichloroethene (Total)	**22.9**	ug/L	5.0	1		05/14/24 18:02	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 18:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 18:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 18:02	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 18:02	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 18:02	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 18:02	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 18:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 18:02	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 18:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 18:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 18:02	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 18:02	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 18:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 18:02	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: GMW-10 **Lab ID: 50372908016** Collected: 05/09/24 10:50 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	ND	ug/L	1.0	1		05/14/24 18:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 18:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 18:02	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 18:02	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 18:02	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 18:02	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	79-124	1		05/14/24 18:02	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/14/24 18:02	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/14/24 18:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: GMW-2 **Lab ID: 50372908017** Collected: 05/10/24 08:15 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 18:25	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 18:25	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 18:25	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 18:25	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 18:25	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 18:25	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 18:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 18:25	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 18:25	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 18:25	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 18:25	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 18:25	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 18:25	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 18:25	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 18:25	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 18:25	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 18:25	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 18:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/14/24 18:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 18:25	107-06-2	
1,2-Dichloroethene (Total)	**14.5**	ug/L	5.0	1		05/14/24 18:25	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 18:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 18:25	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 18:25	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 18:25	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 18:25	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 18:25	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 18:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 18:25	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 18:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 18:25	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 18:25	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 18:25	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 18:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 18:25	79-00-5	
Trichloroethene	**2.3**	ug/L	1.0	1		05/14/24 18:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 18:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 18:25	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 18:25	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 18:25	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 18:25	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	79-124	1		05/14/24 18:25	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/14/24 18:25	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/14/24 18:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: GMW-4 **Lab ID: 50372908018** Collected: 05/07/24 10:25 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 18:48	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 18:48	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 18:48	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 18:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 18:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 18:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 18:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 18:48	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 18:48	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 18:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 18:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 18:48	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 18:48	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 18:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 18:48	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 18:48	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 18:48	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 18:48	75-71-8	
1,1-Dichloroethane	**9.2**	ug/L	5.0	1		05/14/24 18:48	75-34-3	
1,2-Dichloroethane	**1.2**	ug/L	1.0	1		05/14/24 18:48	107-06-2	
1,2-Dichloroethene (Total)	**39.8**	ug/L	5.0	1		05/14/24 18:48	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 18:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 18:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 18:48	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 18:48	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 18:48	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 18:48	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 18:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 18:48	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 18:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 18:48	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 18:48	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 18:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 18:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 18:48	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/14/24 18:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 18:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 18:48	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 18:48	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 18:48	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 18:48	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	79-124	1		05/14/24 18:48	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/14/24 18:48	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/14/24 18:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: GMW-6 **Lab ID: 50372908019** Collected: 05/09/24 10:00 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**10.1**	mg/L	0.25	1		05/23/24 13:23	16887-00-6	
Sulfate	**7.1**	mg/L	0.25	1		05/23/24 13:23	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	**0.12**	mg/L	0.10	1	05/15/24 12:18	05/15/24 14:07	7439-89-6	
Manganese, Dissolved	**0.90**	mg/L	0.015	1	05/15/24 12:18	05/15/24 14:07	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 06:17	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 06:17	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 06:17	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 06:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 06:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 06:17	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 06:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 06:17	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 06:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 06:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 06:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 06:17	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 06:17	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 06:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 06:17	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 06:17	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 06:17	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 06:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 06:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/24 06:17	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/15/24 06:17	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 06:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 06:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 06:17	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 06:17	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 06:17	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 06:17	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 06:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 06:17	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 06:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 06:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 06:17	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 06:17	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 06:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 06:17	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: GMW-6 **Lab ID: 50372908019** Collected: 05/09/24 10:00 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	ND	ug/L	1.0	1		05/15/24 06:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 06:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 06:17	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 06:17	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 06:17	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 06:17	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/15/24 06:17	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/15/24 06:17	1868-53-7	
Toluene-d8 (S)	106	%.	73-122	1		05/15/24 06:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: GMW-7 **Lab ID: 50372908020** Collected: 05/08/24 11:40 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 00:09	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 00:09	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 00:09	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 00:09	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 00:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 00:09	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 00:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 00:09	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 00:09	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 00:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 00:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 00:09	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 00:09	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 00:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 00:09	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 00:09	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 00:09	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 00:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 00:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/24 00:09	107-06-2	
1,2-Dichloroethene (Total)	**9.5**	ug/L	5.0	1		05/15/24 00:09	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 00:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 00:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 00:09	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 00:09	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 00:09	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 00:09	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 00:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 00:09	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 00:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 00:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 00:09	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 00:09	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 00:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 00:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/15/24 00:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 00:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 00:09	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 00:09	108-05-4	L1
Vinyl chloride	**4.7**	ug/L	2.0	1		05/15/24 00:09	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 00:09	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/15/24 00:09	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/15/24 00:09	1868-53-7	
Toluene-d8 (S)	103	%.	73-122	1		05/15/24 00:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: P-2D **Lab ID: 50372908021** Collected: 05/08/24 08:55 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**15.8**	mg/L	0.25	1		05/23/24 13:40	16887-00-6	
Sulfate	**18.6**	mg/L	0.25	1		05/23/24 13:40	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	**1.8**	mg/L	0.10	1	05/15/24 12:18	05/15/24 14:09	7439-89-6	
Manganese, Dissolved	**0.21**	mg/L	0.015	1	05/15/24 12:18	05/15/24 14:09	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 00:32	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 00:32	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 00:32	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 00:32	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 00:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 00:32	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 00:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 00:32	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 00:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 00:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 00:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 00:32	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 00:32	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 00:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 00:32	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 00:32	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 00:32	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 00:32	75-71-8	
1,1-Dichloroethane	**5.0**	ug/L	5.0	1		05/15/24 00:32	75-34-3	
1,2-Dichloroethane	**28.5**	ug/L	1.0	1		05/15/24 00:32	107-06-2	
1,2-Dichloroethene (Total)	**21.8**	ug/L	5.0	1		05/15/24 00:32	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 00:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 00:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 00:32	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 00:32	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 00:32	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 00:32	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 00:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 00:32	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 00:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 00:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 00:32	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 00:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 00:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 00:32	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: P-2D **Lab ID: 50372908021** Collected: 05/08/24 08:55 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**17.1**	ug/L	1.0	1		05/15/24 00:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 00:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 00:32	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 00:32	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 00:32	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 00:32	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	79-124	1		05/15/24 00:32	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/15/24 00:32	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/15/24 00:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: P-2S **Lab ID: 50372908022** Collected: 05/08/24 08:50 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**24.2**	mg/L	0.25	1		05/23/24 13:57	16887-00-6	
Sulfate	**20.6**	mg/L	0.25	1		05/23/24 13:57	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	**1.3**	mg/L	0.10	1	05/15/24 12:18	05/15/24 14:11	7439-89-6	
Manganese, Dissolved	**0.12**	mg/L	0.015	1	05/15/24 12:18	05/15/24 14:11	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 00:55	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 00:55	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 00:55	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 00:55	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 00:55	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 00:55	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 00:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 00:55	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 00:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 00:55	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 00:55	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 00:55	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 00:55	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 00:55	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 00:55	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 00:55	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 00:55	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 00:55	75-71-8	
1,1-Dichloroethane	**12.2**	ug/L	5.0	1		05/15/24 00:55	75-34-3	
1,2-Dichloroethane	**42.9**	ug/L	1.0	1		05/15/24 00:55	107-06-2	
1,2-Dichloroethene (Total)	**38.7**	ug/L	5.0	1		05/15/24 00:55	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 00:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 00:55	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 00:55	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 00:55	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 00:55	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 00:55	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 00:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 00:55	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 00:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 00:55	79-34-5	
Tetrachloroethene	**14.3**	ug/L	1.0	1		05/15/24 00:55	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 00:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 00:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 00:55	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: P-2S **Lab ID: 50372908022** Collected: 05/08/24 08:50 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**14.9**	ug/L	1.0	1		05/15/24 00:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 00:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 00:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 00:55	108-05-4	L1
Vinyl chloride	**3.2**	ug/L	2.0	1		05/15/24 00:55	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 00:55	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	79-124	1		05/15/24 00:55	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/15/24 00:55	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/15/24 00:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: PROBE BLANK 1 **Lab ID: 50372908023** Collected: 05/10/24 09:15 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 01:18	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 01:18	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 01:18	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 01:18	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 01:18	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 01:18	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 01:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 01:18	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 01:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 01:18	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 01:18	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 01:18	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 01:18	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 01:18	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 01:18	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 01:18	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 01:18	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 01:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 01:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/24 01:18	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/15/24 01:18	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 01:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 01:18	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 01:18	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 01:18	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 01:18	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 01:18	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 01:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 01:18	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 01:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 01:18	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 01:18	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 01:18	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 01:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 01:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/15/24 01:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 01:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 01:18	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 01:18	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 01:18	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 01:18	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	79-124	1		05/15/24 01:18	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/15/24 01:18	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/15/24 01:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: PROBE BLANK 2 **Lab ID: 50372908024** Collected: 05/10/24 09:20 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 01:41	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 01:41	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 01:41	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 01:41	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 01:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 01:41	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 01:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 01:41	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 01:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 01:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 01:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 01:41	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 01:41	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 01:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 01:41	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 01:41	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 01:41	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 01:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 01:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/24 01:41	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/15/24 01:41	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 01:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 01:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 01:41	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 01:41	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 01:41	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 01:41	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 01:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 01:41	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 01:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 01:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 01:41	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 01:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 01:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 01:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/15/24 01:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 01:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 01:41	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 01:41	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 01:41	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 01:41	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	79-124	1		05/15/24 01:41	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/15/24 01:41	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/15/24 01:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: TRIP BLANK **Lab ID: 50372908025** Collected: 05/10/24 08:00 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 23:01	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 23:01	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 23:01	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 23:01	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 23:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 23:01	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/14/24 23:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 23:01	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 23:01	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 23:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 23:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 23:01	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 23:01	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/14/24 23:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 23:01	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 23:01	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 23:01	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 23:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/14/24 23:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 23:01	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/14/24 23:01	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 23:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 23:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 23:01	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 23:01	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 23:01	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 23:01	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 23:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 23:01	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 23:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 23:01	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 23:01	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 23:01	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 23:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 23:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/14/24 23:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 23:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 23:01	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 23:01	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 23:01	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 23:01	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	79-124	1		05/14/24 23:01	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/14/24 23:01	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/14/24 23:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UGP-16 **Lab ID: 50372908026** Collected: 05/07/24 10:55 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 02:04	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 02:04	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 02:04	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 02:04	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 02:04	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 02:04	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 02:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 02:04	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 02:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 02:04	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 02:04	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 02:04	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 02:04	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 02:04	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 02:04	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 02:04	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 02:04	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 02:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 02:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/24 02:04	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/15/24 02:04	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 02:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 02:04	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 02:04	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 02:04	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 02:04	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 02:04	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 02:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 02:04	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 02:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 02:04	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 02:04	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 02:04	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 02:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 02:04	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/15/24 02:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 02:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 02:04	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 02:04	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 02:04	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 02:04	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%.	79-124	1		05/15/24 02:04	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/15/24 02:04	1868-53-7	
Toluene-d8 (S)	106	%.	73-122	1		05/15/24 02:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UGP-3 **Lab ID: 50372908027** Collected: 05/07/24 12:50 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 02:27	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 02:27	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 02:27	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 02:27	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 02:27	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 02:27	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 02:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 02:27	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 02:27	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 02:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 02:27	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 02:27	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 02:27	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 02:27	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 02:27	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 02:27	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 02:27	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 02:27	75-71-8	
1,1-Dichloroethane	**5.9**	ug/L	5.0	1		05/15/24 02:27	75-34-3	
1,2-Dichloroethane	**12.1**	ug/L	1.0	1		05/15/24 02:27	107-06-2	
1,2-Dichloroethene (Total)	**23.8**	ug/L	5.0	1		05/15/24 02:27	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 02:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 02:27	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 02:27	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 02:27	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 02:27	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 02:27	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 02:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 02:27	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 02:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 02:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 02:27	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 02:27	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 02:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 02:27	79-00-5	
Trichloroethene	**3.9**	ug/L	1.0	1		05/15/24 02:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 02:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 02:27	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 02:27	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 02:27	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 02:27	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	79-124	1		05/15/24 02:27	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/15/24 02:27	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/15/24 02:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-10D **Lab ID: 50372908028** Collected: 05/07/24 09:50 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**173**	mg/L	2.5	10		05/23/24 14:15	16887-00-6	
Sulfate	**40.2**	mg/L	0.25	1		05/22/24 02:36	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:18	05/15/24 14:12	7439-89-6	
Manganese, Dissolved	ND	mg/L	0.015	1	05/15/24 12:18	05/15/24 14:12	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/14/24 19:34	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/14/24 19:34	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/14/24 19:34	107-02-8	
Benzene	ND	ug/L	2.0	1		05/14/24 19:34	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/24 19:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/24 19:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/24 19:34	74-83-9	R1
2-Butanone (MEK)	ND	ug/L	10.0	1		05/14/24 19:34	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/14/24 19:34	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/14/24 19:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/24 19:34	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/24 19:34	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/14/24 19:34	110-75-8	M1,c2
Chloroform	ND	ug/L	5.0	1		05/14/24 19:34	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/24 19:34	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/24 19:34	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/14/24 19:34	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/14/24 19:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/14/24 19:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/14/24 19:34	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/14/24 19:34	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 19:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/24 19:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/24 19:34	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/14/24 19:34	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/14/24 19:34	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/14/24 19:34	74-88-4	R1
Methylene Chloride	ND	ug/L	5.0	1		05/14/24 19:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/14/24 19:34	108-10-1	
Styrene	ND	ug/L	5.0	1		05/14/24 19:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/24 19:34	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/14/24 19:34	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/24 19:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/24 19:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/14/24 19:34	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-10D **Lab ID: 50372908028** Collected: 05/07/24 09:50 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	ND	ug/L	1.0	1		05/14/24 19:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/24 19:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/14/24 19:34	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/14/24 19:34	108-05-4	L1,M0
Vinyl chloride	ND	ug/L	2.0	1		05/14/24 19:34	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/14/24 19:34	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	79-124	1		05/14/24 19:34	460-00-4	
Dibromofluoromethane (S)	94	%.	82-128	1		05/14/24 19:34	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/14/24 19:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-10S **Lab ID: 50372908029** Collected: 05/07/24 09:35 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**258**	mg/L	25.0	100		05/23/24 14:32	16887-00-6	
Sulfate	**19.3**	mg/L	0.25	1		05/22/24 07:01	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:20	05/15/24 14:26	7439-89-6	
Manganese, Dissolved	ND	mg/L	0.015	1	05/15/24 12:20	05/15/24 14:26	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 06:40	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 06:40	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 06:40	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 06:40	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 06:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 06:40	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 06:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 06:40	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 06:40	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 06:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 06:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 06:40	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 06:40	110-75-8	M1,c2
Chloroform	ND	ug/L	5.0	1		05/15/24 06:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 06:40	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 06:40	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 06:40	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 06:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 06:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/24 06:40	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/15/24 06:40	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 06:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 06:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 06:40	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 06:40	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 06:40	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 06:40	74-88-4	R1
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 06:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 06:40	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 06:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 06:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 06:40	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 06:40	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 06:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 06:40	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-10S **Lab ID: 50372908029** Collected: 05/07/24 09:35 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	ND	ug/L	1.0	1		05/15/24 06:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 06:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 06:40	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 06:40	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 06:40	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 06:40	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/15/24 06:40	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/15/24 06:40	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/15/24 06:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-11S **Lab ID: 50372908030** Collected: 05/07/24 12:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**2.3**	mg/L	0.25	1		05/23/24 14:49	16887-00-6	
Sulfate	**3.6**	mg/L	0.25	1		05/23/24 14:49	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:20	05/15/24 14:33	7439-89-6	
Manganese, Dissolved	**0.36**	mg/L	0.015	1	05/15/24 12:20	05/15/24 14:33	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 02:50	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 02:50	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 02:50	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 02:50	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 02:50	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 02:50	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 02:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 02:50	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 02:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 02:50	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 02:50	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 02:50	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 02:50	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 02:50	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 02:50	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 02:50	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 02:50	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 02:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 02:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/24 02:50	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/15/24 02:50	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 02:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 02:50	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 02:50	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 02:50	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 02:50	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 02:50	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 02:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 02:50	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 02:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 02:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 02:50	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 02:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 02:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 02:50	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-11S **Lab ID: 50372908030** Collected: 05/07/24 12:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	ND	ug/L	1.0	1		05/15/24 02:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 02:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 02:50	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 02:50	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 02:50	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 02:50	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/15/24 02:50	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/15/24 02:50	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/15/24 02:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-4S **Lab ID: 50372908031** Collected: 05/07/24 11:20 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 03:13	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 03:13	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 03:13	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 03:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 03:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 03:13	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 03:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 03:13	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 03:13	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 03:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 03:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 03:13	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 03:13	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 03:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 03:13	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 03:13	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 03:13	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 03:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 03:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/24 03:13	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/15/24 03:13	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 03:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 03:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 03:13	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 03:13	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 03:13	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 03:13	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 03:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 03:13	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 03:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 03:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 03:13	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 03:13	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 03:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 03:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/15/24 03:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 03:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 03:13	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 03:13	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 03:13	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 03:13	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/15/24 03:13	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/15/24 03:13	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/15/24 03:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-5D **Lab ID: 50372908032** Collected: 05/08/24 13:20 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**19.9**	mg/L	0.25	1		05/23/24 15:59	16887-00-6	
Sulfate	**2.3**	mg/L	0.25	1		05/23/24 15:59	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	**0.58**	mg/L	0.10	1	05/15/24 12:20	05/15/24 14:35	7439-89-6	
Manganese, Dissolved	**0.60**	mg/L	0.015	1	05/15/24 12:20	05/15/24 14:35	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 03:36	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 03:36	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 03:36	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 03:36	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 03:36	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 03:36	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 03:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 03:36	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 03:36	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 03:36	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 03:36	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 03:36	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 03:36	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 03:36	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 03:36	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 03:36	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 03:36	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 03:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 03:36	75-34-3	
1,2-Dichloroethane	**3.6**	ug/L	1.0	1		05/15/24 03:36	107-06-2	
1,2-Dichloroethene (Total)	**10.1**	ug/L	5.0	1		05/15/24 03:36	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 03:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 03:36	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 03:36	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 03:36	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 03:36	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 03:36	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 03:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 03:36	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 03:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 03:36	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 03:36	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 03:36	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 03:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 03:36	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-5D **Lab ID: 50372908032** Collected: 05/08/24 13:20 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**1.7**	ug/L	1.0	1		05/15/24 03:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 03:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 03:36	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 03:36	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 03:36	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 03:36	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%.	79-124	1		05/15/24 03:36	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/15/24 03:36	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/15/24 03:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-5SR **Lab ID: 50372908033** Collected: 05/08/24 13:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**246**	mg/L	2.5	10		05/23/24 15:07	16887-00-6	
Sulfate	**14.7**	mg/L	0.25	1		05/22/24 04:00	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	**0.38**	mg/L	0.10	1	05/15/24 12:20	05/15/24 14:40	7439-89-6	
Manganese, Dissolved	**5.0**	mg/L	0.015	1	05/15/24 12:20	05/15/24 14:40	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 03:59	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 03:59	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 03:59	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 03:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 03:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 03:59	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 03:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 03:59	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 03:59	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 03:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 03:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 03:59	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 03:59	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 03:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 03:59	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 03:59	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 03:59	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 03:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 03:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/24 03:59	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/15/24 03:59	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 03:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 03:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 03:59	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 03:59	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 03:59	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 03:59	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 03:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 03:59	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 03:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 03:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 03:59	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 03:59	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 03:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 03:59	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-5SR **Lab ID: 50372908033** Collected: 05/08/24 13:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	ND	ug/L	1.0	1		05/15/24 03:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 03:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 03:59	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 03:59	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 03:59	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 03:59	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	79-124	1		05/15/24 03:59	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/15/24 03:59	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/15/24 03:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-6D **Lab ID: 50372908034** Collected: 05/08/24 11:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**19.1**	mg/L	0.25	1		05/23/24 16:16	16887-00-6	
Sulfate	**19.2**	mg/L	0.25	1		05/23/24 16:16	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	**3.6**	mg/L	0.10	1	05/15/24 12:20	05/15/24 14:42	7439-89-6	
Manganese, Dissolved	**0.80**	mg/L	0.015	1	05/15/24 12:20	05/15/24 14:42	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 04:22	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 04:22	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 04:22	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 04:22	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 04:22	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 04:22	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 04:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 04:22	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 04:22	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 04:22	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 04:22	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 04:22	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 04:22	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 04:22	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 04:22	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 04:22	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 04:22	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 04:22	75-71-8	
1,1-Dichloroethane	**7.5**	ug/L	5.0	1		05/15/24 04:22	75-34-3	
1,2-Dichloroethane	**28.1**	ug/L	1.0	1		05/15/24 04:22	107-06-2	
1,2-Dichloroethene (Total)	**59.8**	ug/L	5.0	1		05/15/24 04:22	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 04:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 04:22	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 04:22	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 04:22	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 04:22	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 04:22	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 04:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 04:22	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 04:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 04:22	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 04:22	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 04:22	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 04:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 04:22	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-6D **Lab ID: 50372908034** Collected: 05/08/24 11:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**6.4**	ug/L	1.0	1		05/15/24 04:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 04:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 04:22	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 04:22	108-05-4	L1
Vinyl chloride	**7.1**	ug/L	2.0	1		05/15/24 04:22	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 04:22	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	79-124	1		05/15/24 04:22	460-00-4	
Dibromofluoromethane (S)	96	%.	82-128	1		05/15/24 04:22	1868-53-7	
Toluene-d8 (S)	104	%.	73-122	1		05/15/24 04:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-7D **Lab ID: 50372908035** Collected: 05/08/24 09:38 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**26.9**	mg/L	2.5	10		05/21/24 20:04	16887-00-6	
Sulfate	**20.2**	mg/L	0.25	1		05/21/24 19:47	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	**0.61**	mg/L	0.10	1	05/15/24 12:20	05/15/24 14:43	7439-89-6	
Manganese, Dissolved	**0.15**	mg/L	0.015	1	05/15/24 12:20	05/15/24 14:43	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 04:45	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 04:45	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 04:45	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 04:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 04:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 04:45	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 04:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 04:45	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 04:45	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 04:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 04:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 04:45	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 04:45	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 04:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 04:45	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 04:45	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 04:45	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 04:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 04:45	75-34-3	
1,2-Dichloroethane	**5.0**	ug/L	1.0	1		05/15/24 04:45	107-06-2	
1,2-Dichloroethene (Total)	**28.5**	ug/L	5.0	1		05/15/24 04:45	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 04:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 04:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 04:45	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 04:45	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 04:45	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 04:45	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 04:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 04:45	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 04:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 04:45	79-34-5	
Tetrachloroethene	**1.3**	ug/L	1.0	1		05/15/24 04:45	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 04:45	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 04:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 04:45	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-7D **Lab ID: 50372908035** Collected: 05/08/24 09:38 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**22.6**	ug/L	1.0	1		05/15/24 04:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 04:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 04:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 04:45	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 04:45	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 04:45	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	79-124	1		05/15/24 04:45	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/15/24 04:45	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/15/24 04:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-7S **Lab ID: 50372908036** Collected: 05/08/24 09:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**39.6**	mg/L	2.5	10		05/21/24 20:39	16887-00-6	
Sulfate	**20.1**	mg/L	0.25	1		05/21/24 20:22	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	ND	mg/L	0.10	1	05/15/24 12:20	05/15/24 14:45	7439-89-6	
Manganese, Dissolved	**0.072**	mg/L	0.015	1	05/15/24 12:20	05/15/24 14:45	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 05:08	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 05:08	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 05:08	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 05:08	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 05:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 05:08	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 05:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 05:08	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 05:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 05:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 05:08	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 05:08	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 05:08	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 05:08	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 05:08	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 05:08	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 05:08	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 05:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 05:08	75-34-3	
1,2-Dichloroethane	**5.7**	ug/L	1.0	1		05/15/24 05:08	107-06-2	
1,2-Dichloroethene (Total)	**9.8**	ug/L	5.0	1		05/15/24 05:08	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 05:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 05:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 05:08	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 05:08	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 05:08	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 05:08	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 05:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 05:08	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 05:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 05:08	79-34-5	
Tetrachloroethene	**1.8**	ug/L	1.0	1		05/15/24 05:08	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 05:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 05:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 05:08	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-7S **Lab ID: 50372908036** Collected: 05/08/24 09:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	**13.1**	ug/L	1.0	1		05/15/24 05:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 05:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 05:08	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 05:08	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 05:08	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 05:08	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	79-124	1		05/15/24 05:08	460-00-4	
Dibromofluoromethane (S)	97	%.	82-128	1		05/15/24 05:08	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/15/24 05:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-8R **Lab ID: 50372908037** Collected: 05/08/24 14:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Pace Analytical Services - Indianapolis							
Chloride	**11.1**	mg/L	0.25	1		05/21/24 20:56	16887-00-6	
Sulfate	**20.0**	mg/L	0.25	1		05/21/24 20:56	14808-79-8	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Iron, Dissolved	**24.7**	mg/L	0.10	1	05/15/24 12:20	05/15/24 15:27	7439-89-6	
Manganese, Dissolved	**38.6**	mg/L	0.075	5	05/15/24 12:20	05/15/24 15:36	7439-96-5	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	10.0	1		05/15/24 05:31	67-64-1	
Acetonitrile	ND	ug/L	20.0	1		05/15/24 05:31	75-05-8	
Acrolein	ND	ug/L	20.0	1		05/15/24 05:31	107-02-8	
Benzene	ND	ug/L	2.0	1		05/15/24 05:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/24 05:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/24 05:31	75-25-2	L1
Bromomethane	ND	ug/L	5.0	1		05/15/24 05:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/15/24 05:31	78-93-3	
Carbon disulfide	ND	ug/L	5.0	1		05/15/24 05:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/15/24 05:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/24 05:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/24 05:31	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		05/15/24 05:31	110-75-8	c2
Chloroform	ND	ug/L	5.0	1		05/15/24 05:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/24 05:31	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/24 05:31	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		05/15/24 05:31	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/15/24 05:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/24 05:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/24 05:31	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	5.0	1		05/15/24 05:31	540-59-0	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 05:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/24 05:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/24 05:31	100-41-4	
Ethyl methacrylate	ND	ug/L	5.0	1		05/15/24 05:31	97-63-2	
2-Hexanone	ND	ug/L	10.0	1		05/15/24 05:31	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/15/24 05:31	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		05/15/24 05:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/15/24 05:31	108-10-1	
Styrene	ND	ug/L	5.0	1		05/15/24 05:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/24 05:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/24 05:31	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/24 05:31	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/24 05:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/24 05:31	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Uniontown Landfill
Pace Project No.: 50372908

Sample: UMW-8R **Lab ID: 50372908037** Collected: 05/08/24 14:30 Received: 05/10/24 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - Indianapolis							
Trichloroethene	ND	ug/L	1.0	1		05/15/24 05:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/24 05:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/15/24 05:31	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/15/24 05:31	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		05/15/24 05:31	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/24 05:31	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	79-124	1		05/15/24 05:31	460-00-4	
Dibromofluoromethane (S)	95	%.	82-128	1		05/15/24 05:31	1868-53-7	
Toluene-d8 (S)	105	%.	73-122	1		05/15/24 05:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

QC Batch: 791110
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372908001, 50372908002, 50372908003, 50372908004, 50372908005, 50372908007, 50372908008, 50372908009, 50372908012, 50372908013, 50372908016, 50372908019, 50372908021, 50372908022, 50372908028, 50372908029, 50372908030, 50372908032, 50372908033, 50372908034

METHOD BLANK: 3619973 Matrix: Water
Associated Lab Samples: 50372908001, 50372908002, 50372908003, 50372908004, 50372908005, 50372908007, 50372908008, 50372908009, 50372908012, 50372908013, 50372908016, 50372908019, 50372908021, 50372908022, 50372908028, 50372908029, 50372908030, 50372908032, 50372908033, 50372908034

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	05/21/24 08:13	
Sulfate	mg/L	ND	0.25	05/21/24 08:13	

LABORATORY CONTROL SAMPLE: 3619974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	5	4.7	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619975 3619976

Parameter	Units	50372908028 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	173	25	25	184	186	46	52	80-120	1	15	M0
Sulfate	mg/L	40.2	5	5	44.7	44.4	89	83	80-120	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619977 3619978

Parameter	Units	50372908029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	258	250	250	488	489	92	92	80-120	0	15	
Sulfate	mg/L	19.3	5	5	23.7	24.0	87	93	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

QC Batch: 791112
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372908035, 50372908036, 50372908037

METHOD BLANK: 3619984 Matrix: Water
Associated Lab Samples: 50372908035, 50372908036, 50372908037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	0.25	05/21/24 16:18	
Sulfate	mg/L	ND	0.25	05/21/24 16:18	

LABORATORY CONTROL SAMPLE: 3619985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	5	4.8	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3619986 3619987

Parameter	Units	50372908037 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	11.1	2.5	2.5	12.5	12.5	53	55	80-120	0	15	M0
Sulfate	mg/L	20.0	5	5	24.5	24.5	89	90	80-120	0	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

QC Batch: 790111
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372908001, 50372908002, 50372908003, 50372908004, 50372908005, 50372908007, 50372908008, 50372908009, 50372908012, 50372908013, 50372908014, 50372908015, 50372908016, 50372908019, 50372908021, 50372908022, 50372908028

METHOD BLANK: 3615015 Matrix: Water
Associated Lab Samples: 50372908001, 50372908002, 50372908003, 50372908004, 50372908005, 50372908007, 50372908008, 50372908009, 50372908012, 50372908013, 50372908014, 50372908015, 50372908016, 50372908019, 50372908021, 50372908022, 50372908028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	mg/L	ND	0.10	05/15/24 13:38	
Manganese, Dissolved	mg/L	ND	0.015	05/15/24 13:38	

LABORATORY CONTROL SAMPLE: 3615016

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	mg/L	10	10.2	102	80-120	
Manganese, Dissolved	mg/L	1	1.1	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3615017 3615018

Parameter	Units	50372908028 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	mg/L	ND	10	10	10.1	9.8	101	98	75-125	3	20	
Manganese, Dissolved	mg/L	ND	1	1	1.0	0.99	103	99	75-125	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

QC Batch: 790114
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372908029, 50372908030, 50372908032, 50372908033, 50372908034, 50372908035, 50372908036, 50372908037

METHOD BLANK: 3615029 Matrix: Water
Associated Lab Samples: 50372908029, 50372908030, 50372908032, 50372908033, 50372908034, 50372908035, 50372908036, 50372908037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	mg/L	ND	0.10	05/15/24 14:23	
Manganese, Dissolved	mg/L	ND	0.015	05/15/24 14:23	

LABORATORY CONTROL SAMPLE: 3615030

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	mg/L	10	10.5	105	80-120	
Manganese, Dissolved	mg/L	1	1.1	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3615031 3615032

Parameter	Units	50372908029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	mg/L	ND	10	10	10.2	10.4	102	104	75-125	1	20	
Manganese, Dissolved	mg/L	ND	1	1	1.0	1.1	104	106	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

QC Batch: 789820
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Low Level
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372908001, 50372908002, 50372908003, 50372908004, 50372908005, 50372908006, 50372908007, 50372908008, 50372908009, 50372908010, 50372908011, 50372908012, 50372908013, 50372908016, 50372908017, 50372908018, 50372908028

METHOD BLANK: 3613712
Matrix: Water
Associated Lab Samples: 50372908001, 50372908002, 50372908003, 50372908004, 50372908005, 50372908006, 50372908007, 50372908008, 50372908009, 50372908010, 50372908011, 50372908012, 50372908013, 50372908016, 50372908017, 50372908018, 50372908028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/14/24 11:32	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/14/24 11:32	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/14/24 11:32	
1,1-Dichloroethane	ug/L	ND	5.0	05/14/24 11:32	
1,2,3-Trichloropropane	ug/L	ND	5.0	05/14/24 11:32	
1,2-Dichloroethane	ug/L	ND	1.0	05/14/24 11:32	
1,2-Dichloroethene (Total)	ug/L	ND	5.0	05/14/24 11:32	
2-Butanone (MEK)	ug/L	ND	10.0	05/14/24 11:32	
2-Chloroethylvinyl ether	ug/L	ND	20.0	05/14/24 11:32	
2-Hexanone	ug/L	ND	10.0	05/14/24 11:32	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	05/14/24 11:32	
Acetone	ug/L	ND	10.0	05/14/24 11:32	
Acetonitrile	ug/L	ND	20.0	05/14/24 11:32	
Acrolein	ug/L	ND	20.0	05/14/24 11:32	
Benzene	ug/L	ND	2.0	05/14/24 11:32	
Bromodichloromethane	ug/L	ND	5.0	05/14/24 11:32	
Bromoform	ug/L	ND	5.0	05/14/24 11:32	
Bromomethane	ug/L	ND	5.0	05/14/24 11:32	
Carbon disulfide	ug/L	ND	5.0	05/14/24 11:32	
Carbon tetrachloride	ug/L	ND	1.0	05/14/24 11:32	
Chlorobenzene	ug/L	ND	5.0	05/14/24 11:32	
Chloroethane	ug/L	ND	5.0	05/14/24 11:32	
Chloroform	ug/L	ND	5.0	05/14/24 11:32	
Chloromethane	ug/L	ND	5.0	05/14/24 11:32	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/14/24 11:32	
Dibromochloromethane	ug/L	ND	5.0	05/14/24 11:32	
Dibromomethane	ug/L	ND	5.0	05/14/24 11:32	
Dichlorodifluoromethane	ug/L	ND	5.0	05/14/24 11:32	
Ethyl methacrylate	ug/L	ND	5.0	05/14/24 11:32	
Ethylbenzene	ug/L	ND	5.0	05/14/24 11:32	
Iodomethane	ug/L	ND	5.0	05/14/24 11:32	
Methylene Chloride	ug/L	ND	5.0	05/14/24 11:32	
Styrene	ug/L	ND	5.0	05/14/24 11:32	
Tetrachloroethene	ug/L	ND	1.0	05/14/24 11:32	
Toluene	ug/L	ND	5.0	05/14/24 11:32	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/14/24 11:32	
Trichloroethene	ug/L	ND	1.0	05/14/24 11:32	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

METHOD BLANK: 3613712 Matrix: Water

Associated Lab Samples: 50372908001, 50372908002, 50372908003, 50372908004, 50372908005, 50372908006, 50372908007, 50372908008, 50372908009, 50372908010, 50372908011, 50372908012, 50372908013, 50372908016, 50372908017, 50372908018, 50372908028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	ND	5.0	05/14/24 11:32	
Vinyl acetate	ug/L	ND	2.0	05/14/24 11:32	
Vinyl chloride	ug/L	ND	2.0	05/14/24 11:32	
Xylene (Total)	ug/L	ND	3.0	05/14/24 11:32	
4-Bromofluorobenzene (S)	%.	101	79-124	05/14/24 11:32	
Dibromofluoromethane (S)	%.	95	82-128	05/14/24 11:32	
Toluene-d8 (S)	%.	104	73-122	05/14/24 11:32	

LABORATORY CONTROL SAMPLE: 3613713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.6	101	71-126	
1,1,2,2-Tetrachloroethane	ug/L	50	56.6	113	70-126	
1,1,2-Trichloroethane	ug/L	50	53.7	107	79-125	
1,1-Dichloroethane	ug/L	50	49.3	99	79-120	
1,2,3-Trichloropropane	ug/L	50	56.1	112	74-127	
1,2-Dichloroethane	ug/L	50	47.1	94	72-123	
1,2-Dichloroethene (Total)	ug/L		96.9			
2-Butanone (MEK)	ug/L	250	275	110	67-135	
2-Chloroethylvinyl ether	ug/L	250	257	103	45-144	
2-Hexanone	ug/L	250	276	110	65-135	
4-Methyl-2-pentanone (MIBK)	ug/L	250	284	114	69-136	
Acetone	ug/L	250	254	102	34-156	
Acetonitrile	ug/L	250	233	93	48-118	
Acrolein	ug/L	1000	873	87	59-191	
Benzene	ug/L	50	49.6	99	76-122	
Bromodichloromethane	ug/L	50	51.3	103	80-126	
Bromoform	ug/L	50	60.9	122	77-124	
Bromomethane	ug/L	50	30.4	61	10-175	
Carbon disulfide	ug/L	50	44.2	88	69-121	
Carbon tetrachloride	ug/L	50	53.2	106	73-127	
Chlorobenzene	ug/L	50	50.3	101	76-118	
Chloroethane	ug/L	50	46.6	93	36-162	
Chloroform	ug/L	50	49.1	98	78-121	
Chloromethane	ug/L	50	40.7	81	37-143	
cis-1,3-Dichloropropene	ug/L	50	54.9	110	76-132	
Dibromochloromethane	ug/L	50	55.2	110	79-130	
Dibromomethane	ug/L	50	48.4	97	79-124	
Dichlorodifluoromethane	ug/L	50	16.5	33	29-126	
Ethyl methacrylate	ug/L	50	56.5	113	78-137	
Ethylbenzene	ug/L	50	51.4	103	76-120	
Iodomethane	ug/L	50	25.7	51	10-148	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

LABORATORY CONTROL SAMPLE: 3613713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	50	48.5	97	71-121	
Styrene	ug/L	50	51.1	102	80-121	
Tetrachloroethene	ug/L	50	52.4	105	71-122	
Toluene	ug/L	50	51.5	103	74-118	
trans-1,3-Dichloropropene	ug/L	50	56.0	112	77-126	
Trichloroethene	ug/L	50	49.2	98	74-125	
Trichlorofluoromethane	ug/L	50	41.9	84	64-138	
Vinyl acetate	ug/L	200	320	160	74-154	L1
Vinyl chloride	ug/L	50	40.1	80	55-139	
Xylene (Total)	ug/L	100	100	100	73-119	
4-Bromofluorobenzene (S)	%.			101	79-124	
Dibromofluoromethane (S)	%.			97	82-128	
Toluene-d8 (S)	%.			104	73-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3613714 3613715

Parameter	Units	50372908028 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	56.8	54.5	114	109	47-145	4	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	59.9	56.9	120	114	49-133	5	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	55.5	54.3	111	109	52-136	2	20	
1,1-Dichloroethane	ug/L	ND	50	50	54.9	51.7	110	103	52-137	6	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	59.9	56.8	120	114	47-134	5	20	
1,2-Dichloroethane	ug/L	ND	50	50	51.1	47.9	102	96	50-138	6	20	
1,2-Dichloroethene (Total)	ug/L	ND			106	101				5	20	
2-Butanone (MEK)	ug/L	ND	250	250	277	258	111	103	45-138	7	20	
2-Chloroethylvinyl ether	ug/L	ND	250	250	ND	ND	0	0	13-176		20	M1
2-Hexanone	ug/L	ND	250	250	278	267	111	107	45-135	4	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	291	276	116	111	46-138	5	20	
Acetone	ug/L	ND	250	250	258	244	103	97	25-151	6	20	
Acetonitrile	ug/L	ND	250	250	259	245	104	98	41-125	5	20	
Acrolein	ug/L	ND	1000	1000	949	890	95	89	36-168	6	20	
Benzene	ug/L	ND	50	50	55.1	52.0	110	104	53-138	6	20	
Bromodichloromethane	ug/L	ND	50	50	54.1	52.2	108	104	50-146	4	20	
Bromoform	ug/L	ND	50	50	60.5	59.6	121	119	45-132	2	20	
Bromomethane	ug/L	ND	50	50	21.7	27.4	43	55	10-173	23	20	R1
Carbon disulfide	ug/L	ND	50	50	48.4	45.6	97	91	47-133	6	20	
Carbon tetrachloride	ug/L	ND	50	50	57.4	56.3	115	113	43-148	2	20	
Chlorobenzene	ug/L	ND	50	50	54.3	52.2	109	104	52-131	4	20	
Chloroethane	ug/L	ND	50	50	52.7	49.2	105	98	25-169	7	20	
Chloroform	ug/L	ND	50	50	53.9	50.9	108	102	54-138	6	20	
Chloromethane	ug/L	ND	50	50	41.5	39.5	83	79	33-137	5	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	57.9	56.0	116	112	47-135	3	20	
Dibromochloromethane	ug/L	ND	50	50	56.7	55.3	113	111	48-139	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3613714 3613715

Parameter	Units	50372908028 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromomethane	ug/L	ND	50	50	51.5	48.6	103	97	51-141	6	20	
Dichlorodifluoromethane	ug/L	ND	50	50	17.1	15.1	34	30	15-130	12	20	
Ethyl methacrylate	ug/L	ND	50	50	58.7	55.9	117	112	51-142	5	20	
Ethylbenzene	ug/L	ND	50	50	56.5	54.0	112	107	50-136	4	20	
Iodomethane	ug/L	ND	50	50	16.9	24.0	34	48	10-145	35	20	R1
Methylene Chloride	ug/L	ND	50	50	51.2	48.8	102	98	48-131	5	20	
Styrene	ug/L	ND	50	50	55.0	52.6	110	105	46-136	4	20	
Tetrachloroethene	ug/L	ND	50	50	57.8	54.8	116	110	44-138	5	20	
Toluene	ug/L	ND	50	50	57.1	54.5	112	107	52-132	5	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	56.8	56.2	114	112	46-130	1	20	
Trichloroethene	ug/L	ND	50	50	54.4	51.8	109	104	49-140	5	20	
Trichlorofluoromethane	ug/L	ND	50	50	46.4	43.2	93	86	44-153	7	20	
Vinyl acetate	ug/L	ND	200	200	311	290	156	145	32-142	7	20	M0
Vinyl chloride	ug/L	ND	50	50	42.4	40.6	85	81	41-147	4	20	
Xylene (Total)	ug/L	ND	100	100	109	105	109	105	44-138	4	20	
4-Bromofluorobenzene (S)	%.						100	100	79-124			
Dibromofluoromethane (S)	%.						96	97	82-128			
Toluene-d8 (S)	%.						104	104	73-122			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

QC Batch: 789857
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Low Level
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50372908019, 50372908020, 50372908021, 50372908022, 50372908023, 50372908024, 50372908025, 50372908026, 50372908027, 50372908029, 50372908030, 50372908031, 50372908032, 50372908033, 50372908034, 50372908035, 50372908036, 50372908037

METHOD BLANK: 3613859
Matrix: Water
Associated Lab Samples: 50372908019, 50372908020, 50372908021, 50372908022, 50372908023, 50372908024, 50372908025, 50372908026, 50372908027, 50372908029, 50372908030, 50372908031, 50372908032, 50372908033, 50372908034, 50372908035, 50372908036, 50372908037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/14/24 22:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/14/24 22:38	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/14/24 22:38	
1,1-Dichloroethane	ug/L	ND	5.0	05/14/24 22:38	
1,2,3-Trichloropropane	ug/L	ND	5.0	05/14/24 22:38	
1,2-Dichloroethane	ug/L	ND	1.0	05/14/24 22:38	
1,2-Dichloroethene (Total)	ug/L	ND	5.0	05/14/24 22:38	
2-Butanone (MEK)	ug/L	ND	10.0	05/14/24 22:38	
2-Chloroethylvinyl ether	ug/L	ND	20.0	05/14/24 22:38	
2-Hexanone	ug/L	ND	10.0	05/14/24 22:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	05/14/24 22:38	
Acetone	ug/L	ND	10.0	05/14/24 22:38	
Acetonitrile	ug/L	ND	20.0	05/14/24 22:38	
Acrolein	ug/L	ND	20.0	05/14/24 22:38	
Benzene	ug/L	ND	2.0	05/14/24 22:38	
Bromodichloromethane	ug/L	ND	5.0	05/14/24 22:38	
Bromoform	ug/L	ND	5.0	05/14/24 22:38	
Bromomethane	ug/L	ND	5.0	05/14/24 22:38	
Carbon disulfide	ug/L	ND	5.0	05/14/24 22:38	
Carbon tetrachloride	ug/L	ND	1.0	05/14/24 22:38	
Chlorobenzene	ug/L	ND	5.0	05/14/24 22:38	
Chloroethane	ug/L	ND	5.0	05/14/24 22:38	
Chloroform	ug/L	ND	5.0	05/14/24 22:38	
Chloromethane	ug/L	ND	5.0	05/14/24 22:38	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/14/24 22:38	
Dibromochloromethane	ug/L	ND	5.0	05/14/24 22:38	
Dibromomethane	ug/L	ND	5.0	05/14/24 22:38	
Dichlorodifluoromethane	ug/L	ND	5.0	05/14/24 22:38	
Ethyl methacrylate	ug/L	ND	5.0	05/14/24 22:38	
Ethylbenzene	ug/L	ND	5.0	05/14/24 22:38	
Iodomethane	ug/L	ND	5.0	05/14/24 22:38	
Methylene Chloride	ug/L	ND	5.0	05/14/24 22:38	
Styrene	ug/L	ND	5.0	05/14/24 22:38	
Tetrachloroethene	ug/L	ND	1.0	05/14/24 22:38	
Toluene	ug/L	ND	5.0	05/14/24 22:38	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/14/24 22:38	
Trichloroethene	ug/L	ND	1.0	05/14/24 22:38	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

METHOD BLANK: 3613859 Matrix: Water

Associated Lab Samples: 50372908019, 50372908020, 50372908021, 50372908022, 50372908023, 50372908024, 50372908025, 50372908026, 50372908027, 50372908029, 50372908030, 50372908031, 50372908032, 50372908033, 50372908034, 50372908035, 50372908036, 50372908037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	ND	5.0	05/14/24 22:38	
Vinyl acetate	ug/L	ND	2.0	05/14/24 22:38	
Vinyl chloride	ug/L	ND	2.0	05/14/24 22:38	
Xylene (Total)	ug/L	ND	3.0	05/14/24 22:38	
4-Bromofluorobenzene (S)	%.	102	79-124	05/14/24 22:38	
Dibromofluoromethane (S)	%.	96	82-128	05/14/24 22:38	
Toluene-d8 (S)	%.	104	73-122	05/14/24 22:38	

LABORATORY CONTROL SAMPLE: 3613860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.5	105	71-126	
1,1,2,2-Tetrachloroethane	ug/L	50	59.3	119	70-126	
1,1,2-Trichloroethane	ug/L	50	55.7	111	79-125	
1,1-Dichloroethane	ug/L	50	50.1	100	79-120	
1,2,3-Trichloropropane	ug/L	50	60.1	120	74-127	
1,2-Dichloroethane	ug/L	50	48.8	98	72-123	
1,2-Dichloroethene (Total)	ug/L		98.0			
2-Butanone (MEK)	ug/L	250	283	113	67-135	
2-Chloroethylvinyl ether	ug/L	250	269	108	45-144	
2-Hexanone	ug/L	250	290	116	65-135	
4-Methyl-2-pentanone (MIBK)	ug/L	250	298	119	69-136	
Acetone	ug/L	250	269	107	34-156	
Acetonitrile	ug/L	250	224	90	48-118	
Acrolein	ug/L	1000	884	88	59-191	
Benzene	ug/L	50	50.8	102	76-122	
Bromodichloromethane	ug/L	50	52.3	105	80-126	
Bromoform	ug/L	50	62.7	125	77-124	L1
Bromomethane	ug/L	50	30.3	61	10-175	
Carbon disulfide	ug/L	50	44.7	89	69-121	
Carbon tetrachloride	ug/L	50	54.2	108	73-127	
Chlorobenzene	ug/L	50	51.6	103	76-118	
Chloroethane	ug/L	50	48.5	97	36-162	
Chloroform	ug/L	50	49.7	99	78-121	
Chloromethane	ug/L	50	40.7	81	37-143	
cis-1,3-Dichloropropene	ug/L	50	55.2	110	76-132	
Dibromochloromethane	ug/L	50	56.5	113	79-130	
Dibromomethane	ug/L	50	50.3	101	79-124	
Dichlorodifluoromethane	ug/L	50	16.3	33	29-126	
Ethyl methacrylate	ug/L	50	59.2	118	78-137	
Ethylbenzene	ug/L	50	52.5	105	76-120	
Iodomethane	ug/L	50	24.6	49	10-148	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

LABORATORY CONTROL SAMPLE: 3613860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	50	50.7	101	71-121	
Styrene	ug/L	50	52.5	105	80-121	
Tetrachloroethene	ug/L	50	53.1	106	71-122	
Toluene	ug/L	50	52.8	106	74-118	
trans-1,3-Dichloropropene	ug/L	50	55.9	112	77-126	
Trichloroethene	ug/L	50	49.9	100	74-125	
Trichlorofluoromethane	ug/L	50	42.2	84	64-138	
Vinyl acetate	ug/L	200	328	164	74-154	L1
Vinyl chloride	ug/L	50	40.6	81	55-139	
Xylene (Total)	ug/L	100	102	102	73-119	
4-Bromofluorobenzene (S)	%.			101	79-124	
Dibromofluoromethane (S)	%.			96	82-128	
Toluene-d8 (S)	%.			104	73-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3613861 3613862

Parameter	Units	50372908029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	54.6	53.2	109	106	47-145	3	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	57.2	55.9	114	112	49-133	2	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	53.4	53.6	107	107	52-136	0	20	
1,1-Dichloroethane	ug/L	ND	50	50	52.5	50.2	105	100	52-137	5	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	58.0	55.6	116	111	47-134	4	20	
1,2-Dichloroethane	ug/L	ND	50	50	49.0	47.2	98	94	50-138	4	20	
1,2-Dichloroethene (Total)	ug/L	ND			99.1	95.4				4	20	
2-Butanone (MEK)	ug/L	ND	250	250	264	250	106	100	45-138	5	20	
2-Chloroethylvinyl ether	ug/L	ND	250	250	ND	ND	0	0	13-176		20	M1
2-Hexanone	ug/L	ND	250	250	273	263	109	105	45-135	4	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	284	275	114	110	46-138	3	20	
Acetone	ug/L	ND	250	250	263	247	105	99	25-151	6	20	
Acetonitrile	ug/L	ND	250	250	242	230	97	92	41-125	5	20	
Acrolein	ug/L	ND	1000	1000	818	775	82	77	36-168	5	20	
Benzene	ug/L	ND	50	50	52.4	50.7	105	101	53-138	3	20	
Bromodichloromethane	ug/L	ND	50	50	52.9	51.7	106	103	50-146	2	20	
Bromoform	ug/L	ND	50	50	59.0	59.2	118	118	45-132	0	20	
Bromomethane	ug/L	ND	50	50	23.4	27.5	47	55	10-173	16	20	
Carbon disulfide	ug/L	ND	50	50	43.7	41.4	87	83	47-133	5	20	
Carbon tetrachloride	ug/L	ND	50	50	55.9	54.9	112	110	43-148	2	20	
Chlorobenzene	ug/L	ND	50	50	52.0	50.7	104	101	52-131	3	20	
Chloroethane	ug/L	ND	50	50	49.1	47.3	98	95	25-169	4	20	
Chloroform	ug/L	ND	50	50	51.8	49.6	104	99	54-138	4	20	
Chloromethane	ug/L	ND	50	50	38.1	38.2	76	76	33-137	0	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	53.2	52.0	106	104	47-135	2	20	
Dibromochloromethane	ug/L	ND	50	50	55.3	54.7	111	109	48-139	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Uniontown Landfill
Pace Project No.: 50372908

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3613861 3613862

Parameter	Units	50372908029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromomethane	ug/L	ND	50	50	49.5	48.1	99	96	51-141	3	20	
Dichlorodifluoromethane	ug/L	ND	50	50	14.2	12.8	28	26	15-130	11	20	
Ethyl methacrylate	ug/L	ND	50	50	56.4	55.1	113	110	51-142	2	20	
Ethylbenzene	ug/L	ND	50	50	53.9	51.5	108	103	50-136	5	20	
Iodomethane	ug/L	ND	50	50	15.2	21.5	30	43	10-145	34	20	R1
Methylene Chloride	ug/L	ND	50	50	49.1	46.8	98	94	48-131	5	20	
Styrene	ug/L	ND	50	50	52.6	50.9	105	102	46-136	3	20	
Tetrachloroethene	ug/L	ND	50	50	53.1	51.5	106	103	44-138	3	20	
Toluene	ug/L	ND	50	50	54.4	52.6	109	105	52-132	3	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	52.2	51.2	104	102	46-130	2	20	
Trichloroethene	ug/L	ND	50	50	51.5	50.2	103	100	49-140	2	20	
Trichlorofluoromethane	ug/L	ND	50	50	43.3	40.7	87	81	44-153	6	20	
Vinyl acetate	ug/L	ND	200	200	233	222	117	111	32-142	5	20	
Vinyl chloride	ug/L	ND	50	50	40.3	37.7	81	75	41-147	7	20	
Xylene (Total)	ug/L	ND	100	100	104	100	104	100	44-138	3	20	
4-Bromofluorobenzene (S)	%.						100	101	79-124			
Dibromofluoromethane (S)	%.						97	97	82-128			
Toluene-d8 (S)	%.						104	105	73-122			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Uniontown Landfill
Pace Project No.: 50372908

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
c2	Acid preservation may not be appropriate for the analysis of 2-Chloroethylvinyl ether.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Uniontown Landfill
Pace Project No.: 50372908

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372908001	**A-12D**	EPA 300.0	791110		
50372908002	**A-12S**	EPA 300.0	791110		
50372908003	**A-13**	EPA 300.0	791110		
50372908004	**A-14S**	EPA 300.0	791110		
50372908005	**A-15D**	EPA 300.0	791110		
50372908007	**A-1D**	EPA 300.0	791110		
50372908008	**A-1S**	EPA 300.0	791110		
50372908009	**EX-1S**	EPA 300.0	791110		
50372908012	**FIELD REP 2**	EPA 300.0	791110		
50372908013	**FIELD REP 3**	EPA 300.0	791110		
50372908016	**GMW-10**	EPA 300.0	791110		
50372908019	**GMW-6**	EPA 300.0	791110		
50372908021	**P-2D**	EPA 300.0	791110		
50372908022	**P-2S**	EPA 300.0	791110		
50372908028	**UMW-10D**	EPA 300.0	791110		
50372908029	**UMW-10S**	EPA 300.0	791110		
50372908030	**UMW-11S**	EPA 300.0	791110		
50372908032	**UMW-5D**	EPA 300.0	791110		
50372908033	**UMW-5SR**	EPA 300.0	791110		
50372908034	**UMW-6D**	EPA 300.0	791110		
50372908035	**UMW-7D**	EPA 300.0	791112		
50372908036	**UMW-7S**	EPA 300.0	791112		
50372908037	**UMW-8R**	EPA 300.0	791112		
50372908001	**A-12D**	EPA 3010	790111	EPA 6010	790113
50372908002	**A-12S**	EPA 3010	790111	EPA 6010	790113
50372908003	**A-13**	EPA 3010	790111	EPA 6010	790113
50372908004	**A-14S**	EPA 3010	790111	EPA 6010	790113
50372908005	**A-15D**	EPA 3010	790111	EPA 6010	790113
50372908007	**A-1D**	EPA 3010	790111	EPA 6010	790113
50372908008	**A-1S**	EPA 3010	790111	EPA 6010	790113
50372908009	**EX-1S**	EPA 3010	790111	EPA 6010	790113
50372908012	**FIELD REP 2**	EPA 3010	790111	EPA 6010	790113
50372908013	**FIELD REP 3**	EPA 3010	790111	EPA 6010	790113
50372908014	**FILTER BLANK 1**	EPA 3010	790111	EPA 6010	790113
50372908015	**FILTER BLANK 2**	EPA 3010	790111	EPA 6010	790113
50372908016	**GMW-10**	EPA 3010	790111	EPA 6010	790113
50372908019	**GMW-6**	EPA 3010	790111	EPA 6010	790113
50372908021	**P-2D**	EPA 3010	790111	EPA 6010	790113
50372908022	**P-2S**	EPA 3010	790111	EPA 6010	790113
50372908028	**UMW-10D**	EPA 3010	790111	EPA 6010	790113
50372908029	**UMW-10S**	EPA 3010	790114	EPA 6010	790116
50372908030	**UMW-11S**	EPA 3010	790114	EPA 6010	790116
50372908032	**UMW-5D**	EPA 3010	790114	EPA 6010	790116
50372908033	**UMW-5SR**	EPA 3010	790114	EPA 6010	790116
50372908034	**UMW-6D**	EPA 3010	790114	EPA 6010	790116
50372908035	**UMW-7D**	EPA 3010	790114	EPA 6010	790116
50372908036	**UMW-7S**	EPA 3010	790114	EPA 6010	790116

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Uniontown Landfill
Pace Project No.: 50372908

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50372908037	**UMW-8R**	EPA 3010	790114	EPA 6010	790116
50372908001	**A-12D**	EPA 5030B/8260	789820		
50372908002	**A-12S**	EPA 5030B/8260	789820		
50372908003	**A-13**	EPA 5030B/8260	789820		
50372908004	**A-14S**	EPA 5030B/8260	789820		
50372908005	**A-15D**	EPA 5030B/8260	789820		
50372908006	**A-16D**	EPA 5030B/8260	789820		
50372908007	**A-1D**	EPA 5030B/8260	789820		
50372908008	**A-1S**	EPA 5030B/8260	789820		
50372908009	**EX-1S**	EPA 5030B/8260	789820		
50372908010	**FIELD BLANK**	EPA 5030B/8260	789820		
50372908011	**FIELD REP 1**	EPA 5030B/8260	789820		
50372908012	**FIELD REP 2**	EPA 5030B/8260	789820		
50372908013	**FIELD REP 3**	EPA 5030B/8260	789820		
50372908016	**GMW-10**	EPA 5030B/8260	789820		
50372908017	**GMW-2**	EPA 5030B/8260	789820		
50372908018	**GMW-4**	EPA 5030B/8260	789820		
50372908019	**GMW-6**	EPA 5030B/8260	789857		
50372908020	**GMW-7**	EPA 5030B/8260	789857		
50372908021	**P-2D**	EPA 5030B/8260	789857		
50372908022	**P-2S**	EPA 5030B/8260	789857		
50372908023	**PROBE BLANK 1**	EPA 5030B/8260	789857		
50372908024	**PROBE BLANK 2**	EPA 5030B/8260	789857		
50372908025	**TRIP BLANK**	EPA 5030B/8260	789857		
50372908026	**UGP-16**	EPA 5030B/8260	789857		
50372908027	**UGP-3**	EPA 5030B/8260	789857		
50372908028	**UMW-10D**	EPA 5030B/8260	789820		
50372908029	**UMW-10S**	EPA 5030B/8260	789857		
50372908030	**UMW-11S**	EPA 5030B/8260	789857		
50372908031	**UMW-4S**	EPA 5030B/8260	789857		
50372908032	**UMW-5D**	EPA 5030B/8260	789857		
50372908033	**UMW-5SR**	EPA 5030B/8260	789857		
50372908034	**UMW-6D**	EPA 5030B/8260	789857		
50372908035	**UMW-7D**	EPA 5030B/8260	789857		
50372908036	**UMW-7S**	EPA 5030B/8260	789857		
50372908037	**UMW-8R**	EPA 5030B/8260	789857		

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 50372908

50372908

Company Name:	RUMPKE (Cincinnati)	Contact/Report To:	Overbeck, Matt
Street Address:	3990 Generation Drive, Cincinnati, OH 45251	Phone #:	NONE
		E-Mail:	matt.overbeck@rumpke.com
		Cc E-Mail:	sreuter@sescogroup.com
Customer Project #:			
Project Name:	Uniontown Landfill	Invoice To:	
		Invoice E-Mail:	accounts.payable@rumpke.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 10 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	300.0 Chloride & Sulfate	6010 Iron & Manganese, Field Filtered	8260 VOCs	Sample Comment
A-12D	WT	G			5.9.24	2:35				X	X	X	001
A-12S	WT				"	150				X	X	X	002
A-13	WT				5.10.24	745				X	X	X	only 2 VOCs 003
A-14S	WT				5.9.24	1140				X	X	X	004
A-15D	WT				"	1250				X	X	X	005
A-16D	WT				5.7.24	125						X	006
A-1D	WT				5.8.24	1035				X	X	X	007
A-1S	WT				"	1030				X	X	X	008
EX-1S	WT				5.9.24	905				X	X	X	009
FIELD BLANK	WT				5.10.24	910						X	010

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: Regina Bedel
AcctNum / Client ID:
Table #:
Profile / Template: 6801 / 1
Prelog / Bottle Ord. ID: 1175330

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) Ryan Fisher
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	B	0.0	See	SCUR	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
[illegible] SESCO	5.10.24 1205	[illegible]	5-10-24 1205	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [✓] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	RUMPKE (Cincinnati)	Contact/Report To:	Overbeck, Matt
Street Address:	3990 Generation Drive, Cincinnati, OH 45251	Phone #:	NONE
		E-Mail:	matt.overbeck@rumpke.com
		Cc E-Mail:	sreuter@sescogroup.com
Customer Project #:			
Project Name:	Uniontown Landfill	Invoice To:	
		Invoice E-Mail:	accounts.payable@rumpke.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 10 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	300.0 Chloride & Sulfate	6010 Iron & Manganese, Field Filtered	8260 VOCs	Sample Comment
FIELD REP 1	WT	G			5-10-24	—						X	011
FIELD REP 2	WT				5-9-24	—				X	X	X	012
FIELD REP 3	WT				5-7-24	—				X	X	X	013
FILTER BLANK 1	WT				5-10-24	930					X		014
FILTER BLANK 2	WT				"	940					X		015
GMW-10	WT				5-9-24	1050				X	X	X	016
GMW-2	WT				5-10-24	815						X	017
GMW-4	WT				5-7-24	1025						X	018
GMW-6	WT				5-9-24	1000				X	X	X	019
GMW-7	WT				5-8-24	1140						X	020

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Regina Bedel**
AcctNum / Client ID:
Table #:
Profile / Template: **6801 / 1**
Prelog / Bottle Ord. ID: **1175330**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
- NOTE: ASAmd. on 2 MW have a April DATE. They are All MW samples

Collected By: (Printed Name) Ryan Graham
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2	B	0.0			Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
SESCO	5-10-24 / 1105		5-10-24 1205	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [✓] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 5

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	RUMPKE (Cincinnati)	Contact/Report To:	Overbeck, Matt
Street Address:	3990 Generation Drive, Cincinnati, OH 45251	Phone #:	NONE
		E-Mail:	matt.overbeck@rumpke.com
		Cc E-Mail:	sreuter@sescogroup.com
Customer Project #:			
Project Name:	Uniontown Landfill	Invoice To:	
		Invoice E-Mail:	accounts.payable@rumpke.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 10 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	300.0 Chloride & Sulfate	6010 Iron & Manganese, Field Filtered	8260 VOCs	Sample Comment
MS/MSD 1 (UMW-10S	WT	G			5-7-24	935				X	X	X	~~021~~
MS/MSD 2 (UMW-10D	WT	"			"	950				X	X	X	
P-2D	WT	G			5-8-24	855				X	X	X	021
P-2S	WT	G			"	850				X	X	X	022
PROBE BLANK 1	WT	"			5-10-24	915						X	023
PROBE BLANK 2	WT	"			"	920						X	024
TRIP BLANK	WT	—			"	—						X	025
UGP-16	WT	G			5-7-24	1055						X	026

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Regina Bedel**
AcctNum / Client ID:
Table #:
Profile / Template: **6801 / 1**
Prelog / Bottle Ord. ID: **1175330**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
NOTE: A SAMPLE ON TWO MAY HAD A APRIL DATE BUT ALL WERE TAKEN IN MAY

Collected By: (Printed Name) RIAN GRAHAM
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	B	0.0			Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
SESCO	5-10-24/1705		5-10-24 17:05	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [✓] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 5

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	RUMPKE (Cincinnati)	Contact/Report To:	Overbeck, Matt
Street Address:	3990 Generation Drive, Cincinnati, OH 45251	Phone #:	NONE
		E-Mail:	matt.overbeck@rumpke.com
		Cc E-Mail:	sreuter@sescogroup.com
Customer Project #:			
Project Name:	Uniontown Landfill	Invoice To:	
		Invoice E-Mail:	accounts.payable@rumpke.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 10 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	300.0 Chloride & Sulfate	6010 Iron & Manganese, Field Filtered	8260 VOCs	Sample Comment
UGP-3	WT	G			5-7-24	1250						X	027
UMW-10D	WT					950				X	X	X	028
UMW-10S	WT					935				X	X	X	029
UMW-11S	WT					1230				X	X	X	030
UMW-4S	WT					1120						X	031
UMW-5D	WT				5-8-24	120				X	X	X	032
UMW-5SR	WT					130				X	X	X	033
UMW-6D	WT					1130				X	X	X	034
UMW-7D	WT					938				X	X	X	035
UMW-7S	WT					930				X	X	X	036

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only

Proj. Mgr: **Regina Bedel**
AcctNum / Client ID:
Table #:
Profile / Template: **6801 / 1**
Prelog / Bottle Ord. ID: **1175330**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) RYAN GRAHAM

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	B	0.0			Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
SESCO	5-10-24 / 1205		5-10-24 12:05	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [✓] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 4 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Indianapolis
7726 Moller Road, Indianapolis, IN 46268

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	RUMPKE (Cincinnati)	Contact/Report To:	Overbeck, Matt
Street Address:	3990 Generation Drive, Cincinnati, OH 45251	Phone #:	NONE
		E-Mail:	matt.overbeck@rumpke.com
		Cc E-Mail:	sreuter@sescogroup.com
Customer Project #:			
Project Name:	Uniontown Landfill	Invoice To:	
		Invoice E-Mail:	accounts.payable@rumpke.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Indiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 10 Day TAT

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	300.0 Chloride & Sulfate	6010 Iron & Manganese, Field Filtered	8260 VOCs	Sample Comment
UMW-8R	WT	G			5.8.24	230				X	X	X	037

Specify Container Size **
Identify Container Preservative Type***
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: **Regina Bedel**
AcctNum / Client ID:
Table #:
Profile / Template: **6801 / 1**
Prelog / Bottle Ord. ID: **1175330**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:

Collected By: (Printed Name) R. Andy Graham
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
3	B	0.0			Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
SESCO	5-10-24 1107	R. Clemens	5-10-24 12:05
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [V] In- Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: 5 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: RC 5-10-24 19:09

1. **Courier:** ☐FED EX | UPS ☑CLIENT ☐PACE ☐NOW/JETT | OTHER _____
2. **Custody Seal on Cooler/Box Present:** | | Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G H
4. **Cooler Temperature(s):** (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

0.4/0.4	0.6/0.6	0.2/0.2	

5. **Packing Material:** | |Bubble Wrap ☑ Bubble Bags | | None | | Other _____
6. **Ice Type:** ☑ Wet ☐ Blue ☐ None
7. **Was the PM notified of out of temp cooler?:** | |Yes ☐No
   Cooler temp should be above freezing to 6°C
8. **EZ Bottle Order?** | Yes ☑No

If yes but not on COC what is the EZ Bottle Order Number?:

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.**			
Short Hold Time Analysis (48 hours or less)? Analysis:		✓	**Circle:** HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form	✓		
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A ✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace Wisconsin Sulfide?			✓
Containers Intact?:	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent ✓	No VOA Vials Sent
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Present?	✓		
Extra labels on Terracore Vials? (soils only)			Trip Blank Custody Seals?:	✓		

COMMENTS: Extra set of Trip blanks rcvd D: 5-10-24 @ 9:00 RC 5-10-24

COC PAGE 1 of 3

Sample Container Count

** Place a RED dot on containers that are out of conformance **

MDW 5/11/24

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS >6mm	VG9U DG9U	VG9T	AMBER GLASS AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER CG3H	CG3F	Syringe Kit	Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1				3														1		1								✓			
2				1																											
3				2																											
4				3																											
5																															
6																															
7																		1		1								✓			
8																		1		1											
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic
BP3R	250mL Unpres. FF SO4/OH buffer
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

COC PAGE 2 of 3

Sample Container Count

** Place a RED dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H	VG9H	VOA VIAL HS >6mm	VG9U DG9U	VG9T	AMBER GLASS AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER CG3H	CG3F	Syringe Kit	Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1				3																								WT				
2				1															1		1								✓			
3				1															1		1								1			
4																																
5																																
6				3															1		1								✓			
7				1																												
8																																
9																			1		1								✓			
10				1																												
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL H2SO4 plastic
BP1U	1L unpreserved plastic		
BP1Z	1L NaOH, Zn, Ac		
BP2N	500mL HNO3 plastic		
BP2C	500mL NaOH plastic		
BP2S	500mL H2SO4 plastic		
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3F	250mL HNO3 plastic-field filtered		
BP3U	250mL unpreserved plastic		
BP3S	250mL H2SO4 plastic		
BP3Z	250mL NaOH, ZnAc plastic		
BP3R	250mL Unpres. FF SO4/OH buffer		

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

COC PAGE 2 of 5

Sample Container Count

** Place a RED dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS >6mm	VG9U DG9U	VG9T	AMBER GLASS AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER CG3H	CG3F	Syringe Kit		Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1																															
2																															
3																															
4																															
5				3														1		1								WT	✓			
6																		1		1									1			
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL H2SO4 plastic
BP1U	1L unpreserved plastic		
BP1Z	1L NaOH, Zn, Ac		
BP2N	500mL HNO3 plastic		
BP2C	500mL NaOH plastic		
BP2S	500mL H2SO4 plastic		
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3F	250mL HNO3 plastic-field filtered		
BP3U	250mL unpreserved plastic		
BP3S	250mL H2SO4 plastic		
BP3Z	250mL NaOH, ZnAc plastic		
BP3R	250mL Unpres. FF SO4/OH buffer		

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

COC PAGE 4 of 5

Sample Container Count

** Place a RED dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H	VG9H	VOA VIAL HS >6mm	VG9U DG9U	VG9T	AMBER GLASS AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER CG3H	CG3F	Syringe Kit	Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1				3																												
2				6															2		2								✓			
3				1															1		1											
4				3															1		1											
5																																
6																			1		1								✓			
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL H2SO4 plastic
BP1U	1L unpreserved plastic		
BP1Z	1L NaOH, Zn, Ac		
BP2N	500mL HNO3 plastic		
BP2C	500mL NaOH plastic		
BP2S	500mL H2SO4 plastic		
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3F	250mL HNO3 plastic-field filtered		
BP3U	250mL unpreserved plastic		
BP3S	250mL H2SO4 plastic		
BP3Z	250mL NaOH, ZnAc plastic		
BP3R	250mL Unpres. FF SO4/OH buffer		

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

COC PAGE 5 of 5

Sample Container Count

** Place a RED dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	AMBER GLASS: DG9H VG9H	VOA VIAL HS >6mm	AMBER GLASS: VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit	Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1				3														1		1							WT	✓			
2				1	Trip	Blank		5-10-24				@ 9:00																1				
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL H2SO4 plastic
BP1U	1L unpreserved plastic		
BP1Z	1L NaOH, Zn, Ac		
BP2N	500mL HNO3 plastic		
BP2C	500mL NaOH plastic		
BP2S	500mL H2SO4 plastic		
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3F	250mL HNO3 plastic-field filtered		
BP3U	250mL unpreserved plastic		
BP3S	250mL H2SO4 plastic		
BP3Z	250mL NaOH, ZnAc plastic		
BP3R	250mL Unpres. FF SO4/OH buffer		

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

APPENDIX 4

DUMPSTAT STATISTICAL OUTPUT

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program

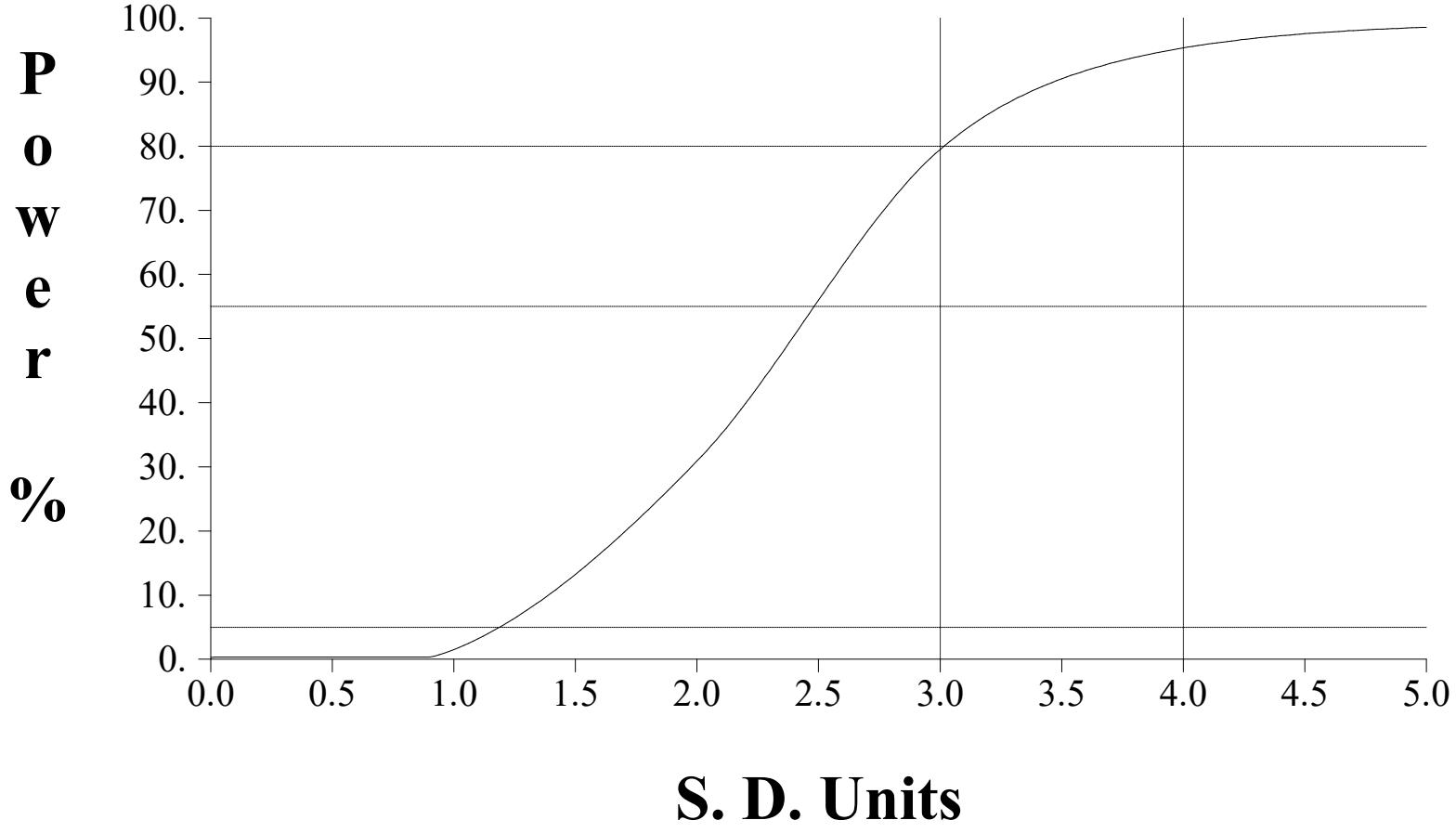

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	EX-4D	03/25/1997		9.0000		
Chloride	mg/L	EX-4D	03/17/1998		10.0000		
Chloride	mg/L	EX-4D	09/09/1998		8.3000		
Chloride	mg/L	EX-4D	12/08/1998		7.6000		
Chloride	mg/L	EX-4D	03/22/1999		2.2000		*
Chloride	mg/L	EX-4S	03/25/1997		2.0000		
Chloride	mg/L	EX-4S	03/17/1998		2.0000		
Chloride	mg/L	EX-4S	09/09/1998		2.3000		
Chloride	mg/L	EX-4S	12/08/1998		2.3000		
Chloride	mg/L	EX-4S	03/22/1999		8.4000		*
Chloride	mg/L	UMW-10D	09/14/1992		30.0000		
Chloride	mg/L	UMW-10D	12/10/1992		32.0000		
Chloride	mg/L	UMW-10D	03/09/1993		29.0000		
Chloride	mg/L	UMW-10D	06/14/1993		31.0000		
Chloride	mg/L	UMW-10D	09/01/1993		46.0000		
Chloride	mg/L	UMW-10D	12/02/1993		55.0000		
Chloride	mg/L	UMW-10D	03/08/1994		63.0000		
Chloride	mg/L	UMW-10D	06/14/1994		65.0000		
Chloride	mg/L	UMW-10D	12/19/1994		57.0000		
Chloride	mg/L	UMW-10D	03/15/1995		56.0000		
Chloride	mg/L	UMW-10D	09/25/1995		81.0000		
Chloride	mg/L	UMW-10D	12/08/1995		88.0000		
Chloride	mg/L	UMW-10D	06/19/1996		73.0000		
Chloride	mg/L	UMW-10D	12/17/1996		98.0000		
Chloride	mg/L	UMW-10D	03/26/1997		87.0000		
Chloride	mg/L	UMW-10D	06/02/1997		100.0000		
Chloride	mg/L	UMW-10D	09/11/1997		97.0000		
Chloride	mg/L	UMW-10D	12/10/1997		98.0000		
Chloride	mg/L	UMW-10D	03/18/1998		86.0000		
Chloride	mg/L	UMW-10D	06/09/1998		88.0000		
Chloride	mg/L	UMW-10D	09/09/1998		101.0000		
Chloride	mg/L	UMW-10D	12/08/1998		79.4000		
Chloride	mg/L	UMW-10D	06/07/1999		83.5000		
Chloride	mg/L	UMW-10D	12/14/1999		59.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	UMW-10D	06/06/2000		47.6000		
Chloride	mg/L	UMW-10D	12/04/2000		37.6000		
Chloride	mg/L	UMW-10D	06/25/2001		46.8000		
Chloride	mg/L	UMW-10D	09/18/2001		43.7000		
Chloride	mg/L	UMW-10D	12/13/2001		43.1000		
Chloride	mg/L	UMW-10D	03/06/2002		51.0000		
Chloride	mg/L	UMW-10D	06/06/2002		54.1000		
Chloride	mg/L	UMW-10D	12/04/2002		60.5000		
Chloride	mg/L	UMW-10D	06/17/2003		57.9000		
Chloride	mg/L	UMW-10D	12/02/2003		185.0000		
Chloride	mg/L	UMW-10D	06/08/2004		88.7000		
Chloride	mg/L	UMW-10D	12/07/2004		57.5000		
Chloride	mg/L	UMW-10D	06/14/2005		59.0000		
Chloride	mg/L	UMW-10D	12/06/2005		38.0000		
Chloride	mg/L	UMW-10D	05/15/2006		57.8000		
Chloride	mg/L	UMW-10D	11/07/2006		59.3000		
Chloride	mg/L	UMW-10D	05/07/2007		64.0000		
Chloride	mg/L	UMW-10D	11/06/2007		30.2000		
Chloride	mg/L	UMW-10D	05/05/2008		38.1000		
Chloride	mg/L	UMW-10D	11/10/2008		40.8000		
Chloride	mg/L	UMW-10D	05/03/2010		44.4000		
Chloride	mg/L	UMW-10D	05/17/2011		47.0000		
Chloride	mg/L	UMW-10D	05/21/2012		87.0000		
Chloride	mg/L	UMW-10D	05/06/2013		46.0000		
Chloride	mg/L	UMW-10D	05/06/2014		72.0000		
Chloride	mg/L	UMW-10D	05/12/2015		92.0000		
Chloride	mg/L	UMW-10D	05/09/2016		91.0000		
Chloride	mg/L	UMW-10D	05/09/2017		124.0000		
Chloride	mg/L	UMW-10D	05/08/2018		100.0000		
Chloride	mg/L	UMW-10D	05/15/2019		166.0000		
Chloride	mg/L	UMW-10D	05/12/2020		196.0000		
Chloride	mg/L	UMW-10D	05/11/2021		147.0000		
Chloride	mg/L	UMW-10D	05/11/2022		194.0000		
Chloride	mg/L	UMW-10D	05/02/2023		227.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	UMW-10D	05/07/2024		173.0000		
Chloride	mg/L	UMW-10S	09/14/1992		82.0000		
Chloride	mg/L	UMW-10S	12/10/1992		83.0000		
Chloride	mg/L	UMW-10S	03/09/1993		83.0000		
Chloride	mg/L	UMW-10S	06/15/1993		75.0000		
Chloride	mg/L	UMW-10S	09/01/1993		84.0000		
Chloride	mg/L	UMW-10S	12/02/1993		86.0000		
Chloride	mg/L	UMW-10S	03/08/1994		87.0000		
Chloride	mg/L	UMW-10S	06/14/1994		110.0000		
Chloride	mg/L	UMW-10S	09/20/1994		90.0000		
Chloride	mg/L	UMW-10S	12/19/1994		89.0000		
Chloride	mg/L	UMW-10S	03/23/1995		97.0000		
Chloride	mg/L	UMW-10S	09/25/1995		98.0000		
Chloride	mg/L	UMW-10S	12/08/1995		99.0000		
Chloride	mg/L	UMW-10S	06/19/1996		78.0000		
Chloride	mg/L	UMW-10S	12/17/1996		89.0000		
Chloride	mg/L	UMW-10S	03/26/1997		84.0000		
Chloride	mg/L	UMW-10S	06/02/1997		93.0000		
Chloride	mg/L	UMW-10S	09/11/1997		85.0000		
Chloride	mg/L	UMW-10S	12/10/1997		98.0000		
Chloride	mg/L	UMW-10S	03/18/1998		95.0000		
Chloride	mg/L	UMW-10S	06/09/1998		86.0000		
Chloride	mg/L	UMW-10S	09/09/1998		94.1000		
Chloride	mg/L	UMW-10S	12/08/1998		120.0000		
Chloride	mg/L	UMW-10S	06/07/1999		113.0000		
Chloride	mg/L	UMW-10S	12/14/1999		115.0000		
Chloride	mg/L	UMW-10S	06/06/2000		105.0000		
Chloride	mg/L	UMW-10S	12/04/2000		48.6000		
Chloride	mg/L	UMW-10S	06/25/2001		58.5000		
Chloride	mg/L	UMW-10S	09/18/2001		47.8000		
Chloride	mg/L	UMW-10S	12/13/2001		41.8000		
Chloride	mg/L	UMW-10S	03/06/2002		42.9000		
Chloride	mg/L	UMW-10S	06/06/2002		51.0000		
Chloride	mg/L	UMW-10S	12/04/2002		51.4000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	UMW-10S	06/17/2003		116.0000		
Chloride	mg/L	UMW-10S	12/02/2003		76.6000		
Chloride	mg/L	UMW-10S	06/08/2004		196.0000		
Chloride	mg/L	UMW-10S	12/07/2004		138.0000		
Chloride	mg/L	UMW-10S	06/14/2005		122.0000		
Chloride	mg/L	UMW-10S	12/06/2005		92.1000		
Chloride	mg/L	UMW-10S	05/15/2006		89.9000		
Chloride	mg/L	UMW-10S	11/07/2006		43.9000		
Chloride	mg/L	UMW-10S	05/07/2007		37.4000		
Chloride	mg/L	UMW-10S	11/06/2007		29.7000		
Chloride	mg/L	UMW-10S	05/05/2008		23.8000		
Chloride	mg/L	UMW-10S	11/10/2008		21.2000		
Chloride	mg/L	UMW-10S	05/03/2010		24.1000		
Chloride	mg/L	UMW-10S	05/17/2011		19.0000		
Chloride	mg/L	UMW-10S	05/21/2012		56.0000		
Chloride	mg/L	UMW-10S	05/06/2013		120.0000		
Chloride	mg/L	UMW-10S	05/06/2014		110.0000		
Chloride	mg/L	UMW-10S	05/12/2015		60.0000		
Chloride	mg/L	UMW-10S	05/09/2016		81.0000		
Chloride	mg/L	UMW-10S	05/09/2017		162.0000		
Chloride	mg/L	UMW-10S	05/08/2018		100.0000		
Chloride	mg/L	UMW-10S	05/15/2019		153.0000		
Chloride	mg/L	UMW-10S	05/12/2020		283.0000		
Chloride	mg/L	UMW-10S	05/11/2021		263.0000		
Chloride	mg/L	UMW-10S	05/11/2022		275.0000		
Chloride	mg/L	UMW-10S	05/02/2023		298.0000		
Chloride	mg/L	UMW-10S	05/07/2024		258.0000		
Chloride	mg/L	UMW-4D	09/16/1992		39.0000		
Chloride	mg/L	UMW-4D	12/09/1992		41.0000		
Chloride	mg/L	UMW-4D	03/08/1993		42.0000		
Chloride	mg/L	UMW-4D	06/15/1993		41.0000		
Chloride	mg/L	UMW-4D	09/02/1993		41.0000		
Chloride	mg/L	UMW-4D	12/02/1993		42.0000		
Chloride	mg/L	UMW-4D	03/08/1994		37.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	UMW-4D	06/14/1994		41.0000		
Chloride	mg/L	UMW-4D	09/21/1994		40.0000		
Chloride	mg/L	UMW-4D	12/19/1994		37.0000		
Chloride	mg/L	UMW-4D	03/15/1995		40.0000		
Chloride	mg/L	UMW-4D	09/25/1995		34.0000		
Chloride	mg/L	UMW-4D	12/07/1995		40.0000		
Chloride	mg/L	UMW-4D	06/19/1996		37.0000		
Chloride	mg/L	UMW-4D	12/18/1996		37.0000		
Chloride	mg/L	UMW-4D	06/02/1997		35.0000		
Chloride	mg/L	UMW-4D	09/11/1997		33.0000		
Chloride	mg/L	UMW-4D	12/11/1997		38.0000		
Chloride	mg/L	UMW-4D	03/17/1998		36.0000		
Chloride	mg/L	UMW-4D	06/09/1998		38.0000		
Chloride	mg/L	UMW-4D	09/10/1998		36.0000		
Chloride	mg/L	UMW-4D	12/08/1998		34.9000		
Chloride	mg/L	UMW-4D	06/08/1999		33.8000		
Chloride	mg/L	UMW-4D	12/15/1999		38.0000		
Chloride	mg/L	UMW-4D	06/06/2000		38.7000		
Chloride	mg/L	UMW-4D	12/04/2000		38.4000		
Chloride	mg/L	UMW-4D	06/25/2001		36.8000		
Chloride	mg/L	UMW-4D	12/13/2001		38.2000		
Chloride	mg/L	UMW-4D	06/06/2002		40.5000		
Chloride	mg/L	UMW-4D	12/05/2002		36.7000		
Chloride	mg/L	UMW-4D	06/18/2003		41.2000		
Chloride	mg/L	UMW-4D	12/03/2003		39.3000		
Chloride	mg/L	UMW-4D	06/10/2004		42.2000		
Chloride	mg/L	UMW-4D	12/07/2004		39.2000		
Chloride	mg/L	UMW-4D	06/16/2005		41.2000		
Chloride	mg/L	UMW-4D	12/07/2005		43.6000		
Chloride	mg/L	UMW-4D	05/17/2006		46.1000		
Chloride	mg/L	UMW-4D	11/08/2006		42.3000		
Chloride	mg/L	UMW-4D	05/09/2007		45.9000		
Chloride	mg/L	UMW-4D	11/07/2007		42.8000		
Chloride	mg/L	UMW-4D	05/07/2008		39.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	UMW-4D	11/12/2008		47.8000		
Iron -diss	mg/L	EX-4D	03/25/1997		0.0770		
Iron -diss	mg/L	EX-4D	03/17/1998		0.0560		
Iron -diss	mg/L	EX-4D	09/09/1998		0.7500		
Iron -diss	mg/L	EX-4D	12/08/1998		1.4000		
Iron -diss	mg/L	EX-4D	03/22/1999		0.1300		
Iron -diss	mg/L	EX-4S	03/25/1997		0.0690		
Iron -diss	mg/L	EX-4S	03/17/1998	ND	0.0500	0.1000	**
Iron -diss	mg/L	EX-4S	09/09/1998		0.1100		
Iron -diss	mg/L	EX-4S	12/08/1998		0.4900		
Iron -diss	mg/L	EX-4S	03/22/1999		0.1100		
Iron -diss	mg/L	UMW-10D	09/14/1992	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	12/10/1992		0.2200		
Iron -diss	mg/L	UMW-10D	03/09/1993	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	06/14/1993	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	09/01/1993	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	12/02/1993	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	03/08/1994	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	06/14/1994	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	09/20/1994	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	12/19/1994	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	03/15/1995	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	09/25/1995	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	12/08/1995		0.1300		
Iron -diss	mg/L	UMW-10D	12/17/1996	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	03/26/1997	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	06/02/1997	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	09/11/1997		0.3600		
Iron -diss	mg/L	UMW-10D	12/10/1997		0.0770		
Iron -diss	mg/L	UMW-10D	03/18/1998		0.1100		
Iron -diss	mg/L	UMW-10D	06/09/1998		0.1300		
Iron -diss	mg/L	UMW-10D	09/09/1998		0.1300		
Iron -diss	mg/L	UMW-10D	12/08/1998	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10D	06/07/1999	ND	0.0500	0.1000	**

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Iron -diss	mg/L	UMW-10D	12/14/1999	ND	0.1000		
Iron -diss	mg/L	UMW-10D	06/06/2000	ND	0.1000		
Iron -diss	mg/L	UMW-10D	12/04/2000	ND	0.1000		
Iron -diss	mg/L	UMW-10D	06/25/2001	ND	0.1000		
Iron -diss	mg/L	UMW-10D	09/18/2001	ND	0.1000		
Iron -diss	mg/L	UMW-10D	12/13/2001	ND	0.1000		
Iron -diss	mg/L	UMW-10D	03/06/2002	ND	0.1000		
Iron -diss	mg/L	UMW-10D	06/06/2002	ND	0.1000		
Iron -diss	mg/L	UMW-10D	12/04/2002	ND	0.1000		
Iron -diss	mg/L	UMW-10D	06/17/2003	ND	0.1000		
Iron -diss	mg/L	UMW-10D	12/02/2003	ND	0.1000		
Iron -diss	mg/L	UMW-10D	06/08/2004	ND	0.1000		
Iron -diss	mg/L	UMW-10D	12/07/2004	ND	0.1000		
Iron -diss	mg/L	UMW-10D	06/14/2005	ND	0.1000		
Iron -diss	mg/L	UMW-10D	12/06/2005	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/15/2006	ND	0.1000		
Iron -diss	mg/L	UMW-10D	11/07/2006	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/07/2007	ND	0.1000		
Iron -diss	mg/L	UMW-10D	11/06/2007	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/05/2008	ND	0.1000		
Iron -diss	mg/L	UMW-10D	11/10/2008		0.2400		
Iron -diss	mg/L	UMW-10D	05/03/2010	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/17/2011	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/21/2012	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/06/2013	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/06/2014	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/12/2015	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/09/2016	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/09/2017	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/08/2018	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/15/2019	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/12/2020	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/11/2021	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/11/2022	ND	0.1000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Iron -diss	mg/L	UMW-10D	05/02/2023	ND	0.1000		
Iron -diss	mg/L	UMW-10D	05/07/2024	ND	0.1000		
Iron -diss	mg/L	UMW-10S	09/14/1992	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	12/10/1992		11.0000		*
Iron -diss	mg/L	UMW-10S	03/09/1993	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	06/15/1993	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	09/01/1993	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	12/02/1993		0.4400		
Iron -diss	mg/L	UMW-10S	03/08/1994		0.0600		
Iron -diss	mg/L	UMW-10S	06/14/1994	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	09/20/1994		0.1300		
Iron -diss	mg/L	UMW-10S	12/19/1994		0.0720		
Iron -diss	mg/L	UMW-10S	03/15/1995	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	09/25/1995	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	12/08/1995		0.3200		
Iron -diss	mg/L	UMW-10S	12/17/1996	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	03/26/1997	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	06/02/1997	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	09/11/1997	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	12/10/1997	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	03/18/1998		1.1000		*
Iron -diss	mg/L	UMW-10S	06/09/1998	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	09/09/1998		0.1900		
Iron -diss	mg/L	UMW-10S	12/08/1998	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	06/07/1999	ND	0.0500	0.1000	**
Iron -diss	mg/L	UMW-10S	12/14/1999	ND	0.1000		
Iron -diss	mg/L	UMW-10S	06/06/2000	ND	0.1000		
Iron -diss	mg/L	UMW-10S	12/04/2000	ND	0.1000		
Iron -diss	mg/L	UMW-10S	06/25/2001	ND	0.1000		
Iron -diss	mg/L	UMW-10S	09/18/2001	ND	0.1000		
Iron -diss	mg/L	UMW-10S	12/13/2001	ND	0.1000		
Iron -diss	mg/L	UMW-10S	03/06/2002	ND	0.1000		
Iron -diss	mg/L	UMW-10S	06/06/2002	ND	0.1000		
Iron -diss	mg/L	UMW-10S	12/04/2002	ND	0.1000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Iron -diss	mg/L	UMW-10S	06/17/2003	ND	0.1000		
Iron -diss	mg/L	UMW-10S	12/02/2003	ND	0.1000		
Iron -diss	mg/L	UMW-10S	06/08/2004	ND	0.1000		
Iron -diss	mg/L	UMW-10S	12/07/2004	ND	0.1000		
Iron -diss	mg/L	UMW-10S	06/14/2005	ND	0.1000		
Iron -diss	mg/L	UMW-10S	12/06/2005	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/15/2006	ND	0.1000		
Iron -diss	mg/L	UMW-10S	11/07/2006	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/07/2007	ND	0.1000		
Iron -diss	mg/L	UMW-10S	11/06/2007	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/05/2008	ND	0.1000		
Iron -diss	mg/L	UMW-10S	11/10/2008	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/03/2010	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/17/2011	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/21/2012	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/06/2013	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/06/2014	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/12/2015	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/09/2016	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/09/2017	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/08/2018	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/15/2019	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/12/2020	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/11/2021	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/11/2022	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/02/2023	ND	0.1000		
Iron -diss	mg/L	UMW-10S	05/07/2024	ND	0.1000		
Iron -diss	mg/L	UMW-4D	09/16/1992		0.2000		
Iron -diss	mg/L	UMW-4D	12/09/1992		0.2500		
Iron -diss	mg/L	UMW-4D	03/08/1993		0.3300		
Iron -diss	mg/L	UMW-4D	06/15/1993		0.3500		
Iron -diss	mg/L	UMW-4D	09/02/1993		0.3600		
Iron -diss	mg/L	UMW-4D	12/02/1993		0.4400		
Iron -diss	mg/L	UMW-4D	03/08/1994		0.4000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Iron -diss	mg/L	UMW-4D	06/14/1994		0.3400		
Iron -diss	mg/L	UMW-4D	09/21/1994		1.6000		
Iron -diss	mg/L	UMW-4D	12/19/1994		0.2700		
Iron -diss	mg/L	UMW-4D	03/15/1995		0.4100		
Iron -diss	mg/L	UMW-4D	09/25/1995		0.3800		
Iron -diss	mg/L	UMW-4D	12/07/1995	ND	0.0500		*
Iron -diss	mg/L	UMW-4D	12/18/1996		0.5100		
Iron -diss	mg/L	UMW-4D	06/02/1997		0.3100		
Iron -diss	mg/L	UMW-4D	09/11/1997		0.3900		
Iron -diss	mg/L	UMW-4D	12/11/1997		0.6800		
Iron -diss	mg/L	UMW-4D	03/17/1998		0.3700		
Iron -diss	mg/L	UMW-4D	06/09/1998		0.3400		
Iron -diss	mg/L	UMW-4D	09/10/1998		0.3600		
Iron -diss	mg/L	UMW-4D	12/08/1998		0.3500		
Iron -diss	mg/L	UMW-4D	06/08/1999		0.3500		
Iron -diss	mg/L	UMW-4D	12/15/1999		0.3700		
Iron -diss	mg/L	UMW-4D	06/06/2000		0.4900		
Iron -diss	mg/L	UMW-4D	12/04/2000		0.5300		
Iron -diss	mg/L	UMW-4D	06/25/2001		0.4600		
Iron -diss	mg/L	UMW-4D	12/13/2001	ND	0.1000		*
Iron -diss	mg/L	UMW-4D	06/06/2002		0.5200		
Iron -diss	mg/L	UMW-4D	12/05/2002		0.2600		
Iron -diss	mg/L	UMW-4D	06/18/2003		0.6300		
Iron -diss	mg/L	UMW-4D	12/03/2003		0.5900		
Iron -diss	mg/L	UMW-4D	06/10/2004		0.6600		
Iron -diss	mg/L	UMW-4D	12/07/2004		0.7200		
Iron -diss	mg/L	UMW-4D	06/16/2005		0.5800		
Iron -diss	mg/L	UMW-4D	12/07/2005		0.7100		
Iron -diss	mg/L	UMW-4D	05/17/2006		0.7400		
Iron -diss	mg/L	UMW-4D	11/08/2006		0.8500		
Iron -diss	mg/L	UMW-4D	05/09/2007		0.7200		
Iron -diss	mg/L	UMW-4D	11/07/2007		0.6000		
Iron -diss	mg/L	UMW-4D	05/07/2008		1.5000		
Iron -diss	mg/L	UMW-4D	11/12/2008		0.7500		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Manganese -diss	mg/L	EX-4D	03/25/1997		0.2800		
Manganese -diss	mg/L	EX-4D	09/09/1998		0.2400		
Manganese -diss	mg/L	EX-4D	12/08/1998		0.2200		
Manganese -diss	mg/L	EX-4D	03/22/1999		0.0300		
Manganese -diss	mg/L	EX-4S	03/25/1997	ND	0.0100		
Manganese -diss	mg/L	EX-4S	09/09/1998	ND	0.0150	0.0100	**
Manganese -diss	mg/L	EX-4S	12/08/1998		0.0240		
Manganese -diss	mg/L	EX-4S	03/22/1999		0.2900		
Manganese -diss	mg/L	UMW-10D	09/14/1992	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/10/1992	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	03/09/1993	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	06/14/1993	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	09/01/1993	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/02/1993	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	03/08/1994	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	06/14/1994	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	09/20/1994	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/19/1994	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	03/15/1995	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	09/25/1995	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/08/1995	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/17/1996	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	03/26/1997	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	06/02/1997	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	09/11/1997	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/10/1997	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	03/18/1998	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	06/09/1998	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	09/09/1998		0.0170		
Manganese -diss	mg/L	UMW-10D	12/08/1998	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	06/07/1999	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/14/1999	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	06/06/2000	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/04/2000	ND	0.0100		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Manganese -diss	mg/L	UMW-10D	06/25/2001	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	09/18/2001	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/13/2001	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	03/06/2002	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	06/06/2002	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/04/2002	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	06/17/2003	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/02/2003	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	06/08/2004	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/07/2004	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	06/14/2005	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	12/06/2005	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	05/15/2006	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	11/07/2006	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	05/07/2007	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	11/06/2007	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	05/05/2008	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	11/10/2008	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	05/03/2010	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	05/17/2011	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	05/21/2012	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	05/06/2013	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	05/06/2014	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	05/12/2015	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	05/09/2016	ND	0.0100		
Manganese -diss	mg/L	UMW-10D	05/09/2017	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10D	05/08/2018	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10D	05/15/2019	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10D	05/12/2020	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10D	05/11/2021	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10D	05/11/2022	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10D	05/02/2023	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10D	05/07/2024	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10S	09/14/1992	ND	0.0100		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Manganese -diss	mg/L	UMW-10S	12/10/1992		0.0800		
Manganese -diss	mg/L	UMW-10S	03/09/1993	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	06/15/1993	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	09/01/1993	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/02/1993		0.6700		
Manganese -diss	mg/L	UMW-10S	03/08/1994	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	06/14/1994	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	09/20/1994	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/19/1994	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	03/15/1995	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	09/25/1995	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/08/1995	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/17/1996	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	03/26/1997	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	06/02/1997	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	09/11/1997	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/10/1997	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	03/18/1998		0.0130		
Manganese -diss	mg/L	UMW-10S	06/09/1998	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	09/09/1998	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/08/1998	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	06/07/1999	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/14/1999	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	06/06/2000	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/04/2000	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	06/25/2001	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	09/18/2001	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/13/2001	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	03/06/2002	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	06/06/2002	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/04/2002	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	06/17/2003	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/02/2003	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	06/08/2004		0.0120		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Manganese -diss	mg/L	UMW-10S	12/07/2004	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	06/14/2005	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	12/06/2005	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	05/15/2006	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	11/07/2006	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	05/07/2007	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	11/06/2007	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	05/05/2008	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	11/10/2008	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	05/03/2010	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	05/17/2011	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	05/21/2012	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	05/06/2013	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	05/06/2014	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	05/12/2015	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	05/09/2016	ND	0.0100		
Manganese -diss	mg/L	UMW-10S	05/09/2017	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10S	05/08/2018	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10S	05/15/2019	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10S	05/12/2020	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10S	05/11/2021	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10S	05/11/2022	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10S	05/02/2023	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-10S	05/07/2024	ND	0.0150	0.0100	**
Manganese -diss	mg/L	UMW-4D	09/16/1992		0.3400		
Manganese -diss	mg/L	UMW-4D	12/09/1992		0.4400		
Manganese -diss	mg/L	UMW-4D	03/08/1993		0.5100		
Manganese -diss	mg/L	UMW-4D	06/15/1993		0.5300		
Manganese -diss	mg/L	UMW-4D	09/02/1993		0.5100		
Manganese -diss	mg/L	UMW-4D	12/02/1993		0.6700		
Manganese -diss	mg/L	UMW-4D	03/08/1994		0.5000		
Manganese -diss	mg/L	UMW-4D	06/14/1994		0.5700		
Manganese -diss	mg/L	UMW-4D	09/21/1994		0.6400		
Manganese -diss	mg/L	UMW-4D	12/19/1994		0.8700		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Manganese -diss	mg/L	UMW-4D	03/15/1995		0.5400		
Manganese -diss	mg/L	UMW-4D	09/25/1995		0.4400		
Manganese -diss	mg/L	UMW-4D	12/07/1995		0.5300		
Manganese -diss	mg/L	UMW-4D	12/18/1996		0.5000		
Manganese -diss	mg/L	UMW-4D	06/02/1997		0.4000		
Manganese -diss	mg/L	UMW-4D	09/11/1997		0.4000		
Manganese -diss	mg/L	UMW-4D	12/11/1997		0.3600		
Manganese -diss	mg/L	UMW-4D	03/17/1998		0.4100		
Manganese -diss	mg/L	UMW-4D	06/09/1998		0.3200		
Manganese -diss	mg/L	UMW-4D	09/10/1998		0.3200		
Manganese -diss	mg/L	UMW-4D	12/08/1998		0.3300		
Manganese -diss	mg/L	UMW-4D	06/08/1999		0.4000		
Manganese -diss	mg/L	UMW-4D	12/15/1999		0.4600		
Manganese -diss	mg/L	UMW-4D	06/06/2000		0.4000		
Manganese -diss	mg/L	UMW-4D	12/04/2000		0.3900		
Manganese -diss	mg/L	UMW-4D	06/25/2001		0.4100		
Manganese -diss	mg/L	UMW-4D	12/13/2001		0.5000		
Manganese -diss	mg/L	UMW-4D	06/06/2002		0.5200		
Manganese -diss	mg/L	UMW-4D	12/05/2002		0.5300		
Manganese -diss	mg/L	UMW-4D	06/18/2003		0.4900		
Manganese -diss	mg/L	UMW-4D	12/03/2003		0.4600		
Manganese -diss	mg/L	UMW-4D	06/10/2004		0.4000		
Manganese -diss	mg/L	UMW-4D	12/07/2004		0.3700		
Manganese -diss	mg/L	UMW-4D	06/16/2005		0.3300		
Manganese -diss	mg/L	UMW-4D	12/07/2005		0.4300		
Manganese -diss	mg/L	UMW-4D	05/17/2006		0.3800		
Manganese -diss	mg/L	UMW-4D	11/08/2006		0.3500		
Manganese -diss	mg/L	UMW-4D	05/09/2007		0.3600		
Manganese -diss	mg/L	UMW-4D	11/07/2007		0.4100		
Manganese -diss	mg/L	UMW-4D	05/07/2008		0.6600		
Manganese -diss	mg/L	UMW-4D	11/12/2008		0.3300		
Spec cond (field)	UMHOS	UMW-10D	06/07/1999		338.0000		
Spec cond (field)	UMHOS	UMW-10D	09/18/2001		520.0000		
Spec cond (field)	UMHOS	UMW-10D	12/13/2001		504.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Spec cond (field)	UMHOS	UMW-10D	03/06/2002		519.0000		
Spec cond (field)	UMHOS	UMW-10D	06/06/2002		509.0000		
Spec cond (field)	UMHOS	UMW-10D	12/04/2002		533.0000		
Spec cond (field)	UMHOS	UMW-10D	06/17/2003		778.0000		
Spec cond (field)	UMHOS	UMW-10D	12/02/2003		629.0000		
Spec cond (field)	UMHOS	UMW-10D	06/08/2004		529.0000		
Spec cond (field)	UMHOS	UMW-10D	12/07/2004		386.0000		
Spec cond (field)	UMHOS	UMW-10D	06/14/2005		569.0000		
Spec cond (field)	UMHOS	UMW-10D	12/06/2005		559.0000		
Spec cond (field)	UMHOS	UMW-10D	05/15/2006		581.0000		
Spec cond (field)	UMHOS	UMW-10D	11/07/2006		563.0000		
Spec cond (field)	UMHOS	UMW-10D	05/07/2007		665.0000		
Spec cond (field)	UMHOS	UMW-10D	11/06/2007		628.0000		
Spec cond (field)	UMHOS	UMW-10D	05/05/2008		562.0000		
Spec cond (field)	UMHOS	UMW-10D	11/10/2008		533.0000		
Spec cond (field)	UMHOS	UMW-10D	05/03/2010		620.0000		
Spec cond (field)	UMHOS	UMW-10D	05/17/2011		608.0000		
Spec cond (field)	UMHOS	UMW-10D	05/21/2012		711.0000		
Spec cond (field)	UMHOS	UMW-10D	05/06/2013		661.0000		
Spec cond (field)	UMHOS	UMW-10D	05/06/2014		608.0000		
Spec cond (field)	UMHOS	UMW-10D	05/12/2015		703.0000		
Spec cond (field)	UMHOS	UMW-10D	05/09/2016		681.0000		
Spec cond (field)	UMHOS	UMW-10D	05/09/2017		861.0000		
Spec cond (field)	UMHOS	UMW-10D	05/08/2018		800.0000		
Spec cond (field)	UMHOS	UMW-10D	05/15/2019		892.0000		
Spec cond (field)	UMHOS	UMW-10D	05/12/2020		1058.0000		
Spec cond (field)	UMHOS	UMW-10D	05/11/2021		1013.0000		
Spec cond (field)	UMHOS	UMW-10D	05/11/2022		1075.0000		
Spec cond (field)	UMHOS	UMW-10D	05/02/2023		1045.0000		
Spec cond (field)	UMHOS	UMW-10D	05/07/2024		775.0000		
Spec cond (field)	UMHOS	UMW-10S	06/07/1999		671.0000		
Spec cond (field)	UMHOS	UMW-10S	09/18/2001		438.0000		
Spec cond (field)	UMHOS	UMW-10S	12/13/2001		384.0000		
Spec cond (field)	UMHOS	UMW-10S	03/06/2002		396.0000		

* - Outlier for that well and constituent.
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*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Spec cond (field)	UMHOS	UMW-10S	06/06/2002		407.0000		
Spec cond (field)	UMHOS	UMW-10S	12/04/2002		451.0000		
Spec cond (field)	UMHOS	UMW-10S	06/17/2003		811.0000		
Spec cond (field)	UMHOS	UMW-10S	12/02/2003		957.0000		
Spec cond (field)	UMHOS	UMW-10S	06/08/2004		768.0000		
Spec cond (field)	UMHOS	UMW-10S	12/07/2004		492.0000		
Spec cond (field)	UMHOS	UMW-10S	06/14/2005		663.0000		
Spec cond (field)	UMHOS	UMW-10S	12/06/2005		566.0000		
Spec cond (field)	UMHOS	UMW-10S	05/15/2006		549.0000		
Spec cond (field)	UMHOS	UMW-10S	11/07/2006		368.0000		
Spec cond (field)	UMHOS	UMW-10S	05/07/2007		412.0000		
Spec cond (field)	UMHOS	UMW-10S	11/06/2007		419.0000		
Spec cond (field)	UMHOS	UMW-10S	05/05/2008		276.0000		
Spec cond (field)	UMHOS	UMW-10S	11/10/2008		539.0000		
Spec cond (field)	UMHOS	UMW-10S	05/03/2010		310.0000		
Spec cond (field)	UMHOS	UMW-10S	05/17/2011		273.0000		
Spec cond (field)	UMHOS	UMW-10S	05/21/2012		446.0000		
Spec cond (field)	UMHOS	UMW-10S	05/06/2013		702.0000		
Spec cond (field)	UMHOS	UMW-10S	05/06/2014		488.0000		
Spec cond (field)	UMHOS	UMW-10S	05/12/2015		431.0000		
Spec cond (field)	UMHOS	UMW-10S	05/09/2016		562.0000		
Spec cond (field)	UMHOS	UMW-10S	05/09/2017		845.0000		
Spec cond (field)	UMHOS	UMW-10S	05/08/2018		946.0000		
Spec cond (field)	UMHOS	UMW-10S	05/15/2019		830.0000		
Spec cond (field)	UMHOS	UMW-10S	05/12/2020		1145.0000		
Spec cond (field)	UMHOS	UMW-10S	05/11/2021		1291.0000		
Spec cond (field)	UMHOS	UMW-10S	05/11/2022		616.0000		
Spec cond (field)	UMHOS	UMW-10S	05/02/2023		1270.0000		
Spec cond (field)	UMHOS	UMW-10S	05/07/2024		1262.0000		
Spec cond (field)	UMHOS	UMW-4D	06/08/1999		673.0000		
Spec cond (field)	UMHOS	UMW-4D	12/13/2001		757.0000		
Spec cond (field)	UMHOS	UMW-4D	06/06/2002		172.0000		*
Spec cond (field)	UMHOS	UMW-4D	12/05/2002		716.0000		
Spec cond (field)	UMHOS	UMW-4D	06/18/2003		922.0000		

* - Outlier for that well and constituent.
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*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Spec cond (field)	UMHOS	UMW-4D	12/03/2003		685.0000		
Spec cond (field)	UMHOS	UMW-4D	06/10/2004		593.0000		
Spec cond (field)	UMHOS	UMW-4D	12/07/2004		632.0000		
Spec cond (field)	UMHOS	UMW-4D	06/16/2005		714.0000		
Spec cond (field)	UMHOS	UMW-4D	12/07/2005		733.0000		
Spec cond (field)	UMHOS	UMW-4D	05/17/2006		715.0000		
Spec cond (field)	UMHOS	UMW-4D	11/08/2006		717.0000		
Spec cond (field)	UMHOS	UMW-4D	05/09/2007		793.0000		
Spec cond (field)	UMHOS	UMW-4D	11/07/2007		1071.0000		
Spec cond (field)	UMHOS	UMW-4D	05/07/2008		679.0000		
Spec cond (field)	UMHOS	UMW-4D	11/12/2008		710.0000		
Sulfate	mg/L	EX-4D	03/25/1997		30.0000		
Sulfate	mg/L	EX-4D	03/17/1998		37.0000		
Sulfate	mg/L	EX-4D	09/09/1998		32.3000		
Sulfate	mg/L	EX-4D	12/08/1998		29.3000		
Sulfate	mg/L	EX-4D	03/22/1999		13.1000		
Sulfate	mg/L	EX-4S	03/25/1997		11.0000		
Sulfate	mg/L	EX-4S	03/17/1998		16.0000		
Sulfate	mg/L	EX-4S	09/09/1998		17.0000		
Sulfate	mg/L	EX-4S	12/08/1998		15.3000		
Sulfate	mg/L	EX-4S	03/22/1999		29.5000		
Sulfate	mg/L	UMW-10D	09/14/1992		28.0000		
Sulfate	mg/L	UMW-10D	12/10/1992		24.0000		
Sulfate	mg/L	UMW-10D	03/09/1993		23.0000		
Sulfate	mg/L	UMW-10D	06/14/1993		13.0000		
Sulfate	mg/L	UMW-10D	09/01/1993		18.0000		
Sulfate	mg/L	UMW-10D	12/02/1993		29.0000		
Sulfate	mg/L	UMW-10D	03/08/1994		21.0000		
Sulfate	mg/L	UMW-10D	06/14/1994		22.0000		
Sulfate	mg/L	UMW-10D	12/19/1994		20.0000		
Sulfate	mg/L	UMW-10D	03/15/1995		27.0000		
Sulfate	mg/L	UMW-10D	09/25/1995		24.0000		
Sulfate	mg/L	UMW-10D	12/08/1995		24.0000		
Sulfate	mg/L	UMW-10D	06/19/1996		20.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Sulfate	mg/L	UMW-10D	12/17/1996		23.0000		
Sulfate	mg/L	UMW-10D	03/26/1997		25.0000		
Sulfate	mg/L	UMW-10D	06/02/1997		22.0000		
Sulfate	mg/L	UMW-10D	09/11/1997		31.0000		
Sulfate	mg/L	UMW-10D	12/10/1997		16.0000		
Sulfate	mg/L	UMW-10D	03/18/1998		110.0000		*
Sulfate	mg/L	UMW-10D	06/09/1998		25.0000		
Sulfate	mg/L	UMW-10D	09/09/1998		24.0000		
Sulfate	mg/L	UMW-10D	12/08/1998		19.6000		
Sulfate	mg/L	UMW-10D	06/07/1999		20.3000		
Sulfate	mg/L	UMW-10D	12/14/1999		20.5000		
Sulfate	mg/L	UMW-10D	06/06/2000		19.1000		
Sulfate	mg/L	UMW-10D	12/04/2000		22.0000		
Sulfate	mg/L	UMW-10D	06/25/2001		21.4000		
Sulfate	mg/L	UMW-10D	09/18/2001		22.8000		
Sulfate	mg/L	UMW-10D	12/13/2001		23.2000		
Sulfate	mg/L	UMW-10D	03/06/2002		23.8000		
Sulfate	mg/L	UMW-10D	06/06/2002		23.3000		
Sulfate	mg/L	UMW-10D	12/04/2002		25.5000		
Sulfate	mg/L	UMW-10D	06/17/2003		24.8000		
Sulfate	mg/L	UMW-10D	12/02/2003		21.4000		
Sulfate	mg/L	UMW-10D	06/08/2004		27.6000		
Sulfate	mg/L	UMW-10D	12/07/2004		28.2000		
Sulfate	mg/L	UMW-10D	06/14/2005		29.7000		
Sulfate	mg/L	UMW-10D	12/06/2005		29.0000		
Sulfate	mg/L	UMW-10D	05/15/2006		37.9000		
Sulfate	mg/L	UMW-10D	11/07/2006		27.5000		
Sulfate	mg/L	UMW-10D	05/07/2007		30.5000		
Sulfate	mg/L	UMW-10D	11/06/2007		37.7000		
Sulfate	mg/L	UMW-10D	05/05/2008		37.9000		
Sulfate	mg/L	UMW-10D	11/10/2008		32.5000		
Sulfate	mg/L	UMW-10D	05/03/2010		31.3000		
Sulfate	mg/L	UMW-10D	05/17/2011		33.0000		
Sulfate	mg/L	UMW-10D	05/21/2012		28.0000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Sulfate	mg/L	UMW-10D	05/06/2013		36.0000		
Sulfate	mg/L	UMW-10D	05/06/2014		43.0000		
Sulfate	mg/L	UMW-10D	05/12/2015		37.0000		
Sulfate	mg/L	UMW-10D	05/09/2016		39.0000		
Sulfate	mg/L	UMW-10D	05/09/2017		33.8000		
Sulfate	mg/L	UMW-10D	05/08/2018		36.4000		
Sulfate	mg/L	UMW-10D	05/15/2019		31.2000		
Sulfate	mg/L	UMW-10D	05/12/2020		32.7000		
Sulfate	mg/L	UMW-10D	05/11/2021		36.0000		
Sulfate	mg/L	UMW-10D	05/11/2022		36.8000		
Sulfate	mg/L	UMW-10D	05/02/2023		38.3000		
Sulfate	mg/L	UMW-10D	05/07/2024		40.2000		
Sulfate	mg/L	UMW-10S	09/14/1992		22.0000		
Sulfate	mg/L	UMW-10S	12/10/1992		22.0000		
Sulfate	mg/L	UMW-10S	03/09/1993		19.0000		
Sulfate	mg/L	UMW-10S	06/15/1993		12.0000		
Sulfate	mg/L	UMW-10S	09/01/1993		20.0000		
Sulfate	mg/L	UMW-10S	12/02/1993		280.0000		*
Sulfate	mg/L	UMW-10S	03/08/1994		18.0000		
Sulfate	mg/L	UMW-10S	06/14/1994		15.0000		
Sulfate	mg/L	UMW-10S	09/20/1994		18.0000		
Sulfate	mg/L	UMW-10S	12/19/1994		18.0000		
Sulfate	mg/L	UMW-10S	03/23/1995		18.0000		
Sulfate	mg/L	UMW-10S	09/25/1995		14.0000		
Sulfate	mg/L	UMW-10S	12/08/1995		24.0000		
Sulfate	mg/L	UMW-10S	06/19/1996		18.0000		
Sulfate	mg/L	UMW-10S	12/17/1996		22.0000		
Sulfate	mg/L	UMW-10S	03/26/1997		20.0000		
Sulfate	mg/L	UMW-10S	06/02/1997		18.0000		
Sulfate	mg/L	UMW-10S	09/11/1997		41.0000		
Sulfate	mg/L	UMW-10S	12/10/1997		24.0000		
Sulfate	mg/L	UMW-10S	03/18/1998		25.0000		
Sulfate	mg/L	UMW-10S	06/09/1998		20.0000		
Sulfate	mg/L	UMW-10S	09/09/1998		18.6000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Sulfate	mg/L	UMW-10S	12/08/1998		16.1000		
Sulfate	mg/L	UMW-10S	06/07/1999		17.3000		
Sulfate	mg/L	UMW-10S	12/14/1999		19.1000		
Sulfate	mg/L	UMW-10S	06/06/2000		17.6000		
Sulfate	mg/L	UMW-10S	12/04/2000		18.0000		
Sulfate	mg/L	UMW-10S	06/25/2001		17.7000		
Sulfate	mg/L	UMW-10S	09/18/2001		17.4000		
Sulfate	mg/L	UMW-10S	12/13/2001		16.2000		
Sulfate	mg/L	UMW-10S	03/06/2002		16.3000		
Sulfate	mg/L	UMW-10S	06/06/2002		15.2000		
Sulfate	mg/L	UMW-10S	12/04/2002		19.0000		
Sulfate	mg/L	UMW-10S	06/17/2003		17.4000		
Sulfate	mg/L	UMW-10S	12/02/2003		25.8000		
Sulfate	mg/L	UMW-10S	06/08/2004		23.2000		
Sulfate	mg/L	UMW-10S	12/07/2004		22.0000		
Sulfate	mg/L	UMW-10S	06/14/2005		22.2000		
Sulfate	mg/L	UMW-10S	12/06/2005		17.9000		
Sulfate	mg/L	UMW-10S	05/15/2006		24.9000		
Sulfate	mg/L	UMW-10S	11/07/2006		13.3000		
Sulfate	mg/L	UMW-10S	05/07/2007		13.9000		
Sulfate	mg/L	UMW-10S	11/06/2007		15.8000		
Sulfate	mg/L	UMW-10S	05/05/2008		14.9000		
Sulfate	mg/L	UMW-10S	11/10/2008		11.5000		
Sulfate	mg/L	UMW-10S	05/03/2010		13.2000		
Sulfate	mg/L	UMW-10S	05/17/2011		10.0000		
Sulfate	mg/L	UMW-10S	05/21/2012		13.0000		
Sulfate	mg/L	UMW-10S	05/06/2013		18.0000		
Sulfate	mg/L	UMW-10S	05/06/2014		19.0000		
Sulfate	mg/L	UMW-10S	05/12/2015		13.0000		
Sulfate	mg/L	UMW-10S	05/09/2016		16.0000		
Sulfate	mg/L	UMW-10S	05/09/2017		17.3000		
Sulfate	mg/L	UMW-10S	05/08/2018		36.3000		
Sulfate	mg/L	UMW-10S	05/15/2019		18.6000		
Sulfate	mg/L	UMW-10S	05/12/2020		22.9000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Sulfate	mg/L	UMW-10S	05/11/2021		20.9000		
Sulfate	mg/L	UMW-10S	05/11/2022		24.4000		
Sulfate	mg/L	UMW-10S	05/02/2023		26.0000		
Sulfate	mg/L	UMW-10S	05/07/2024		19.3000		
Sulfate	mg/L	UMW-4D	09/16/1992		81.0000		
Sulfate	mg/L	UMW-4D	12/09/1992		72.0000		
Sulfate	mg/L	UMW-4D	03/08/1993		71.0000		
Sulfate	mg/L	UMW-4D	06/15/1993		61.0000		
Sulfate	mg/L	UMW-4D	09/02/1993		74.0000		
Sulfate	mg/L	UMW-4D	12/02/1993		76.0000		
Sulfate	mg/L	UMW-4D	03/08/1994		65.0000		
Sulfate	mg/L	UMW-4D	06/14/1994		32.0000		
Sulfate	mg/L	UMW-4D	09/21/1994		68.0000		
Sulfate	mg/L	UMW-4D	12/19/1994		77.0000		
Sulfate	mg/L	UMW-4D	03/15/1995		100.0000		
Sulfate	mg/L	UMW-4D	09/25/1995		66.0000		
Sulfate	mg/L	UMW-4D	12/07/1995		65.0000		
Sulfate	mg/L	UMW-4D	06/19/1996		56.0000		
Sulfate	mg/L	UMW-4D	12/18/1996		50.0000		
Sulfate	mg/L	UMW-4D	06/02/1997		57.0000		
Sulfate	mg/L	UMW-4D	09/11/1997		76.0000		
Sulfate	mg/L	UMW-4D	12/11/1997		38.0000		
Sulfate	mg/L	UMW-4D	03/17/1998		68.0000		
Sulfate	mg/L	UMW-4D	06/09/1998		66.0000		
Sulfate	mg/L	UMW-4D	09/10/1998		63.0000		
Sulfate	mg/L	UMW-4D	12/08/1998		62.9000		
Sulfate	mg/L	UMW-4D	06/08/1999		56.5000		
Sulfate	mg/L	UMW-4D	12/15/1999		66.9000		
Sulfate	mg/L	UMW-4D	06/06/2000		70.0000		
Sulfate	mg/L	UMW-4D	12/04/2000		69.0000		
Sulfate	mg/L	UMW-4D	06/25/2001		69.1000		
Sulfate	mg/L	UMW-4D	12/13/2001		75.2000		
Sulfate	mg/L	UMW-4D	06/06/2002		80.4000		
Sulfate	mg/L	UMW-4D	12/05/2002		79.6000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Sulfate	mg/L	UMW-4D	06/18/2003		75.0000		
Sulfate	mg/L	UMW-4D	12/03/2003		73.8000		
Sulfate	mg/L	UMW-4D	06/10/2004		75.8000		
Sulfate	mg/L	UMW-4D	12/07/2004		75.2000		
Sulfate	mg/L	UMW-4D	06/16/2005		64.0000		
Sulfate	mg/L	UMW-4D	12/07/2005		88.7000		
Sulfate	mg/L	UMW-4D	05/17/2006		89.3000		
Sulfate	mg/L	UMW-4D	11/08/2006		65.4000		
Sulfate	mg/L	UMW-4D	05/09/2007		65.6000		
Sulfate	mg/L	UMW-4D	11/07/2007		60.2000		
Sulfate	mg/L	UMW-4D	05/07/2008		63.6000		
Sulfate	mg/L	UMW-4D	11/12/2008		60.7000		

* - Outlier for that well and constituent.
** - ND value replaced with median RL.
*** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Chloride	mg/L	A-12D	05/09/2024		16.1000		383.7610
Chloride	mg/L	A-12S	05/09/2024		34.2000		383.7610
Chloride	mg/L	A-13	05/10/2024		1.6000		383.7610
Chloride	mg/L	A-14S	05/09/2024		21.5000		383.7610
Chloride	mg/L	A-15D	05/09/2024		26.2000		383.7610
Chloride	mg/L	A-1D	05/08/2024		29.1000		383.7610
Chloride	mg/L	A-1S	05/08/2024		36.5000		383.7610
Chloride	mg/L	EX-1S	05/09/2024		25.8000		383.7610
Chloride	mg/L	P-2D	05/08/2024		15.8000		383.7610
Chloride	mg/L	P-2S	05/08/2024		24.2000		383.7610
Chloride	mg/L	UMW-11S	05/07/2024		2.3000		383.7610
Chloride	mg/L	UMW-5D	05/08/2024		19.9000		383.7610
Chloride	mg/L	UMW-5SR	05/08/2024		246.0000		383.7610
Chloride	mg/L	UMW-6D	05/08/2024		19.1000		383.7610
Chloride	mg/L	UMW-7D	05/08/2024		26.9000		383.7610
Chloride	mg/L	UMW-7S	05/08/2024		39.6000		383.7610
Chloride	mg/L	UMW-8R	05/08/2024		11.1000		383.7610
Iron -diss	mg/L	A-12D	05/09/2024	ND	0.1000		1.6000
Iron -diss	mg/L	A-12S	05/09/2024		17.5000	***	1.6000
Iron -diss	mg/L	A-13	05/10/2024		28.3000	***	1.6000
Iron -diss	mg/L	A-14S	05/09/2024	ND	0.1000		1.6000
Iron -diss	mg/L	A-15D	05/09/2024	ND	0.1000		1.6000
Iron -diss	mg/L	A-1D	05/08/2024		0.8600		1.6000
Iron -diss	mg/L	A-1S	05/08/2024	ND	0.1000		1.6000
Iron -diss	mg/L	EX-1S	05/09/2024	ND	0.1000		1.6000
Iron -diss	mg/L	P-2D	05/08/2024		1.8000	***	1.6000
Iron -diss	mg/L	P-2S	05/08/2024		1.3000		1.6000
Iron -diss	mg/L	UMW-11S	05/07/2024	ND	0.1000		1.6000
Iron -diss	mg/L	UMW-5D	05/08/2024		0.5800		1.6000
Iron -diss	mg/L	UMW-5SR	05/08/2024		0.3800		1.6000
Iron -diss	mg/L	UMW-6D	05/08/2024		3.6000	***	1.6000
Iron -diss	mg/L	UMW-7D	05/08/2024		0.6100		1.6000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Iron -diss	mg/L	UMW-7S	05/08/2024	ND	0.1000		1.6000
Iron -diss	mg/L	UMW-8R	05/08/2024		24.7000	***	1.6000
Manganese -diss	mg/L	A-12D	05/09/2024	ND	0.0150		0.8700
Manganese -diss	mg/L	A-12S	05/09/2024		3.0000	***	0.8700
Manganese -diss	mg/L	A-13	05/10/2024		1.5000	***	0.8700
Manganese -diss	mg/L	A-14S	05/09/2024		0.4400		0.8700
Manganese -diss	mg/L	A-15D	05/09/2024	ND	0.0150		0.8700
Manganese -diss	mg/L	A-1D	05/08/2024		0.3800		0.8700
Manganese -diss	mg/L	A-1S	05/08/2024		0.0990		0.8700
Manganese -diss	mg/L	EX-1S	05/09/2024		0.3600		0.8700
Manganese -diss	mg/L	P-2D	05/08/2024		0.2100		0.8700
Manganese -diss	mg/L	P-2S	05/08/2024		0.1200		0.8700
Manganese -diss	mg/L	UMW-11S	05/07/2024		0.3600		0.8700
Manganese -diss	mg/L	UMW-5D	05/08/2024		0.6000		0.8700
Manganese -diss	mg/L	UMW-5SR	05/08/2024		5.0000	***	0.8700
Manganese -diss	mg/L	UMW-6D	05/08/2024		0.8000		0.8700
Manganese -diss	mg/L	UMW-7D	05/08/2024		0.1500		0.8700
Manganese -diss	mg/L	UMW-7S	05/08/2024		0.0720		0.8700
Manganese -diss	mg/L	UMW-8R	05/08/2024		38.6000	***	0.8700
Spec cond (field)	UMHOS	A-12D	05/09/2024		540.0000		1428.5686
Spec cond (field)	UMHOS	A-12S	05/09/2024		691.0000		1428.5686
Spec cond (field)	UMHOS	A-13	05/10/2024		501.0000		1428.5686
Spec cond (field)	UMHOS	A-14S	05/09/2024		1185.0000		1428.5686
Spec cond (field)	UMHOS	A-15D	05/09/2024		750.0000		1428.5686
Spec cond (field)	UMHOS	A-1D	05/08/2024		720.0000		1428.5686
Spec cond (field)	UMHOS	A-1S	05/08/2024		575.0000		1428.5686
Spec cond (field)	UMHOS	EX-1S	05/09/2024		1065.0000		1428.5686
Spec cond (field)	UMHOS	P-2D	05/08/2024		610.0000		1428.5686
Spec cond (field)	UMHOS	P-2S	05/08/2024		735.0000		1428.5686
Spec cond (field)	UMHOS	UMW-11S	05/07/2024		450.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5D	05/08/2024		610.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/08/2024		1673.0000	*	1428.5686

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Spec cond (field)	UMHOS	UMW-6D	05/08/2024		655.0000		1428.5686
Spec cond (field)	UMHOS	UMW-7D	05/08/2024		660.0000		1428.5686
Spec cond (field)	UMHOS	UMW-7S	05/08/2024		710.0000		1428.5686
Spec cond (field)	UMHOS	UMW-8R	05/08/2024		670.0000		1428.5686
Sulfate	mg/L	A-12D	05/09/2024		15.5000		100.0000
Sulfate	mg/L	A-12S	05/09/2024		13.6000		100.0000
Sulfate	mg/L	A-13	05/10/2024		316.0000	***	100.0000
Sulfate	mg/L	A-14S	05/09/2024		43.8000		100.0000
Sulfate	mg/L	A-15D	05/09/2024		12.2000		100.0000
Sulfate	mg/L	A-1D	05/08/2024		7.3000		100.0000
Sulfate	mg/L	A-1S	05/08/2024		13.8000		100.0000
Sulfate	mg/L	EX-1S	05/09/2024		37.1000		100.0000
Sulfate	mg/L	P-2D	05/08/2024		18.6000		100.0000
Sulfate	mg/L	P-2S	05/08/2024		20.6000		100.0000
Sulfate	mg/L	UMW-11S	05/07/2024		3.6000		100.0000
Sulfate	mg/L	UMW-5D	05/08/2024		2.3000		100.0000
Sulfate	mg/L	UMW-5SR	05/08/2024		14.7000		100.0000
Sulfate	mg/L	UMW-6D	05/08/2024		19.2000		100.0000
Sulfate	mg/L	UMW-7D	05/08/2024		20.2000		100.0000
Sulfate	mg/L	UMW-7S	05/08/2024		20.1000		100.0000
Sulfate	mg/L	UMW-8R	05/08/2024		20.0000		100.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Chloride	169	169	1.000	848	849	0.999
Iron -diss	62	165	0.376	515	828	0.622
Manganese -diss	52	167	0.311	734	816	0.900
Spec cond (field)	81	81	1.000	558	558	1.000
Sulfate	169	169	1.000	824	849	0.971

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Chloride	169	169	1.000	4.086	0.744					2.326	lognor	lognor
Iron -diss	62	165	0.376	4.409	0.864					2.326	lognor	nonpar
Manganese -diss	52	167	0.311	3.679	2.277					2.326	lognor	nonpar
Spec cond (field)	81	81	1.000	4.528	2.049					2.326	lognor	lognor
Sulfate	169	169	1.000	3.847	3.005					2.326	non-norm	nonpar

* - Distribution override for that constituent.
Fit to distribution is confirmed if G <= critical value.
Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type	Conf
Chloride	mg/L	169	169	4.0318	0.8143	0.0100	2.3557	383.7610	lognor	
Iron -diss	mg/L	62	165					1.6000	nonpar	0.99
Manganese -diss	mg/L	52	167					0.8700	nonpar	0.99
Spec cond (field)	UMHOS	81	81	6.4475	0.3420	0.0100	2.3885	1428.5686	lognor	
Sulfate	mg/L	169	169					100.0000	nonpar	0.99

Conf = confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
* - Insufficient Data.
** - Calculated limit raised to Manual Reporting Limit.
*** - Nonparametric limit based on ND value.
For transformed data, mean and SD in transformed units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Iron -diss	mg/L	A-12S	05/15/1998	ND	0.0500		1.6000
Iron -diss	mg/L	A-12S	06/26/1998	ND	0.0500		1.6000
Iron -diss	mg/L	A-12S	09/16/1998		0.3900		1.6000
Iron -diss	mg/L	A-12S	12/15/1998	ND	0.0500		1.6000
Iron -diss	mg/L	A-12S	06/11/1999	ND	0.0500		1.6000
Iron -diss	mg/L	A-12S	03/17/2000		0.3300		1.6000
Iron -diss	mg/L	A-12S	06/09/2000		0.4000		1.6000
Iron -diss	mg/L	A-12S	09/13/2000		0.9900		1.6000
Iron -diss	mg/L	A-12S	12/11/2000		0.1800		1.6000
Iron -diss	mg/L	A-12S	03/13/2001		0.1700		1.6000
Iron -diss	mg/L	A-12S	06/28/2001		1.1000		1.6000
Iron -diss	mg/L	A-12S	09/19/2001		2.7000	*	1.6000
Iron -diss	mg/L	A-12S	12/12/2001		0.4900		1.6000
Iron -diss	mg/L	A-12S	03/07/2002		0.5400		1.6000
Iron -diss	mg/L	A-12S	06/06/2002	ND	0.1000		1.6000
Iron -diss	mg/L	A-12S	12/05/2002		0.6300		1.6000
Iron -diss	mg/L	A-12S	06/18/2003		1.6000		1.6000
Iron -diss	mg/L	A-12S	12/03/2003		1.3000		1.6000
Iron -diss	mg/L	A-12S	06/10/2004		4.9000	*	1.6000
Iron -diss	mg/L	A-12S	12/07/2004		2.4000	*	1.6000
Iron -diss	mg/L	A-12S	06/16/2005		15.8000	*	1.6000
Iron -diss	mg/L	A-12S	12/09/2005		3.2000	*	1.6000
Iron -diss	mg/L	A-12S	05/18/2006		21.1000	*	1.6000
Iron -diss	mg/L	A-12S	07/13/2006		30.8000	*	1.6000
Iron -diss	mg/L	A-12S	11/09/2006		32.3000	*	1.6000
Iron -diss	mg/L	A-12S	05/09/2007		47.6000	*	1.6000
Iron -diss	mg/L	A-12S	11/07/2007		21.6000	*	1.6000
Iron -diss	mg/L	A-12S	05/07/2008		24.9000	*	1.6000
Iron -diss	mg/L	A-12S	11/12/2008		24.7000	*	1.6000
Iron -diss	mg/L	A-12S	05/05/2009		19.1000	*	1.6000
Iron -diss	mg/L	A-12S	05/04/2010		47.7000	*	1.6000
Iron -diss	mg/L	A-12S	05/17/2011		16.0000	*	1.6000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Iron -diss	mg/L	A-12S	05/22/2012		31.0000	*	1.6000
Iron -diss	mg/L	A-12S	05/08/2013		27.0000	*	1.6000
Iron -diss	mg/L	A-12S	05/08/2014		28.0000	*	1.6000
Iron -diss	mg/L	A-12S	05/13/2015		19.0000	*	1.6000
Iron -diss	mg/L	A-12S	05/11/2016		21.0000	*	1.6000
Iron -diss	mg/L	A-12S	05/11/2017		83.5000	*	1.6000
Iron -diss	mg/L	A-12S	05/09/2018		45.1000	*	1.6000
Iron -diss	mg/L	A-12S	05/16/2019		31.3000	*	1.6000
Iron -diss	mg/L	A-12S	05/14/2020		64.3000	*	1.6000
Iron -diss	mg/L	A-12S	05/12/2021		35.2000	*	1.6000
Iron -diss	mg/L	A-12S	05/12/2022		38.3000	*	1.6000
Iron -diss	mg/L	A-12S	05/04/2023		14.4000	*	1.6000
Iron -diss	mg/L	A-12S	05/09/2024		17.5000	*	1.6000
Iron -diss	mg/L	A-13	06/26/1998	ND	0.0500		1.6000
Iron -diss	mg/L	A-13	09/16/1998		0.2000		1.6000
Iron -diss	mg/L	A-13	03/07/2002		0.6500		1.6000
Iron -diss	mg/L	A-13	06/06/2002		0.4600		1.6000
Iron -diss	mg/L	A-13	12/05/2002		2.2000	*	1.6000
Iron -diss	mg/L	A-13	06/19/2003		8.7000	*	1.6000
Iron -diss	mg/L	A-13	12/04/2003		2.2000	*	1.6000
Iron -diss	mg/L	A-13	06/11/2004		13.6000	*	1.6000
Iron -diss	mg/L	A-13	12/08/2004		1.7000	*	1.6000
Iron -diss	mg/L	A-13	06/17/2005		7.5000	*	1.6000
Iron -diss	mg/L	A-13	12/07/2005		0.5700		1.6000
Iron -diss	mg/L	A-13	05/17/2006		6.3000	*	1.6000
Iron -diss	mg/L	A-13	11/07/2006		7.1000	*	1.6000
Iron -diss	mg/L	A-13	05/08/2007		8.9000	*	1.6000
Iron -diss	mg/L	A-13	05/05/2008		12.8000	*	1.6000
Iron -diss	mg/L	A-13	05/06/2009		12.4000	*	1.6000
Iron -diss	mg/L	A-13	05/04/2010		14.5000	*	1.6000
Iron -diss	mg/L	A-13	05/18/2011		19.0000	*	1.6000
Iron -diss	mg/L	A-13	05/22/2012		16.0000	*	1.6000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Iron -diss	mg/L	A-13	05/08/2014		29.0000	*	1.6000
Iron -diss	mg/L	A-13	05/13/2015		32.0000	*	1.6000
Iron -diss	mg/L	A-13	05/11/2016		1.8000	*	1.6000
Iron -diss	mg/L	A-13	05/12/2017		3.0800	*	1.6000
Iron -diss	mg/L	A-13	05/10/2018		15.3000	*	1.6000
Iron -diss	mg/L	A-13	05/17/2019		41.6000	*	1.6000
Iron -diss	mg/L	A-13	05/14/2020		3.4000	*	1.6000
Iron -diss	mg/L	A-13	05/13/2021		1.2000		1.6000
Iron -diss	mg/L	A-13	05/13/2022		3.6000	*	1.6000
Iron -diss	mg/L	A-13	05/10/2024		28.3000	*	1.6000
Iron -diss	mg/L	P-2D	03/24/1998		3.8000	*	1.6000
Iron -diss	mg/L	P-2D	09/14/1998		2.8000	*	1.6000
Iron -diss	mg/L	P-2D	12/09/1998		3.6000	*	1.6000
Iron -diss	mg/L	P-2D	03/23/1999		1.7000	*	1.6000
Iron -diss	mg/L	P-2D	06/09/1999		3.5000	*	1.6000
Iron -diss	mg/L	P-2D	12/22/1999		2.4000	*	1.6000
Iron -diss	mg/L	P-2D	06/06/2000		3.3000	*	1.6000
Iron -diss	mg/L	P-2D	12/07/2000		3.2000	*	1.6000
Iron -diss	mg/L	P-2D	06/27/2001		1.8000	*	1.6000
Iron -diss	mg/L	P-2D	12/10/2001		2.6000	*	1.6000
Iron -diss	mg/L	P-2D	06/04/2002		2.2000	*	1.6000
Iron -diss	mg/L	P-2D	12/03/2002		2.8000	*	1.6000
Iron -diss	mg/L	P-2D	06/17/2003		2.3000	*	1.6000
Iron -diss	mg/L	P-2D	12/03/2003		2.5000	*	1.6000
Iron -diss	mg/L	P-2D	06/08/2004		2.2000	*	1.6000
Iron -diss	mg/L	P-2D	12/06/2004		2.5000	*	1.6000
Iron -diss	mg/L	P-2D	06/15/2005		1.9000	*	1.6000
Iron -diss	mg/L	P-2D	12/06/2005		2.2000	*	1.6000
Iron -diss	mg/L	P-2D	05/16/2006		1.9000	*	1.6000
Iron -diss	mg/L	P-2D	11/07/2006		2.0000	*	1.6000
Iron -diss	mg/L	P-2D	05/08/2007		2.3000	*	1.6000
Iron -diss	mg/L	P-2D	11/06/2007		1.0000		1.6000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Iron -diss	mg/L	P-2D	05/06/2008		2.1000	*	1.6000
Iron -diss	mg/L	P-2D	11/11/2008		1.7000	*	1.6000
Iron -diss	mg/L	P-2D	05/04/2010		1.9000	*	1.6000
Iron -diss	mg/L	P-2D	05/16/2011		2.2000	*	1.6000
Iron -diss	mg/L	P-2D	05/21/2012		2.3000	*	1.6000
Iron -diss	mg/L	P-2D	05/07/2013		2.0000	*	1.6000
Iron -diss	mg/L	P-2D	05/07/2014		1.9000	*	1.6000
Iron -diss	mg/L	P-2D	05/11/2015		1.8000	*	1.6000
Iron -diss	mg/L	P-2D	05/10/2016		2.0000	*	1.6000
Iron -diss	mg/L	P-2D	05/10/2017		2.0800	*	1.6000
Iron -diss	mg/L	P-2D	05/08/2018		2.1900	*	1.6000
Iron -diss	mg/L	P-2D	05/16/2019		1.8900	*	1.6000
Iron -diss	mg/L	P-2D	05/13/2020		1.9000	*	1.6000
Iron -diss	mg/L	P-2D	05/11/2021		1.9000	*	1.6000
Iron -diss	mg/L	P-2D	05/11/2022		0.7200		1.6000
Iron -diss	mg/L	P-2D	05/03/2023		1.8000	*	1.6000
Iron -diss	mg/L	P-2D	05/08/2024		1.8000	*	1.6000
Iron -diss	mg/L	UMW-6D	09/15/1992		3.7000	*	1.6000
Iron -diss	mg/L	UMW-6D	12/08/1992		6.2000	*	1.6000
Iron -diss	mg/L	UMW-6D	03/19/1993		5.5000	*	1.6000
Iron -diss	mg/L	UMW-6D	06/18/1993		6.4000	*	1.6000
Iron -diss	mg/L	UMW-6D	09/13/1993		6.5000	*	1.6000
Iron -diss	mg/L	UMW-6D	12/08/1993		5.8000	*	1.6000
Iron -diss	mg/L	UMW-6D	03/17/1994		5.7000	*	1.6000
Iron -diss	mg/L	UMW-6D	06/17/1994		5.0000	*	1.6000
Iron -diss	mg/L	UMW-6D	09/26/1994		0.1000		1.6000
Iron -diss	mg/L	UMW-6D	12/22/1994		1.0000		1.6000
Iron -diss	mg/L	UMW-6D	03/21/1995		2.0000	*	1.6000
Iron -diss	mg/L	UMW-6D	09/27/1995		4.7000	*	1.6000
Iron -diss	mg/L	UMW-6D	12/07/1995		2.8000	*	1.6000
Iron -diss	mg/L	UMW-6D	12/23/1996		1.3000		1.6000
Iron -diss	mg/L	UMW-6D	06/05/1997		4.2000	*	1.6000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Iron -diss	mg/L	UMW-6D	09/17/1997		0.7900		1.6000
Iron -diss	mg/L	UMW-6D	12/15/1997		4.7000	*	1.6000
Iron -diss	mg/L	UMW-6D	03/24/1998		2.9000	*	1.6000
Iron -diss	mg/L	UMW-6D	06/16/1998		5.6000	*	1.6000
Iron -diss	mg/L	UMW-6D	09/14/1998		5.2000	*	1.6000
Iron -diss	mg/L	UMW-6D	03/23/1999		4.7000	*	1.6000
Iron -diss	mg/L	UMW-6D	06/08/1999		4.1000	*	1.6000
Iron -diss	mg/L	UMW-6D	09/17/1999		5.9000	*	1.6000
Iron -diss	mg/L	UMW-6D	03/14/2000		6.1000	*	1.6000
Iron -diss	mg/L	UMW-6D	06/06/2000		5.6000	*	1.6000
Iron -diss	mg/L	UMW-6D	03/13/2001		5.9000	*	1.6000
Iron -diss	mg/L	UMW-6D	06/26/2001		5.6000	*	1.6000
Iron -diss	mg/L	UMW-6D	09/19/2001		7.0000	*	1.6000
Iron -diss	mg/L	UMW-6D	12/10/2001		6.9000	*	1.6000
Iron -diss	mg/L	UMW-6D	03/05/2002		6.5000	*	1.6000
Iron -diss	mg/L	UMW-6D	06/04/2002		1.7000	*	1.6000
Iron -diss	mg/L	UMW-6D	06/17/2003		7.4000	*	1.6000
Iron -diss	mg/L	UMW-6D	12/03/2003		6.6000	*	1.6000
Iron -diss	mg/L	UMW-6D	06/08/2004		7.6000	*	1.6000
Iron -diss	mg/L	UMW-6D	12/08/2004		6.9000	*	1.6000
Iron -diss	mg/L	UMW-6D	06/15/2005		8.4000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/16/2006		7.8000	*	1.6000
Iron -diss	mg/L	UMW-6D	11/07/2006		7.9000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/08/2007		8.5000	*	1.6000
Iron -diss	mg/L	UMW-6D	11/06/2007		6.5000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/05/2008		6.0000	*	1.6000
Iron -diss	mg/L	UMW-6D	11/11/2008		5.9000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/05/2009		1.1000		1.6000
Iron -diss	mg/L	UMW-6D	05/04/2010		5.5000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/16/2011		5.0000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/21/2012		5.1000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/06/2013		4.4000	*	1.6000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
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ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Iron -diss	mg/L	UMW-6D	05/07/2014		4.8000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/12/2015		5.1000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/10/2016		5.9000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/10/2017		4.2900	*	1.6000
Iron -diss	mg/L	UMW-6D	05/07/2018		2.3200	*	1.6000
Iron -diss	mg/L	UMW-6D	05/15/2019		6.4800	*	1.6000
Iron -diss	mg/L	UMW-6D	05/12/2020		4.3000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/12/2021		2.1000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/11/2022		3.6000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/03/2023		3.4000	*	1.6000
Iron -diss	mg/L	UMW-6D	05/08/2024		3.6000	*	1.6000
Iron -diss	mg/L	UMW-8R	06/10/1998		14.0000	*	1.6000
Iron -diss	mg/L	UMW-8R	09/15/1998		0.5400		1.6000
Iron -diss	mg/L	UMW-8R	12/10/1998		1.6000		1.6000
Iron -diss	mg/L	UMW-8R	03/22/1999		4.2000	*	1.6000
Iron -diss	mg/L	UMW-8R	06/08/1999		2.5000	*	1.6000
Iron -diss	mg/L	UMW-8R	09/21/1999		0.7400		1.6000
Iron -diss	mg/L	UMW-8R	12/27/1999		0.5900		1.6000
Iron -diss	mg/L	UMW-8R	03/14/2000		2.6000	*	1.6000
Iron -diss	mg/L	UMW-8R	06/07/2000		2.3000	*	1.6000
Iron -diss	mg/L	UMW-8R	09/13/2000		1.9000	*	1.6000
Iron -diss	mg/L	UMW-8R	12/07/2000		3.3000	*	1.6000
Iron -diss	mg/L	UMW-8R	03/14/2001		15.6000	*	1.6000
Iron -diss	mg/L	UMW-8R	06/25/2001		10.4000	*	1.6000
Iron -diss	mg/L	UMW-8R	09/18/2001		6.2000	*	1.6000
Iron -diss	mg/L	UMW-8R	12/11/2001		11.7000	*	1.6000
Iron -diss	mg/L	UMW-8R	03/05/2002		20.5000	*	1.6000
Iron -diss	mg/L	UMW-8R	06/04/2002		7.4000	*	1.6000
Iron -diss	mg/L	UMW-8R	12/03/2002		0.9400		1.6000
Iron -diss	mg/L	UMW-8R	06/17/2003		0.8300		1.6000
Iron -diss	mg/L	UMW-8R	12/02/2003		0.9600		1.6000
Iron -diss	mg/L	UMW-8R	06/08/2004	ND	0.1000		1.6000

* - Significantly increased over background.
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ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Iron -diss	mg/L	UMW-8R	12/06/2004		4.2000	*	1.6000
Iron -diss	mg/L	UMW-8R	06/15/2005		3.2000	*	1.6000
Iron -diss	mg/L	UMW-8R	12/07/2005		3.3000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/16/2006		3.9000	*	1.6000
Iron -diss	mg/L	UMW-8R	11/08/2006		2.7000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/08/2007		2.6000	*	1.6000
Iron -diss	mg/L	UMW-8R	11/06/2007		3.8000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/06/2008		2.7000	*	1.6000
Iron -diss	mg/L	UMW-8R	11/11/2008		4.2000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/05/2010		3.6000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/16/2011		2.8000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/21/2012		3.6000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/07/2013		11.0000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/07/2014		26.0000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/13/2015		19.0000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/10/2016		17.0000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/10/2017		11.5000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/09/2018		8.4400	*	1.6000
Iron -diss	mg/L	UMW-8R	05/16/2019		7.7800	*	1.6000
Iron -diss	mg/L	UMW-8R	05/13/2020		13.4000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/11/2021		13.7000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/12/2022		26.0000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/03/2023		18.4000	*	1.6000
Iron -diss	mg/L	UMW-8R	05/08/2024		24.7000	*	1.6000
Manganese -diss	mg/L	A-12S	06/26/1998		1.2000	*	0.8700
Manganese -diss	mg/L	A-12S	09/16/1998		2.8000	*	0.8700
Manganese -diss	mg/L	A-12S	12/15/1998		2.7000	*	0.8700
Manganese -diss	mg/L	A-12S	06/11/1999		1.7000	*	0.8700
Manganese -diss	mg/L	A-12S	03/17/2000		1.9000	*	0.8700
Manganese -diss	mg/L	A-12S	06/09/2000		2.5000	*	0.8700
Manganese -diss	mg/L	A-12S	09/13/2000		3.1000	*	0.8700
Manganese -diss	mg/L	A-12S	12/11/2000		2.3000	*	0.8700

* - Significantly increased over background.
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ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Manganese -diss	mg/L	A-12S	03/13/2001		2.1000	*	0.8700
Manganese -diss	mg/L	A-12S	06/28/2001		4.3000	*	0.8700
Manganese -diss	mg/L	A-12S	09/19/2001		4.7000	*	0.8700
Manganese -diss	mg/L	A-12S	12/12/2001		3.9000	*	0.8700
Manganese -diss	mg/L	A-12S	03/07/2002		3.0000	*	0.8700
Manganese -diss	mg/L	A-12S	06/06/2002		1.7000	*	0.8700
Manganese -diss	mg/L	A-12S	12/05/2002		2.7000	*	0.8700
Manganese -diss	mg/L	A-12S	06/18/2003		2.0000	*	0.8700
Manganese -diss	mg/L	A-12S	12/03/2003		2.4000	*	0.8700
Manganese -diss	mg/L	A-12S	06/10/2004		4.0000	*	0.8700
Manganese -diss	mg/L	A-12S	12/07/2004		2.6000	*	0.8700
Manganese -diss	mg/L	A-12S	06/16/2005		4.1000	*	0.8700
Manganese -diss	mg/L	A-12S	12/09/2005		2.9000	*	0.8700
Manganese -diss	mg/L	A-12S	05/18/2006		4.7000	*	0.8700
Manganese -diss	mg/L	A-12S	11/09/2006		5.5000	*	0.8700
Manganese -diss	mg/L	A-12S	05/09/2007		6.4000	*	0.8700
Manganese -diss	mg/L	A-12S	11/07/2007		4.3000	*	0.8700
Manganese -diss	mg/L	A-12S	05/07/2008		4.6000	*	0.8700
Manganese -diss	mg/L	A-12S	11/12/2008		3.9000	*	0.8700
Manganese -diss	mg/L	A-12S	05/05/2009		4.7000	*	0.8700
Manganese -diss	mg/L	A-12S	05/04/2010		5.4000	*	0.8700
Manganese -diss	mg/L	A-12S	05/17/2011		4.7000	*	0.8700
Manganese -diss	mg/L	A-12S	05/22/2012		5.0000	*	0.8700
Manganese -diss	mg/L	A-12S	05/08/2013		3.9000	*	0.8700
Manganese -diss	mg/L	A-12S	05/08/2014		4.1000	*	0.8700
Manganese -diss	mg/L	A-12S	05/13/2015		3.7000	*	0.8700
Manganese -diss	mg/L	A-12S	05/11/2016		3.7000	*	0.8700
Manganese -diss	mg/L	A-12S	05/11/2017		6.6400	*	0.8700
Manganese -diss	mg/L	A-12S	05/09/2018		4.6200	*	0.8700
Manganese -diss	mg/L	A-12S	05/16/2019		4.3800	*	0.8700
Manganese -diss	mg/L	A-12S	05/14/2020		5.3000	*	0.8700
Manganese -diss	mg/L	A-12S	05/12/2021		3.6000	*	0.8700

* - Significantly increased over background.
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ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Manganese -diss	mg/L	A-12S	05/12/2022		3.9000	*	0.8700
Manganese -diss	mg/L	A-12S	05/04/2023		3.4000	*	0.8700
Manganese -diss	mg/L	A-12S	05/09/2024		3.0000	*	0.8700
Manganese -diss	mg/L	A-13	06/26/1998		1.3000	*	0.8700
Manganese -diss	mg/L	A-13	09/16/1998		0.8600		0.8700
Manganese -diss	mg/L	A-13	03/07/2002		3.8000	*	0.8700
Manganese -diss	mg/L	A-13	06/06/2002		3.1000	*	0.8700
Manganese -diss	mg/L	A-13	12/05/2002		3.8000	*	0.8700
Manganese -diss	mg/L	A-13	06/19/2003		4.1000	*	0.8700
Manganese -diss	mg/L	A-13	12/04/2003		4.2000	*	0.8700
Manganese -diss	mg/L	A-13	06/11/2004		3.9000	*	0.8700
Manganese -diss	mg/L	A-13	12/08/2004		3.6000	*	0.8700
Manganese -diss	mg/L	A-13	06/17/2005		3.4000	*	0.8700
Manganese -diss	mg/L	A-13	12/07/2005		4.0000	*	0.8700
Manganese -diss	mg/L	A-13	05/17/2006		4.1000	*	0.8700
Manganese -diss	mg/L	A-13	11/07/2006		5.4000	*	0.8700
Manganese -diss	mg/L	A-13	05/08/2007		7.3000	*	0.8700
Manganese -diss	mg/L	A-13	05/05/2008		9.1000	*	0.8700
Manganese -diss	mg/L	A-13	05/06/2009		7.7000	*	0.8700
Manganese -diss	mg/L	A-13	05/04/2010		13.6000	*	0.8700
Manganese -diss	mg/L	A-13	05/18/2011		8.9000	*	0.8700
Manganese -diss	mg/L	A-13	05/22/2012		15.0000	*	0.8700
Manganese -diss	mg/L	A-13	05/08/2014		14.0000	*	0.8700
Manganese -diss	mg/L	A-13	05/13/2015		13.0000	*	0.8700
Manganese -diss	mg/L	A-13	05/11/2016		1.6000	*	0.8700
Manganese -diss	mg/L	A-13	05/12/2017		1.0600	*	0.8700
Manganese -diss	mg/L	A-13	05/10/2018		7.9500	*	0.8700
Manganese -diss	mg/L	A-13	05/17/2019		14.7000	*	0.8700
Manganese -diss	mg/L	A-13	05/14/2020		3.6000	*	0.8700
Manganese -diss	mg/L	A-13	05/13/2021		0.3300		0.8700
Manganese -diss	mg/L	A-13	05/13/2022		4.3000	*	0.8700
Manganese -diss	mg/L	A-13	05/10/2024		1.5000	*	0.8700

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Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Manganese -diss	mg/L	UMW-5SR	09/15/1992		8.1000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/02/1992		7.4000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	03/19/1993		7.2000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	06/22/1993		8.4000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	09/17/1993		7.8000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/08/1993		8.2000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	03/17/1994		8.4000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	06/17/1994		7.9000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	09/26/1994		6.4000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/22/1994		6.9000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	03/20/1995		1.2000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	03/21/1995		6.8000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	09/26/1995		6.1000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/07/1995		5.8000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/20/1996		5.2000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	06/06/1997		5.0000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	09/16/1997		4.4000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/12/1997		5.2000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	03/23/1998		5.6000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	06/12/1998		5.6000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	09/11/1998		5.0000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/09/1998		4.8000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	06/08/1999		5.6000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/15/1999		4.6000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	06/06/2000		4.4000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/05/2000		4.9000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	06/26/2001		4.7000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/10/2001		5.2000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	06/04/2002		5.6000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/04/2002		4.1000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	06/17/2003		5.2000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/02/2003		5.5000	*	0.8700

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ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Manganese -diss	mg/L	UMW-5SR	06/08/2004		4.9000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/08/2004		5.0000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	06/14/2005		5.1000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	12/06/2005		4.8000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/15/2006		5.9000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	11/07/2006		5.3000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/07/2007		6.1000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	11/06/2007		5.2000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/05/2008		5.5000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	11/10/2008		5.3000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/05/2009		5.1000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/04/2010		5.8000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/16/2011		5.0000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/21/2012		4.7000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/06/2013		4.3000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/06/2014		5.2000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/12/2015		5.4000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/10/2016		5.3000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/09/2017		6.6800	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/08/2018		6.4500	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/15/2019		7.3300	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/12/2020		6.6000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/11/2021		6.6000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/11/2022		6.8000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/03/2023		5.9000	*	0.8700
Manganese -diss	mg/L	UMW-5SR	05/08/2024		5.0000	*	0.8700
Manganese -diss	mg/L	UMW-8R	06/10/1998		15.1000	*	0.8700
Manganese -diss	mg/L	UMW-8R	09/15/1998		16.9000	*	0.8700
Manganese -diss	mg/L	UMW-8R	12/10/1998		16.0000	*	0.8700
Manganese -diss	mg/L	UMW-8R	03/22/1999		15.8000	*	0.8700
Manganese -diss	mg/L	UMW-8R	06/08/1999		17.9000	*	0.8700
Manganese -diss	mg/L	UMW-8R	09/21/1999		16.8000	*	0.8700

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Manganese -diss	mg/L	UMW-8R	12/27/1999		16.8000	*	0.8700
Manganese -diss	mg/L	UMW-8R	03/14/2000		21.0000	*	0.8700
Manganese -diss	mg/L	UMW-8R	06/07/2000		18.7000	*	0.8700
Manganese -diss	mg/L	UMW-8R	09/13/2000		19.5000	*	0.8700
Manganese -diss	mg/L	UMW-8R	12/07/2000		20.7000	*	0.8700
Manganese -diss	mg/L	UMW-8R	03/14/2001		30.3000	*	0.8700
Manganese -diss	mg/L	UMW-8R	06/25/2001		25.7000	*	0.8700
Manganese -diss	mg/L	UMW-8R	09/18/2001		23.9000	*	0.8700
Manganese -diss	mg/L	UMW-8R	12/11/2001		23.1000	*	0.8700
Manganese -diss	mg/L	UMW-8R	03/05/2002		33.0000	*	0.8700
Manganese -diss	mg/L	UMW-8R	06/04/2002		21.4000	*	0.8700
Manganese -diss	mg/L	UMW-8R	12/03/2002		0.0650		0.8700
Manganese -diss	mg/L	UMW-8R	06/17/2003		0.0640		0.8700
Manganese -diss	mg/L	UMW-8R	12/02/2003		0.0870		0.8700
Manganese -diss	mg/L	UMW-8R	06/08/2004		0.0940		0.8700
Manganese -diss	mg/L	UMW-8R	12/06/2004		14.8000	*	0.8700
Manganese -diss	mg/L	UMW-8R	06/15/2005		13.2000	*	0.8700
Manganese -diss	mg/L	UMW-8R	12/07/2005		15.8000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/16/2006		13.4000	*	0.8700
Manganese -diss	mg/L	UMW-8R	11/08/2006		11.8000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/08/2007		10.3000	*	0.8700
Manganese -diss	mg/L	UMW-8R	11/06/2007		17.3000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/06/2008		11.2000	*	0.8700
Manganese -diss	mg/L	UMW-8R	11/11/2008		14.4000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/05/2010		10.6000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/16/2011		10.0000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/21/2012		13.0000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/07/2013		20.0000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/07/2014		30.0000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/13/2015		27.0000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/10/2016		29.0000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/10/2017		27.3000	*	0.8700

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Manganese -diss	mg/L	UMW-8R	05/09/2018		22.9000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/16/2019		25.2000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/13/2020		28.0000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/11/2021		25.5000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/12/2022		30.4000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/03/2023		30.4000	*	0.8700
Manganese -diss	mg/L	UMW-8R	05/08/2024		38.6000	*	0.8700
Spec cond (field)	UMHOS	UMW-5SR	06/08/1999		1086.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	12/10/2001		1048.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	06/04/2002		1261.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	12/04/2002		960.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	06/17/2003		1150.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	12/02/2003		948.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	06/08/2004		890.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	12/08/2004		647.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	06/14/2005		532.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	12/06/2005		975.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/15/2006		1001.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	11/07/2006		922.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/07/2007		1093.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	11/06/2007		921.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/05/2008		940.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	11/10/2008		1166.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/05/2009		1067.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/04/2010		1213.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/16/2011		1114.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/21/2012		1218.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/06/2013		1060.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/06/2014		721.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/12/2015		1159.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/10/2016		961.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/09/2017		1806.0000	*	1428.5686

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Spec cond (field)	UMHOS	UMW-5SR	05/08/2018		1750.0000	*	1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/15/2019		1668.0000	*	1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/12/2020		1734.0000	*	1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/11/2021		1996.0000	*	1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/11/2022		1752.0000	*	1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/03/2023		740.0000		1428.5686
Spec cond (field)	UMHOS	UMW-5SR	05/08/2024		1673.0000	*	1428.5686
Sulfate	mg/L	A-13	06/26/1998		28.0000		100.0000
Sulfate	mg/L	A-13	03/07/2002		33.8000		100.0000
Sulfate	mg/L	A-13	06/06/2002		36.0000		100.0000
Sulfate	mg/L	A-13	06/19/2003		58.0000		100.0000
Sulfate	mg/L	A-13	12/04/2003		54.7000		100.0000
Sulfate	mg/L	A-13	06/11/2004		52.7000		100.0000
Sulfate	mg/L	A-13	12/08/2004		69.0000		100.0000
Sulfate	mg/L	A-13	06/17/2005		42.7000		100.0000
Sulfate	mg/L	A-13	05/17/2006		54.2000		100.0000
Sulfate	mg/L	A-13	11/07/2006		67.6000		100.0000
Sulfate	mg/L	A-13	05/08/2007		85.2000		100.0000
Sulfate	mg/L	A-13	05/05/2008		67.4000		100.0000
Sulfate	mg/L	A-13	05/06/2009		109.0000	*	100.0000
Sulfate	mg/L	A-13	05/04/2010		113.0000	*	100.0000
Sulfate	mg/L	A-13	05/18/2011		75.0000		100.0000
Sulfate	mg/L	A-13	05/22/2012		170.0000	*	100.0000
Sulfate	mg/L	A-13	05/08/2014		51.0000		100.0000
Sulfate	mg/L	A-13	05/13/2015		370.0000	*	100.0000
Sulfate	mg/L	A-13	05/11/2016		13.0000		100.0000
Sulfate	mg/L	A-13	05/12/2017		474.0000	*	100.0000
Sulfate	mg/L	A-13	05/10/2018		154.0000	*	100.0000
Sulfate	mg/L	A-13	05/17/2019		66.5000		100.0000
Sulfate	mg/L	A-13	05/14/2020		268.0000	*	100.0000
Sulfate	mg/L	A-13	05/13/2021		257.0000	*	100.0000
Sulfate	mg/L	A-13	05/13/2022		221.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

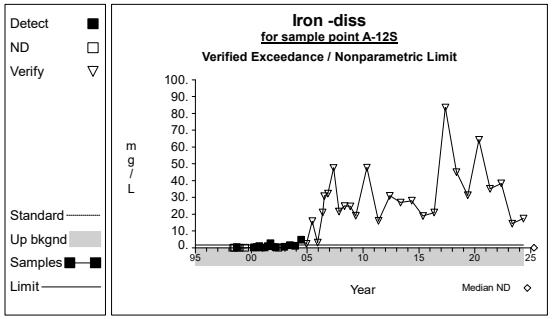
Table 8

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

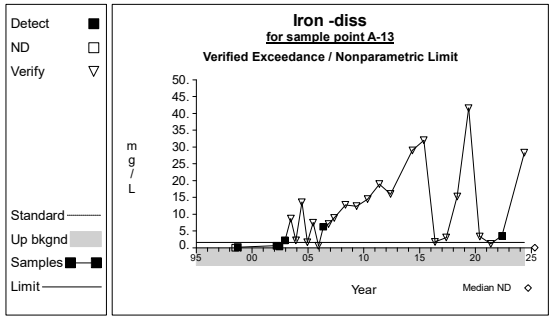
Constituent	Units	Well	Date		Result		Pred. Limit
Sulfate	mg/L	A-13	05/10/2024		316.0000	*	100.0000

* - Significantly increased over background.
** - Detect at limit for 100% NDs in background (NPPL only).
*** - Manual exclusion.
ND = Not Detected, Result = detection limit.

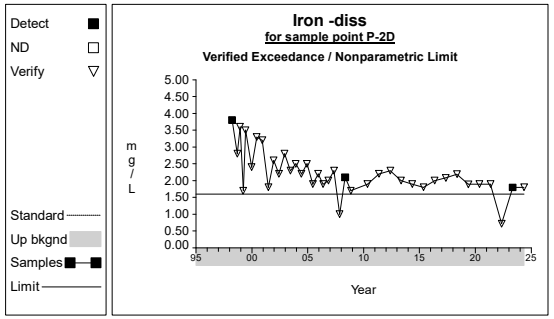
Up vs. Down Prediction Limits



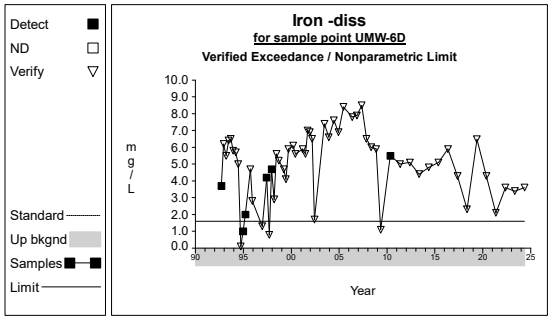
Graph 19



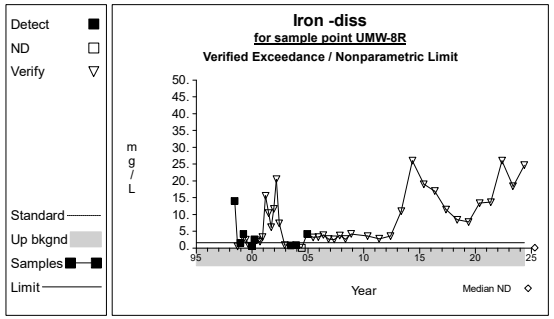
Graph 20



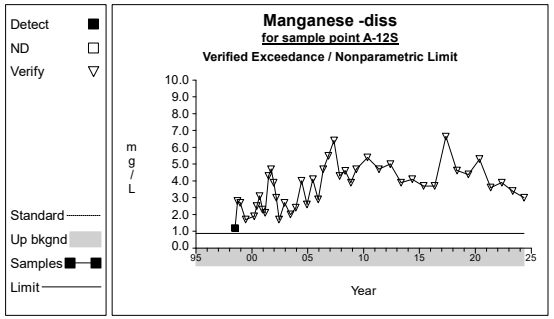
Graph 26



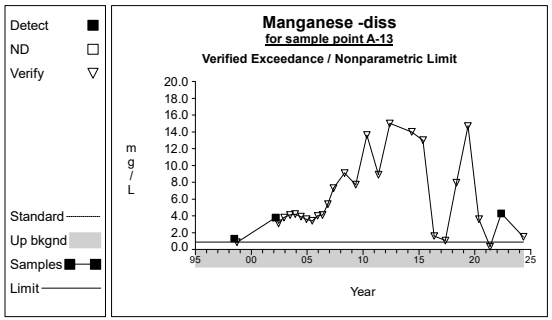
Graph 31



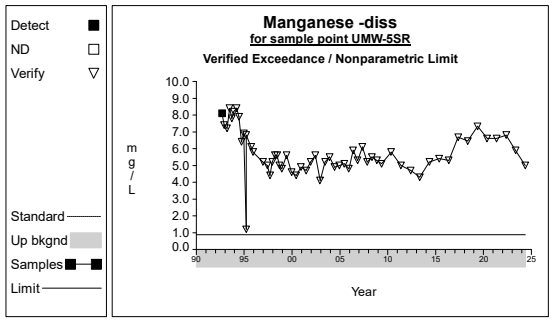
Graph 34



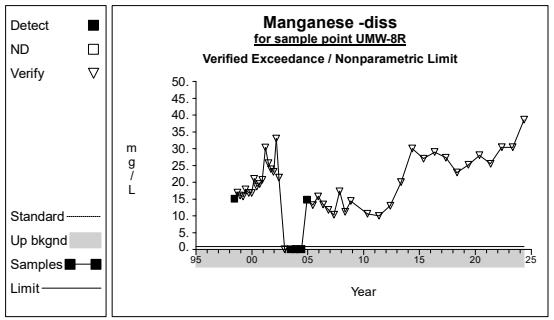
Graph 36



Graph 37

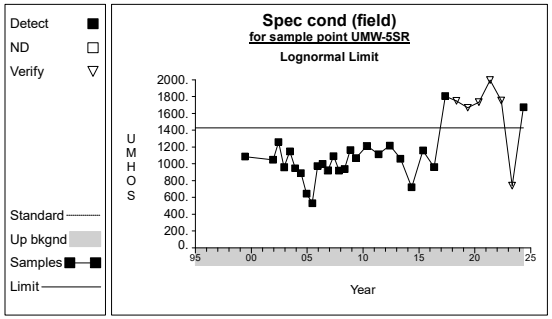


Graph 47

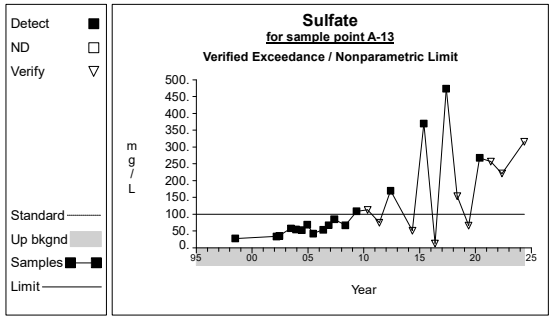


Graph 51

Up vs. Down Prediction Limits



Graph 64

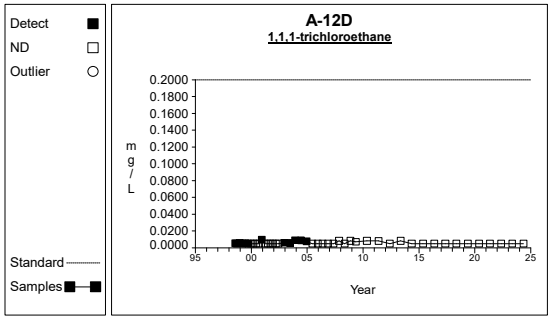


Graph 71

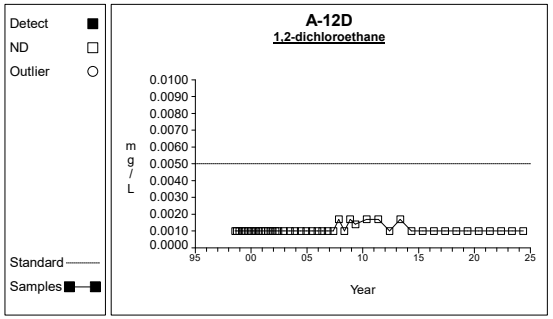
APPENDIX 5

DUMPSTAT TIME SERIES PLOTS

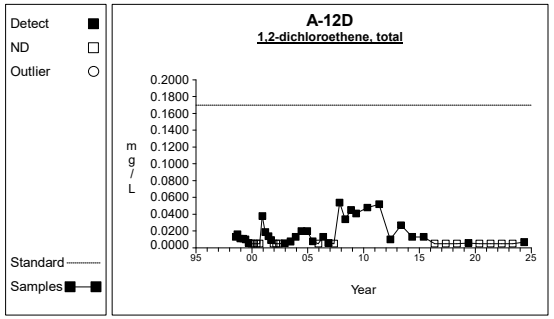
Time Series



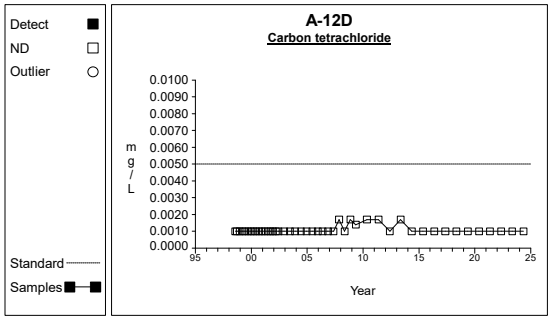
Graph 1



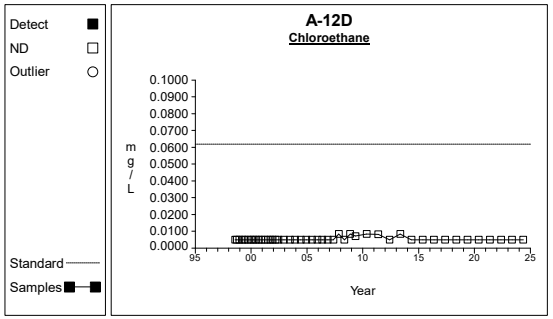
Graph 2



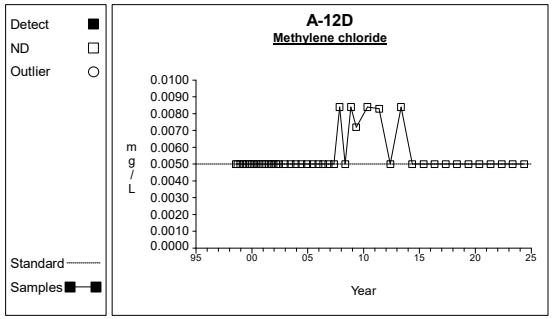
Graph 3



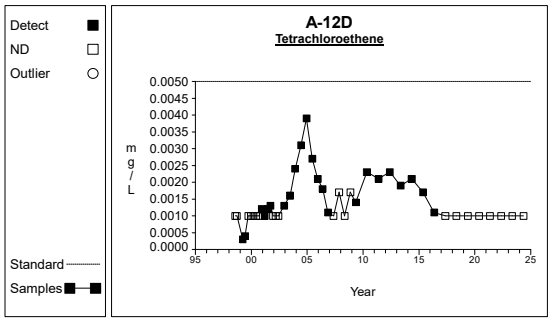
Graph 4



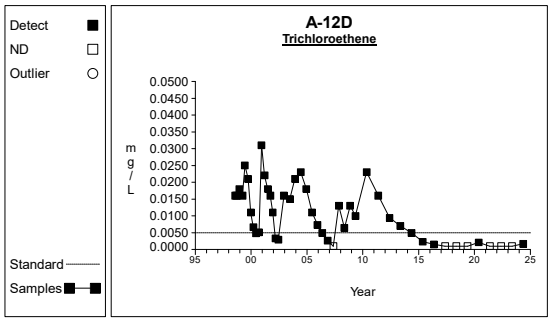
Graph 5



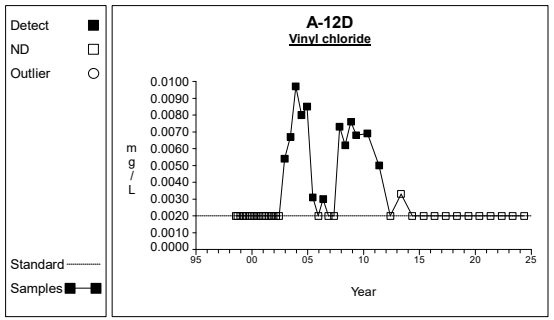
Graph 6



Graph 7



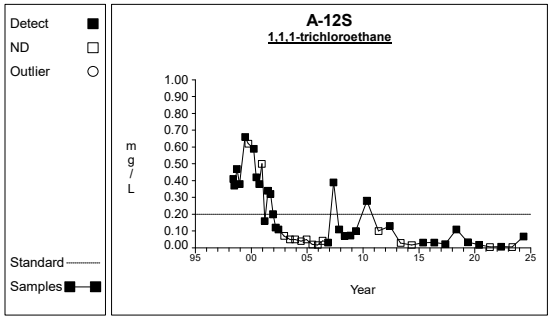
Graph 8



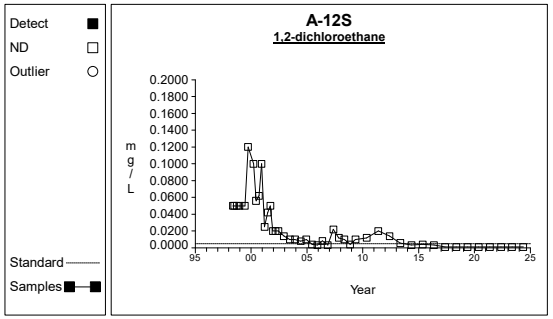
Graph 9

Prepared by: SESCO Group

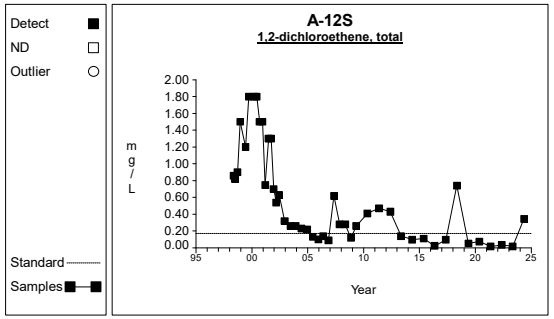
Time Series



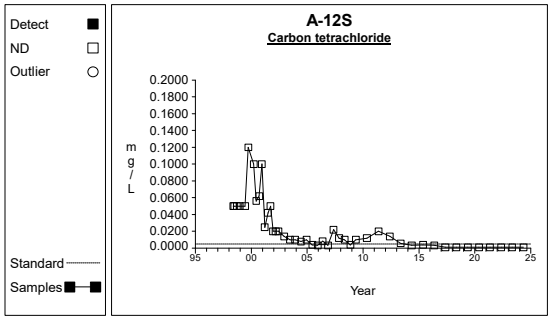
Graph 10



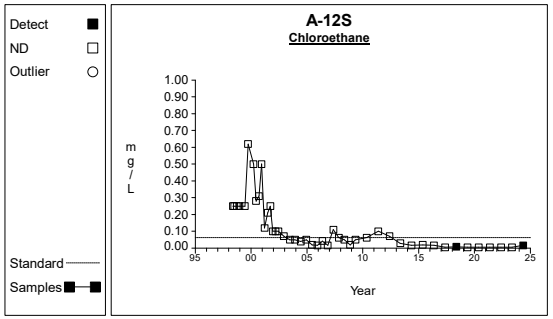
Graph 11



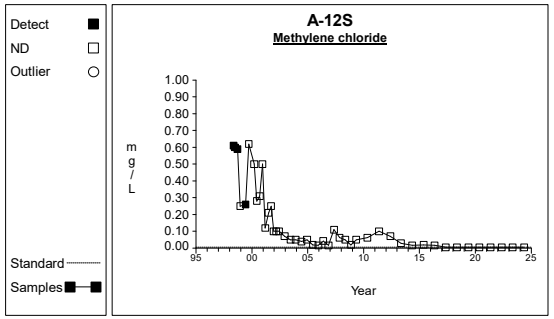
Graph 12



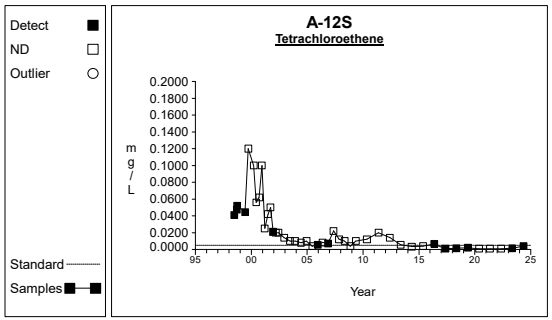
Graph 13



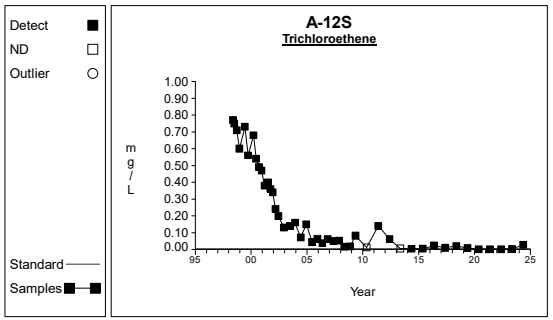
Graph 14



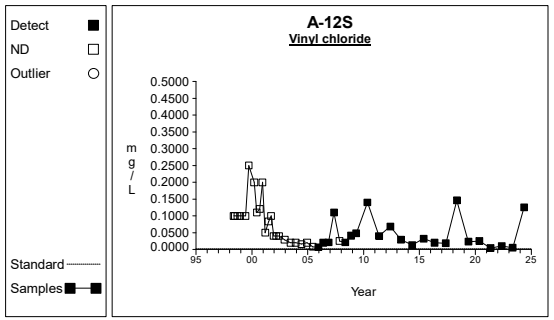
Graph 15



Graph 16



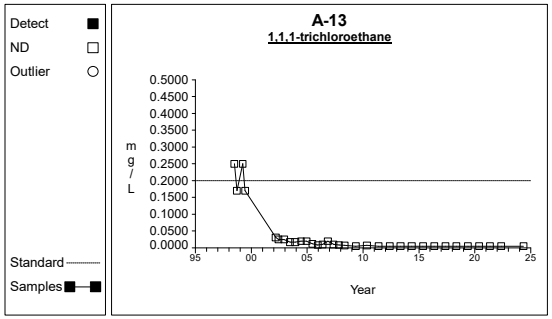
Graph 17



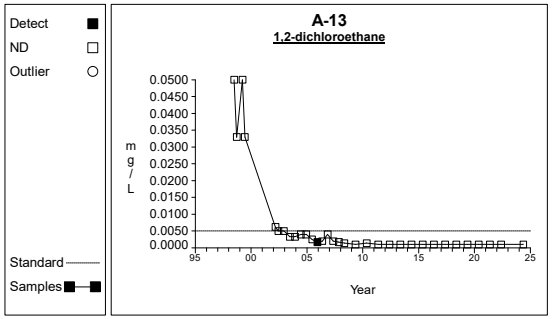
Graph 18

Prepared by: SESCO Group

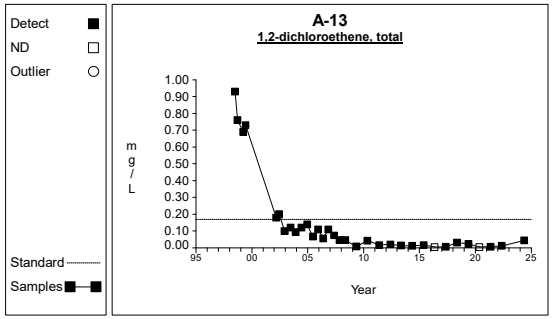
Time Series



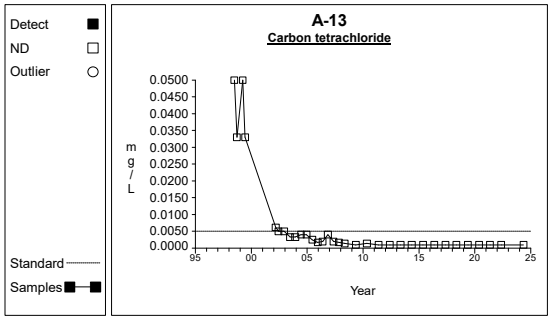
Graph 19



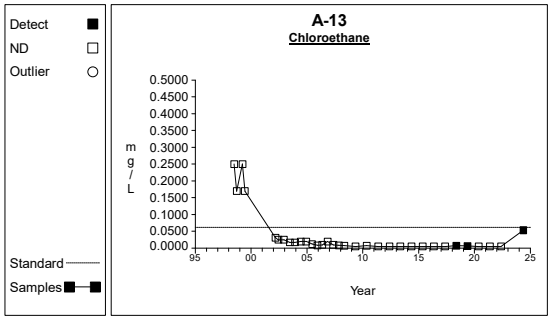
Graph 20



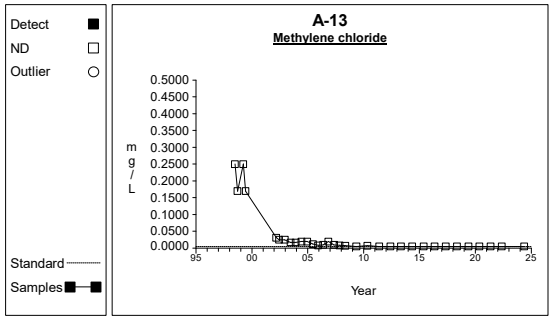
Graph 21



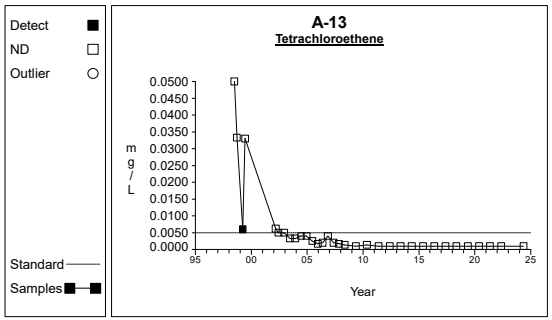
Graph 22



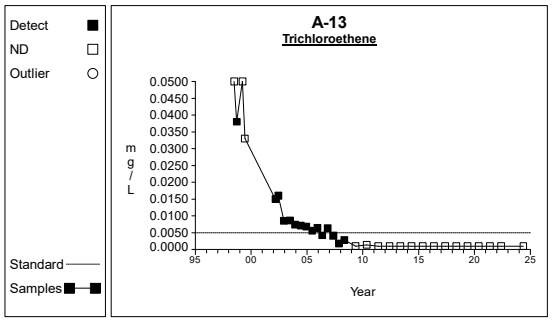
Graph 23



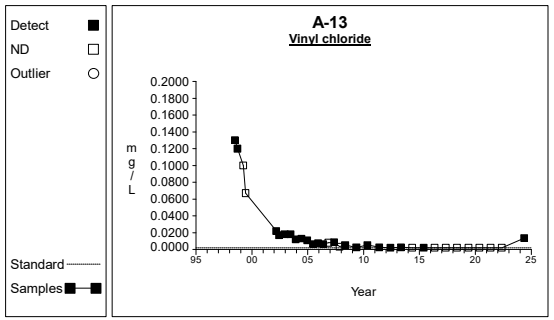
Graph 24



Graph 25

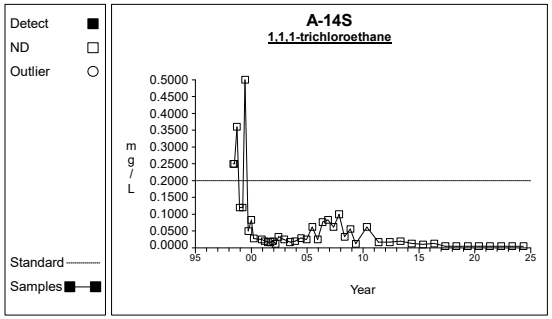


Graph 26

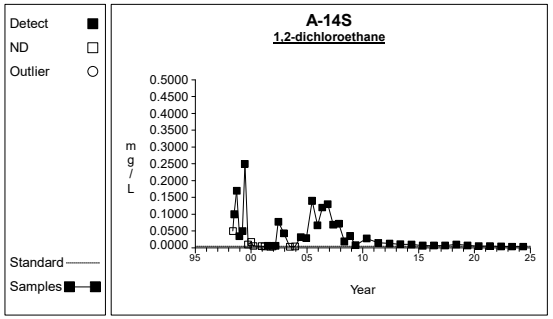


Graph 27

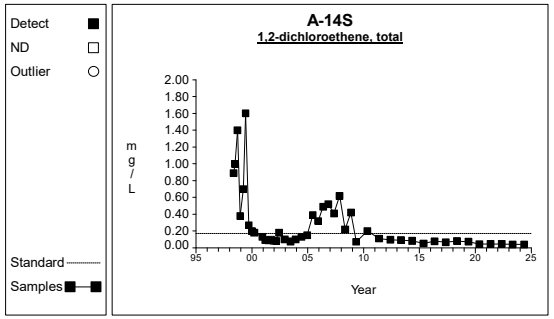
Time Series



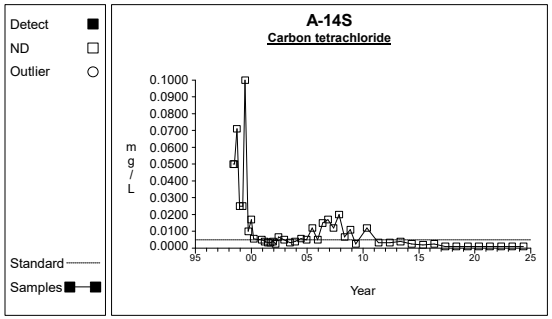
Graph 28



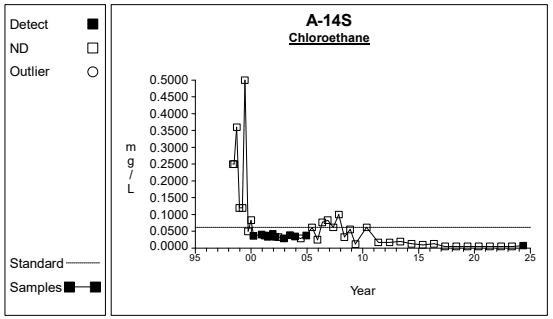
Graph 29



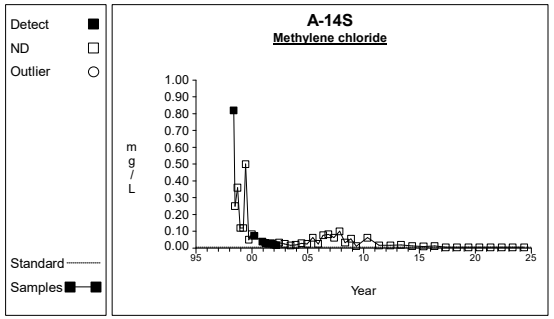
Graph 30



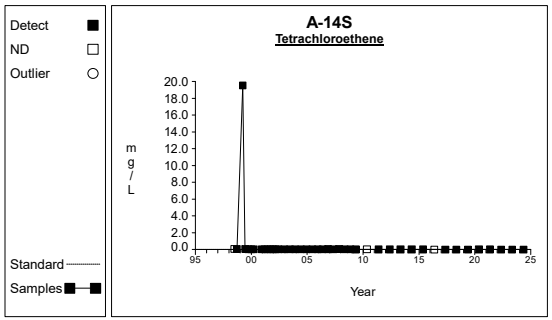
Graph 31



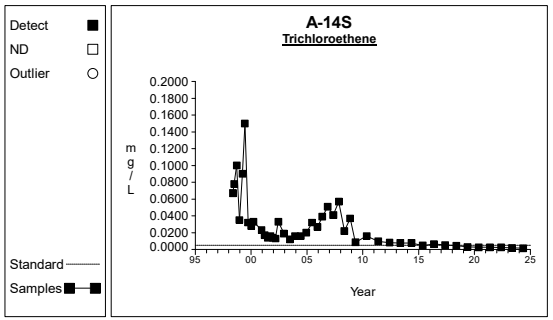
Graph 32



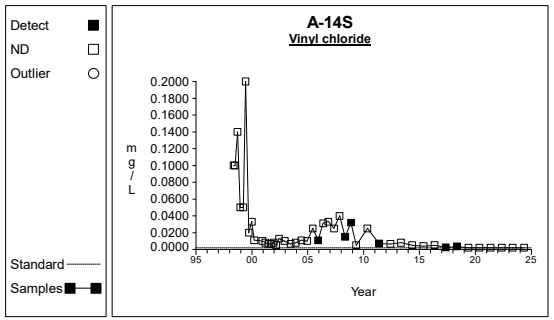
Graph 33



Graph 34



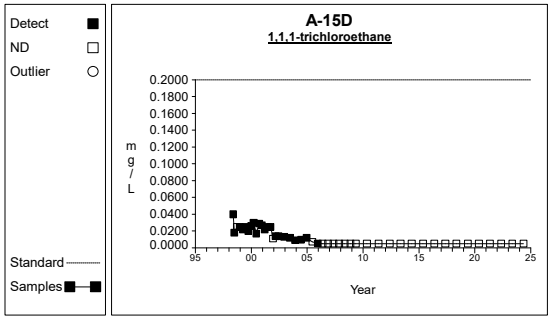
Graph 35



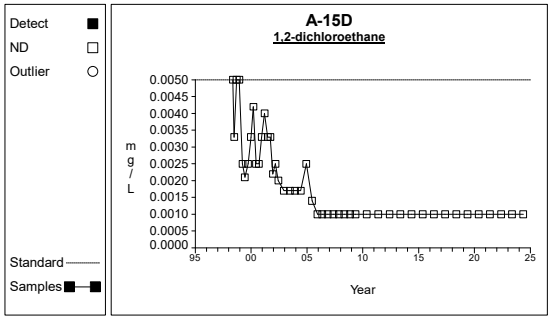
Graph 36

Prepared by: SESCO Group

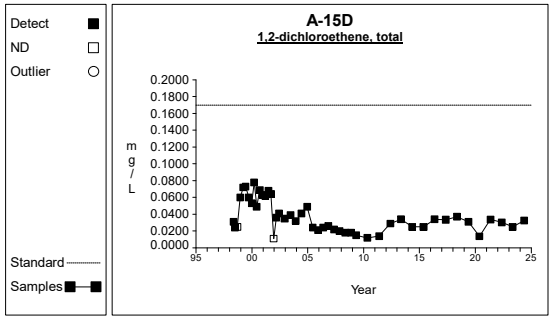
Time Series



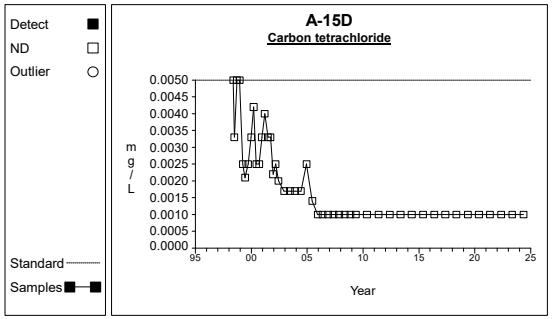
Graph 37



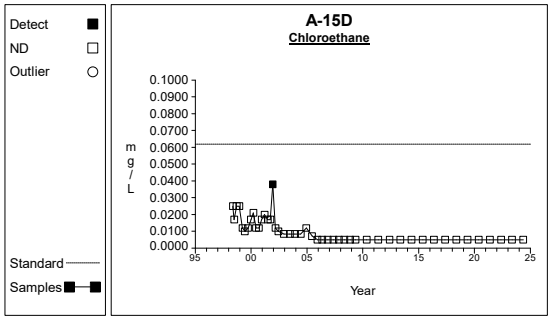
Graph 38



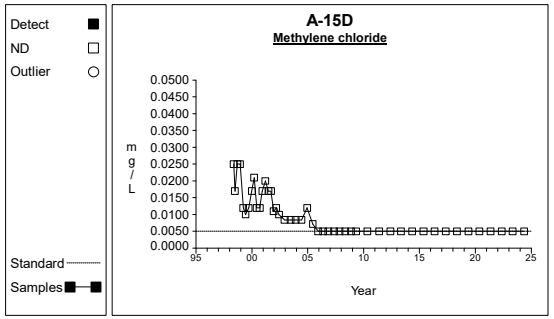
Graph 39



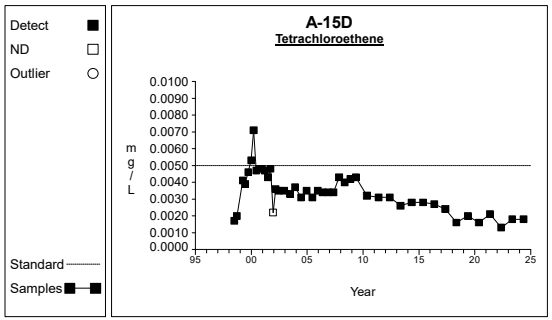
Graph 40



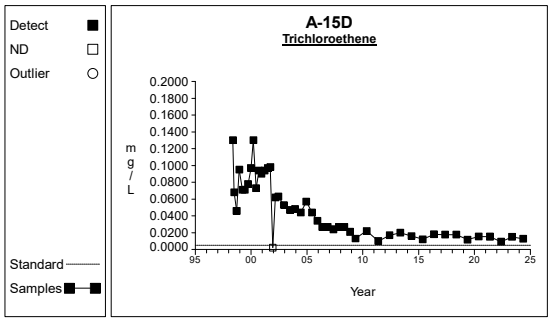
Graph 41



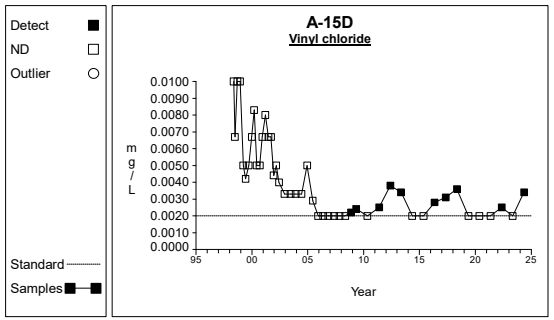
Graph 42



Graph 43

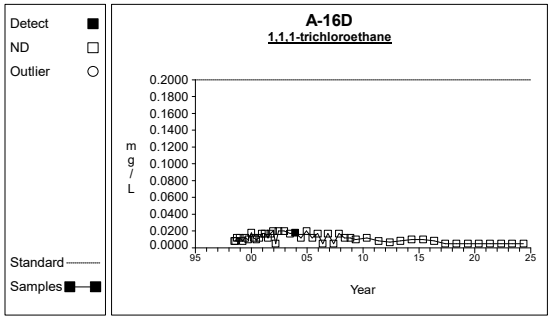


Graph 44

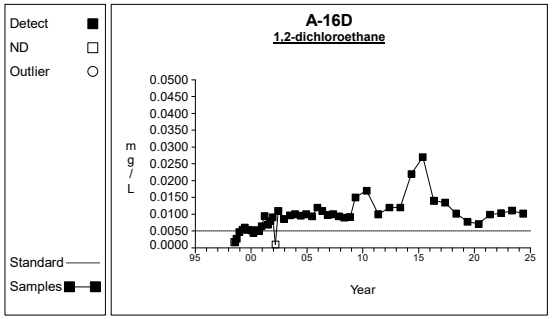


Graph 45

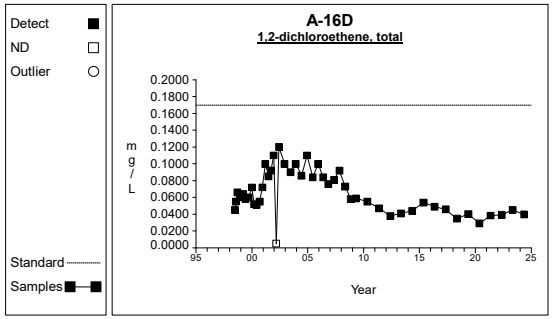
Time Series



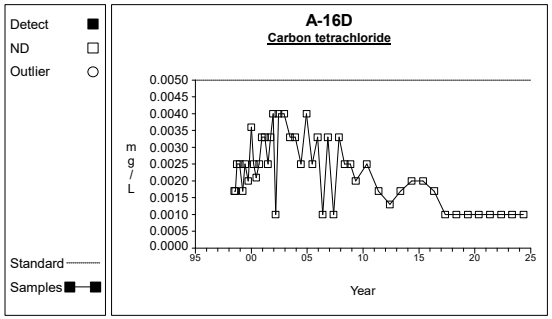
Graph 46



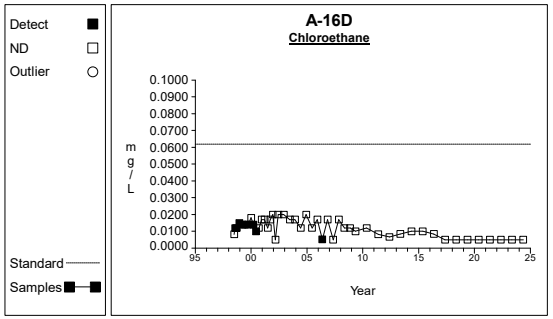
Graph 47



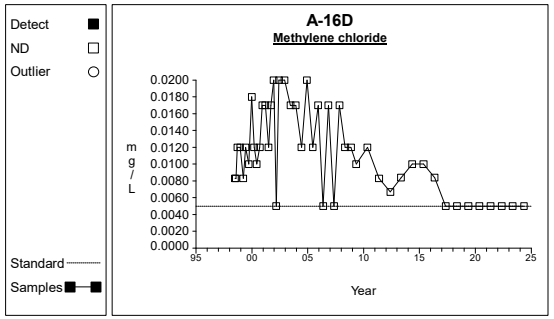
Graph 48



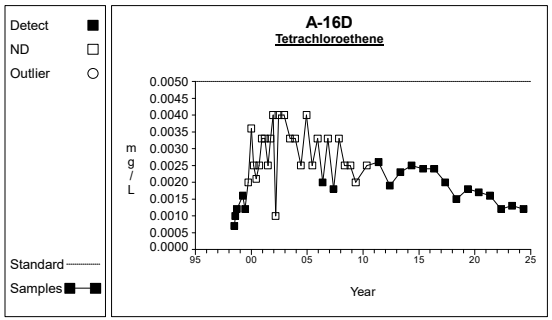
Graph 49



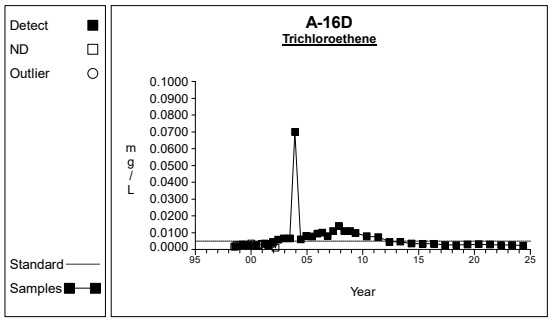
Graph 50



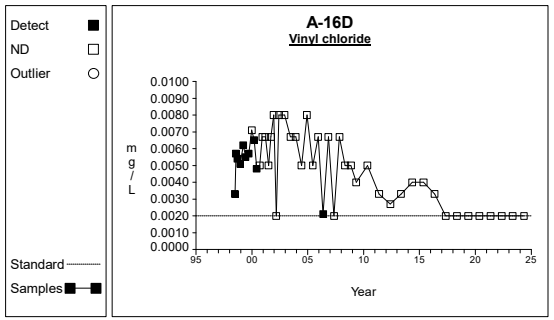
Graph 51



Graph 52

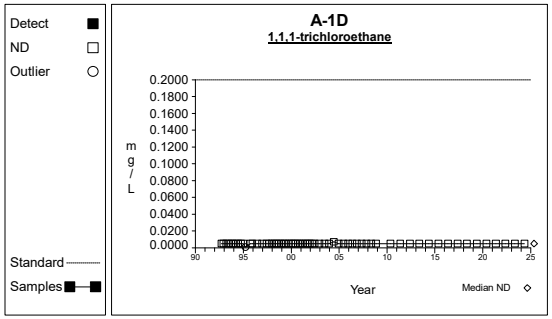


Graph 53

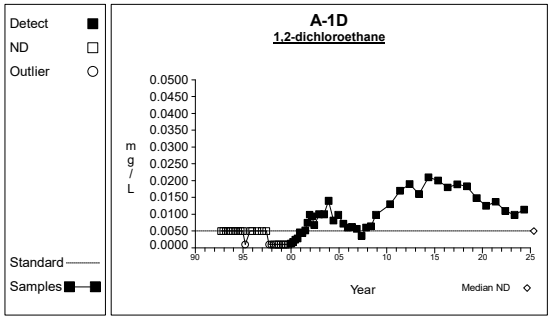


Graph 54

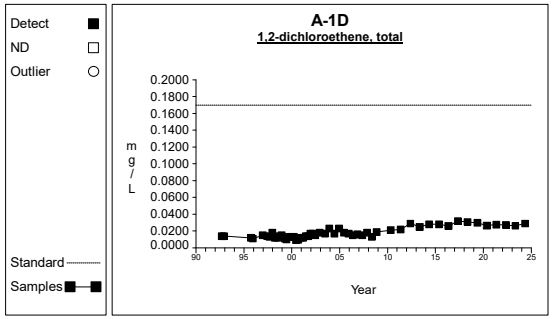
Time Series



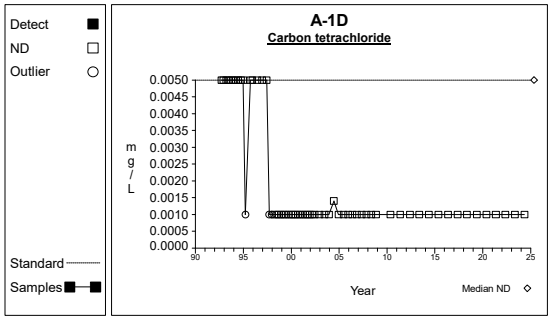
Graph 55



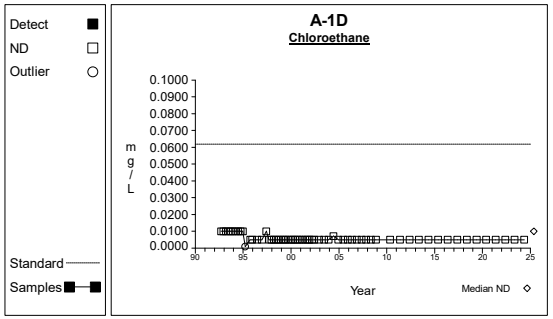
Graph 56



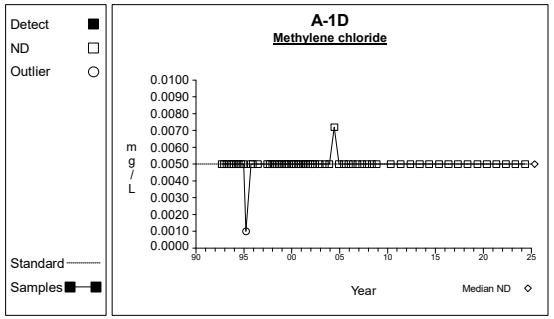
Graph 57



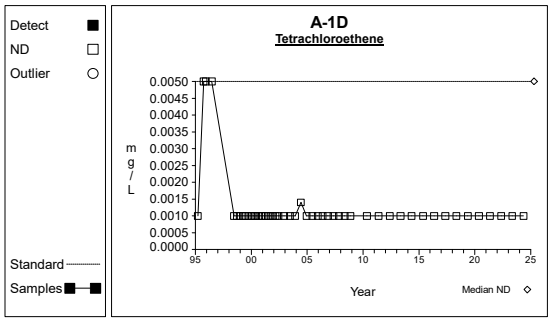
Graph 58



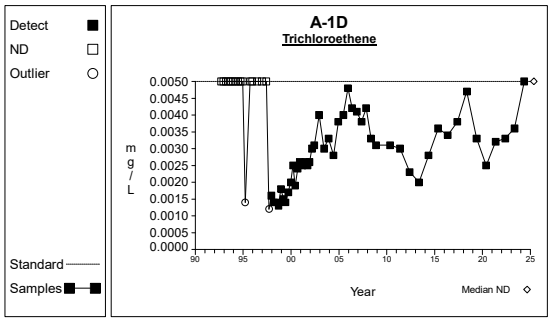
Graph 59



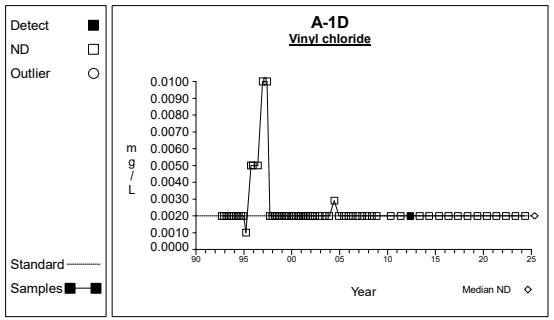
Graph 60



Graph 61



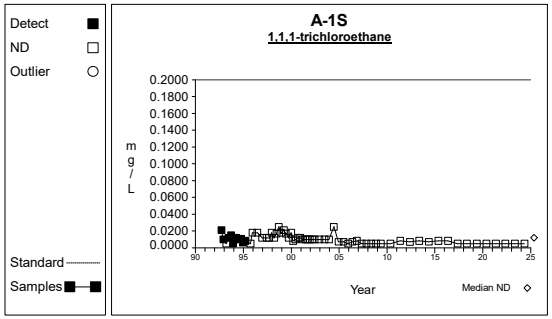
Graph 62



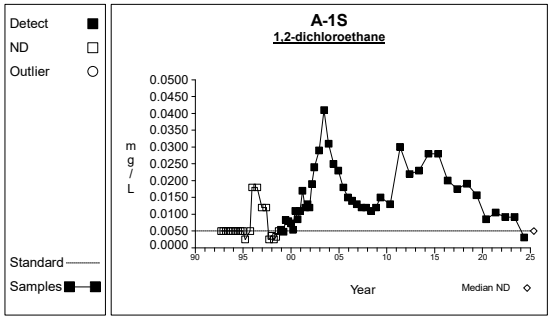
Graph 63

Prepared by: SESCO Group

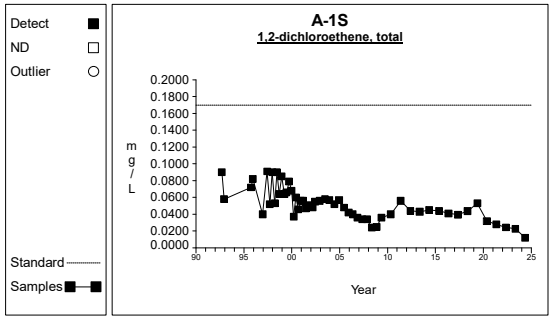
Time Series



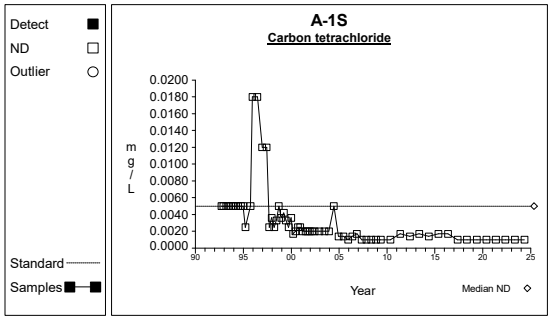
Graph 64



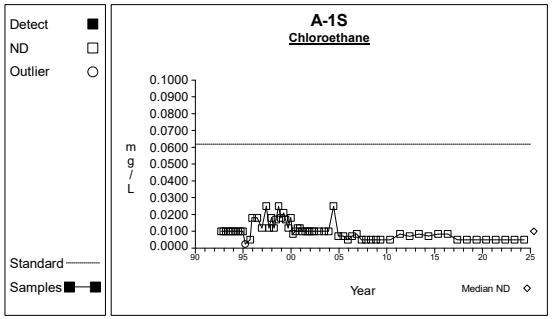
Graph 65



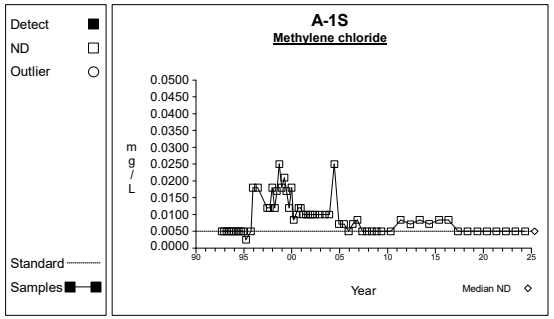
Graph 66



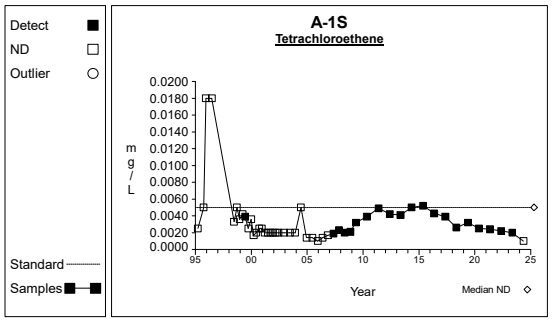
Graph 67



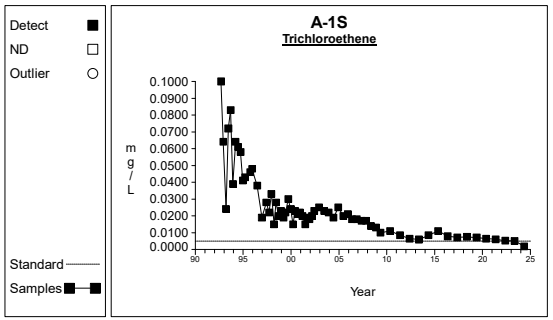
Graph 68



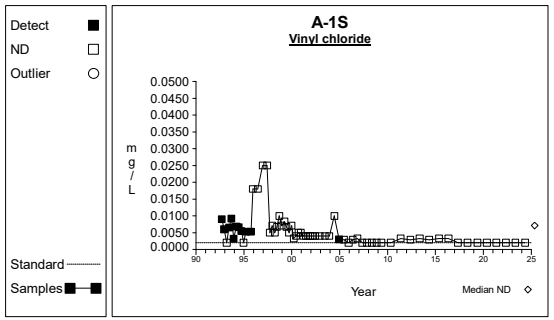
Graph 69



Graph 70

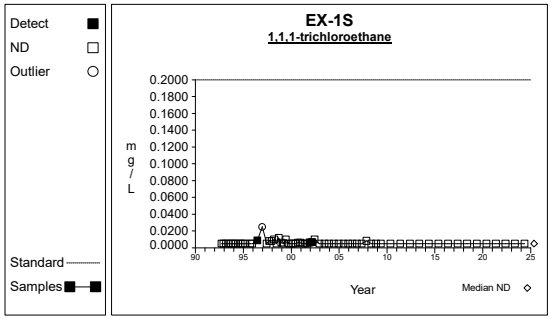


Graph 71

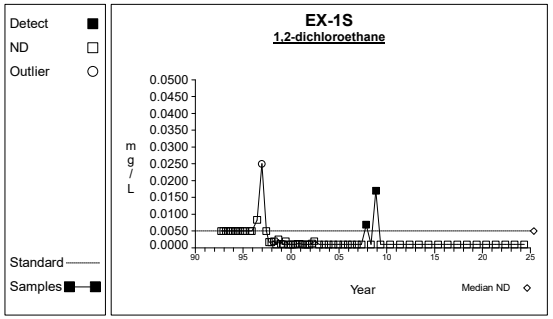


Graph 72

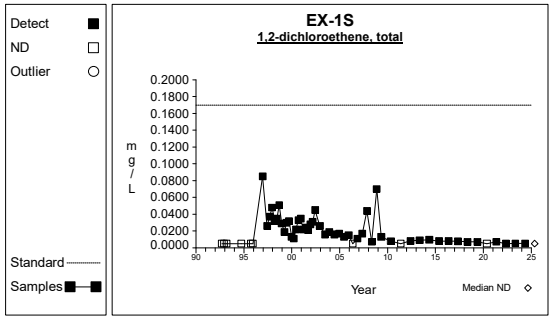
Time Series



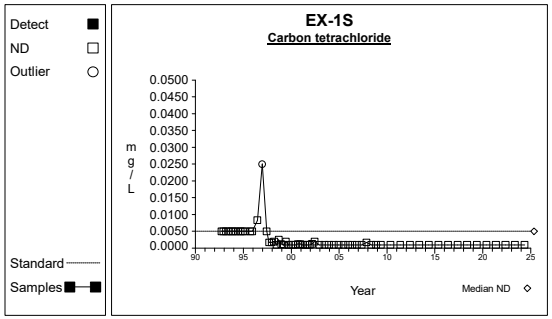
Graph 73



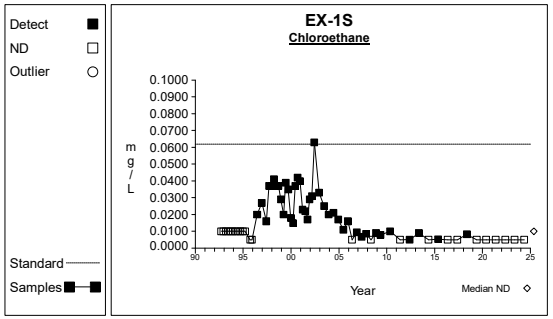
Graph 74



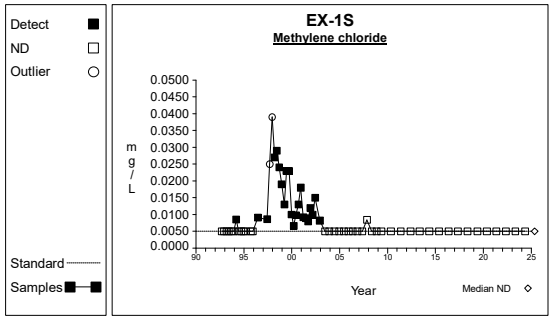
Graph 75



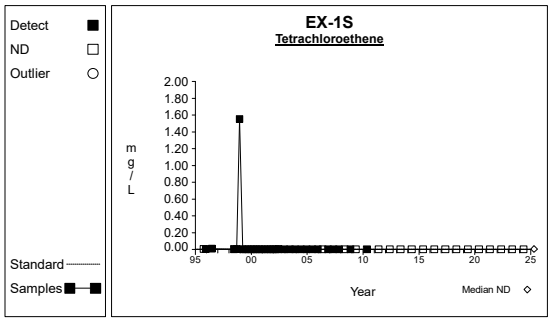
Graph 76



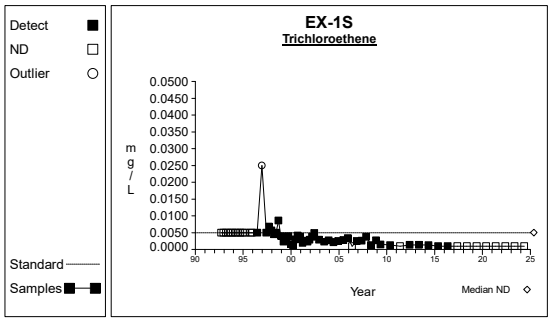
Graph 77



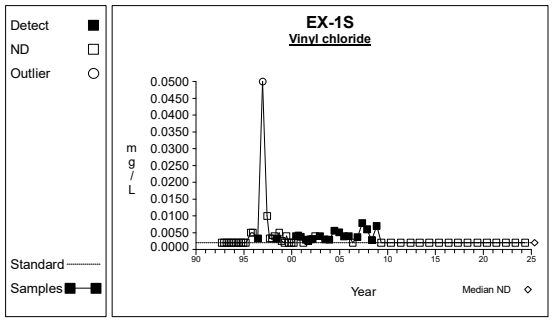
Graph 78



Graph 79



Graph 80



Graph 81

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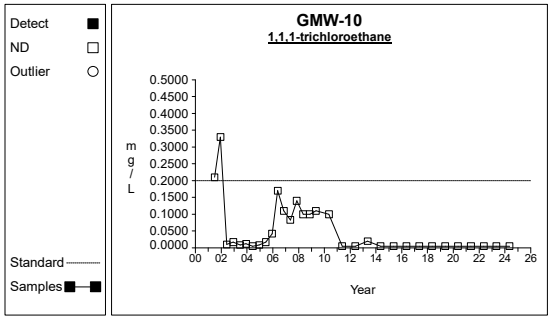
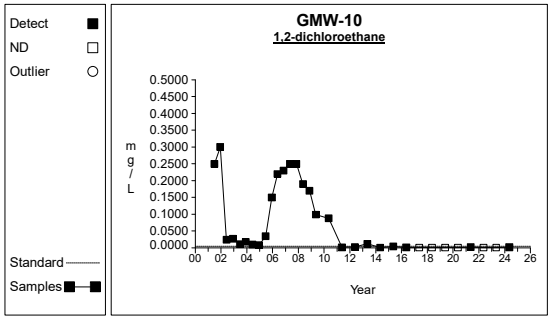
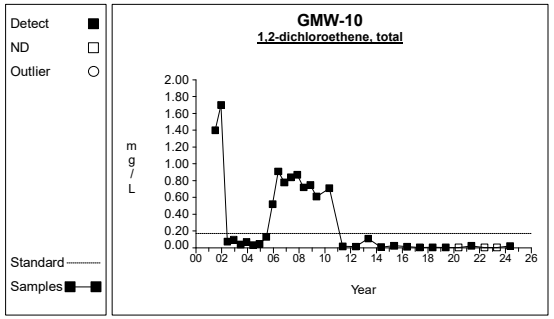
Time Series



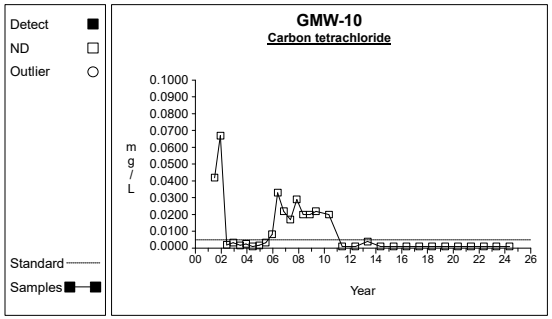
Graph 82



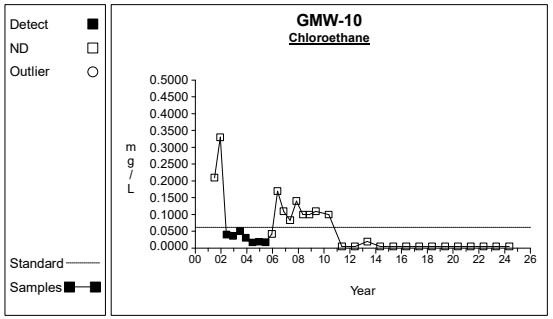
Graph 83



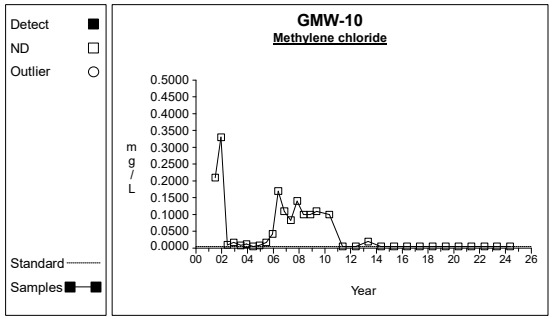
Graph 84



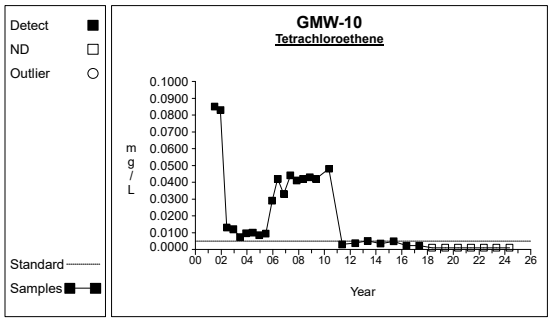
Graph 85



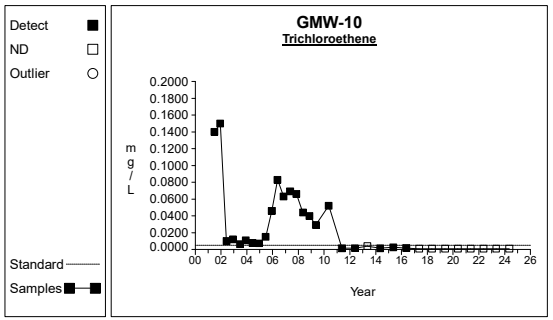
Graph 86



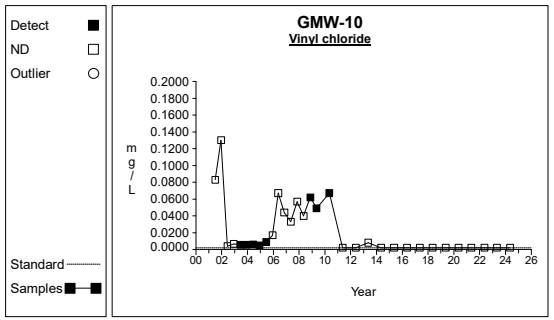
Graph 87



Graph 88

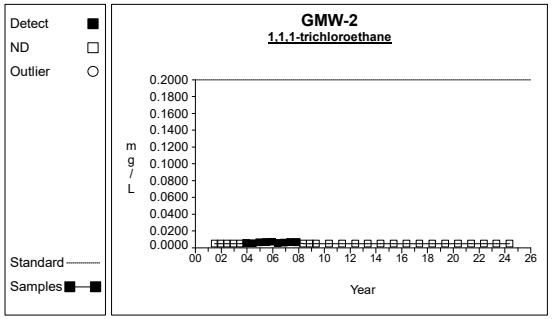


Graph 89

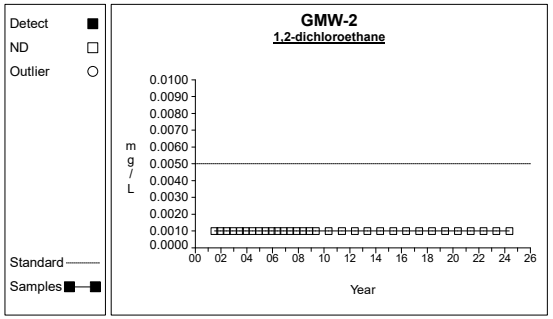


Graph 90

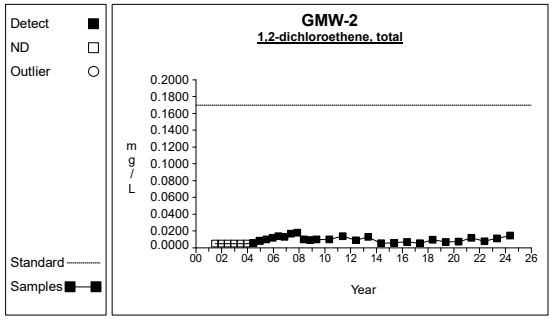
Time Series



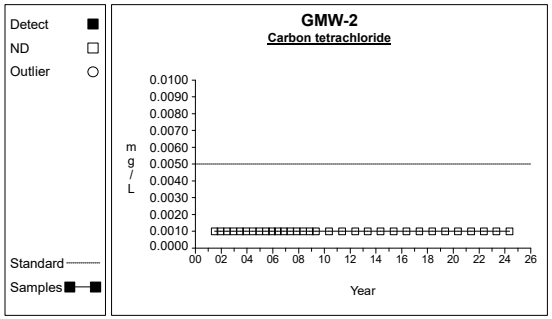
Graph 91



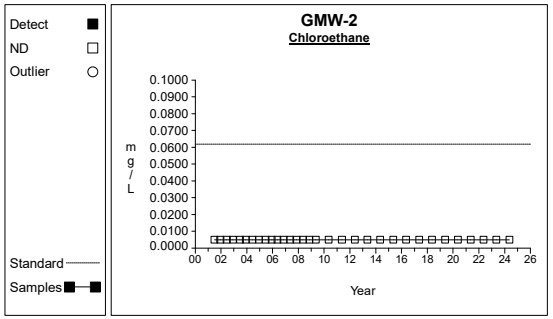
Graph 92



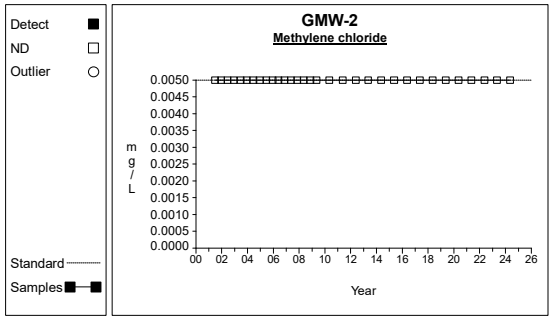
Graph 93



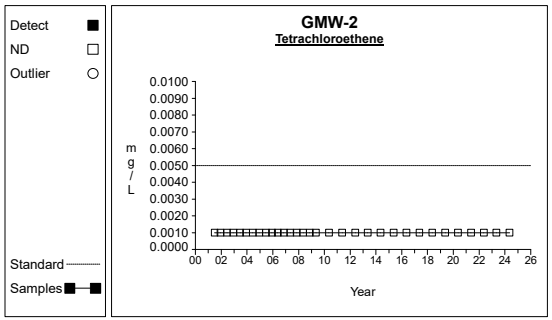
Graph 94



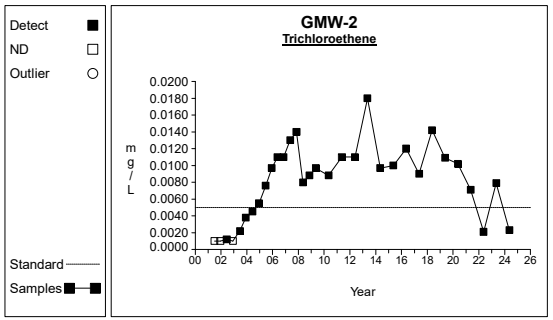
Graph 95



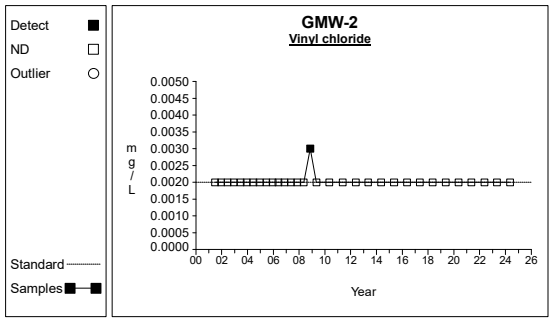
Graph 96



Graph 97

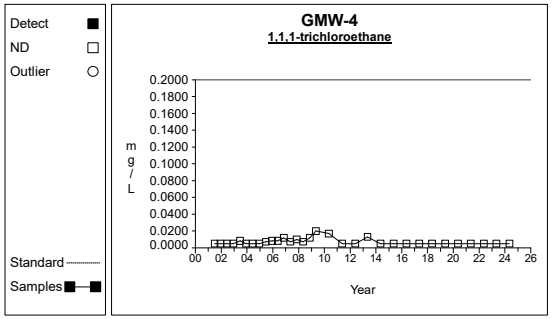


Graph 98

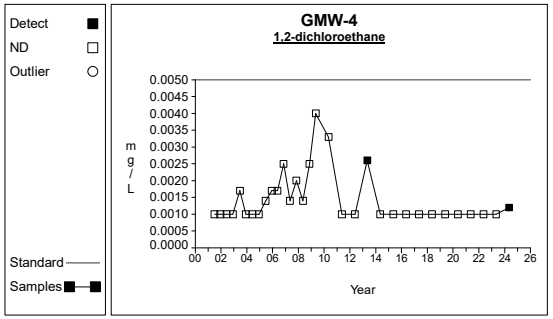


Graph 99

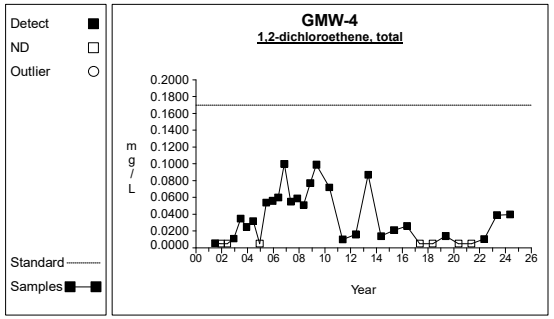
Time Series



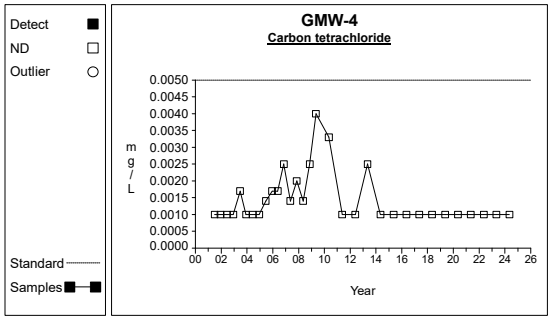
Graph 100



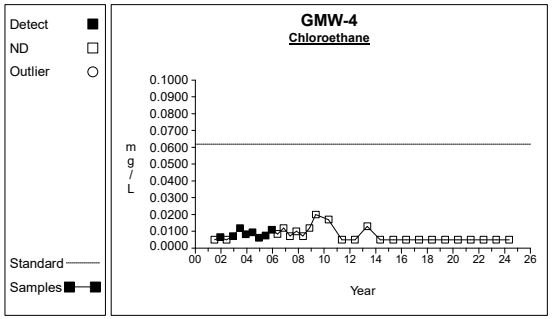
Graph 101



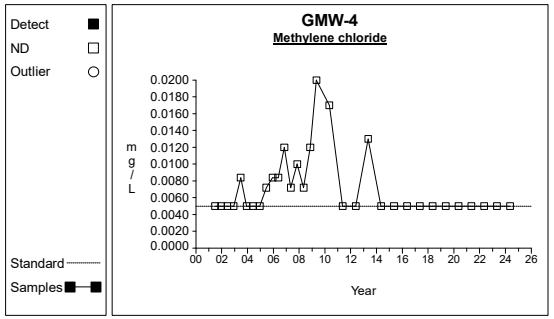
Graph 102



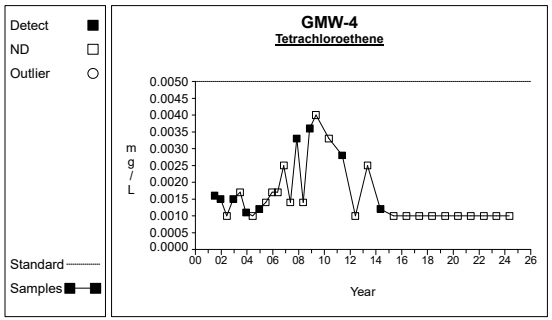
Graph 103



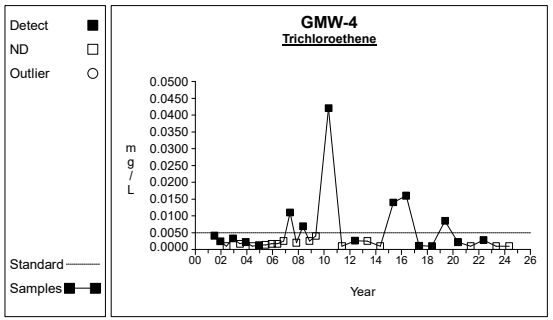
Graph 104



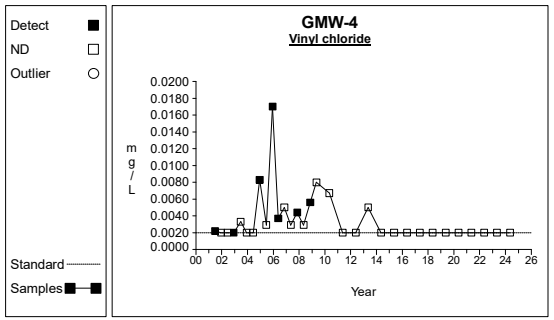
Graph 105



Graph 106



Graph 107



Graph 108

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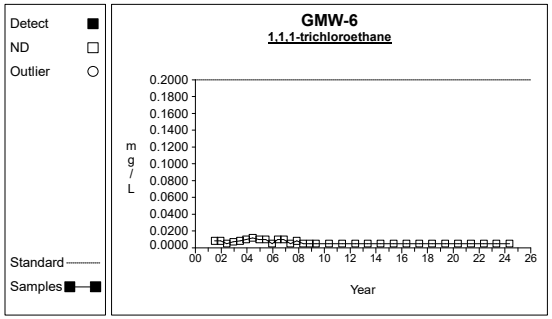
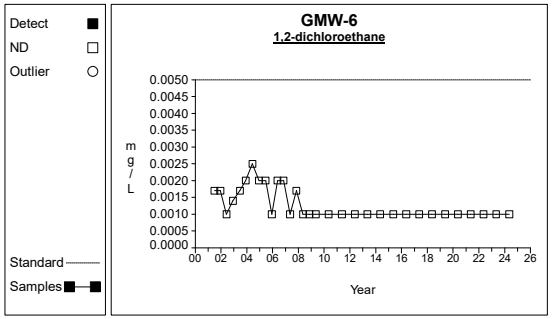
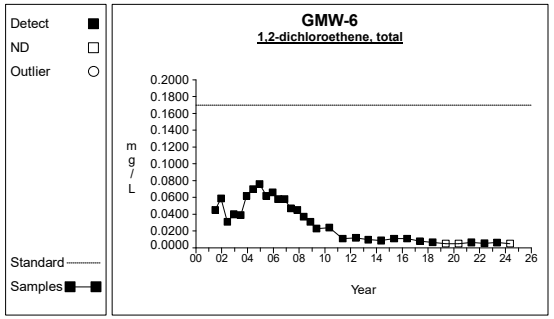
Time Series



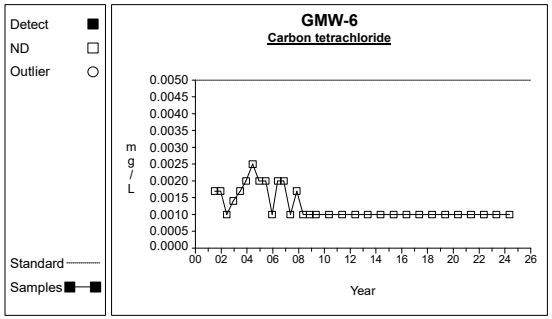
Graph 109



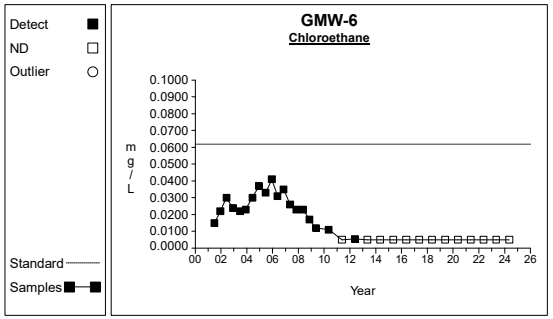
Graph 110



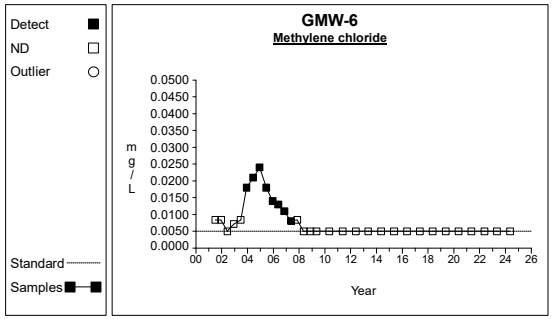
Graph 111



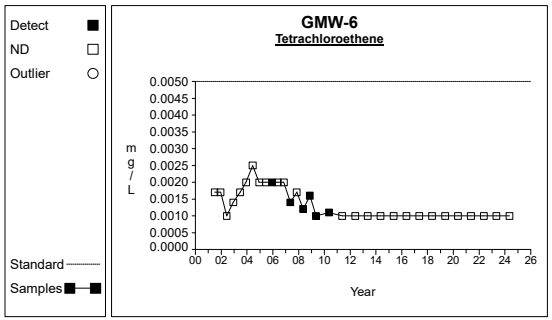
Graph 112



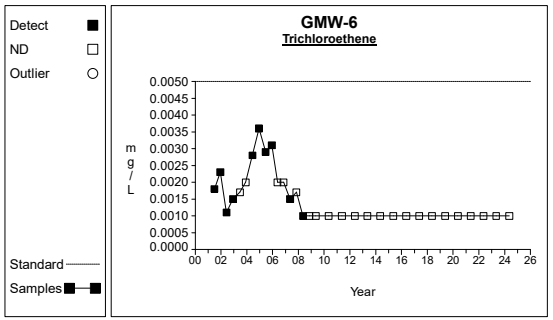
Graph 113



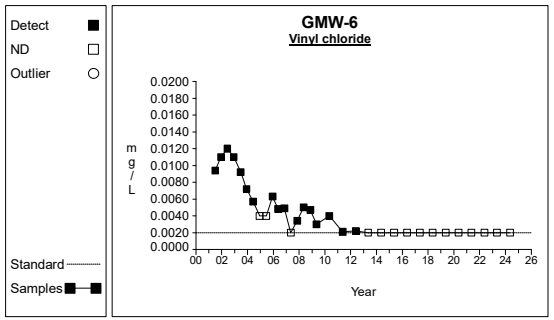
Graph 114



Graph 115

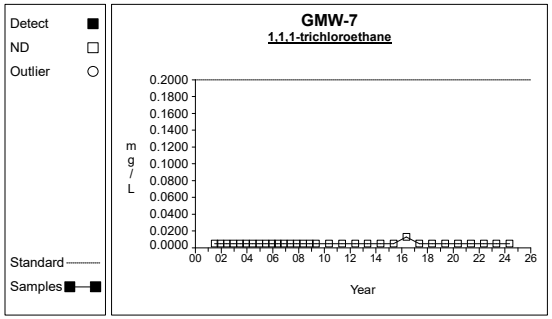


Graph 116

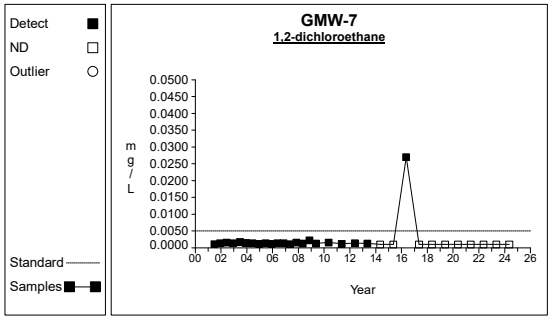


Graph 117

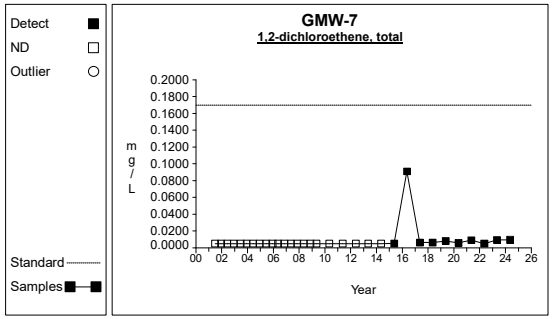
Time Series



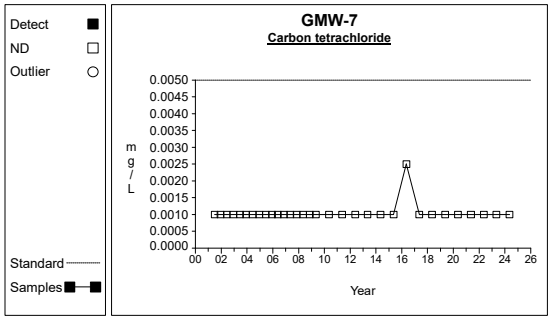
Graph 118



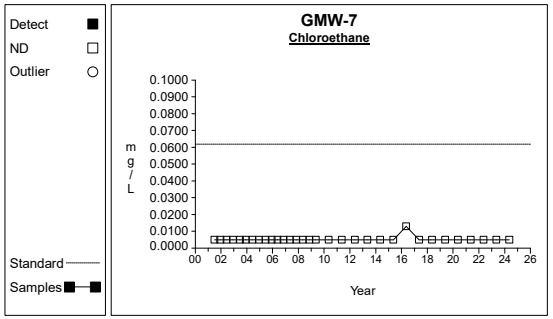
Graph 119



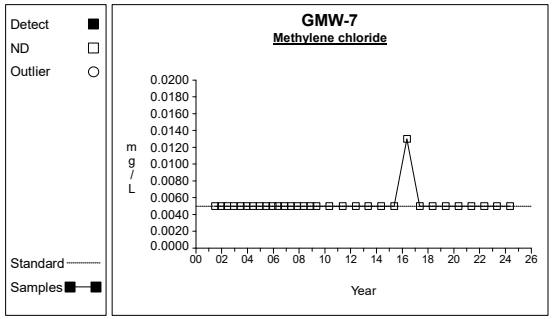
Graph 120



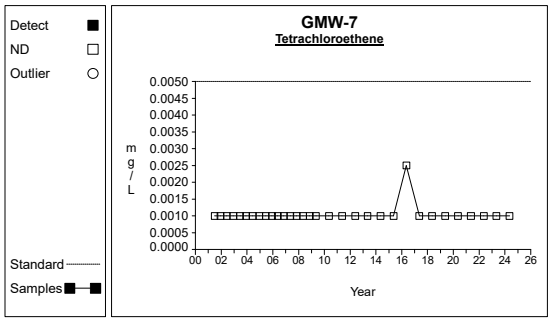
Graph 121



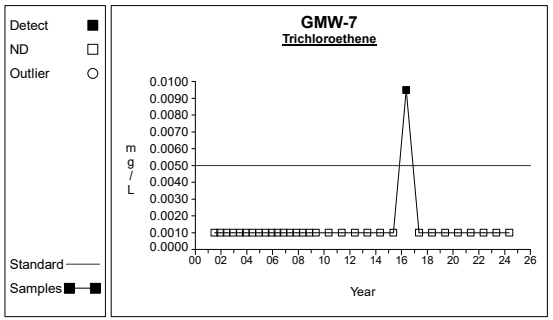
Graph 122



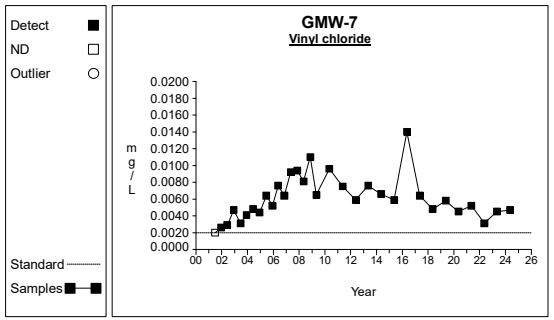
Graph 123



Graph 124



Graph 125



Graph 126

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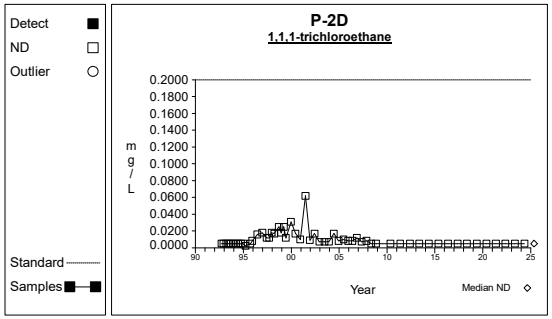
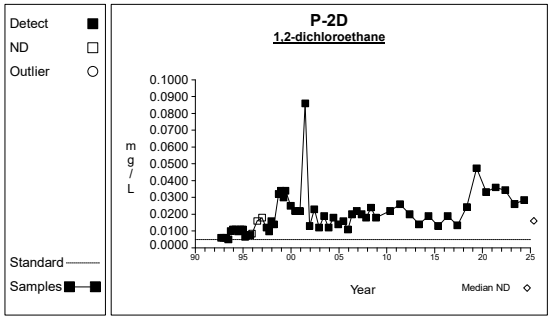
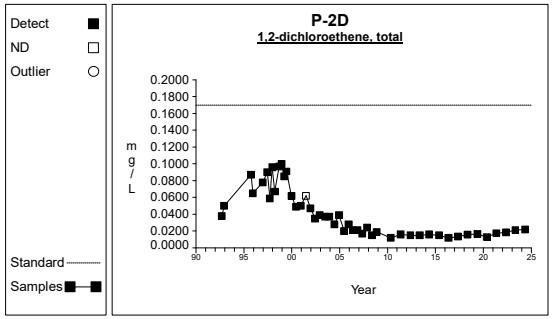
Time Series



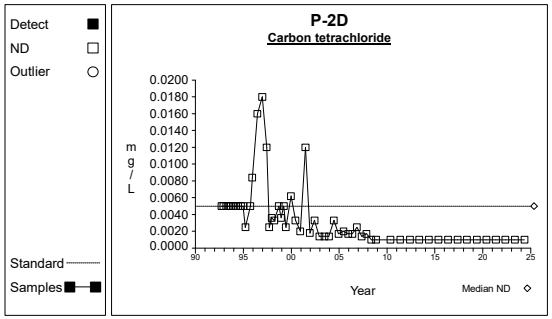
Graph 127



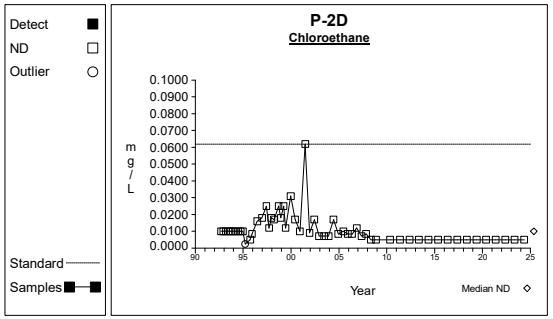
Graph 128



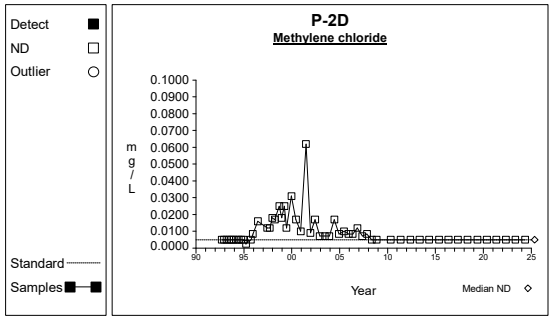
Graph 129



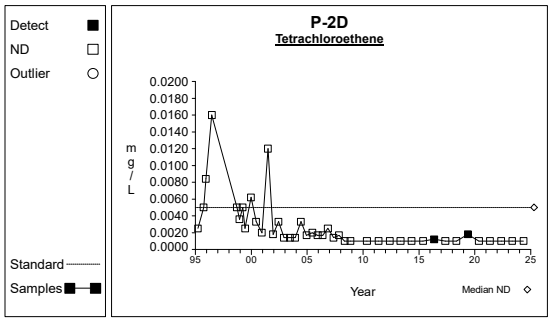
Graph 130



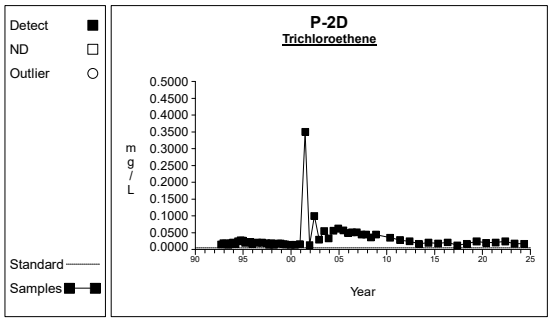
Graph 131



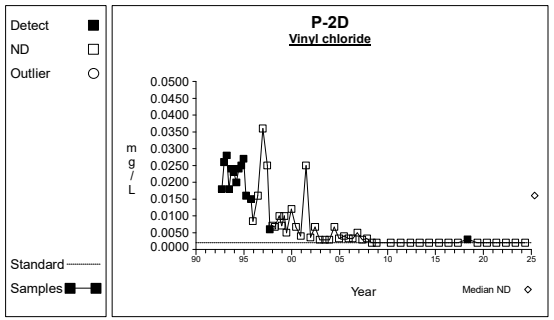
Graph 132



Graph 133

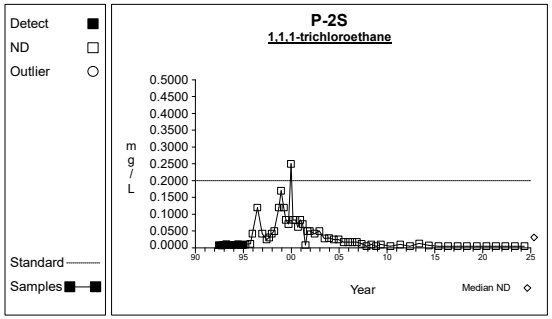


Graph 134

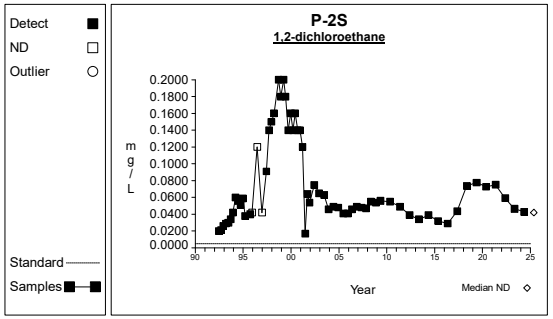


Graph 135

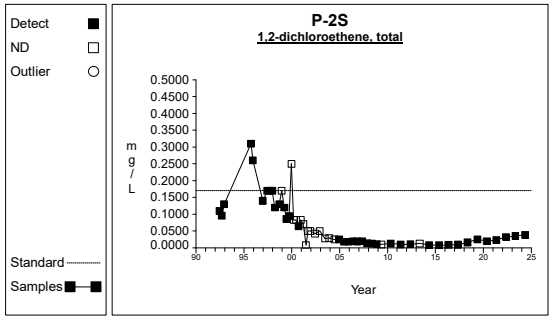
Time Series



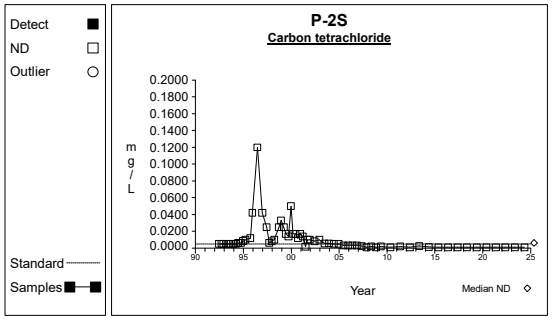
Graph 136



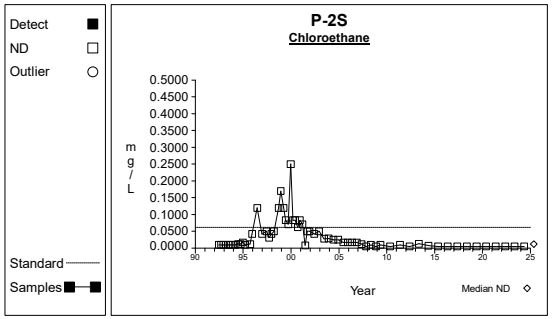
Graph 137



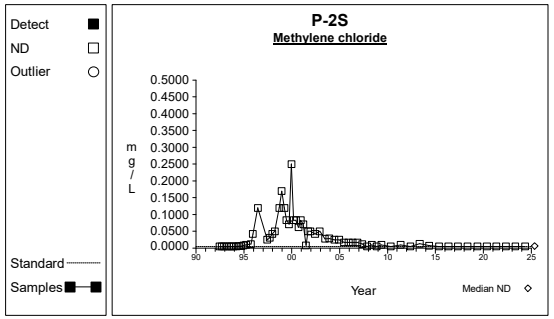
Graph 138



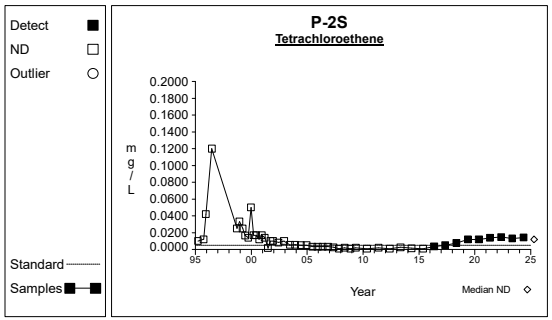
Graph 139



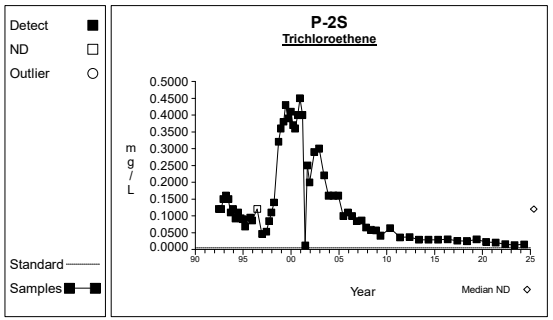
Graph 140



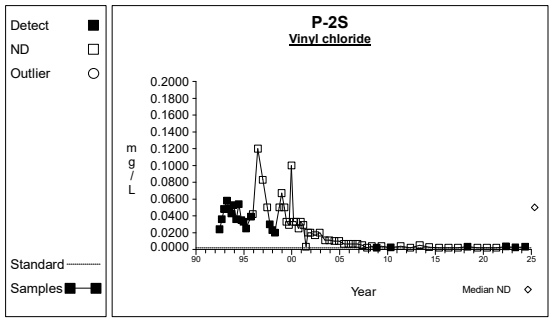
Graph 141



Graph 142



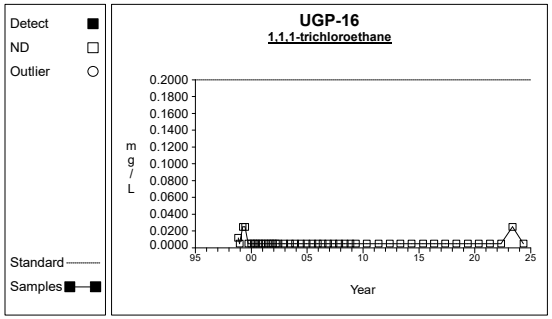
Graph 143



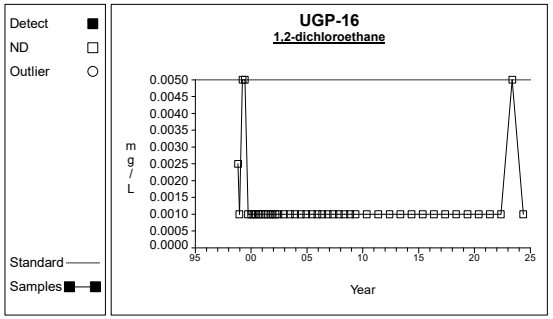
Graph 144

Prepared by: SESCO Group

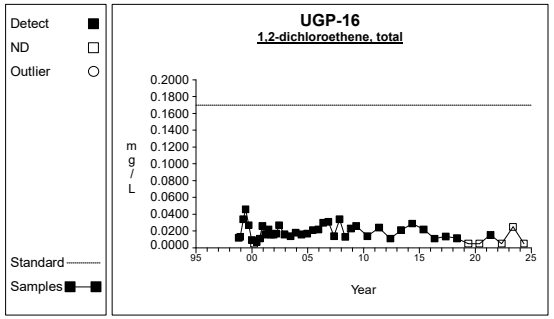
Time Series



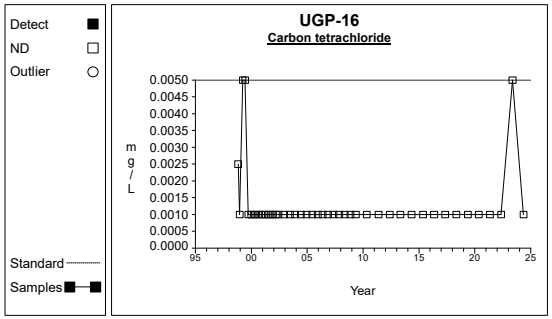
Graph 145



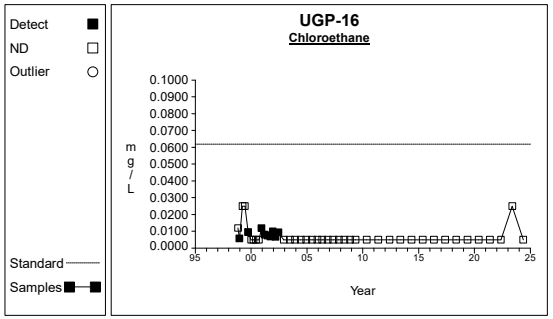
Graph 146



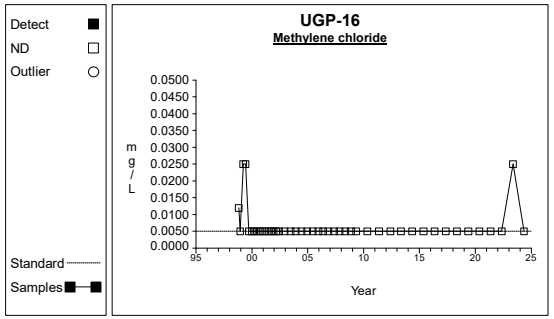
Graph 147



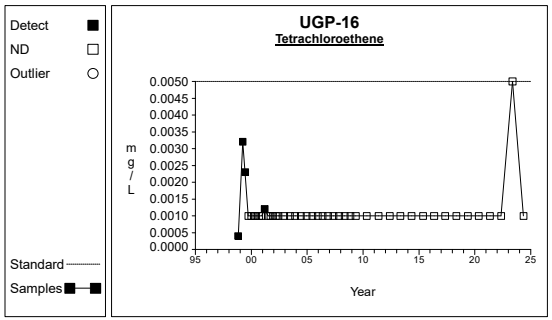
Graph 148



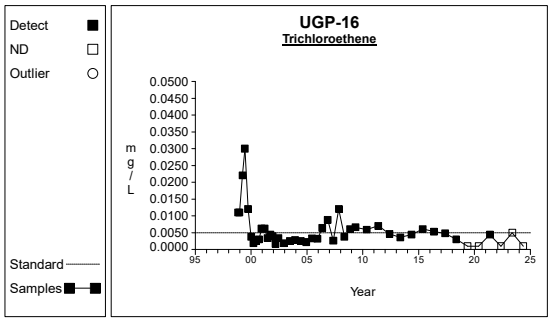
Graph 149



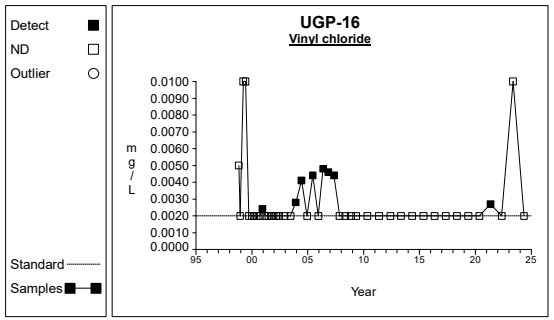
Graph 150



Graph 151

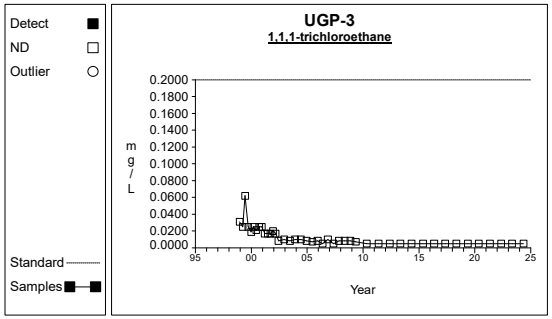


Graph 152

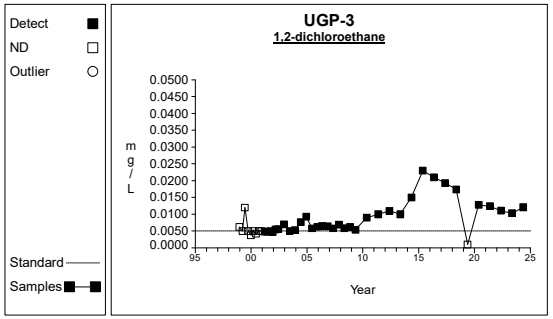


Graph 153

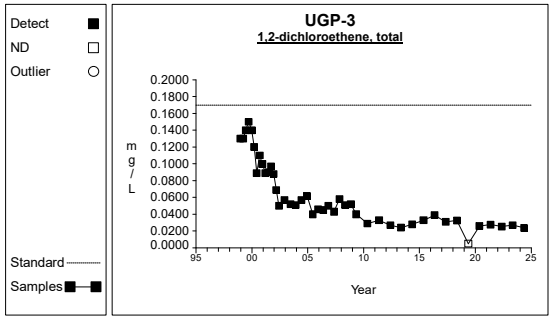
Time Series



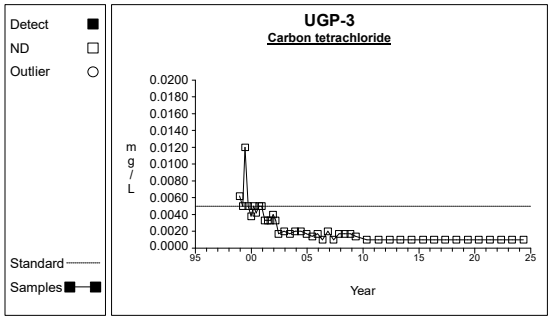
Graph 154



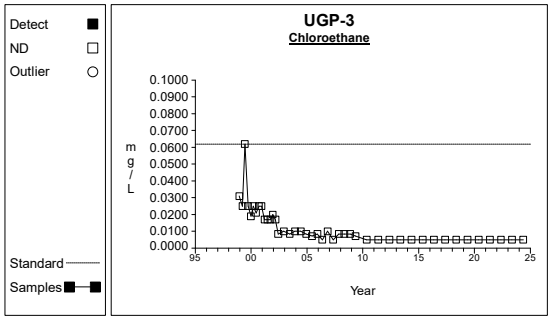
Graph 155



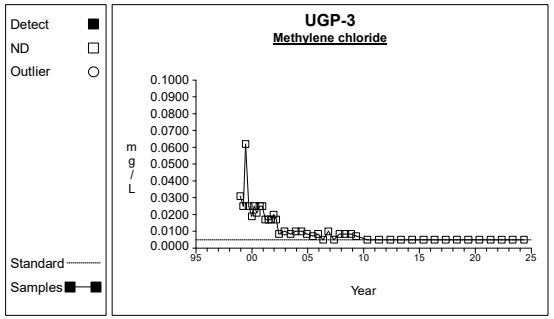
Graph 156



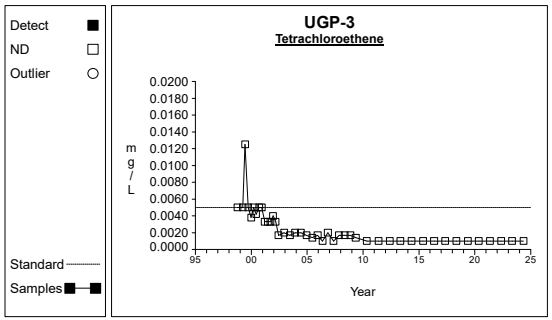
Graph 157



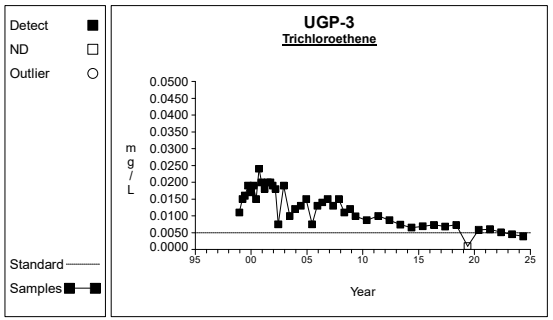
Graph 158



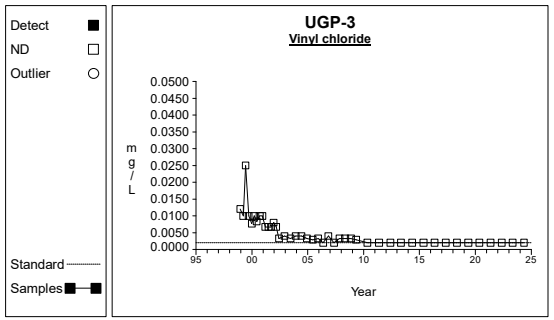
Graph 159



Graph 160

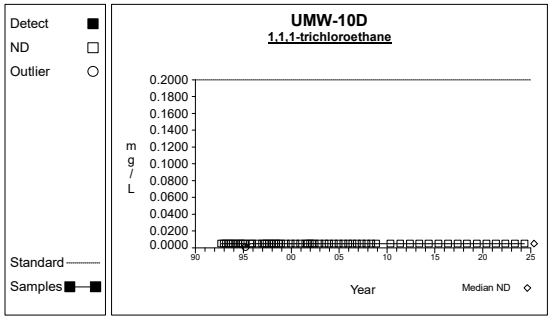


Graph 161

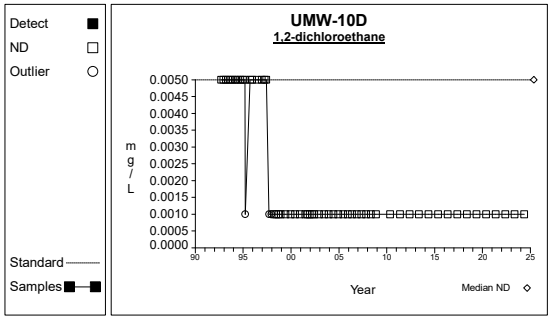


Graph 162

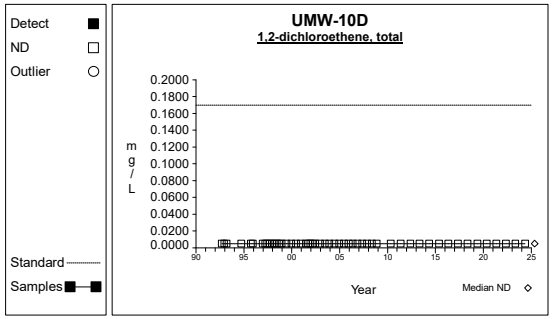
Time Series



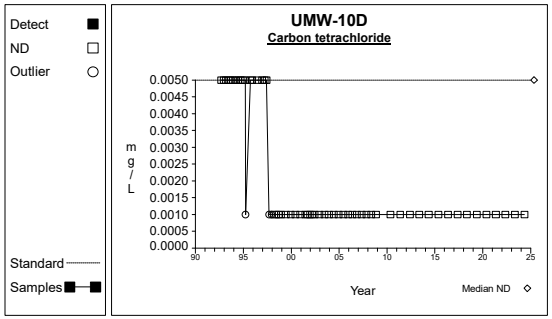
Graph 163



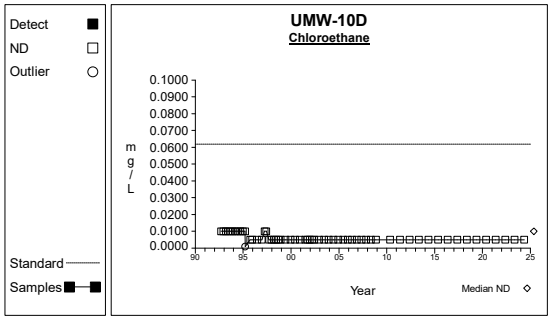
Graph 164



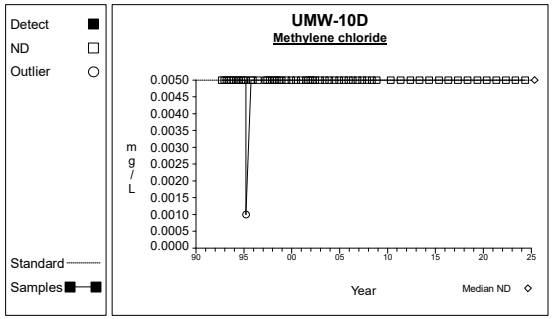
Graph 165



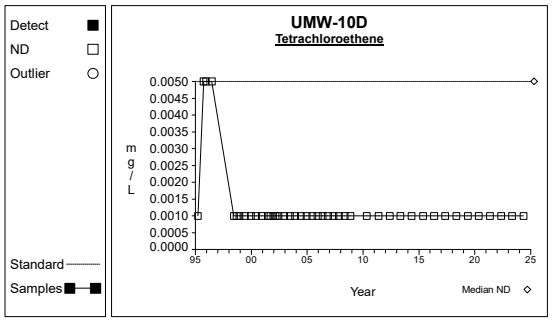
Graph 166



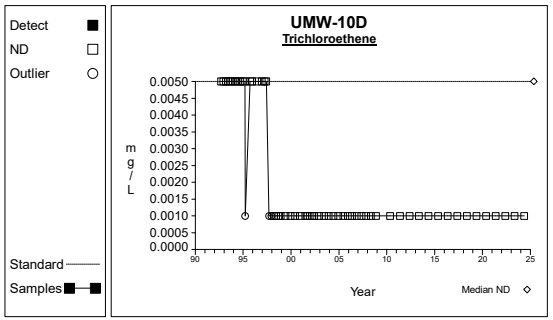
Graph 167



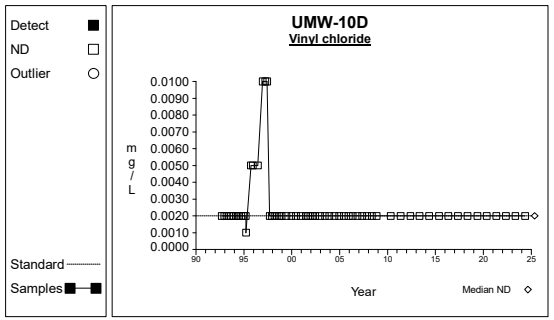
Graph 168



Graph 169

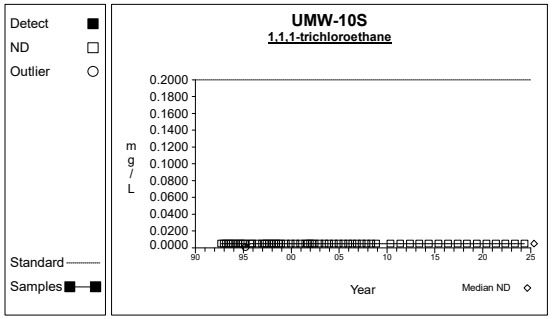


Graph 170

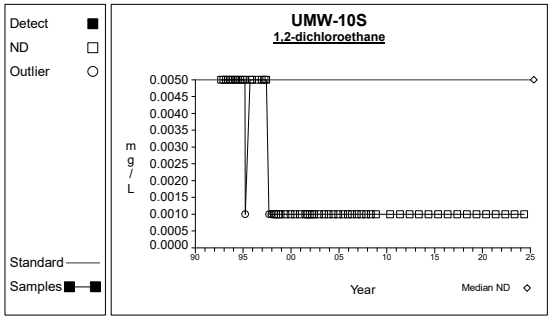


Graph 171

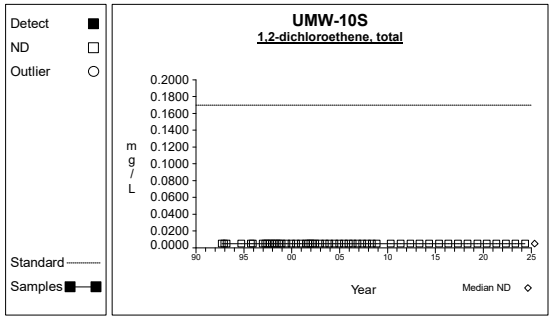
Time Series



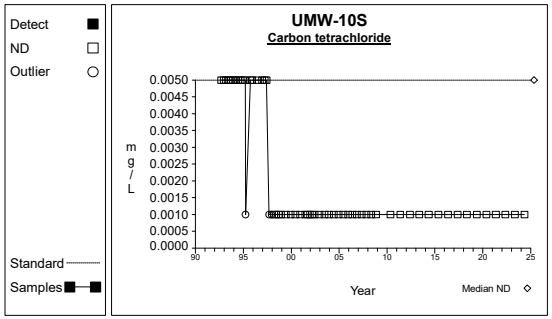
Graph 172



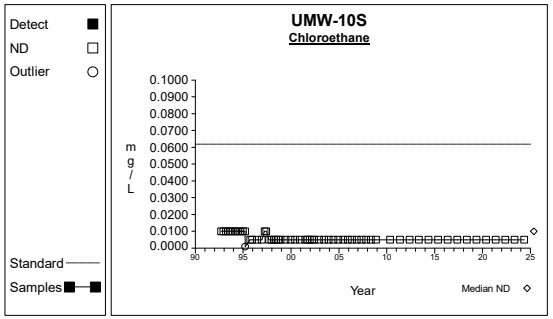
Graph 173



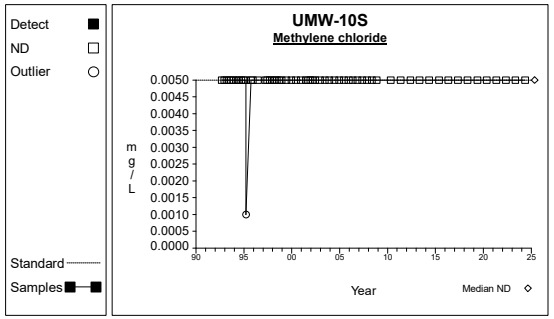
Graph 174



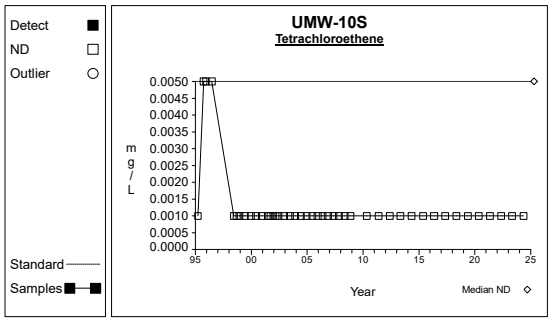
Graph 175



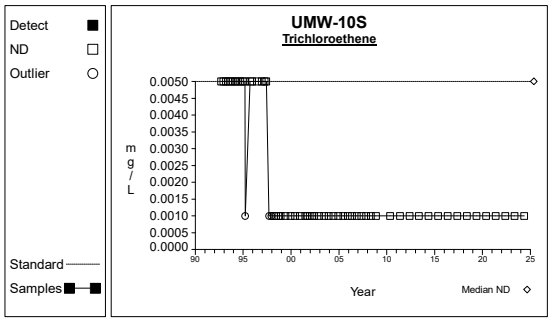
Graph 176



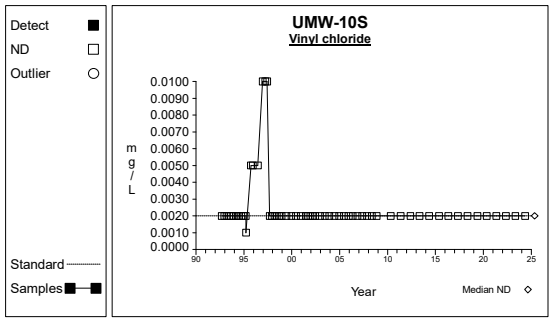
Graph 177



Graph 178



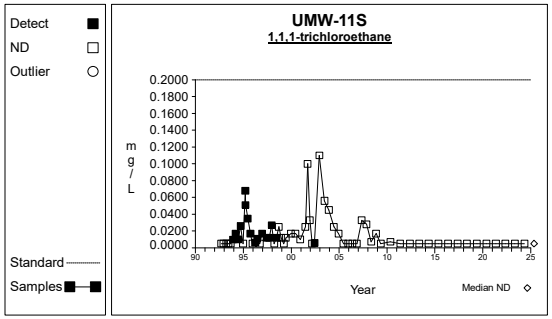
Graph 179



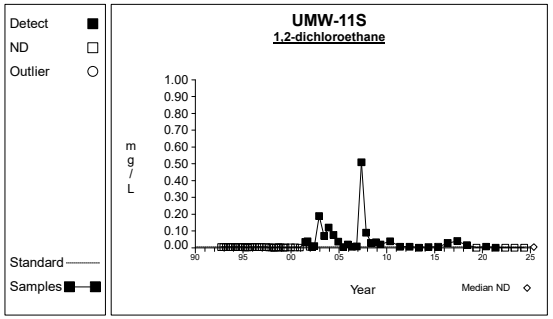
Graph 180

Prepared by: SESCO Group

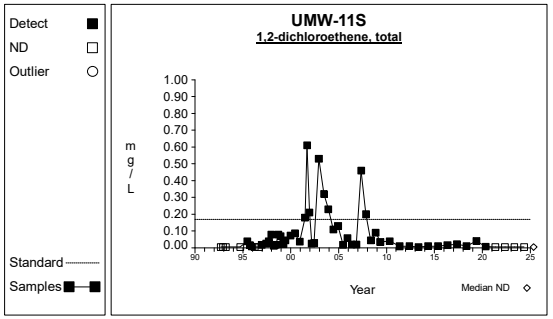
Time Series



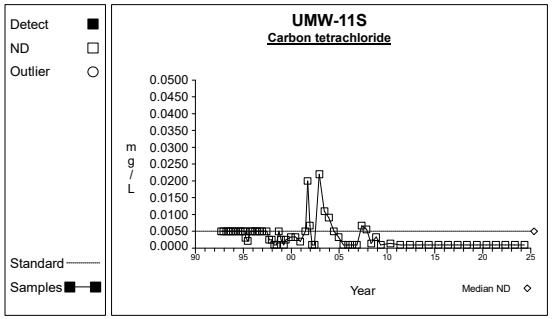
Graph 181



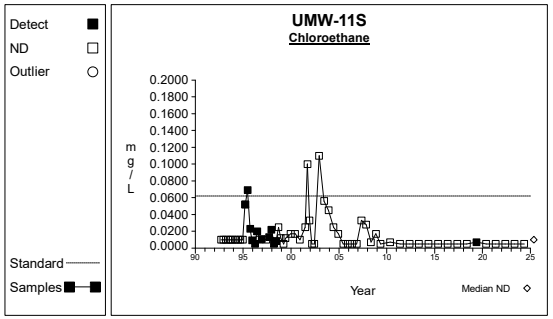
Graph 182



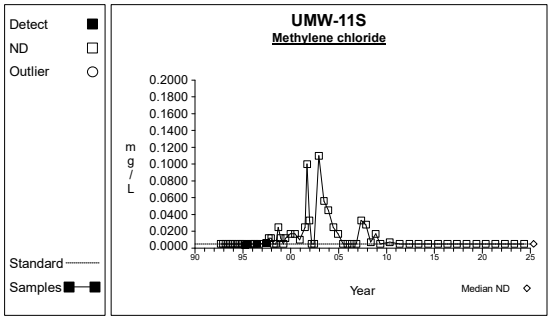
Graph 183



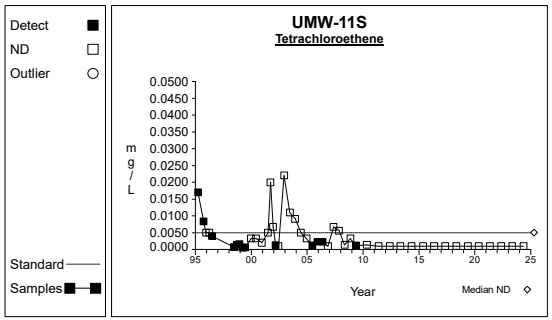
Graph 184



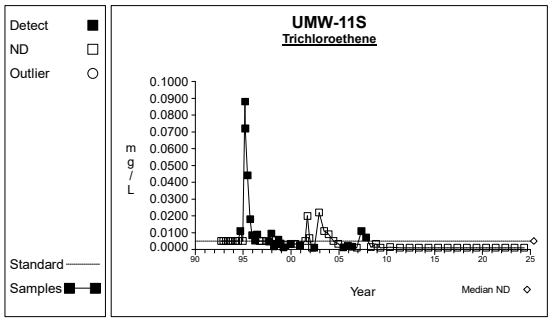
Graph 185



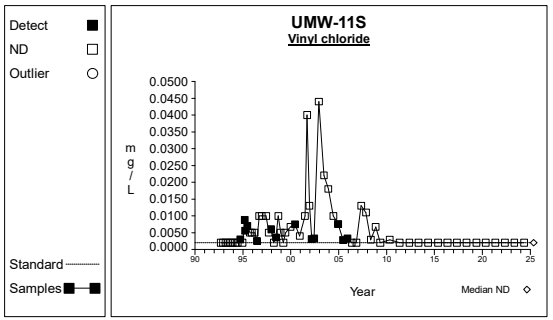
Graph 186



Graph 187



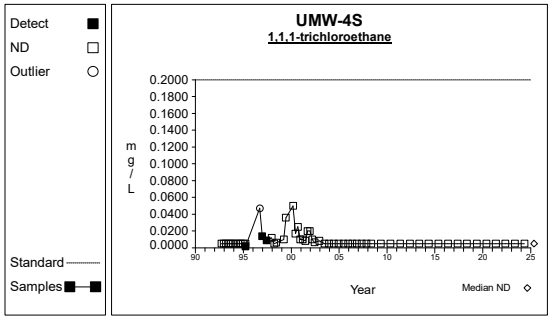
Graph 188



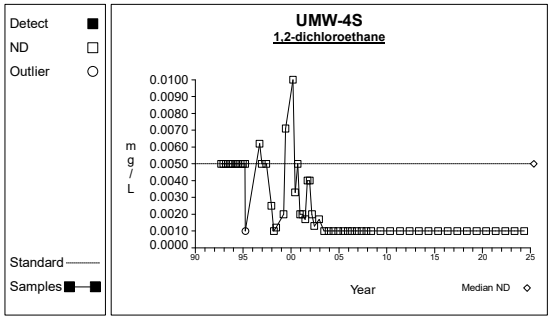
Graph 189

Prepared by: SESCO Group

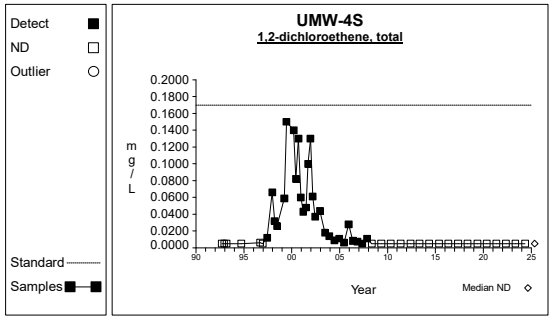
Time Series



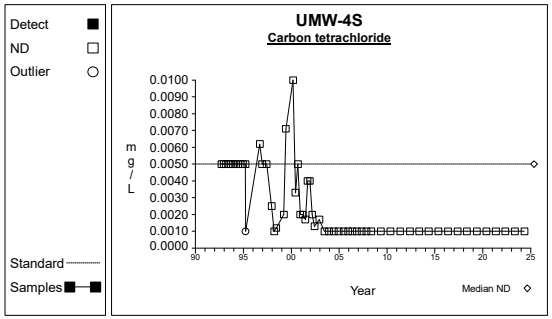
Graph 190



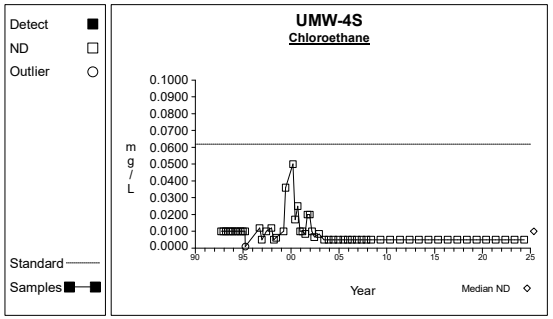
Graph 191



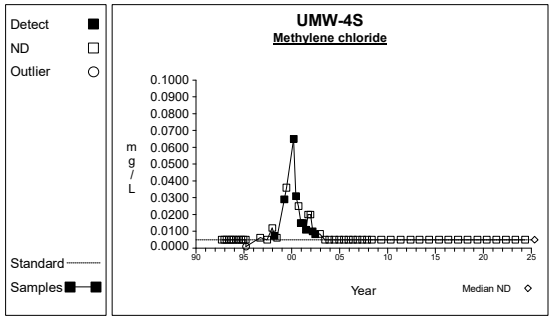
Graph 192



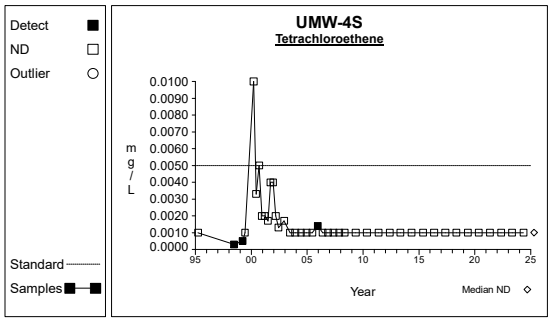
Graph 193



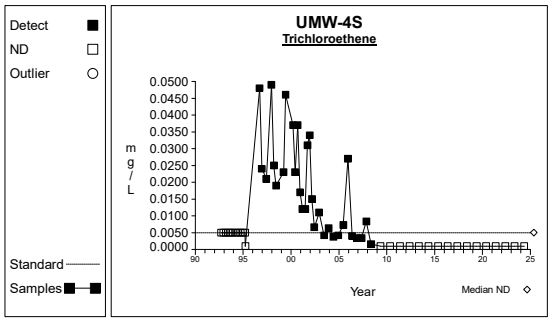
Graph 194



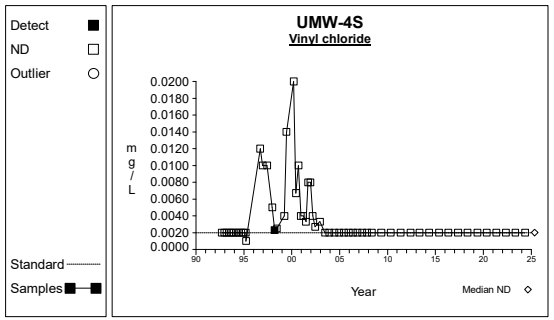
Graph 195



Graph 196



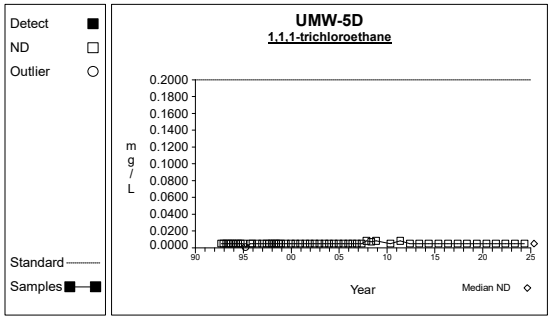
Graph 197



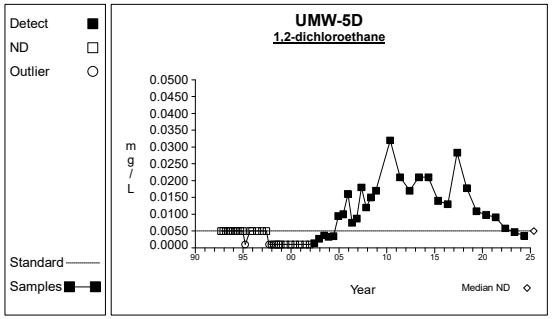
Graph 198

Prepared by: SESCO Group

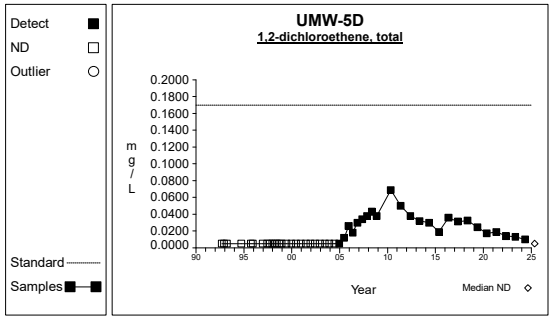
Time Series



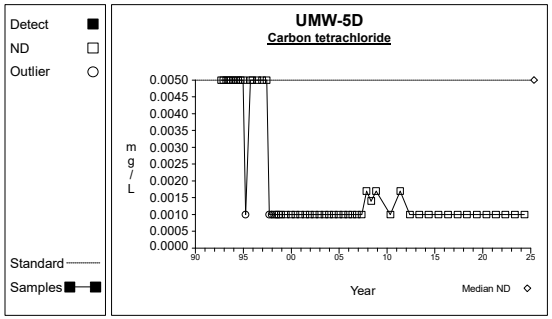
Graph 199



Graph 200



Graph 201



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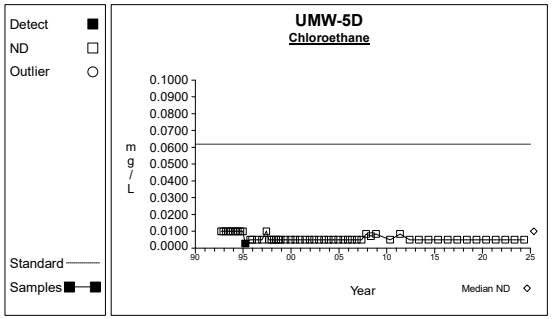

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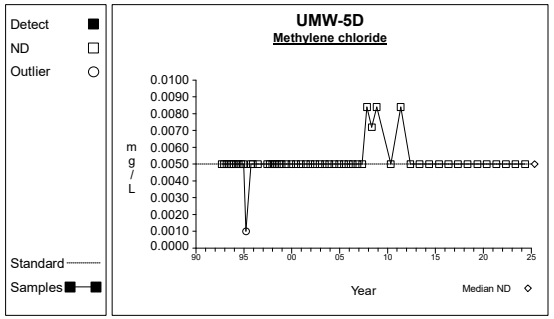

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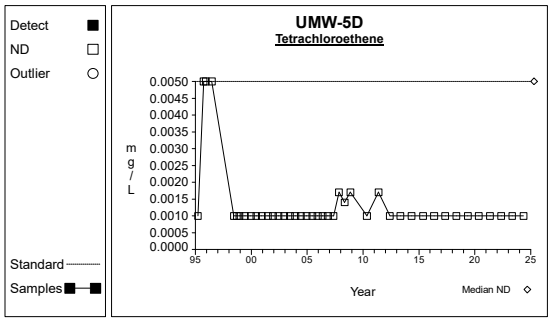

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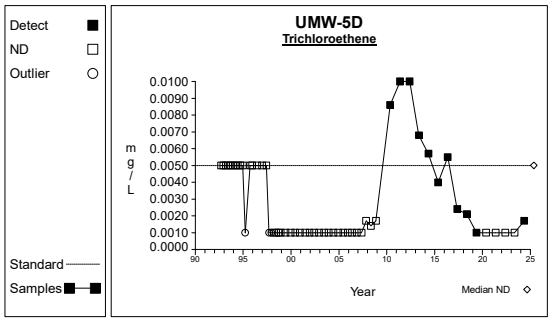

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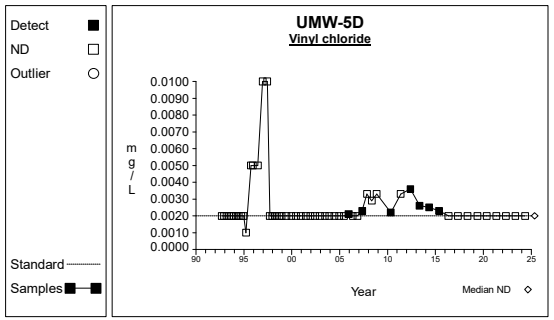
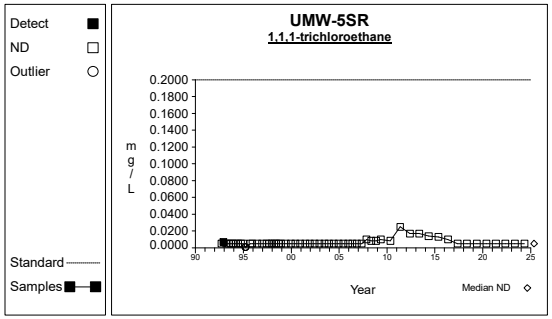


Graph 207

Prepared by: SESCO Group

Time Series



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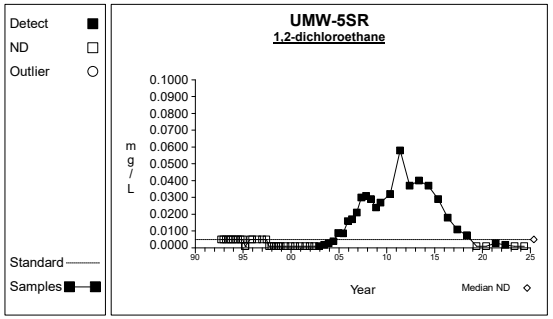

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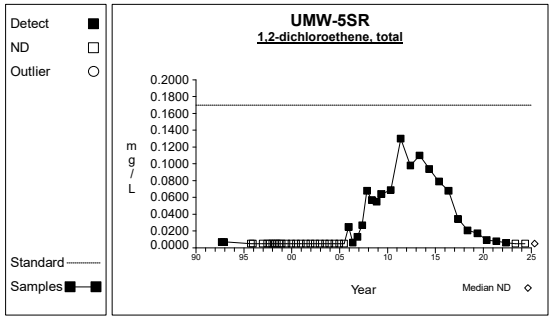
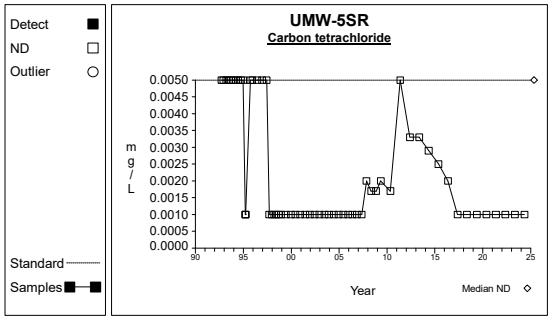
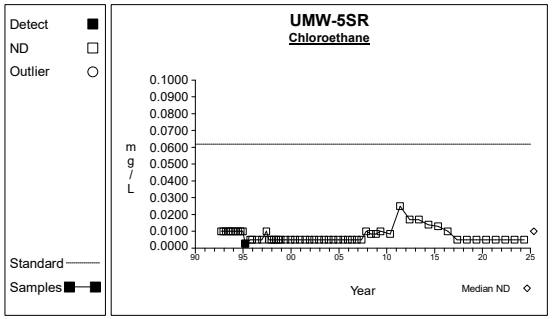


Graph 210



Graph 211



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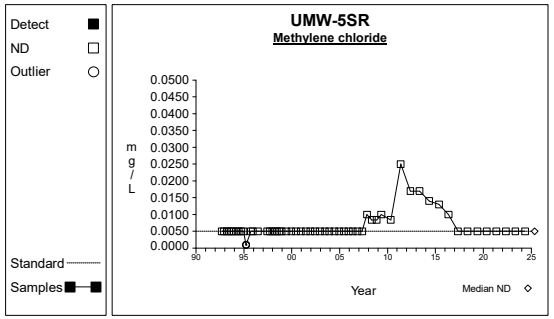
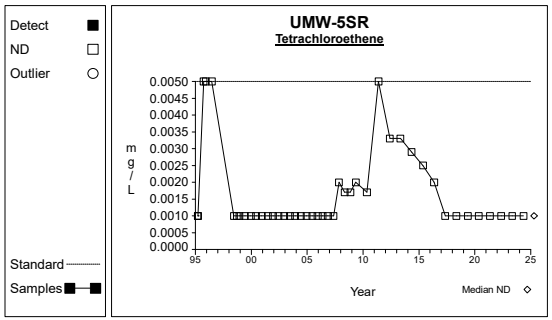
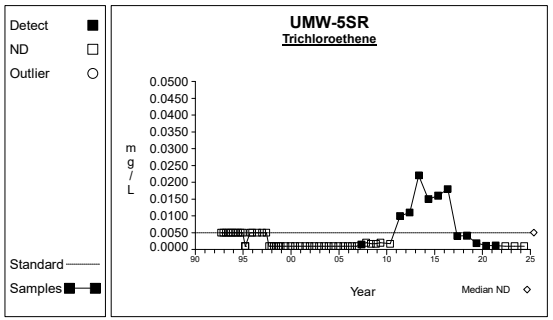


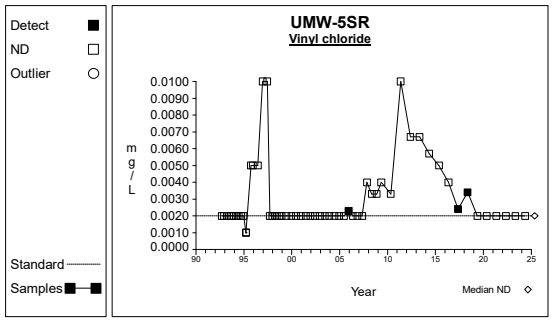
Graph 213



Graph 214



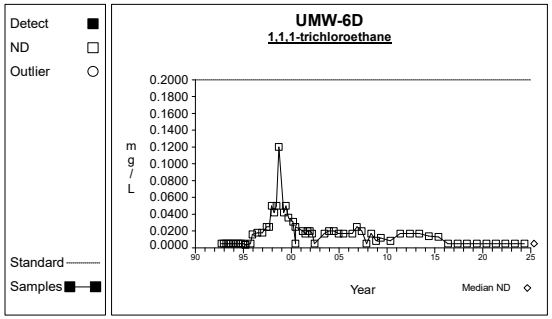
Graph 215



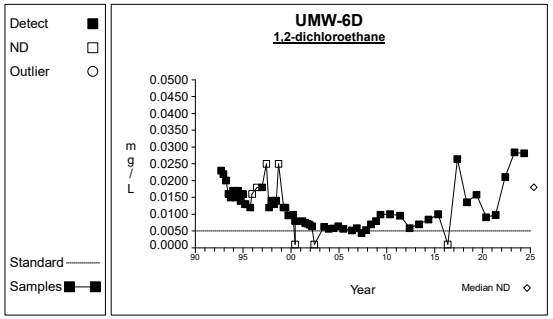
Graph 216

Prepared by: SESCO Group

Time Series



Graph 217



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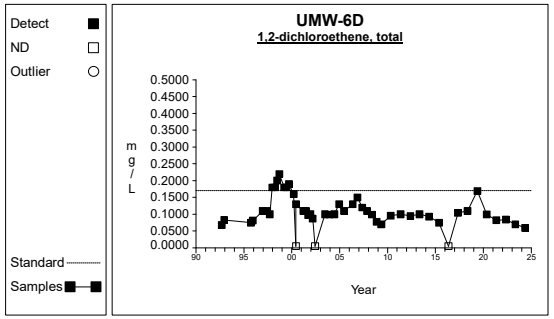

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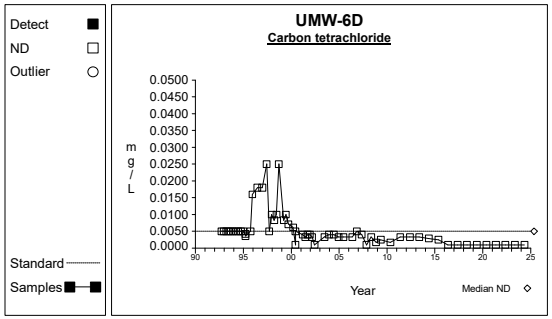
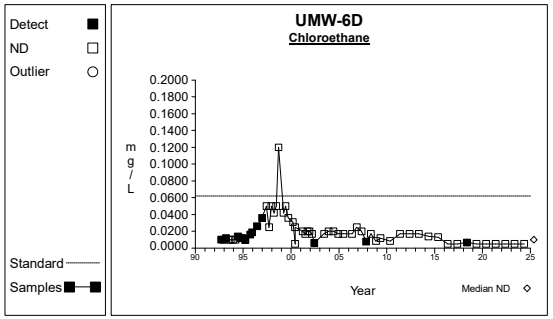


Graph 220



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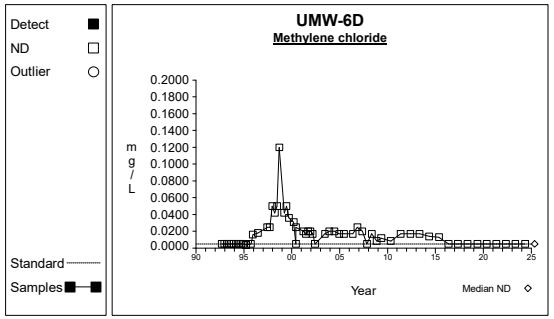

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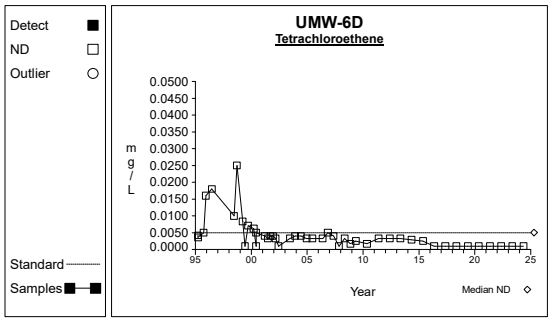

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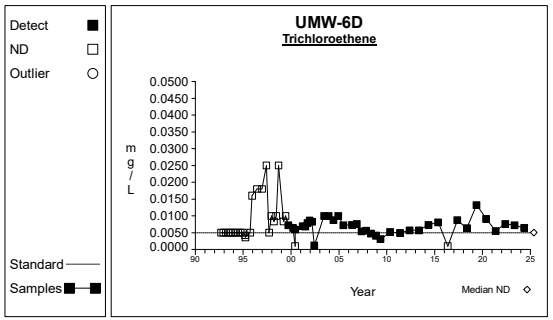

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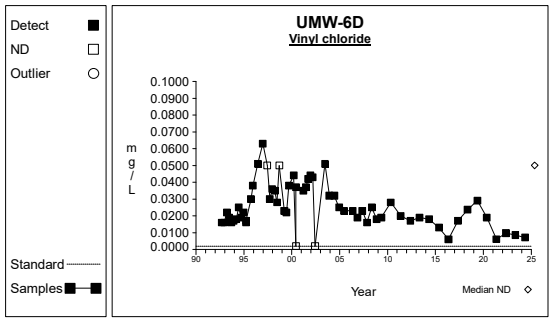
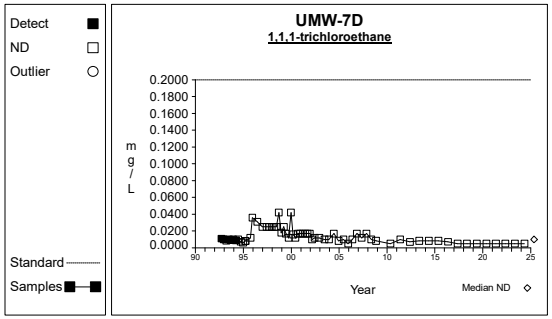


Graph 225

Prepared by: SESCO Group

Time Series



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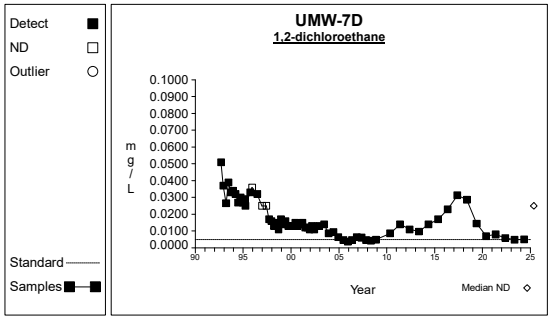
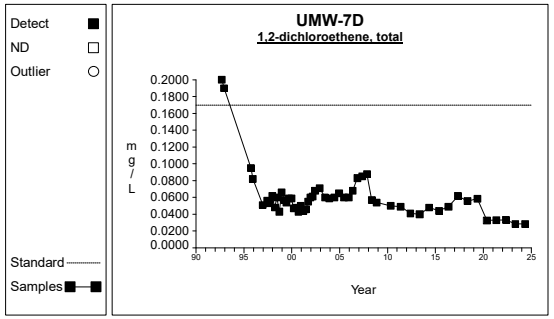


Graph 227



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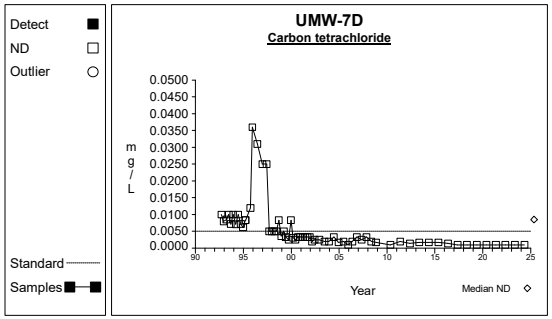
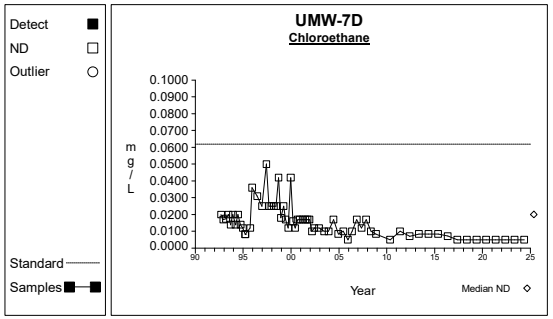


Graph 229



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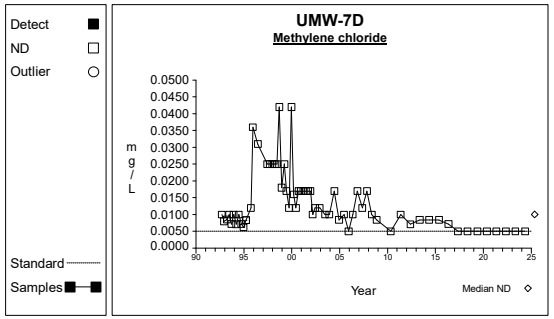

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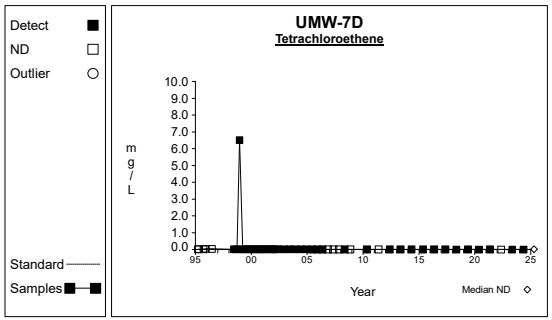
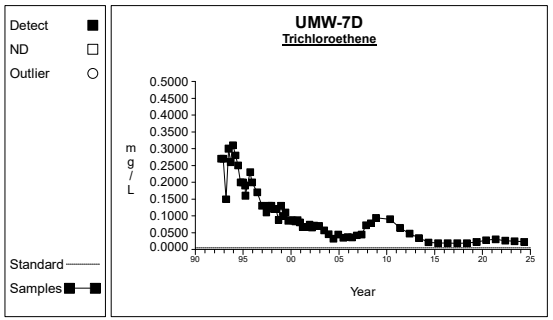


Graph 232



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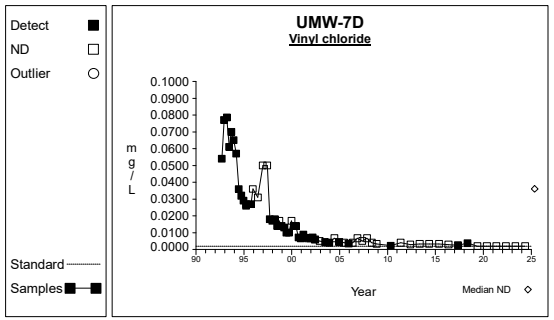
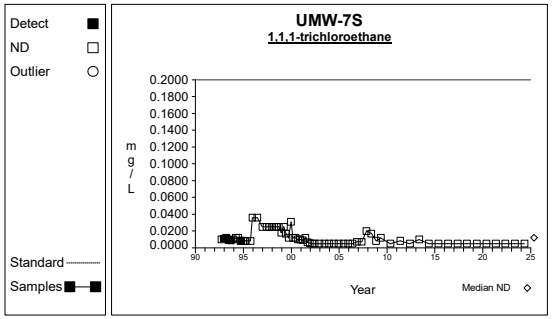


Graph 234

Time Series



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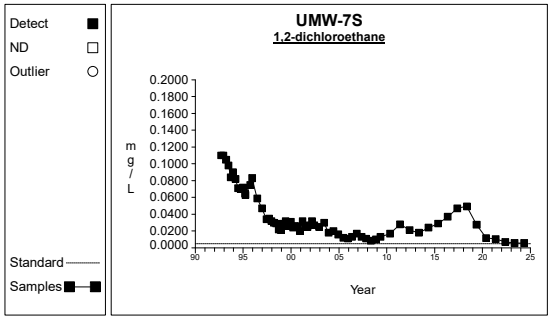
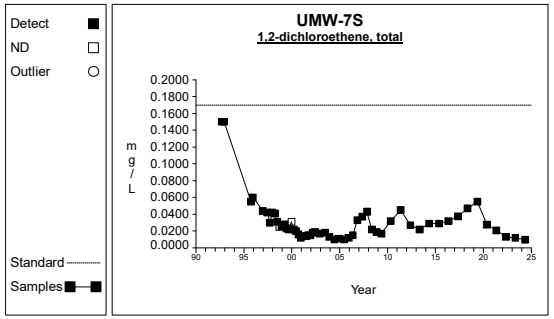


Graph 236



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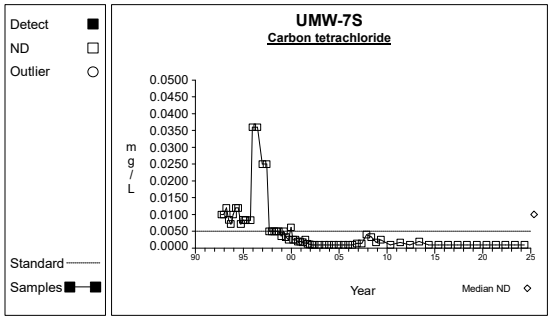

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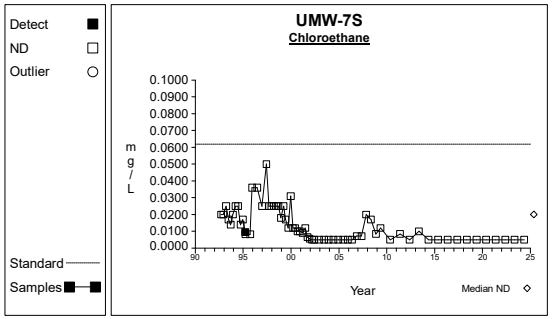

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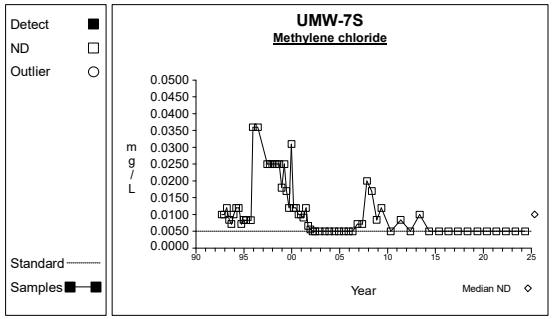

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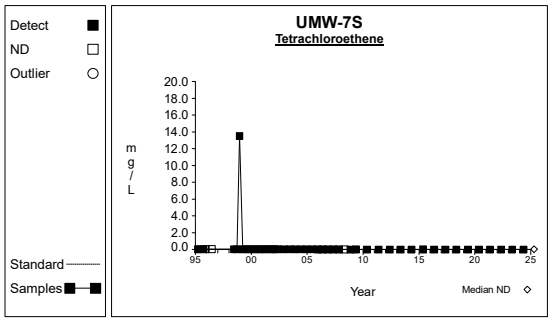

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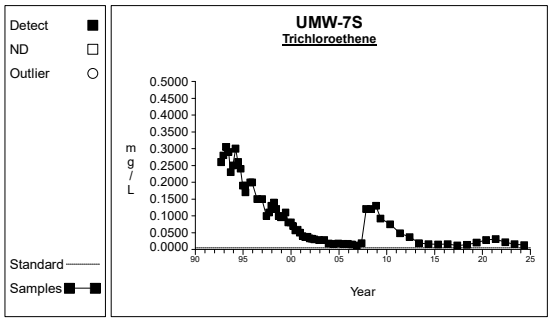

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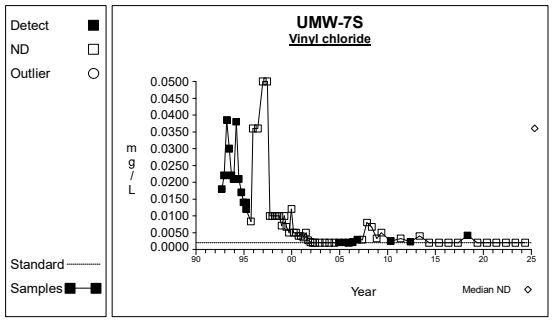
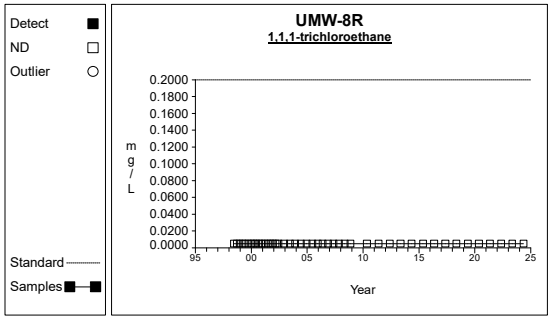


Graph 243

Prepared by: SESCO Group

Time Series



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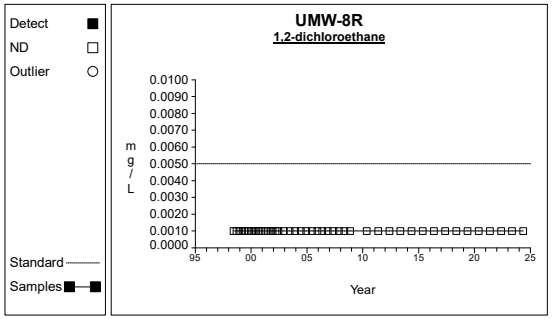

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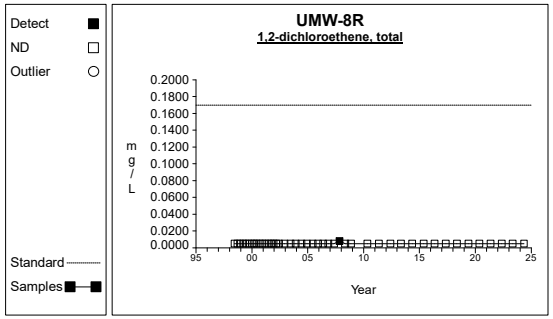

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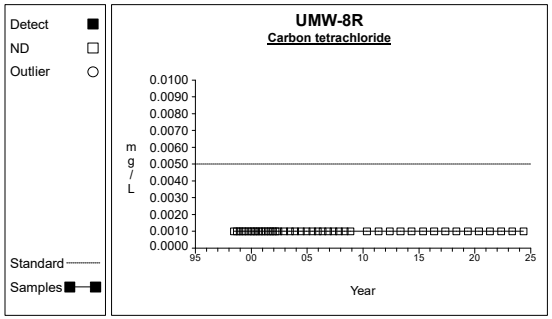

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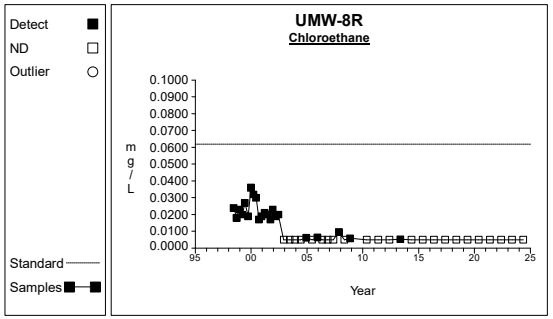

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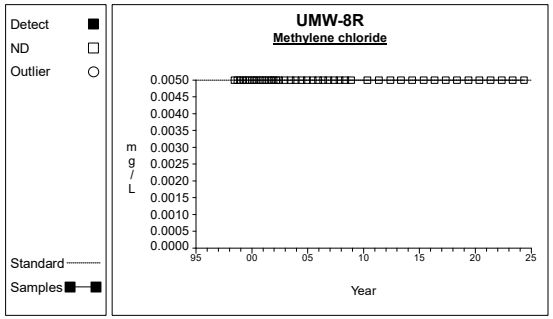

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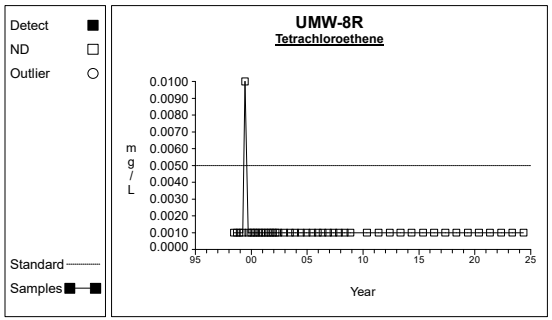
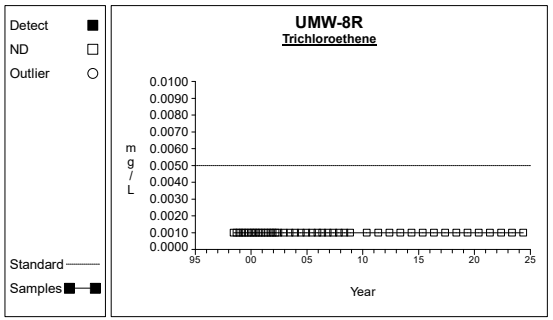
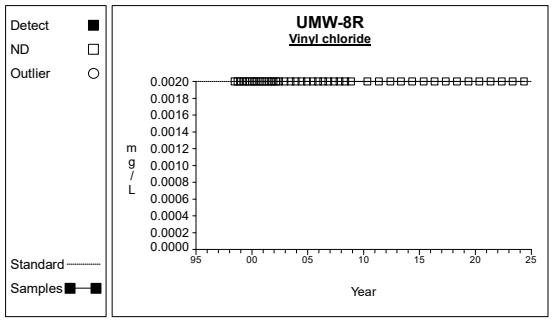


Graph 250



Graph 251



Graph 252

Prepared by: SESCO Group

APPENDIX 6

PAST ISO-CONCENTRATION MAPPING

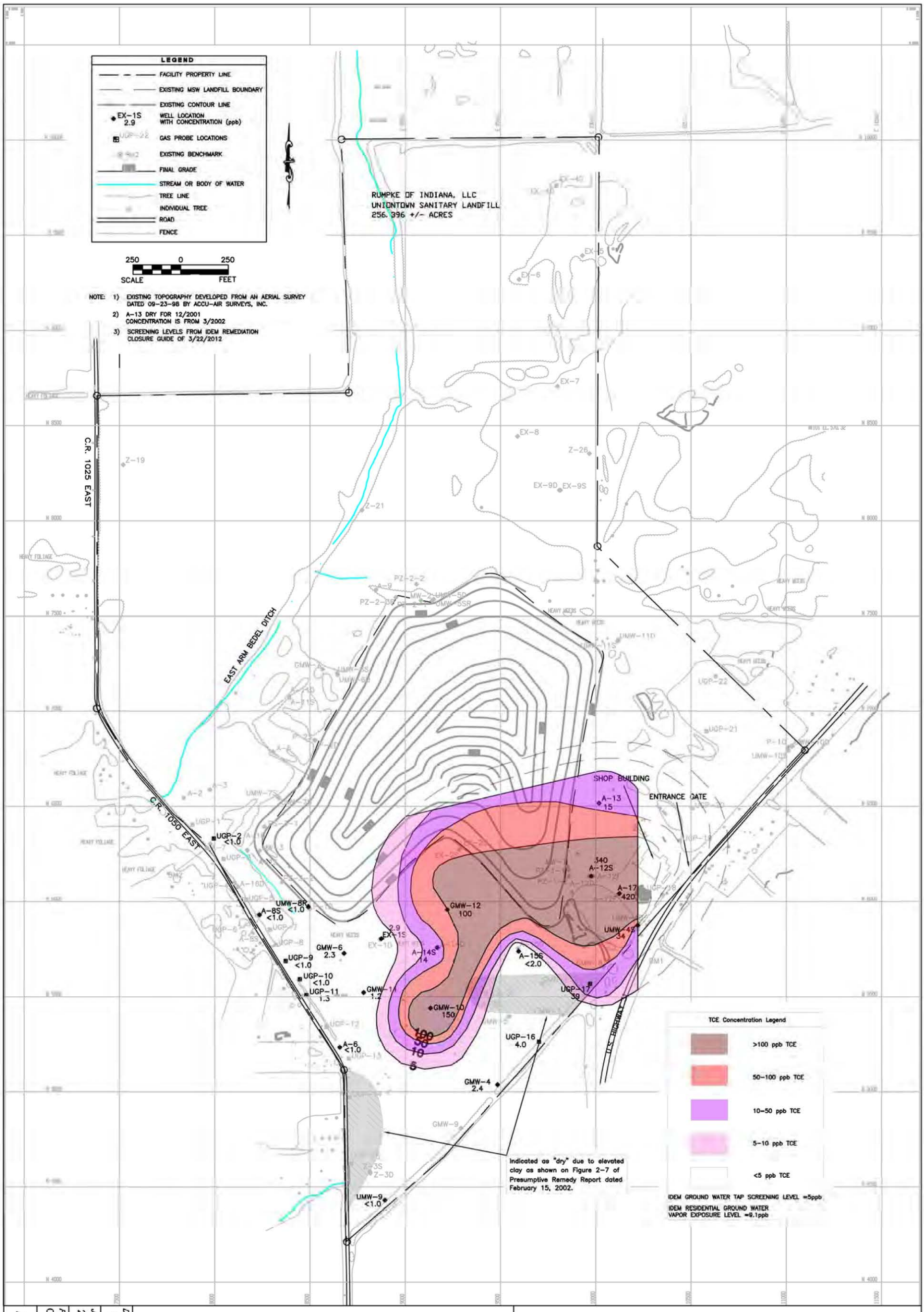


FIGURE: 1

FILE NO: 01411b062.DWG

JOB NO.: 2001-411GWP0401

DATE: August 15, 2012

UNIT II (SHALLOW) TCE Concentration Map – December 2001

PLANS PREPARED FOR
UNIONTOWN LANDFILL--RUMPKE OF INDIANA, LLC
UNIONTOWN, INDIANA

ANDREWS ENGINEERING, INC.
7172 Graham Road Suite 125, Indianapolis, Indiana 46250
(317)595-6492 Fax (317)598-9929
Pontiac, IL • Warrenville, IL • Springfield, IL

APPROVED BY:	SPR	DESIGNED BY:	SPR	DRAWN BY:	AJH

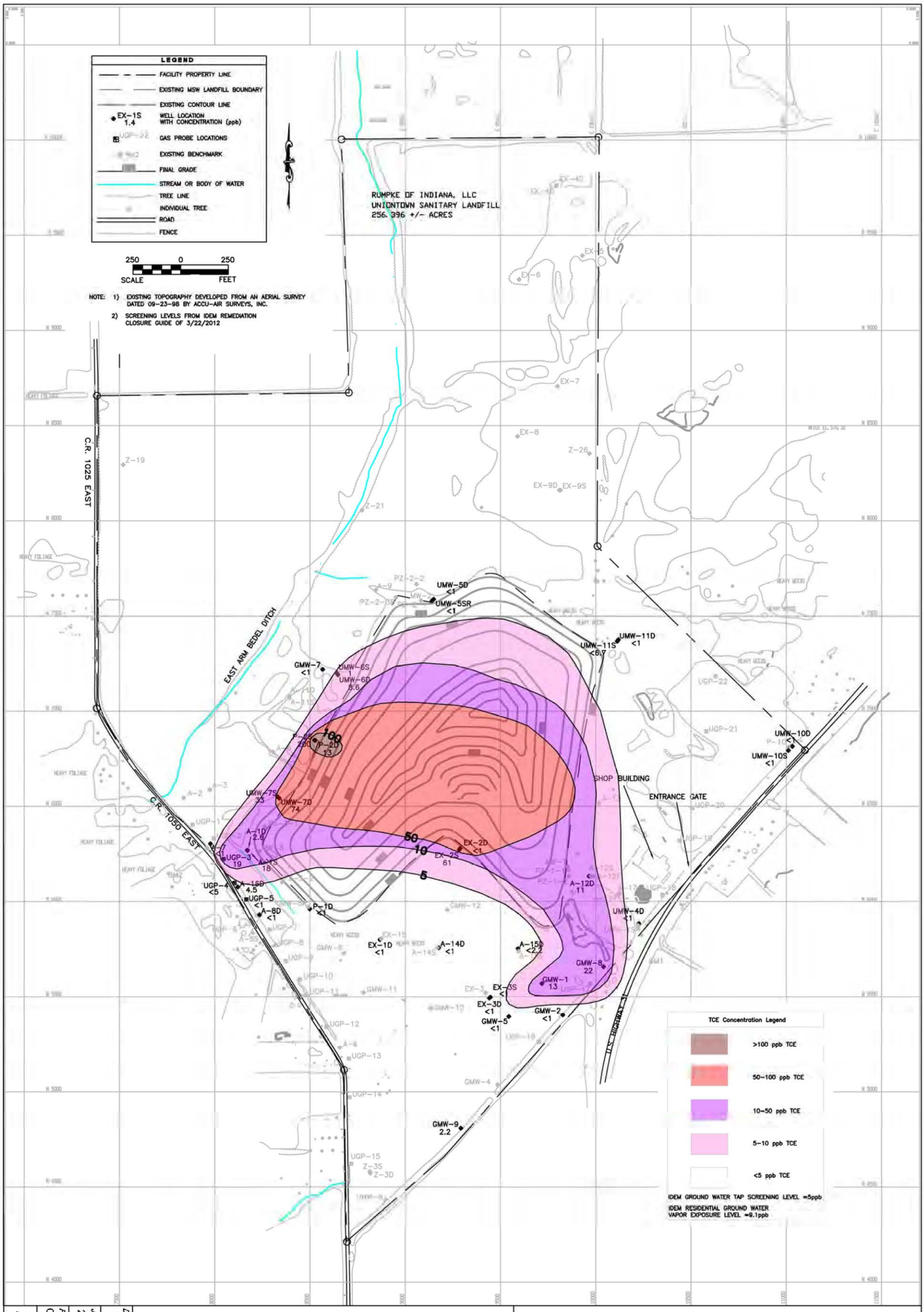


FIGURE: 1

FILE NO: 01411b066.DWG

JOB NO.: 2001-411GWP0401

DATE: August 15, 2012

UNIT I (DEEP) TCE Concentration Map – December 2001

PLANS PREPARED FOR
UNIONTOWN LANDFILL--RUMPKE OF INDIANA, LLC
UNIONTOWN, INDIANA

ANDREWS ENGINEERING, INC.
7172 Graham Road Suite 125, Indianapolis, Indiana 46250
(317)595-6492 Fax (317)598-9929
Pontiac, IL • Warrenville, IL • Springfield, IL

APPROVED BY:	SPR	DESIGNED BY:	SPR	DRAWN BY:	AJH

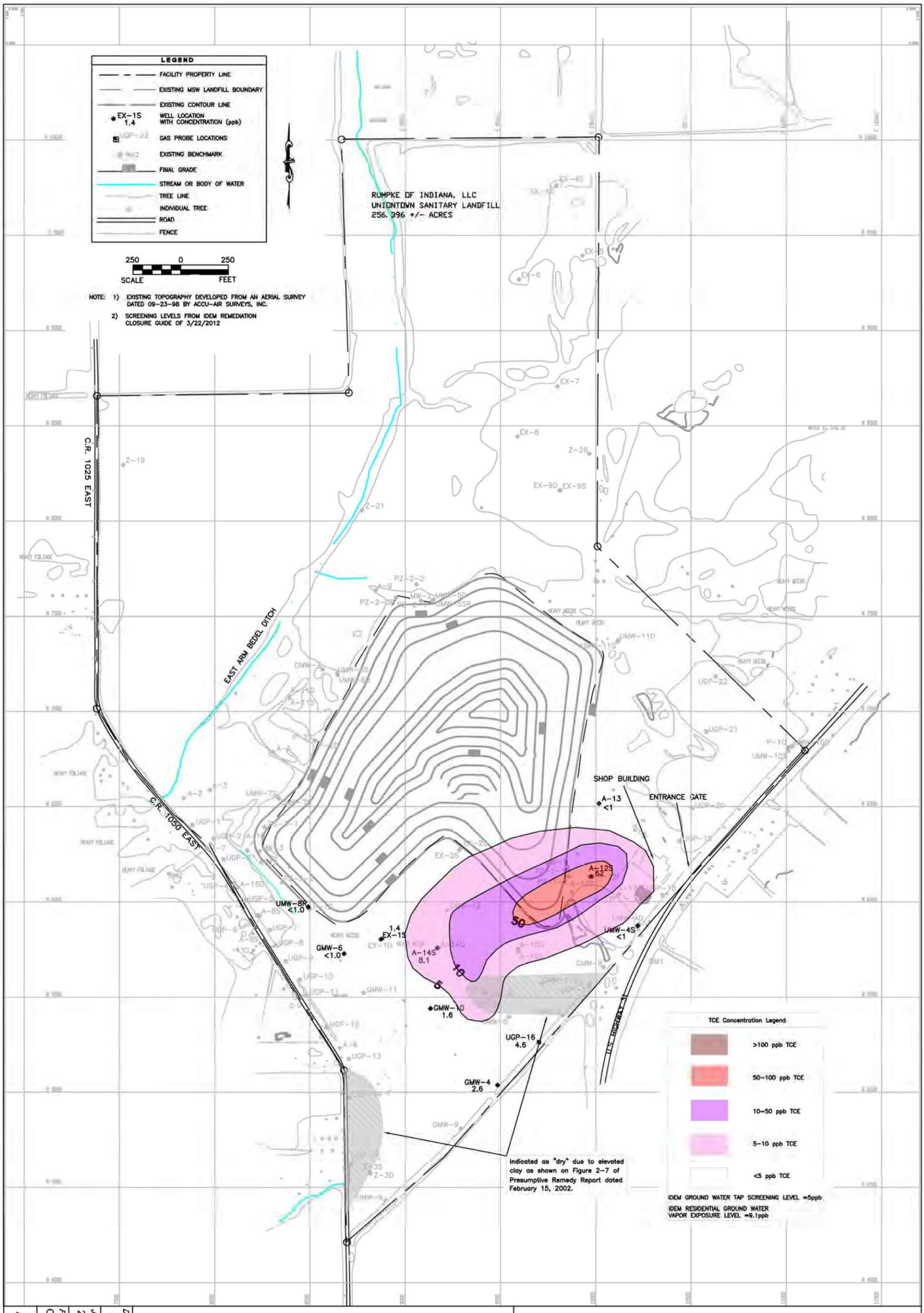


FIGURE: 1

FILE NO: 01411b064.DWG

JOB NO.: 2001-411GWP0401

DATE: August 15, 2012

UNIT II (SHALLOW) TCE Concentration Map – May 2012

PLANS PREPARED FOR
UNIONTOWN LANDFILL--RUMPKE OF INDIANA, LLC
UNIONTOWN, INDIANA

ANDREWS ENGINEERING, INC.
7172 Graham Road Suite 125, Indianapolis, Indiana 46250
(317)595-6492 Fax (317)598-9929
Pontiac, IL • Warrenville, IL • Springfield, IL

APPROVED BY: SPR | DESIGNED BY: SPR | DRAWN BY: AJH

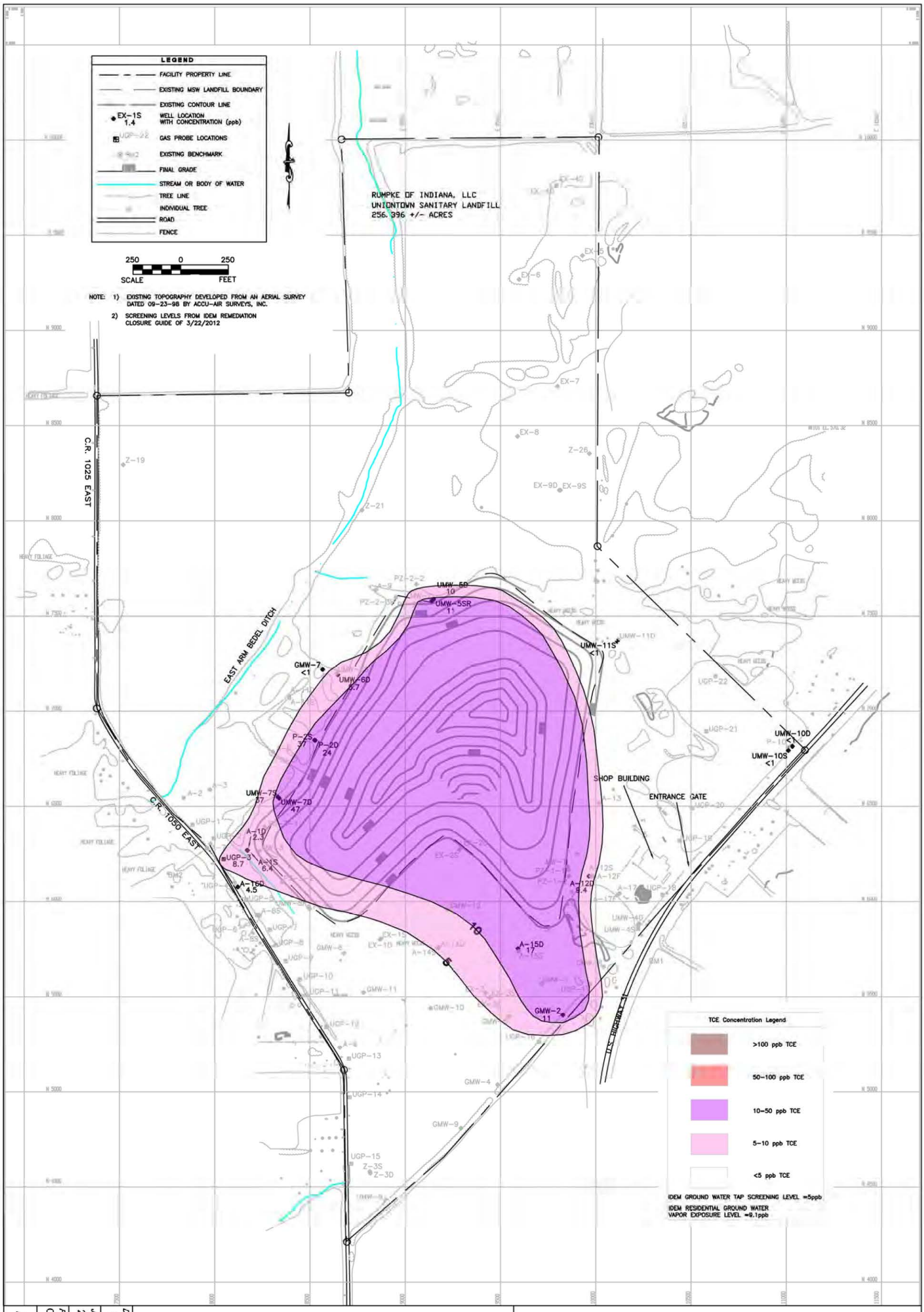


FIGURE: 1

FILE NO: 01411b065.DWG

JOB NO.: 2001-411GWP0401

DATE: August 15, 2012

UNIT I (DEEP) TCE Concentration Map – May 2012

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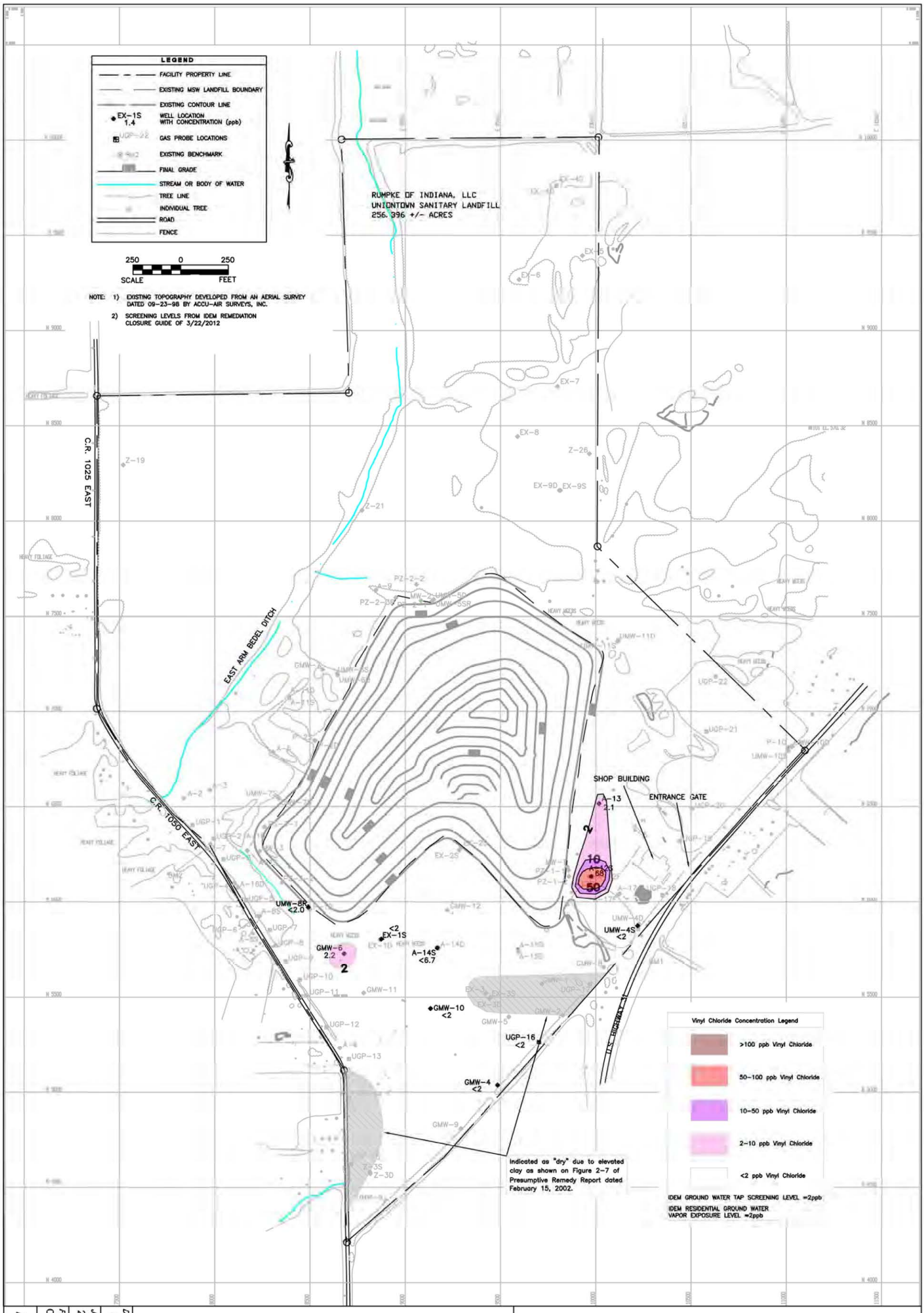

FIGURE: 1

FILE NO: 01411b068.DWG

JOB NO.: 2001-411GWP0401

DATE: August 15, 2012

UNIT II (SHALLOW) Vinyl Chloride Concentration Map – May 2012

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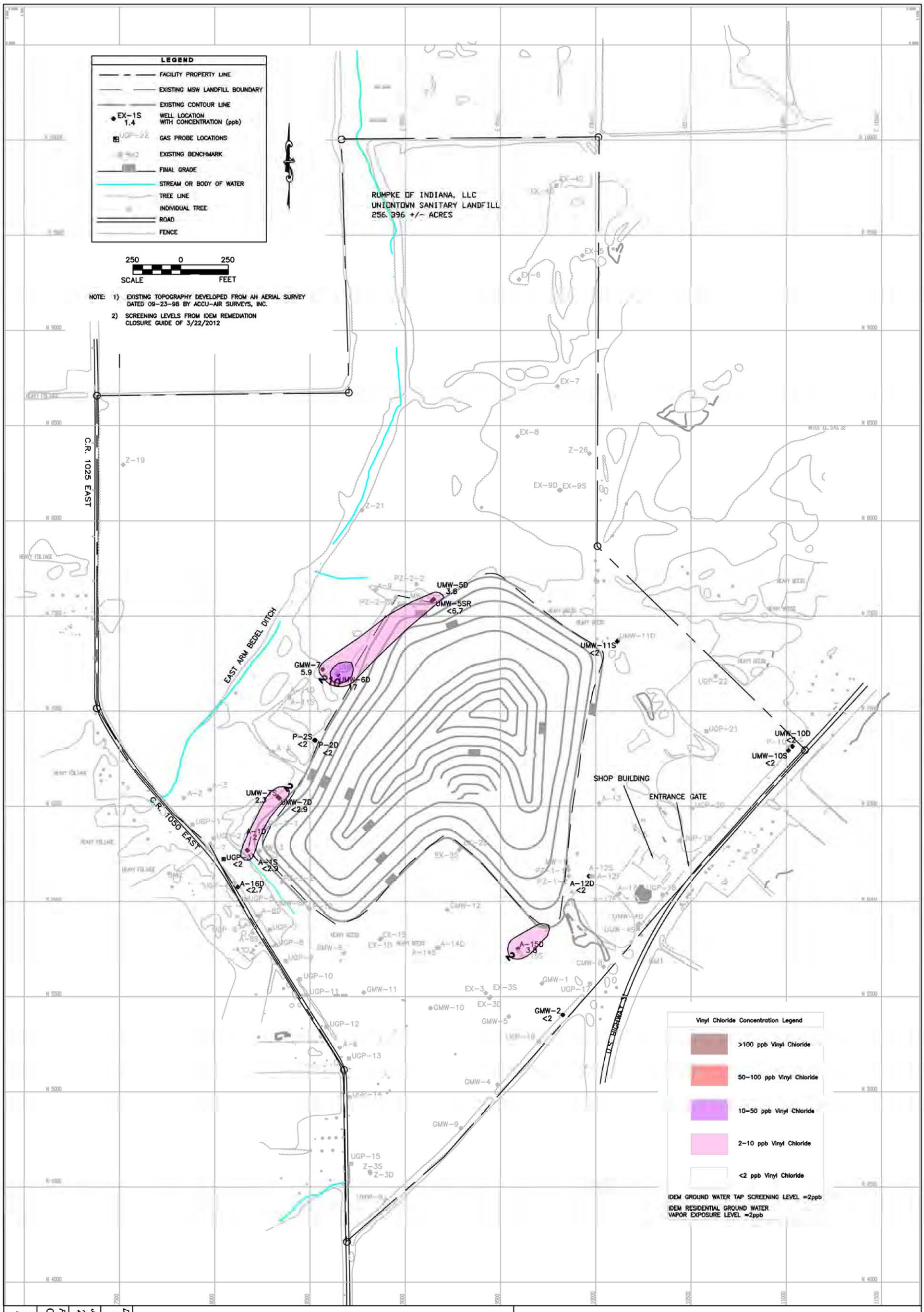

FIGURE: 1

FILE NO: 01411b067.DWG

JOB NO.: 2001-411GWP0401

DATE: August 15, 2012

UNIT I (DEEP) Vinyl Chloride Concentration Map – May 2012

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