Annual Groundwater Monitoring and Corrective Action Report

Indiana Michigan Power Company

Rockport Plant

Bottom Ash Pond CCR Management Units

Rockport, Indiana

January 31, 2021

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INDIANA MICHIGAN POWER℠

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Table of Contents

I Overview

This *Annual Groundwater Monitoring and Corrective Action Report* (Report) has been prepared to report the status of activities for the year 2020 at the bottom ash pond (BAP) CCR unit at Indiana Michigan Power Company's (I&M) Rockport Plant. The Indiana Michigan Power Company is wholly owned subsidiary of American Electric Power Company (AEP). The USEPA's CCR rules require that the Annual Groundwater Monitoring and Corrective Action Report covering 2020 groundwater monitoring activities be posted to the operating record no later than January 31, 2021.

In general, the following activities were completed:

- The BAP CCR Unit initiated an assessment monitoring program on April 15, 2018 and remained in assessment monitoring through the start and end of the current annual reporting period;
- As required by the CCR assessment monitoring rules in 40 CFR 257.95(b) and (d), three rounds of sampling to include the Appendix IV parameters and the Appendix III and detected Appendix IV parameters were performed in March, May, and November 2020. The results were compared to calculated statistical limits for the Appendix III parameters and the calculated groundwater protection standards (GWPS) for the Appendix IV parameters;
- Groundwater data underwent various validation tests, including tests for completeness, valid values, transcription errors, and consistent units;
- Analytical results of the March, May, and November rounds of sampling are listed in the tables in **Appendix 1**. Also shown are the groundwater flow rates and flow directions;
- Statistical analysis reports of the May 2020 samples are attached as **Appendix 2**. No Appendix IV parameters exceeded established groundwater protection standards during the May 2020 sampling event. The following Appendix III parameters exceeded background concentrations during the May 2020 sampling event:
    - Boron at wells MW-1002; MW-1603S; MW-1604I; MW-1604S; and MW-1605S
    - Calcium at MW-1602I and MW-1606D
    - Chloride at MW-1602D; MW-1602I; and MW-1605S
    - Fluoride at MW-1002; MW-1603S; MW-1604S
    - pH at MW-1002; MW-1604S; MW-1604D; and MW-1605S
    - Sulfate at MW-1002; MW-1602I; MW-1603S; MW-1604I; MW-1604S; MW-1605I; and MW-1605S
    - TDS at MW-1602I; MW-1604I; MW-1605I; and MW1605S
- Because an alternate source for the Appendix III SSIs could not be identified, the bottom ash pond remained in Assessment Monitoring status;
- The November 2020 data are still undergoing statistical analysis;

- A Demonstration Request pursuant to § 257.103(f)(1) was submitted to U.S. EPA on November 30, 202; and
- A statistical process in accordance with 40 CFR 257.93 to evaluate groundwater data was updated, certified, and posted to AEP's CCR website in October 2020. AEP's *Statistical Analysis Plan (*Geosyntec 2020). The statistical process was guided by USEPA's *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance* ("Unified Guidance", USEPA, 2009).

The major components of this annual report, to the extent applicable at this time, are presented in sections that follow:

- A map/aerial photograph showing the BAP CCR management units, all CCR groundwater monitoring wells, and monitoring well identification numbers (Attached as **Appendix 1**);
- All of the monitoring data collected, including the rate and direction of groundwater flow, plus a summary showing the number of samples collected per monitoring well, the dates the samples were collected, and whether the sample was collected as part of background, detection monitoring, or assessment monitoring programs (Attached as **Appendix 1**);
- Statistical comparison of monitoring data to determine if there have been significant increase over background concentrations (Attached as **Appendix 2**, where applicable);
- A discussion of whether any alternate source demonstrations were performed, and the conclusions (Attached as **Appendix 3**, where applicable);
- A summary of any transition between monitoring programs, or an alternate monitoring frequency, for example the date and circumstances for transitioning from detection monitoring to assessment monitoring, in addition to identifying the constituents detected at a statistically significant increase over background concentrations (Notices Attached as **Appendix 4**, where applicable);
- Identification of any monitoring wells that were installed, or decommissioned during the preceding year, along with a statement as to why that happened (Attached as **Appendix 5**, where applicable); and
- Other information required to be included in the annual report such as alternate source demonstration or assessment of corrective measures, if applicable.

In addition, this report summarizes key actions completed, and where applicable, describes any problems encountered and actions taken to resolve those problems. The report includes a projection of key activities for the upcoming year.

II. Groundwater Monitoring Well Locations and Identification Numbers

The CCR monitoring wells are listed as follows (S=shallow, I=intermediate, and D=deep):

- Twelve Upgradient Wells: MW-1600(S, I, D); MW-1601(S, I, D); MW-1701(S, I, D); and MW-1702(S, I, D).

- Fifteen Downgradient Wells: MW-1002, MW-1602(I, D); MW-1603(S, I, D); MW-1604(S, I, D); MW-1605(S, I, D); and MW-1606(S, I, D).

Rather than separate groundwater monitoring systems for the East and West bottom ash ponds, the groundwater network monitors both of the bottom ash ponds as a single unit as allowed by 40 CFR 257.91(d). A figure that depicts the PE-certified groundwater monitoring network, the monitoring well locations, and their corresponding identification numbers is provided in **Appendix 1**.

III. Monitoring Wells Installed or Decommissioned

There were no new groundwater monitoring wells installed or decommissioned during 2020. The network design, as summarized in the *Groundwater Monitoring Network Design Report* (2019) and as posted at the CCR website for Rockport Plant's Bottom Ash Pond, did not change. That design report, viewable on the AEP CCR web site, discusses the facility location, the hydrogeological setting, the hydrostratigraphic units, the uppermost aquifer, downgradient monitoring well locations and the upgradient monitoring well locations.

IV. Groundwater Quality Data and Static Water Elevation Data, With Flow Rates and Flow Directions

Appendix 1 contains tables showing the groundwater quality data collected during the establishment of background quality, detection and assessment monitoring. Static water elevation data from each monitoring event also are shown in **Appendix 1**, along with the groundwater velocity calculations, groundwater flow direction and potentiometric maps developed after each sampling event.

V. Groundwater Quality Data Statistical Analysis

Appendix 2 contains the statistical analysis report of the first assessment monitoring samples taken in May 2020. The following Appendix III parameters exceeded background concentrations during the May 2020 sampling event:

- Boron at wells MW-1002; MW-1603S; MW-1604I; MW-1604S; and MW-1605S
- Calcium at MW-1602I and MW-1606D
- Chloride at MW-1602D; MW-1602I; and MW-1605S
- Fluoride at MW-1002; MW-1603S; MW-1604S
- pH at MW-1002; MW-1604S; MW-1604D; and MW-1605S
- Sulfate at MW-1002; MW-1602I; MW-1603S; MW-1604I; MW-1604S; MW-1605I; and MW-1605S
- TDS at MW-1602I; MW-1604I; MW-1605I; and MW1605S

A subsequent evaluation of Appendix IV parameter concentrations concluded that there were no exceedances of Appendix IV groundwater protection standards (GWPS).

The statistical analysis of the second semi-annual sampling event will be completed within 90 days of finishing the sampling and analysis, which took place in November 2020.

VI. Alternate Source Demonstrations

An alternate source demonstration (ASD) investigation relative to past Appendix III SSIs was completed in April 2018. That demonstration concluded that the groundwater quality and Appendix III indicator parameter SSIs identified in the statistical evaluations were potentially influenced by a release from the BAP to the groundwater. An alternate source could not be identified. Therefore, an alternate source demonstration investigation was not undertaken for the 2020 exceedances of Appendix III parameters.

VII. Discussion About Transition Between Monitoring Requirements or Alternate Monitoring Frequency

Because an alternate source for the Appendix III SSIs could not be identified, an assessment monitoring program was established at Rockport's BAP complex on April 15, 2018. Assessment monitoring continued through the 2020 calendar year.

The BAP will remain in assessment monitoring unless all Appendix III and IV parameters are below background values for two consecutive monitoring events (return to detection monitoring) as prescribed by 40 CFR 257.95(e). If an Appendix IV parameter exceeds its respective GWPS due to a release from the BAP, an assessment of corrective measures will be undertaken as required by 40 CFR 257.96.

Regarding defining an alternate monitoring frequency, the groundwater velocity and monitoring well production are high enough at this facility that no modification to the semiannual assessment monitoring frequency is needed.

VIII. Other Information Required

The BAP has progressed from detection monitoring to its current status in assessment monitoring. All required information has been included in this annual groundwater monitoring report.

IX. Description of Any Problems Encountered and Actions Taken

No significant problems were encountered. The low flow sampling effort went smoothly and the schedule was met to support the annual groundwater report preparation covering the year 2020 groundwater monitoring activities.

X. A Projection of Key Activities for the Upcoming Year

Key activities for 2021 include:

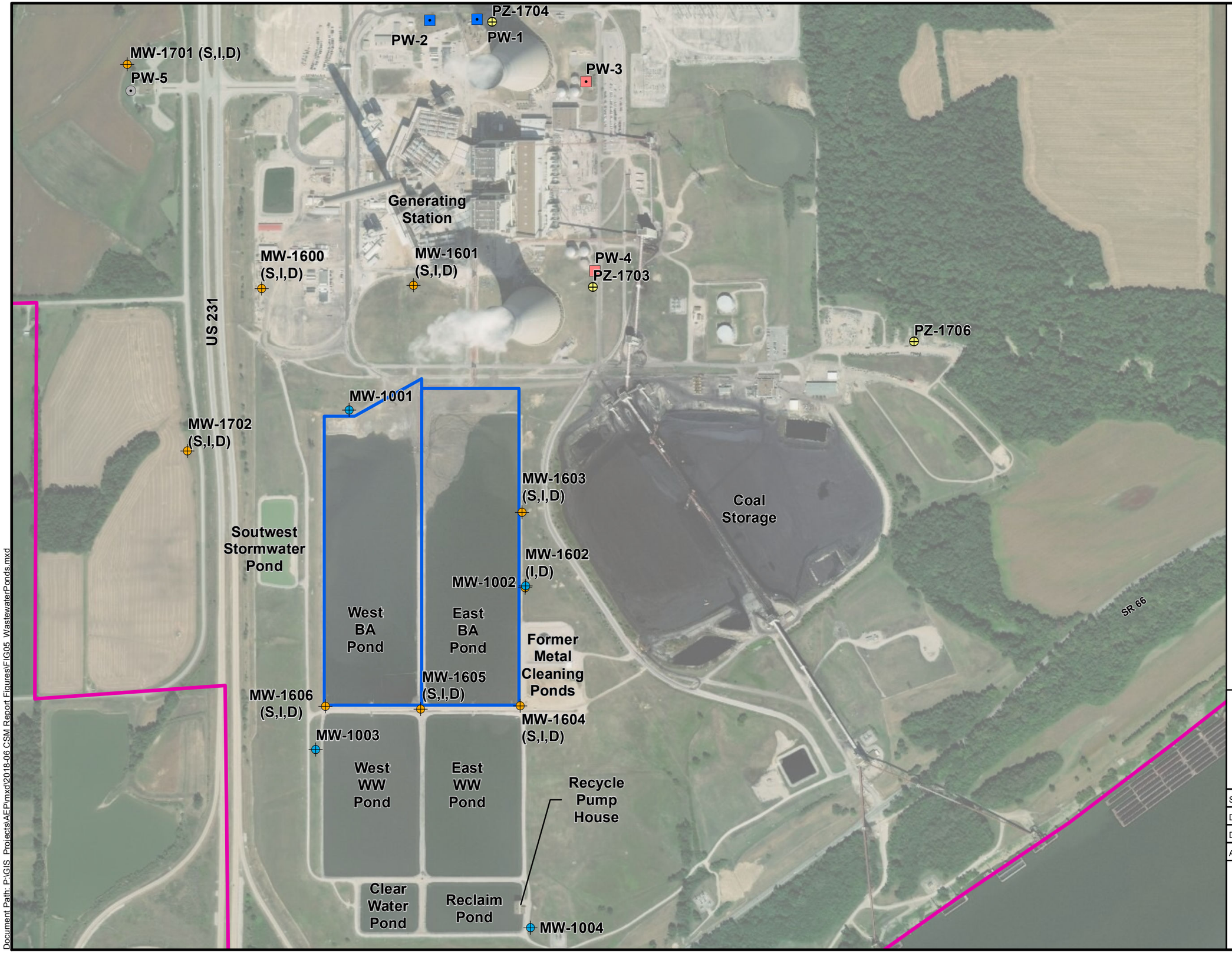
- Complete the statistical analysis of the second semi-annual sampling event that took place in November 2020.
- Continue in assessment monitoring and sample all CCR wells at the BAP for the Appendix III and IV parameters as required by 40 CFR 257.95(b) and (d).

- Perform statistical analysis on the sampling results for the Appendix III and Appendix IV parameters.
- Determine applicable GWPSs for the Appendix IV parameters, and compare the results of Appendix IV concentrations in downgradient wells to the GWPSs.
- If no GWPSs are exceeded, the BAP will remain in assessment monitoring.
- If a GWPS is exceeded in a downgradient well the following activities will be undertaken:
    - Characterize the nature and extent of a release by installing additional GW wells as necessary, estimate the quantity of material released and the concentrations of Appendix IV parameters that are in the material, and sample all wells to characterize the nature and extent of the release.
    - If contaminants have migrated off-site, notify all persons who own land that directly overlies any part of the plume of contamination.
    - Perform an alternate source demonstration (ASD) investigating whether the exceedance was caused by a source other than the BAP or was a result of an error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality.
    - If a successful ASD cannot be made, initiate an assessment of corrective measures and follow all of those requirements.
- Respond to any new data received in light of what the CCR rule requires.
- Prepare the annual groundwater report covering 2021 groundwater monitoring activities to be filed not later than January 31, 2022

APPENDIX 1 – Groundwater Data Tables and Figures

Figures and Tables follow, showing the groundwater monitoring network, data collected and the rate and direction of groundwater flow. The dates that the samples were collected and it also is shown whether the data were collected under background, detection, or assessment monitoring.

Groundwater Monitoring Network Figure



Legend

- Piezometer
- BAP - USWAG Monitoring Well
- BAP - CCR Monitoring Well
- Landfill - Monitoring Well
- Landfill - CCR Monitoring Well
- Landfill - Augmentation Water Supply Well
- Landfill - Dust Control Water Supply Well
- Plant - Potable Water Supply Well
- Plant - Fire Water Supply Well
- Inactive Water Supply Well
- Property Boundary
- Bottom Ash Ponds (BAP)

Data Sources

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Date of Photography: May-June 2016
Source of Photography: U.S. Department of Agriculture, National Agriculture Imagery Program (NAIP)

0 300 600
SCALE IN FEET

BAP Well Location Map

AEP - ROCKPORT, IN

PROJECT NUMBER: 7362172421

SCALE	1" = 600'
DATE	9/4/2018
DRAWN BY	TMR
APPROVED BY	KDR

FIG. 1

wood.
2456 Fortune Drive, Suite 100
Lexington, Kentucky 40509
Phone: (859) 255-3308

Document Path: P:\GIS_Projects\AEP\mxd\2018-06 CSM Report Figures\FIG05_WastewaterPonds.mxd

Groundwater Data Tables

Table 1 - Groundwater Data Summary: MW-1002
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	1.77	33.2	58.9	1.05	7.0	149	390
7/18/2016	Background	1.70	32.3	57.8	1.03	7.1	154	385
9/20/2016	Background	1.57	40.1	54.0	0.98	6.8	164	399
11/15/2016	Background	1.67	49.4	53.0	0.87	6.5	178	405
1/9/2017	Background	1.57	55.6	59.0	0.74	6.3	190	440
3/7/2017	Background	1.32	76.3	81.1	0.73	6.5	228	503
5/8/2017	Background	1.04	78.1	75.5	0.73	6.7	215	498
7/17/2017	Background	1.28	50.0	59.9	0.73	6.7	184	430
10/3/2017	Detection	1.63	36.4	54.4	0.80	7.1	166	403
12/12/2017	Detection	--	--	52.5	0.97	7.3	177	--
1/11/2018	Detection	1.71	--	53.2	0.91	7.0	183	--
6/5/2018	Assessment	1.66	40.8	51.4	1.02	8.1	165	425
8/15/2018	Assessment	1.88	41.3	57.4	1.02	7.2	182	453
5/24/2019	Assessment	1.61	32.9	55.9	1.13	7.4	169	435
6/27/2019	Assessment	1.82	36.0	57.1	1.10	7.1	173	425
9/12/2019	Assessment	1.78	33.5	54.7	1.03	6.7	178	418
3/11/2020	Assessment	--	--	--	0.84	6.5	--	--
5/20/2020	Assessment	0.778	42.0	35.9	0.85	5.9	97.5	295
11/16/2020	Assessment	1.43	66.7	99.4	0.84	6.2	217	551

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1002
Rockport - BAP
Appendix IV Constituents

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.05	0.32	12.3	< 0.005 U	0.02	0.3	0.830	0.1116	1.05	0.034	0.002	< 0.002 U	1.92	0.08 J	0.02 J
7/18/2016	Background	0.05	0.29	14.2	< 0.005 U	0.03	0.7	0.931	0.741	1.03	0.026	0.016	< 0.002 U	2.54	0.1 J	0.03 J
9/20/2016	Background	0.04 J	0.24	18.5	< 0.005 U	0.03	0.1	0.699	1.377	0.98	0.01 J	0.004	< 0.002 U	3.38	0.1 J	0.02 J
11/15/2016	Background	0.06	0.24	23.5	0.006 J	0.15	0.075	0.664	0.686	0.87	0.031	0.010	< 0.002 U	2.47	0.08 J	0.04 J
1/9/2017	Background	0.05 J	0.25	26.9	< 0.005 U	0.04	0.078	0.692	1.052	0.74	0.022	0.006	< 0.002 U	3.16	0.06 J	0.03 J
3/7/2017	Background	0.05	0.20	35.6	< 0.005 U	0.07	0.331	0.568	0.483	0.73	0.163	0.003	< 0.002 U	2.69	0.1 J	0.04 J
5/8/2017	Background	0.05	0.24	26.8	0.020	0.05	0.177	0.526	0.2337	0.73	0.037	0.009	0.005	2.69	0.1	0.050
7/17/2017	Background	0.04 J	0.21	21.4	< 0.004 U	0.03	0.107	0.665	3.029	0.73	0.02 J	0.009	< 0.002 U	3.05	0.07 J	0.04 J
6/5/2018	Assessment	0.07	0.44	12.7	0.004	0.03	0.04	0.768	0.569	1.02	0.031	0.011	< 0.002 U	6.19	0.06	0.03
8/15/2018	Assessment	0.05 J	0.28	13.8	< 0.004 U	0.03	0.281	0.820	--	1.02	0.02 J	< 0.0002 U	--	7.86	0.07 J	0.03 J
5/24/2019	Assessment	0.05 J	0.23	13.3	< 0.02 U	0.03 J	0.09 J	0.754	0.1886	1.13	< 0.02 U	< 0.009 U	< 0.002 U	8.67	0.05 J	< 0.1 U
6/27/2019	Assessment	0.05 J	0.24	14.8	< 0.02 U	0.03 J	0.07 J	0.805	0.682	1.10	0.03 J	< 0.009 U	< 0.002 U	10.4	0.08 J	< 0.1 U
9/12/2019	Assessment	0.05 J	0.22	15.8	< 0.02 U	0.02 J	0.469	0.635	0.384	1.03	< 0.05 U	0.00438	< 0.002 U	10.2	0.06 J	< 0.1 U
3/11/2020	Assessment	< 0.02 U	0.21	15.9	< 0.02 U	0.02 J	< 0.04 U	0.608	1.9572	0.84	< 0.05 U	0.00425	< 0.002 U	8.51	0.1 J	< 0.1 U
5/20/2020	Assessment	0.04 J	0.19	16.0	< 0.02 U	0.04 J	0.09 J	0.342	0.999	0.85	< 0.05 U	0.00316	< 0.002 U	9.65	0.07 J	< 0.1 U
11/16/2020	Assessment	0.04 J	0.25	17.9	< 0.02 U	0.02 J	0.212	0.48	1.892	0.84	< 0.05 U	0.00562	< 0.002 U	4.95	0.09 J	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1600D
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/8/2016	Background	0.016	83.5	31.5	0.20	7.6	43.9	444
7/19/2016	Background	0.015	74.9	32.2	0.22	7.2	44.9	413
9/19/2016	Background	< 0.002 U	85.6	30.9	0.20	7.1	38.7	385
11/16/2016	Background	0.024	83.1	30.9	0.17	7.2	35.9	415
1/10/2017	Background	0.014	87.8	31.0	0.22	7.1	42.5	384
3/7/2017	Background	0.036	84.9	31.6	0.19	7.0	39.2	374
5/8/2017	Background	0.037	89.1	32.6	0.21	6.5	38.4	402
7/17/2017	Background	0.038	73.6	31.6	0.17	6.5	40.1	389
10/3/2017	Detection	0.040	78.3	31.5	0.20	7.3	40.8	398
12/12/2017	Detection	--	--	31.5	0.2	7.1	42.5	--
6/4/2018	Assessment	0.079	83.5	32.8	0.23	7.3	39.2	397
8/14/2018	Assessment	0.085	86.6	31.5	0.24	7.1	41.0	400
5/20/2019	Assessment	< 0.02 U	76.5	31.4	0.21	7.2	43.0	394
6/25/2019	Assessment	0.03 J	84.2	31.0	0.22	7.1	37.7	407
9/10/2019	Assessment	< 0.02 U	90.1	31.1	0.23	7.2	41.3	404
3/11/2020	Assessment	--	--	--	0.21	6.9	--	--
5/21/2020	Assessment	< 0.02 U	91.1	31.0	0.24	7.6	43.3	396
11/12/2020	Assessment	< 0.02 U	81.5	30.3	0.25	6.6	42.4	398

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1600D
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/8/2016	Background	0.01 J	15.4	940	0.006 J	< 0.004 U	0.2	0.109	2.148	0.20	0.095	< 0.0002 U	< 0.002 U	1.94	< 0.03 U	0.01 J
7/19/2016	Background	0.02 J	17.2	946	0.005 J	< 0.004 U	0.2	0.094	1.615	0.22	0.021	0.020	< 0.002 U	2.19	0.05 J	0.054
9/19/2016	Background	0.01 J	15.1	910	< 0.005 U	< 0.004 U	0.9	0.071	1.636	0.20	0.020	0.011	< 0.002 U	1.75	< 0.03 U	0.01 J
11/16/2016	Background	< 0.01 U	15.8	997	< 0.005 U	< 0.004 U	0.128	0.085	1.402	0.17	0.064	0.008	< 0.002 U	1.79	0.04 J	< 0.01 U
1/10/2017	Background	< 0.01 U	15.2	877	< 0.005 U	< 0.004 U	0.115	0.100	2.265	0.22	0.053	0.009	< 0.002 U	1.65	< 0.03 U	< 0.01 U
3/7/2017	Background	< 0.01 U	16.2	986	< 0.005 U	< 0.004 U	0.427	0.081	1.322	0.19	0.038	0.008	< 0.002 U	1.78	0.05 J	< 0.01 U
5/8/2017	Background	0.05	15.9	914	0.020	0.02	0.170	0.096	1.104	0.21	0.073	0.006	0.005	1.64	0.1	0.050
7/17/2017	Background	0.03 J	15.0	817	0.004 J	< 0.005 U	0.180	0.112	2.223	0.17	0.076	0.009	< 0.002 U	1.56	0.04 J	< 0.01 U
6/4/2018	Assessment	0.02 J	13.8	766	0.01 J	0.02 J	0.112	0.297	0.833	0.23	0.102	0.009	< 0.002 U	1.62	< 0.03 U	0.02 J
8/14/2018	Assessment	< 0.01 U	15.1	840	< 0.004 U	< 0.005 U	0.073	0.079	2.858	0.24	0.023	0.004	--	1.62	< 0.03 U	< 0.01 U
5/20/2019	Assessment	< 0.02 U	20.3	873	< 0.02 U	0.08	0.274	0.176	1.948	0.21	0.238	< 0.009 U	< 0.002 U	2 J	< 0.03 U	< 0.1 U
6/25/2019	Assessment	< 0.02 U	16.6	867	< 0.02 U	< 0.01 U	0.1 J	0.146	1.121	0.22	0.135	0.01 J	< 0.002 U	2 J	0.05 J	< 0.1 U
9/10/2019	Assessment	< 0.02 U	16.1	884	< 0.02 U	< 0.01 U	0.2 J	0.132	1.621	0.23	0.1 J	0.00627	< 0.002 U	2 J	< 0.03 U	< 0.1 U
3/11/2020	Assessment	< 0.02 U	15.3	880	< 0.02 U	< 0.01 U	0.2 J	0.081	2.377	0.21	< 0.05 U	0.00573	< 0.002 U	2 J	< 0.03 U	< 0.1 U
5/21/2020	Assessment	< 0.02 U	25.3	882	< 0.02 U	< 0.01 U	0.1 J	0.090	1.462	0.24	0.06 J	0.00535	< 0.002 U	2 J	0.06 J	< 0.1 U
11/12/2020	Assessment	< 0.02 U	15.8	828	< 0.02 U	< 0.01 U	0.2 J	0.072	1.593	0.25	< 0.05 U	0.0057	< 0.002 U	2 J	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1600I
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/8/2016	Background	0.019	79.2	33.5	0.23	--	52.2	442
7/19/2016	Background	0.019	76.0	26.7	0.23	7.3	55.3	423
9/19/2016	Background	0.004 J	77.6	24.9	0.21	7.2	48.4	404
11/16/2016	Background	0.031	76.0	24.5	0.17	7.2	44.5	408
1/10/2017	Background	0.016	76.5	23.7	0.19	7.1	45.8	394
3/7/2017	Background	0.049	75.5	26.4	0.20	7.2	49.2	392
5/8/2017	Background	0.033	80.2	25.0	0.22	6.8	48.5	406
7/17/2017	Background	0.046	71.5	24.4	0.17	9.3	48.0	398
10/3/2017	Detection	0.051	71.1	24.4	0.21	7.3	50.7	400
12/12/2017	Detection	--	--	24.7	0.21	--	52.4	--
6/4/2018	Assessment	0.046	72.8	25.4	0.24	7.5	50	396
8/14/2018	Assessment	0.057	78.6	25.6	0.25	7.1	50.3	426
5/21/2019	Assessment	0.03 J	71.0	25.4	0.22	7.3	52.8	411
6/25/2019	Assessment	0.02 J	76.0	25.0	0.23	7.1	46.7	401
9/10/2019	Assessment	0.02 J	81.1	25.6	0.24	7.2	50.8	404
3/11/2020	Assessment	--	--	--	0.22	6.9	--	--
5/21/2020	Assessment	0.02 J	82.5	25.7	0.25	7.1	51.8	406
11/12/2020	Assessment	< 0.02 U	72.7	24.6	0.26	6.7	49.9	392

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1600I
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/8/2016	Background	0.05 J	15.9	832	< 0.005 U	0.005 J	0.4	1.27	7.25	0.23	0.107	0.003	< 0.002 U	1.68	< 0.03 U	0.02 J
7/19/2016	Background	0.03 J	17.9	805	< 0.005 U	< 0.004 U	0.3	1.38	1.902	0.23	0.099	0.010	< 0.002 U	1.83	0.03 J	< 0.01 U
9/19/2016	Background	0.03 J	16.0	778	< 0.005 U	0.01 J	0.2	1.13	1.55	0.21	0.037	0.010	< 0.002 U	1.89	0.06 J	0.065
11/16/2016	Background	0.03 J	16.3	801	< 0.005 U	0.01 J	0.081	1.14	2.47	0.17	0.01 J	0.013	< 0.002 U	1.63	< 0.03 U	0.02 J
1/10/2017	Background	0.02 J	16.7	736	< 0.005 U	< 0.004 U	0.158	1.20	0.9137	0.19	0.006 J	0.005	< 0.002 U	1.64	< 0.03 U	0.02 J
3/7/2017	Background	0.02 J	16.8	696	< 0.005 U	0.02 J	0.270	1.13	1.624	0.20	0.054	0.005	< 0.002 U	1.67	0.04 J	0.03 J
5/8/2017	Background	0.05	17.0	762	0.020	0.02	0.095	1.26	1.75	0.22	0.020	0.011	0.005	1.54	0.1	0.050
7/17/2017	Background	0.02 J	16.8	710	< 0.004 U	< 0.005 U	0.397	1.27	2.009	0.17	0.108	0.010	< 0.002 U	1.53	< 0.03 U	0.02 J
6/4/2018	Assessment	0.04 J	20.6	820	< 0.004 U	< 0.005 U	0.061	1.48	2.59	0.24	0.02 J	0.012	< 0.002 U	1.98	< 0.03 U	0.03 J
8/14/2018	Assessment	0.02 J	17.5	726	< 0.004 U	< 0.005 U	0.087	1.29	1.797	0.25	0.025	0.007	--	1.64	< 0.03 U	0.03 J
5/20/2019	Assessment	< 0.02 U	17.7	737	< 0.02 U	< 0.01 U	0.1 J	1.24	1.988	0.22	< 0.02 U	< 0.009 U	< 0.002 U	2 J	< 0.03 U	< 0.1 U
6/25/2019	Assessment	< 0.02 U	17.2	740	< 0.02 U	< 0.01 U	< 0.04 U	1.23	2.301	0.23	< 0.02 U	0.009 J	< 0.002 U	2 J	< 0.03 U	< 0.1 U
9/10/2019	Assessment	< 0.02 U	16.9	722	< 0.02 U	< 0.01 U	0.1 J	1.29	1.22	0.24	< 0.05 U	0.00720	< 0.002 U	2 J	< 0.03 U	< 0.1 U
3/11/2020	Assessment	< 0.02 U	16.8	715	< 0.02 U	0.01 J	0.2 J	1.22	2.22	0.22	0.1 J	0.00677	< 0.002 U	1 J	< 0.03 U	< 0.1 U
5/21/2020	Assessment	0.03 J	17.9	707	< 0.02 U	0.08	0.205	1.32	2.9	0.25	0.201	0.00643	< 0.002 U	2 J	< 0.03 U	< 0.1 U
11/12/2020	Assessment	< 0.02 U	18.9	698	< 0.02 U	< 0.01 U	0.216	1.26	1.734	0.26	< 0.05 U	0.00656	< 0.002 U	2 J	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1600S
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/8/2016	Background	0.045	69.8	32.0	0.33	6.6	75.8	491
7/19/2016	Background	0.045	67.0	29.9	0.34	6.8	76.0	448
9/19/2016	Background	0.026	63.2	21.3	0.32	6.4	60.8	408
11/16/2016	Background	0.061	63.5	27.1	0.28	6.8	54.4	426
1/10/2017	Background	0.034	68.5	23.7	0.32	6.5	53.1	433
3/7/2017	Background	0.129	63.2	25.0	0.37	6.8	58.5	402
5/8/2017	Background	0.039	69.0	26.0	0.40	6.6	54.6	427
7/17/2017	Background	0.068	58.0	18.0	0.36	9.5	41.0	393
10/3/2017	Detection	0.049	61.4	27.8	0.37	6.8	54.9	430
12/13/2017	Detection	--	--	36.1	0.36	6.7	68	--
6/4/2018	Assessment	0.076	60.9	36.5	0.56	7.3	41.3	412
8/15/2018	Assessment	0.088	63.7	44.9	0.51	7.0	42.3	416
5/21/2019	Assessment	0.05 J	57.4	27.9	0.44	6.9	57.4	423
6/25/2019	Assessment	0.05 J	62.7	21.4	0.47	6.8	40.9	398
9/10/2019	Assessment	0.04 J	64.8	23.9	0.46	6.9	45.0	383
3/11/2020	Assessment	--	--	--	0.42	6.5	--	--
5/21/2020	Assessment	0.04 J	66.6	30.7	0.45	7.2	53.8	412
11/12/2020	Assessment	0.04 J	59.6	24.6	0.4	6.5	60.4	397

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1600S
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/8/2016	Background	0.02 J	0.67	36.1	< 0.005 U	0.02 J	0.2	0.243	0.149	0.33	0.118	0.003	0.002 J	0.61	0.5	< 0.01 U
7/19/2016	Background	0.02 J	0.67	37.9	< 0.005 U	0.02 J	0.4	0.099	0.52826	0.34	0.048	0.038	< 0.002 U	0.56	0.3	0.01 J
9/19/2016	Background	0.02 J	0.58	30.9	< 0.005 U	0.01 J	0.2	0.129	0.0715	0.32	0.087	0.019	< 0.002 U	0.56	0.3	0.02 J
11/16/2016	Background	0.04 J	0.75	32.9	0.008 J	0.03	0.284	0.690	0.505	0.28	0.360	0.024	< 0.002 U	0.64	0.4	0.04 J
1/10/2017	Background	0.02 J	0.65	29.3	0.006 J	0.01 J	0.892	0.306	1.8182	0.32	0.151	0.016	< 0.002 U	0.60	0.4	0.01 J
3/7/2017	Background	0.03 J	0.70	30.5	0.008 J	0.02 J	0.459	0.587	1.697	0.37	0.319	0.013	< 0.002 U	0.66	0.5	0.01 J
5/8/2017	Background	0.05	0.65	26.9	0.020	0.02	0.163	0.398	0.305	0.40	0.195	0.019	0.005	0.56	0.5	0.050
7/17/2017	Background	0.02 J	0.61	26.1	0.006 J	0.02 J	0.302	0.441	0.117	0.36	0.233	0.019	< 0.002 U	0.74	0.5	0.02 J
6/4/2018	Assessment	0.03 J	0.49	22.7	0.005 J	0.01 J	0.109	0.128	1.573	0.56	0.069	0.019	< 0.002 U	0.72	0.5	0.02 J
8/15/2018	Assessment	0.02 J	0.45	23.7	< 0.004 U	0.01 J	0.277	0.105	0.646	0.51	0.053	0.014	--	0.65	0.4	0.02 J
5/21/2019	Assessment	0.03 J	0.50	26.7	< 0.02 U	0.01 J	1.34	0.127	0.6234	0.44	0.07 J	0.01 J	< 0.002 U	0.7 J	0.6	< 0.1 U
6/25/2019	Assessment	< 0.02 U	0.48	22.0	< 0.02 U	0.01 J	0.08 J	0.193	0.528	0.47	0.09 J	0.03 J	< 0.002 U	0.5 J	0.4	< 0.1 U
9/10/2019	Assessment	< 0.02 U	0.46	21.9	< 0.02 U	0.01 J	0.2 J	0.149	0.2093	0.46	0.08 J	0.0126	< 0.002 U	0.6 J	0.5	< 0.1 U
3/11/2020	Assessment	< 0.02 U	0.40	22.1	< 0.02 U	< 0.01 U	0.1 J	0.04 J	0.2165	0.42	< 0.05 U	0.0126	< 0.002 U	0.5 J	0.4	< 0.1 U
5/21/2020	Assessment	0.02 J	0.40	23.2	< 0.02 U	0.09	0.2 J	0.05 J	0.662	0.45	< 0.05 U	0.0135	< 0.002 U	0.4 J	0.4	< 0.1 U
11/12/2020	Assessment	0.04 J	0.4	23.2	< 0.02 U	0.01 J	0.342	0.03 J	0.9926	0.4	< 0.05 U	0.0144	< 0.002 U	< 0.4 U	0.7	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1601D
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/27/2016	Background	0.038	79.7	21.8	0.22	7.5	21.9	460
7/19/2016	Background	0.035	89.0	18.9	0.22	7.4	18.9	412
9/20/2016	Background	0.026	87.0	22.6	0.17	7.2	20.4	410
11/16/2016	Background	0.035	89.5	21.8	0.15	7.4	18.0	413
1/10/2017	Background	0.029	90.7	19.5	0.19	6.8	20.3	407
3/7/2017	Background	0.055	85.2	28.7	0.17	7.1	25.4	392
5/9/2017	Background	0.038	90.8	22.5	0.17	6.7	21.3	399
7/17/2017	Background	0.090	77.7	21.3	0.17	6.8	21.4	393
10/4/2017	Detection	0.044	86.8	17.9	0.16	7.3	18.8	390
12/12/2017	Detection	--	--	18.8	0.16	7.2	20.2	--
6/5/2018	Assessment	0.075	87.6	23.8	0.19	6.4	25	393
8/15/2018	Assessment	0.122	86.5	19.4	0.17	7.3	19.6	418
5/24/2019	Assessment	0.03 J	85.4	23.6	0.19	7.1	24.9	414
6/26/2019	Assessment	0.04 J	85.9	18.7	0.16	7.2	22.9	409
9/9/2019	Assessment	0.03 J	84.4	19.9	0.18	7.2	18.2	404
3/11/2020	Assessment	--	--	--	0.17	6.9	--	--
5/21/2020	Assessment	0.02 J	88.5	32.4	0.20	7.1	41.3	409
11/16/2020	Assessment	0.03 J	85	18.6	0.18	6.2	19.1	409

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1601D
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/27/2016	Background	0.03 J	6.04	491	0.024	0.12	0.8	1.36	1.116	0.22	1.05	0.003	< 0.002 U	2.54	0.1	0.01 J
7/19/2016	Background	0.02 J	8.20	540	< 0.005 U	0.01 J	0.4	0.502	2.248	0.22	0.031	0.005	< 0.002 U	3.96	0.07 J	0.055
9/20/2016	Background	0.01 J	8.59	602	< 0.005 U	< 0.004 U	0.2	0.224	1.732	0.17	0.01 J	< 0.0002 U	< 0.002 U	3.08	< 0.03 U	< 0.01 U
11/16/2016	Background	0.02 J	9.20	616	< 0.005 U	0.01 J	0.089	0.174	0.946	0.15	0.022	0.015	< 0.002 U	3.14	< 0.03 U	0.04 J
1/10/2017	Background	< 0.01 U	8.95	527	< 0.005 U	< 0.004 U	0.293	0.197	1.929	0.19	0.006 J	0.004	< 0.002 U	3.10	< 0.03 U	< 0.01 U
3/7/2017	Background	< 0.01 U	9.32	582	< 0.005 U	< 0.004 U	0.417	0.148	0.868	0.17	0.021	0.004	< 0.002 U	2.66	< 0.03 U	< 0.01 U
5/9/2017	Background	0.05	9.47	583	0.020	0.02	0.121	0.152	0.983	0.17	0.026	0.008	0.005	2.84	0.1	0.050
7/17/2017	Background	< 0.01 U	9.38	532	< 0.004 U	0.006 J	0.129	0.103	3.139	0.17	0.031	0.006	< 0.002 U	2.67	< 0.03 U	< 0.01 U
6/5/2018	Assessment	0.03 J	11.4	552	< 0.004 U	< 0.005 U	0.055	0.149	2.095	0.19	0.022	0.007	< 0.002 U	3.34	< 0.03 U	< 0.01 U
8/15/2018	Assessment	0.02 J	10.3	540	< 0.004 U	0.01 J	0.387	0.120	--	0.17	0.084	< 0.0002 U	--	3.11	< 0.03 U	0.02 J
5/24/2019	Assessment	< 0.02 U	10.3	638	< 0.02 U	< 0.01 U	0.06 J	0.090	0.977	0.19	< 0.02 U	0.01 J	< 0.002 U	2.63	0.03 J	< 0.1 U
6/26/2019	Assessment	< 0.02 U	9.80	542	< 0.02 U	< 0.01 U	0.07 J	0.075	0.986	0.16	0.02 J	0.02 J	< 0.002 U	2.94	< 0.03 U	< 0.1 U
9/9/2019	Assessment	< 0.02 U	11.0	575	< 0.02 U	< 0.01 U	0.08 J	0.054	0.702	0.18	< 0.05 U	0.00170	< 0.002 U	3.15	< 0.03 U	< 0.1 U
3/11/2020	Assessment	< 0.02 U	10.7	575	< 0.02 U	< 0.01 U	0.1 J	0.059	0.789	0.17	< 0.05 U	0.00170	< 0.002 U	2.77	0.04 J	< 0.1 U
5/21/2020	Assessment	< 0.02 U	10.9	670	< 0.02 U	0.05 J	0.1 J	0.077	1.672	0.20	< 0.05 U	0.00265	< 0.002 U	2.12	< 0.03 U	< 0.1 U
11/16/2020	Assessment	< 0.02 U	11	524	< 0.02 U	< 0.01 U	0.2 J	0.05 J	1.489	0.18	< 0.05 U	0.00163	< 0.002 U	2.89	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1601I
Rockport - BAP
Appendix III Constituents

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/8/2016	Background	0.024	84.9	26.3	0.21	7.4	54.0	419
7/19/2016	Background	0.023	84.1	33.3	0.25	7.2	54.0	430
9/20/2016	Background	0.043	85.2	32.3	0.22	7.1	49.1	432
11/16/2016	Background	0.026	91.6	31.7	0.19	7.2	46.7	434
1/10/2017	Background	0.018	92.6	31.3	0.19	6.7	47.7	429
3/7/2017	Background	0.029	84.0	32.5	0.22	7.1	48.5	427
5/9/2017	Background	0.079	90.0	33.1	0.21	6.8	49.1	422
7/17/2017	Background	0.039	82.0	32.0	0.19	9.5	49.9	418
10/4/2017	Detection	0.088	77.5	31.6	0.20	6.8	51.8	428
12/12/2017	Detection	--	--	30.5	0.21	7.1	52.8	--
6/5/2018	Assessment	0.052	87.8	31.4	0.24	7.6	50	424
8/15/2018	Assessment	0.054	91.7	31.3	0.25	7.3	49.9	429
6/26/2019	Assessment	0.03 J	85.0	31.2	0.21	7.2	50.8	439
9/9/2019	Assessment	0.02 J	85.1	30.8	0.22	7.1	42.7	426
3/11/2020	Assessment	--	--	--	0.23	6.9	--	--
5/21/2020	Assessment	0.02 J	87.8	31.5	0.26	6.8	52.1	435
11/16/2020	Assessment	0.02 J	80.2	29.8	0.24	6.2	49.5	418

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1601I
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/8/2016	Background	0.02 J	11.4	612	< 0.005 U	< 0.004 U	0.1	1.84	1.432	0.21	0.042	0.003	< 0.002 U	2.80	< 0.03 U	< 0.01 U
7/19/2016	Background	0.02 J	14.6	620	< 0.005 U	< 0.004 U	0.9	1.98	1.036	0.25	0.045	0.004	< 0.002 U	2.81	< 0.03 U	< 0.01 U
9/20/2016	Background	0.02 J	14.9	681	< 0.005 U	< 0.004 U	0.2	1.68	2.329	0.22	0.02 J	0.008	< 0.002 U	2.53	< 0.03 U	0.01 J
11/16/2016	Background	0.02 J	16.2	689	< 0.005 U	0.007 J	0.110	1.68	1.451	0.19	0.030	0.002	< 0.002 U	2.36	< 0.03 U	0.02 J
1/10/2017	Background	0.01 J	16.2	605	< 0.005 U	< 0.004 U	0.387	1.58	0.993	0.19	0.02 J	0.007	< 0.002 U	2.24	< 0.03 U	0.02 J
3/7/2017	Background	0.03 J	16.9	650	< 0.005 U	< 0.004 U	0.267	1.59	0.986	0.22	0.070	0.010	< 0.002 U	2.74	0.06 J	0.03 J
5/9/2017	Background	0.05	17.9	634	0.020	0.02	0.156	1.69	1.064	0.21	0.052	0.014	0.005	2.23	0.1	0.050
7/17/2017	Background	0.02 J	18.0	613	< 0.004 U	< 0.005 U	0.160	1.74	1.276	0.19	0.042	0.011	< 0.002 U	2.13	< 0.03 U	0.02 J
6/5/2018	Assessment	0.02 J	18.6	631	0.008 J	0.01 J	0.21	1.73	1.538	0.24	0.201	0.013	< 0.002 U	2.48	0.05 J	0.04 J
8/15/2018	Assessment	0.02 J	19.1	626	< 0.004 U	0.009 J	0.074	1.63	2.274	0.25	0.067	0.009	--	2.21	< 0.03 U	0.02 J
6/26/2019	Assessment	< 0.02 U	18.0	619	< 0.02 U	< 0.01 U	0.06 J	1.50	1.862	0.21	0.04 J	0.02 J	< 0.002 U	2.28	< 0.03 U	< 0.1 U
9/9/2019	Assessment	0.04 J	39.5	670	< 0.02 U	0.07	0.250	1.63	1.522	0.22	0.251	0.00672	< 0.002 U	2.26	0.04 J	< 0.1 U
3/11/2020	Assessment	< 0.02 U	17.4	621	< 0.02 U	< 0.01 U	0.1 J	1.23	1.202	0.23	< 0.05 U	0.00646	< 0.002 U	2 J	< 0.03 U	< 0.1 U
5/21/2020	Assessment	< 0.02 U	17.2	608	< 0.02 U	< 0.01 U	0.1 J	1.26	0.9	0.26	< 0.05 U	0.00621	< 0.002 U	2.10	< 0.03 U	< 0.1 U
11/16/2020	Assessment	< 0.02 U	17.8	586	< 0.02 U	< 0.01 U	0.2 J	1.22	2.329	0.24	< 0.05 U	0.00688	< 0.002 U	2.02	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1601S
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/8/2016	Background	0.108	76.9	45.9	0.34	7.6	39.2	440
7/19/2016	Background	0.106	71.8	46.4	0.36	7.2	40.1	415
9/20/2016	Background	0.094	74.2	43.5	0.33	7.2	37.6	442
11/16/2016	Background	0.100	78.2	42.3	0.26	7.2	36.4	442
1/10/2017	Background	0.113	78.5	42.0	0.28	6.8	35.9	424
3/7/2017	Background	0.098	79.2	41.1	0.30	7.2	42.5	413
5/8/2017	Background	0.092	86.7	41.9	0.31	6.8	44.0	389
7/17/2017	Background	0.077	76.8	41.7	0.25	6.6	40.5	443
10/4/2017	Detection	0.113	73.5	40.9	0.29	7.3	41.6	441
12/12/2017	Detection	--	--	36.9	0.33	7.2	43	--
6/5/2018	Assessment	0.142	66.5	34.8	0.41	7.4	26.5	366
8/15/2018	Assessment	0.208	70.8	33.7	0.42	7.2	31.3	374
5/24/2019	Assessment	0.06 J	77.2	38.5	0.36	7.2	41.8	451
6/25/2019	Assessment	0.07 J	75.9	35.3	0.31	7.3	51.4	456
9/9/2019	Assessment	0.068	79.6	37.6	0.31	7.2	52.9	445
3/11/2020	Assessment	--	--	--	0.34	7.1	--	--
5/21/2020	Assessment	0.076	82.3	40.6	0.37	7.1	58.3	462
11/16/2020	Assessment	0.092	74	40.1	0.35	6.4	53	432

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1601S
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/8/2016	Background	0.02 J	1.90	49.4	0.006 J	0.01 J	0.2	0.957	0.788	0.34	0.220	< 0.0002 U	< 0.002 U	2.17	1.3	0.05 J
7/19/2016	Background	0.02 J	2.12	47.7	< 0.005 U	0.007 J	0.6	0.478	1.26	0.36	0.114	0.024	< 0.002 U	1.91	1.3	< 0.01 U
9/20/2016	Background	0.02 J	1.99	41.6	< 0.005 U	0.006 J	0.2	0.381	0.4671	0.33	0.127	0.005	< 0.002 U	1.40	1.3	0.03 J
11/16/2016	Background	0.03 J	2.00	39.0	< 0.005 U	0.01 J	0.123	0.274	0.1634	0.26	0.084	0.009	< 0.002 U	2.17	1.3	0.03 J
1/10/2017	Background	0.05 J	2.00	43.5	< 0.005 U	0.03	0.279	0.520	0.717	0.28	0.247	0.006	< 0.002 U	1.61	1.4	0.104
3/7/2017	Background	0.02 J	2.25	50.7	< 0.005 U	0.01 J	1.52	0.980	0.1969	0.30	0.348	0.010	< 0.002 U	1.49	1.4	0.01 J
5/8/2017	Background	0.05	2.02	42.6	0.020	0.02	0.192	0.411	0.3203	0.31	0.119	0.010	0.005	1.24	1.7	0.050
7/17/2017	Background	0.05	2.70	70.0	0.01 J	0.03	1.05	2.67	1.812	0.25	0.807	0.012	0.003 J	1.46	1.8	0.04 J
6/5/2018	Assessment	0.04 J	2.45	44	0.02 J	0.24	0.579	0.615	0.261	0.41	0.349	0.012	< 0.002 U	1.79	0.5	< 0.01 U
8/15/2018	Assessment	0.03 J	2.28	38.0	0.005 J	0.009 J	0.114	0.557	0.398	0.42	0.141	0.004	--	1.81	1.1	0.05 J
5/24/2019	Assessment	< 0.02 U	2.05	37.2	< 0.02 U	< 0.01 U	0.08 J	0.02 J	0.0711	0.36	0.03 J	0.01 J	< 0.002 U	1 J	1.7	< 0.1 U
6/25/2019	Assessment	< 0.02 U	2.06	44.2	< 0.02 U	< 0.01 U	0.1 J	0.649	0.248	0.31	0.165	0.01 J	< 0.002 U	1 J	1.4	< 0.1 U
9/9/2019	Assessment	0.02 J	2.30	51.4	< 0.02 U	0.02 J	0.452	1.14	0.914	0.31	0.325	0.00691	< 0.002 U	1 J	1.2	< 0.1 U
3/11/2020	Assessment	< 0.02 U	1.95	37.9	< 0.02 U	< 0.01 U	0.2 J	0.203	1.649	0.34	0.05 J	0.00618	< 0.002 U	1 J	0.9	< 0.1 U
5/21/2020	Assessment	< 0.02 U	1.94	36.2	< 0.02 U	< 0.01 U	0.227	0.053	0.084	0.37	< 0.05 U	0.00632	< 0.002 U	1 J	1.5	< 0.1 U
11/16/2020	Assessment	< 0.02 U	1.97	34.9	< 0.02 U	< 0.01 U	0.347	0.077	0.0911	0.35	< 0.05 U	0.00609	< 0.002 U	1 J	1.6	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1602D
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	0.058	69.7	138	0.36	5.1	20.5	528
7/18/2016	Background	0.065	77.6	166	0.34	8.2	18.5	574
9/20/2016	Background	0.047	71.7	172	0.30	7.8	12.9	580
11/15/2016	Background	0.078	78.0	177	0.33	7.1	17.4	601
1/9/2017	Background	0.084	75.3	178	0.34	7.3	11.4	594
3/7/2017	Background	0.076	66.8	158	0.31	7.3	14.5	586
5/8/2017	Background	0.073	71.9	124	0.31	7.0	16.1	520
7/17/2017	Background	0.091	64.6	112	0.26	7.0	17.5	472
10/3/2017	Detection	0.064	68.3	135	0.29	7.4	16.0	518
12/12/2017	Detection	--	--	141	0.3	7.4	16.9	--
1/3/2018	Detection	--	--	146	--	7.8	--	574
6/5/2018	Assessment	0.07	66	92.8	0.35	7.8	21.6	440
8/13/2018	Assessment	0.098	73.0	131	0.31	7.2	18.0	521
5/24/2019	Assessment	0.04 J	67.9	68.3	0.33	7.4	20.5	418
6/27/2019	Assessment	0.06 J	69.8	68.7	0.33	7.3	20.3	429
9/12/2019	Assessment	0.059	57.8	65.1	0.28	7.1	20.2	440
3/11/2020	Assessment	--	--	--	0.33	7.1	--	--
5/20/2020	Assessment	0.04 J	74.2	62.8	0.35	6.8	23.8	416
11/17/2020	Assessment	0.05 J	64	87.1	0.33	6.9	20.5	452

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1602D
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.02 J	7.35	380	< 0.005 U	< 0.004 U	0.3	0.227	1.147	0.36	0.061	0.001	< 0.002 U	4.69	0.03 J	< 0.01 U
7/18/2016	Background	0.01 J	8.54	507	< 0.005 U	< 0.004 U	0.5	0.166	2.43	0.34	0.02 J	0.022	< 0.002 U	3.89	< 0.03 U	< 0.01 U
9/20/2016	Background	0.02 J	8.24	487	< 0.005 U	< 0.004 U	0.2	0.116	1.128	0.30	0.022	0.007	< 0.002 U	3.31	0.03 J	< 0.01 U
11/15/2016	Background	0.03 J	8.32	585	0.01 J	0.02	0.338	0.248	4.204	0.33	0.195	0.012	< 0.002 U	3.31	0.05 J	0.066
1/9/2017	Background	0.01 J	7.92	503	< 0.005 U	< 0.004 U	0.187	0.112	0.976	0.34	0.01 J	0.005	< 0.002 U	3.36	< 0.03 U	0.02 J
3/7/2017	Background	0.01 J	8.04	458	< 0.005 U	< 0.004 U	0.395	0.106	0.705	0.31	0.029	0.004	< 0.002 U	3.88	0.05 J	0.02 J
5/8/2017	Background	0.05	9.08	436	0.020	0.07	0.232	0.115	0.5884	0.31	0.056	0.007	0.005	3.93	0.1	0.050
7/17/2017	Background	0.01 J	8.51	419	0.005 J	< 0.005 U	0.268	0.110	1.349	0.26	0.036	0.003	< 0.002 U	3.60	< 0.03 U	< 0.01 U
6/5/2018	Assessment	0.02 J	10	442	0.006 J	0.01 J	0.21	0.157	1.861	0.35	0.103	0.008	< 0.002 U	3.93	< 0.03 U	< 0.01 U
8/13/2018	Assessment	0.01 J	9.28	459	0.008 J	< 0.005 U	0.201	0.173	1.021	0.31	0.113	0.002	--	3.18	0.05 J	< 0.01 U
5/24/2019	Assessment	< 0.02 U	9.29	405	< 0.02 U	< 0.01 U	0.05 J	0.065	0.71	0.33	< 0.02 U	0.01 J	< 0.002 U	3.23	0.03 J	< 0.1 U
6/27/2019	Assessment	< 0.02 U	9.05	386	< 0.02 U	< 0.01 U	0.06 J	0.066	0.688	0.33	0.02 J	< 0.009 U	< 0.002 U	3.12	0.03 J	< 0.1 U
9/12/2019	Assessment	0.17	10.3	433	0.02 J	0.03 J	0.763	0.373	1.13	0.28	0.437	0.00286	< 0.002 U	3.64	0.09 J	< 0.1 U
3/11/2020	Assessment	0.03 J	9.56	439	0.05 J	0.01 J	1.32	0.850	2.253	0.33	0.864	0.00291	0.003 J	3.13	0.2 J	< 0.1 U
5/20/2020	Assessment	< 0.02 U	9.46	412	< 0.02 U	< 0.01 U	0.354	0.066	0.872	0.35	< 0.05 U	0.00212	< 0.002 U	3.38	0.07 J	< 0.1 U
11/17/2020	Assessment	< 0.02 U	8.82	431	< 0.02 U	< 0.01 U	0.276	0.055	2.518	0.33	< 0.05 U	0.00275	< 0.002 U	3.04	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1602I
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	0.047	78.6	33.0	0.32	7.1	84.1	424
7/18/2016	Background	0.043	81.1	32.3	0.30	7.4	89.4	452
9/20/2016	Background	0.037	79.9	30.2	0.28	7.3	77.7	412
11/15/2016	Background	0.057	87.6	28.7	0.29	7.1	85.3	457
1/9/2017	Background	0.039	80.6	27.8	0.26	7.4	77.6	420
3/7/2017	Background	0.061	71.1	27.5	0.27	7.3	77.8	388
5/8/2017	Background	0.108	79.7	27.6	0.28	6.9	78.4	430
7/17/2017	Background	0.052	68.8	27.1	0.23	6.9	76.3	421
10/3/2017	Detection	0.065	69.2	27.5	0.26	7.3	80.8	414
12/12/2017	Detection	--	--	28.3	0.26	7.3	82.8	--
1/3/2018	Detection	--	--	--	--	7.7	82.3	--
6/5/2018	Assessment	0.06	71.3	29.8	0.31	7.8	77.6	410
8/13/2018	Assessment	0.109	76.0	28.5	0.28	7.4	75.0	405
5/24/2019	Assessment	0.05 J	74.6	29.0	0.30	7.4	65.9	410
6/27/2019	Assessment	0.06 J	76.2	29.2	0.30	7.3	67.4	405
9/12/2019	Assessment	0.051	83.1	28.7	0.30	7.3	70.7	404
3/11/2020	Assessment	--	--	--	0.29	7.0	--	--
5/20/2020	Assessment	0.114	113	79.0	0.30	7.7	177	627
11/17/2020	Assessment	0.121	85	54.5	0.3	7.0	135	537

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1602I
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.02 J	16.5	135	< 0.005 U	0.005 J	0.2	1.35	0.983	0.32	0.096	0.003	< 0.002 U	2.61	< 0.03 U	< 0.01 U
7/18/2016	Background	0.02 J	18.7	145	< 0.005 U	0.006 J	0.2	1.70	1.526	0.30	0.074	0.006	< 0.002 U	2.68	0.03 J	0.01 J
9/20/2016	Background	0.02 J	15.5	123	< 0.005 U	< 0.004 U	0.2	1.34	1.421	0.28	0.045	0.006	< 0.002 U	2.31	0.05 J	0.01 J
11/15/2016	Background	0.03 J	18.2	136	< 0.005 U	0.006 J	0.075	1.44	1.19	0.29	0.02 J	0.015	< 0.002 U	2.13	0.04 J	0.03 J
1/9/2017	Background	0.02 J	18.3	126	< 0.005 U	< 0.004 U	0.161	1.38	0.7655	0.26	0.045	0.003	< 0.002 U	2.23	< 0.03 U	0.02 J
3/7/2017	Background	0.03 J	20.0	122	0.005 J	< 0.004 U	0.484	1.43	0.845	0.27	0.178	0.009	< 0.002 U	2.21	0.06 J	0.02 J
5/8/2017	Background	0.14	25.5	123	0.020	0.02	0.459	1.69	1.024	0.28	0.292	0.009	0.005	2.08	0.1	0.050
7/17/2017	Background	0.05	27.3	127	0.006 J	0.006 J	0.193	1.52	0.8024	0.23	0.167	0.010	< 0.002 U	2.01	< 0.03 U	0.04 J
6/5/2018	Assessment	0.1	38.6	128	0.01 J	0.01 J	0.338	1.8	0.968	0.31	0.374	0.013	< 0.002 U	2.42	0.07 J	0.03 J
8/13/2018	Assessment	0.05 J	26.9	111	0.006 J	0.007 J	0.086	1.31	0.9	0.28	0.092	0.001	--	2.10	< 0.03 U	0.03 J
5/24/2019	Assessment	0.08 J	29.6	121	< 0.02 U	0.03 J	0.305	1.75	0.819	0.30	0.354	0.009 J	< 0.002 U	2.03	0.04 J	< 0.1 U
6/27/2019	Assessment	0.03 J	22.4	115	< 0.02 U	< 0.01 U	0.2 J	1.39	0.733	0.30	0.06 J	< 0.009 U	< 0.002 U	2 J	< 0.03 U	< 0.1 U
9/12/2019	Assessment	0.04 J	30.0	120	< 0.02 U	< 0.01 U	0.1 J	1.32	1.312	0.30	0.1 J	0.00572	< 0.002 U	2.11	0.03 J	< 0.1 U
3/11/2020	Assessment	< 0.02 U	22.7	118	< 0.02 U	< 0.01 U	< 0.04 U	1.36	0.6159	0.29	< 0.05 U	0.00566	< 0.002 U	2 J	< 0.03 U	< 0.1 U
5/20/2020	Assessment	0.03 J	24.6	142	< 0.02 U	< 0.01 U	0.09 J	1.83	0.665	0.30	< 0.05 U	0.00620	< 0.002 U	2 J	0.1 J	< 0.1 U
11/17/2020	Assessment	0.06 J	33.9	127	< 0.02 U	< 0.01 U	0.2 J	1.43	2.14	0.3	0.06 J	0.0058	< 0.002 U	2.02	0.08 J	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1603D
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/8/2016	Background	0.073	70.8	26.7	0.31	7.1	59.0	433
7/18/2016	Background	0.074	79.6	26.7	0.33	6.9	55.3	430
10/10/2016	Background	0.065	81.2	26.0	0.32	7.3	47.2	406
11/15/2016	Background	0.062	90.5	25.5	0.30	7.1	50.6	399
1/9/2017	Background	0.055	91.9	25.1	0.26	7.3	49.7	401
3/7/2017	Background	0.061	86.8	26.1	0.29	7.2	47.7	392
5/8/2017	Background	0.082	91.1	26.3	0.27	7.2	47.1	417
7/17/2017	Background	0.080	80.4	25.9	0.24	6.7	45.9	400
10/3/2017	Detection	0.054	79.4	26.2	0.26	7.1	44.6	393
12/12/2017	Detection	--	--	27	0.27	7.0	42.3	--
6/5/2018	Assessment	0.081	80.6	30.1	0.3	7.2	40.9	412
8/13/2018	Assessment	0.147	87.9	25.4	0.27	7.1	39.1	385
5/21/2019	Assessment	0.04 J	71.6	25.3	0.28	7.2	38.5	397
6/27/2019	Assessment	0.06 J	77.9	25.0	0.30	7.6	32.8	388
9/11/2019	Assessment	0.04 J	82.8	26.1	0.30	7.2	36.4	407
3/10/2020	Assessment	--	--	--	0.28	6.7	--	--
5/21/2020	Assessment	0.04 J	82.2	25.6	0.31	7.4	34.0	400
11/13/2020	Assessment	0.04 J	79.4	24.6	0.29	6.8	31.5	380

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1603D
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/8/2016	Background	0.01 J	10.2	112	< 0.005 U	< 0.004 U	0.2	1.34	1.206	0.31	0.02 J	0.003	< 0.002 U	6.70	< 0.03 U	< 0.01 U
7/18/2016	Background	0.02 J	11.0	120	< 0.005 U	0.007 J	0.3	1.30	0.66	0.33	0.01 J	0.008	< 0.002 U	6.39	0.04 J	0.068
10/10/2016	Background	0.09	9.91	122	0.049	0.03	23.8	2.01	0.954	0.32	1.38	0.007	< 0.002 U	6.82	0.3	0.04 J
11/15/2016	Background	0.03 J	11.3	113	< 0.01 U	0.01 J	0.08 J	0.703	1.275	0.30	0.02 J	0.011	< 0.002 U	5.02	< 0.06 U	< 0.02 U
1/9/2017	Background	0.01 J	11.3	111	< 0.005 U	0.009 J	0.143	0.584	0.343	0.26	0.029	0.012	< 0.002 U	4.98	< 0.03 U	< 0.01 U
3/7/2017	Background	0.01 J	11.3	108	< 0.005 U	< 0.004 U	0.220	0.553	0.838	0.29	0.024	0.007	< 0.002 U	5.11	0.04 J	0.02 J
5/8/2017	Background	0.05	11.3	103	0.020	0.02	0.238	0.586	0.982	0.27	0.068	0.006	0.005	4.78	0.1	0.050
7/17/2017	Background	0.02 J	12.1	114	< 0.004 U	< 0.005 U	0.112	0.525	1.696	0.24	0.006 J	0.008	< 0.002 U	4.68	< 0.03 U	< 0.01 U
6/5/2018	Assessment	0.02 J	12.3	109	0.009 J	< 0.005 U	0.251	0.441	1.607	0.3	0.207	0.008	< 0.002 U	4.09	0.09 J	0.03 J
8/13/2018	Assessment	0.02 J	12.5	105	< 0.004 U	< 0.005 U	0.097	0.409	0.84	0.27	0.040	0.005	--	4.38	< 0.03 U	0.02 J
5/21/2019	Assessment	< 0.02 U	12.6	111	< 0.02 U	< 0.01 U	0.05 J	0.354	0.73	0.28	0.04 J	< 0.009 U	< 0.002 U	4.56	< 0.03 U	< 0.1 U
6/27/2019	Assessment	< 0.02 U	13.2	111	< 0.02 U	< 0.01 U	0.06 J	0.327	0.766	0.30	< 0.02 U	< 0.009 U	< 0.002 U	3.98	< 0.03 U	< 0.1 U
9/11/2019	Assessment	< 0.02 U	13.2	112	< 0.02 U	< 0.01 U	0.2 J	0.327	0.957	0.30	0.08 J	0.00380	< 0.002 U	4.10	0.03 J	< 0.1 U
3/10/2020	Assessment	< 0.02 U	12.8	120	< 0.02 U	< 0.01 U	0.07 J	0.291	1.167	0.28	< 0.05 U	0.00380	< 0.002 U	4.00	0.03 J	< 0.1 U
5/21/2020	Assessment	< 0.02 U	13.8	120	< 0.02 U	< 0.01 U	0.275	0.280	0.721	0.31	< 0.05 U	0.00323	< 0.002 U	3.62	0.04 J	< 0.1 U
11/13/2020	Assessment	< 0.02 U	13.5	119	< 0.02 U	< 0.01 U	0.2 J	0.281	1.91	0.29	< 0.05 U	0.00326	< 0.002 U	3.64	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1603I
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/8/2016	Background	0.151	89.2	37.7	0.39	7.6	71.9	465
7/18/2016	Background	0.157	93.9	38.8	0.43	7.2	83.8	502
9/20/2016	Background	0.153	99.8	40.1	0.39	7.3	111	500
11/15/2016	Background	0.173	101	37.4	0.42	7.2	88.5	481
1/9/2017	Background	0.147	94.7	34.6	0.38	7.2	75.3	478
3/7/2017	Background	0.187	85.0	34.7	0.40	7.3	73.2	460
5/8/2017	Background	0.187	87.2	36.8	0.40	7.3	71.0	452
7/17/2017	Background	0.196	79.3	35.1	0.35	9.8	74.9	449
10/3/2017	Detection	0.134	80.9	35.6	0.39	7.2	74.1	442
12/12/2017	Detection	--	--	57.4	0.52	6.8	201	--
1/3/2018	Detection	0.166	--	--	--	7.9	65.1	--
6/5/2018	Assessment	0.131	77.7	37.3	0.46	7.3	62	424
8/13/2018	Assessment	0.130	85.9	31.5	0.43	7.4	66.2	434
5/21/2019	Assessment	0.06 J	81.4	39.4	0.45	7.3	74.6	467
6/27/2019	Assessment	0.07 J	78.6	37.7	0.47	8.1	66.9	560
9/11/2019	Assessment	0.087	80.1	38.7	0.46	7.3	58.2	443
3/10/2020	Assessment	--	--	--	0.45	7.1	--	--
5/21/2020	Assessment	0.04 J	82.4	37.9	0.46	7.7	51.0	428
11/13/2020	Assessment	0.04 J	76.1	35.4	0.42	7.2	60	440

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1603I
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/8/2016	Background	0.05 J	13.0	81.1	< 0.005 U	0.004 J	0.3	1.36	0.593	0.39	0.117	< 0.0002 U	< 0.002 U	8.86	< 0.03 U	0.03 J
7/18/2016	Background	0.03 J	12.8	83.1	< 0.005 U	< 0.004 U	0.8	1.30	1.821	0.43	0.053	0.013	< 0.002 U	9.76	< 0.03 U	0.02 J
9/20/2016	Background	0.03 J	12.2	94.2	< 0.005 U	< 0.004 U	0.1	1.41	0.904	0.39	0.008 J	0.009	< 0.002 U	9.85	0.04 J	0.04 J
11/15/2016	Background	0.04 J	12.2	86.6	< 0.005 U	0.007 J	0.074	1.17	1.583	0.42	0.021	0.015	< 0.002 U	9.21	< 0.03 U	0.03 J
1/9/2017	Background	0.03 J	12.9	84.6	< 0.005 U	< 0.004 U	0.232	1.26	1.417	0.38	0.066	0.008	< 0.002 U	9.47	< 0.03 U	0.03 J
3/7/2017	Background	0.03 J	12.5	82.5	< 0.005 U	< 0.004 U	0.743	1.10	1.076	0.40	0.057	0.009	< 0.002 U	8.79	0.05 J	0.05 J
5/8/2017	Background	0.05	13.0	76.8	0.020	0.02	0.145	1.24	0.824	0.40	0.174	0.009	0.005	8.86	0.1	0.050
7/17/2017	Background	0.03 J	12.5	85.3	< 0.004 U	< 0.005 U	0.109	1.30	2.746	0.35	0.02 J	0.013	< 0.002 U	8.27	< 0.03 U	0.05 J
6/5/2018	Assessment	0.1	12.7	88.4	0.01 J	0.02 J	1.11	1.4	2.348	0.46	0.374	0.012	< 0.002 U	7.31	0.07 J	0.03 J
8/13/2018	Assessment	0.03 J	12.4	80.0	< 0.004 U	< 0.005 U	0.081	1.27	1.152	0.43	0.030	0.002	--	7.67	< 0.03 U	0.04 J
5/21/2019	Assessment	0.02 J	12.9	81.6	< 0.02 U	< 0.01 U	0.08 J	1.39	0.832	0.45	< 0.02 U	< 0.009 U	< 0.002 U	6.45	< 0.03 U	< 0.1 U
6/27/2019	Assessment	0.07 J	12.7	84.3	< 0.02 U	0.01 J	0.678	1.58	0.966	0.47	0.312	< 0.009 U	< 0.002 U	6.29	0.07 J	< 0.1 U
9/11/2019	Assessment	0.08 J	13.2	83.0	< 0.02 U	< 0.01 U	0.355	1.36	1.41	0.46	0.2 J	0.00711	< 0.002 U	7.48	< 0.03 U	< 0.1 U
3/10/2020	Assessment	< 0.02 U	12.1	80.3	< 0.02 U	< 0.01 U	0.1 J	1.23	1.056	0.45	< 0.05 U	0.00720	< 0.002 U	5.52	< 0.03 U	< 0.1 U
5/21/2020	Assessment	0.03 J	15.5	89.5	< 0.02 U	< 0.01 U	0.09 J	1.22	1.004	0.46	< 0.05 U	0.00697	< 0.002 U	5.08	< 0.03 U	< 0.1 U
11/13/2020	Assessment	0.32	53	107	0.03 J	< 0.01 U	0.286	1.19	1.959	0.42	0.564	0.00667	< 0.002 U	5.29	0.07 J	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1603S
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/8/2016	Background	1.77	49.6	60.3	0.44	7.6	197	480
7/18/2016	Background	1.77	46.4	53.6	0.50	7.2	171	445
9/20/2016	Background	1.83	59.3	57.6	0.39	7.0	197	479
11/15/2016	Background	2.19	71.9	50.9	0.43	6.9	208	469
1/9/2017	Background	2.22	74.8	55.6	0.40	6.5	220	483
3/7/2017	Background	1.72	99.4	67.6	0.33	6.7	261	581
5/8/2017	Background	1.25	81.7	55.1	0.36	6.9	203	466
7/17/2017	Background	1.94	68.1	52.9	0.27	9.6	222	482
10/3/2017	Detection	1.84	51.5	20.8	0.17	6.9	75.1	481
12/12/2017	Detection	--	--	33.9	0.41	7.1	65.8	--
1/3/2018	Detection	1.67	--	--	--	7.5	218	514
6/5/2018	Assessment	1.4	42.2	54.3	0.63	7.0	178	504
8/13/2018	Assessment	1.70	52.0	69.7	0.56	7.0	243	558
5/21/2019	Assessment	1.47	62.6	56.0	0.55	6.6	187	506
6/27/2019	Assessment	1.65	67.2	57.8	0.59	7.3	205	530
9/11/2019	Assessment	2.16	55.1	51.1	0.69	7.1	224	482
3/10/2020	Assessment	--	--	--	0.71	6.5	--	--
5/21/2020	Assessment	0.826	47.5	31.1	0.77	7.4	88.3	276
11/13/2020	Assessment	2.35	39.1	37.6	0.92	7.0	131	365

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1603S
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/8/2016	Background	0.04 J	0.36	13.0	< 0.005 U	0.02	0.2	0.648	0.485	0.44	0.171	< 0.0002 U	< 0.002 U	1.36	0.04 J	0.02 J
7/18/2016	Background	0.05 J	0.27	12.5	< 0.005 U	0.02	0.2	0.656	1.123	0.50	0.130	0.013	< 0.002 U	0.74	< 0.03 U	0.02 J
9/20/2016	Background	0.04 J	0.21	16.7	< 0.005 U	0.02 J	0.3	0.310	1.373	0.39	0.025	0.007	< 0.002 U	0.50	0.7	0.04 J
11/15/2016	Background	0.06	0.19	18.4	0.008 J	0.03	0.104	0.233	0.508	0.43	0.072	0.013	< 0.002 U	0.39	0.2	0.091
1/9/2017	Background	0.04 J	0.20	16.2	< 0.005 U	0.02 J	0.653	0.176	0.391	0.40	0.023	0.002	< 0.002 U	0.47	0.06 J	0.02 J
3/7/2017	Background	0.06	0.18	22.3	< 0.005 U	0.06	0.530	0.092	0.2002	0.33	0.037	0.005	< 0.002 U	0.23	0.2	0.02 J
5/8/2017	Background	0.05	0.23	16.3	0.020	0.02	0.325	0.219	0.4136	0.36	0.116	0.006	0.005	0.15	0.2	0.050
7/17/2017	Background	0.04 J	0.19	16.2	< 0.004 U	0.03	0.154	0.349	2.9307	0.27	0.042	0.007	< 0.002 U	0.20	0.06 J	0.02 J
6/5/2018	Assessment	0.06	0.36	12.4	0.01 J	0.03	0.261	0.881	2.059	0.63	0.339	0.012	< 0.002 U	2.74	0.1	0.03 J
8/13/2018	Assessment	0.04 J	0.20	10.5	0.01 J	0.02	0.058	0.506	0.762	0.56	0.047	0.002	--	1.78	0.04 J	0.054
5/21/2019	Assessment	0.03 J	0.17	14.0	< 0.02 U	0.02 J	0.09 J	0.417	0.5289	0.55	< 0.02 U	< 0.009 U	< 0.002 U	< 0.4 U	0.08 J	< 0.1 U
6/27/2019	Assessment	0.03 J	0.17	13.7	< 0.02 U	0.03 J	0.06 J	0.383	0.555	0.59	< 0.02 U	< 0.009 U	< 0.002 U	0.5 J	1.5	< 0.1 U
9/11/2019	Assessment	0.04 J	0.22	12.0	< 0.02 U	0.02 J	0.04 J	0.266	0.172	0.69	< 0.05 U	0.00414	< 0.002 U	0.6 J	0.3	< 0.1 U
3/10/2020	Assessment	< 0.02 U	0.13	10.4	< 0.02 U	< 0.01 U	0.335	0.055	0.4889	0.71	< 0.05 U	0.00225	< 0.002 U	< 0.4 U	0.2 J	< 0.1 U
5/21/2020	Assessment	0.03 J	0.11	7.53	< 0.02 U	0.01 J	0.325	0.04 J	0.579	0.77	< 0.05 U	0.00179	< 0.002 U	< 0.4 U	0.1 J	< 0.1 U
11/13/2020	Assessment	0.04 J	0.17	9.07	< 0.02 U	0.01 J	0.208	0.297	0.6734	0.92	< 0.05 U	0.0032	< 0.002 U	< 0.4 U	0.08 J	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1604D
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	0.032	70.8	19.6	0.30	7.1	39.1	292
7/18/2016	Background	0.022	67.8	19.3	0.28	6.9	38.6	332
9/19/2016	Background	0.010	69.8	17.8	0.26	7.3	31.9	280
11/15/2016	Background	0.025	74.9	18.0	0.27	7.1	35.0	320
1/9/2017	Background	0.016	72.9	17.1	0.24	7.2	29.6	326
3/7/2017	Background	0.075	67.2	17.4	0.24	7.3	30.4	290
5/8/2017	Background	0.050	71.8	17.3	0.26	7.2	29.2	318
7/18/2017	Background	0.095	63.7	16.9	0.21	7.2	28.7	304
10/3/2017	Detection	0.075	62.7	16.5	0.24	7.3	28.7	318
12/13/2017	Detection	--	--	16.3	0.24	7.3	29.3	--
6/6/2018	Assessment	0.037	67.6	16.1	0.28	7.3	26.3	308
8/14/2018	Assessment	0.052	70.5	16.4	0.26	7.1	26.2	311
5/21/2019	Assessment	0.03 J	69.3	16.1	0.27	7.2	27.4	309
6/26/2019	Assessment	0.03 J	69.5	15.8	0.28	7.3	23.2	326
9/10/2019	Assessment	0.02 J	74.7	15.9	0.28	7.3	24.7	326
3/11/2020	Assessment	--	--	--	0.26	7.1	--	--
5/21/2020	Assessment	0.02 J	73.9	15.9	0.30	6.8	24.4	329
11/13/2020	Assessment	0.02 J	68.4	15.1	0.27	6.4	20.9	306

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1604D
Rockport - BAP
Appendix IV Constituents

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.02 J	14.6	216	< 0.005 U	< 0.004 U	0.2	0.119	0.374	0.30	0.098	0.002	< 0.002 U	3.96	< 0.03 U	< 0.01 U
7/18/2016	Background	0.01 J	17.9	239	< 0.005 U	< 0.004 U	0.2	0.086	0.8422	0.28	0.022	0.010	< 0.002 U	3.33	0.04 J	< 0.01 U
9/19/2016	Background	0.01 J	16.2	234	< 0.005 U	< 0.004 U	0.1	0.052	0.377	0.26	0.02 J	0.004	< 0.002 U	2.82	< 0.03 U	< 0.01 U
11/15/2016	Background	0.03 J	16.7	247	< 0.005 U	0.008 J	0.117	0.047	0.454	0.27	0.02 J	0.009	< 0.002 U	2.80	< 0.03 U	0.02 J
1/9/2017	Background	0.02 J	16.9	243	< 0.005 U	0.007 J	0.158	0.057	2.235	0.24	0.01 J	< 0.0002 U	< 0.002 U	3.04	0.03 J	0.095
3/7/2017	Background	0.02 J	18.4	267	< 0.005 U	< 0.004 U	0.267	0.070	0.868	0.24	0.061	0.003	0.002 J	3.20	0.06 J	< 0.01 U
5/8/2017	Background	0.05	18.1	226	0.020	0.02	0.128	0.091	0.744	0.26	0.043	0.004	0.005	2.90	0.1	0.050
7/18/2017	Background	0.02 J	16.8	249	< 0.004 U	< 0.005 U	0.165	0.072	1.079	0.21	0.02 J	0.002	< 0.002 U	2.61	< 0.03 U	< 0.01 U
6/6/2018	Assessment	0.04 J	22.1	266	0.004 J	< 0.005 U	0.057	0.117	0.942	0.28	0.034	0.007	< 0.002 U	3.56	< 0.03 U	< 0.01 U
8/14/2018	Assessment	0.01 J	16.6	237	< 0.004 U	< 0.005 U	0.04 J	0.059	0.617	0.26	0.005 J	< 0.0002 U	--	2.50	< 0.03 U	0.01 J
5/21/2019	Assessment	< 0.02 U	18.3	235	< 0.02 U	< 0.01 U	0.04 J	0.051	0.771	0.27	0.06 J	< 0.009 U	< 0.002 U	2.52	< 0.03 U	< 0.1 U
6/26/2019	Assessment	< 0.02 U	18.2	263	< 0.02 U	< 0.01 U	0.06 J	0.067	1.164	0.28	0.04 J	< 0.009 U	< 0.002 U	2.58	< 0.03 U	< 0.1 U
9/10/2019	Assessment	< 0.02 U	18.0	257	< 0.02 U	< 0.01 U	0.09 J	0.052	0.859	0.28	< 0.05 U	0.00157	< 0.002 U	2.70	< 0.03 U	< 0.1 U
3/11/2020	Assessment	< 0.02 U	17.8	228	< 0.02 U	< 0.01 U	0.09 J	0.052	1.017	0.26	< 0.05 U	0.00139	< 0.002 U	2.22	< 0.03 U	< 0.1 U
5/21/2020	Assessment	< 0.02 U	17.9	242	< 0.02 U	< 0.01 U	0.2 J	0.05 J	1.07	0.30	< 0.05 U	0.00140	< 0.002 U	2.35	< 0.03 U	< 0.1 U
11/13/2020	Assessment	< 0.02 U	18.2	250	< 0.02 U	< 0.01 U	0.1 J	0.05 J	1.853	0.27	< 0.05 U	0.00154	< 0.002 U	2.54	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1604I
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	0.111	76.5	50.4	0.34	7.1	138	530
7/18/2016	Background	0.185	79.7	53.6	0.33	7.4	152	548
9/19/2016	Background	0.320	73.1	46.5	0.29	7.5	120	504
11/15/2016	Background	0.368	78.7	46.2	0.32	7.3	130	521
1/9/2017	Background	0.241	72.4	39.5	0.31	7.5	99.8	456
3/7/2017	Background	0.252	68.7	41.6	0.31	7.4	104	448
5/9/2017	Background	0.363	81.3	53.4	0.34	7.5	139	546
7/18/2017	Background	0.379	73.5	49.3	0.27	7.3	139	522
10/3/2017	Detection	0.442	69.5	45.2	0.30	7.5	129	502
12/12/2017	Detection	--	--	45.6	0.32	7.5	132	--
1/4/2018	Detection	0.385	--	--	--	7.9	119	504
6/6/2018	Assessment	0.188	62.9	39.4	0.37	7.6	95.4	442
8/14/2018	Assessment	0.193	73.8	43.7	0.33	7.4	112	487
5/21/2019	Assessment	0.254	78.2	70.1	0.34	7.3	181	618
6/27/2019	Assessment	0.278	75.2	63.5	0.38	7.5	167	622
9/11/2019	Assessment	0.269	71.5	43.6	0.35	7.4	127	515
3/10/2020	Assessment	--	--	--	0.35	7.2	--	--
5/21/2020	Assessment	0.324	68.1	43.9	0.40	7.8	118	496
11/13/2020	Assessment	0.298	66.3	38	0.35	6.4	94.4	439

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1604I
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.02 J	19.5	124	< 0.005 U	0.12	0.1	0.893	1.118	0.34	0.02 J	0.004	< 0.002 U	2.59	0.03 J	0.01 J
7/18/2016	Background	0.02 J	19.1	132	< 0.005 U	< 0.004 U	0.4	0.875	1.299	0.33	0.02 J	0.011	< 0.002 U	2.48	< 0.03 U	0.01 J
9/19/2016	Background	0.03 J	20.4	123	< 0.005 U	< 0.004 U	0.4	0.742	0.624	0.29	0.02 J	0.008	< 0.002 U	2.87	0.07 J	0.078
11/15/2016	Background	0.04 J	19.4	123	< 0.005 U	0.009 J	0.153	0.704	1.664	0.32	0.045	0.015	< 0.002 U	2.49	< 0.03 U	0.02 J
1/9/2017	Background	0.02 J	20.2	114	< 0.005 U	< 0.004 U	0.114	0.696	1.455	0.31	0.01 J	0.003	< 0.002 U	2.84	< 0.03 U	0.02 J
3/7/2017	Background	0.02 J	20.0	117	< 0.005 U	< 0.004 U	0.573	0.743	0.671	0.31	0.024	0.009	< 0.002 U	3.08	0.05 J	0.02 J
5/9/2017	Background	0.06	26.4	125	0.020	0.02	0.112	1.03	0.844	0.34	0.043	0.013	0.005	3.02	0.1	0.050
7/18/2017	Background	0.24	19.0	130	< 0.004 U	0.005 J	0.208	0.877	1.059	0.27	0.093	0.009	< 0.002 U	2.75	< 0.03 U	0.02 J
6/6/2018	Assessment	0.03 J	18.7	107	0.004 J	< 0.005 U	0.05 J	0.792	1.089	0.37	0.01 J	0.012	< 0.002 U	3	0.03 J	0.02 J
8/14/2018	Assessment	0.03 J	18.5	110	< 0.004 U	< 0.005 U	0.075	0.737	0.183	0.33	0.007 J	0.004	--	2.50	< 0.03 U	0.052
5/21/2019	Assessment	0.02 J	21.2	151	< 0.02 U	< 0.01 U	0.05 J	1.03	1.458	0.34	< 0.02 U	0.01 J	< 0.002 U	2.54	0.1 J	< 0.1 U
6/27/2019	Assessment	0.02 J	18.5	135	< 0.02 U	< 0.01 U	0.09 J	0.979	0.888	0.38	< 0.02 U	< 0.009 U	< 0.002 U	2.51	0.1 J	< 0.1 U
9/11/2019	Assessment	0.03 J	20.7	119	< 0.02 U	< 0.01 U	0.1 J	0.735	0.819	0.35	< 0.05 U	0.00772	< 0.002 U	2.26	0.05 J	< 0.1 U
3/10/2020	Assessment	< 0.02 U	17.5	96.7	< 0.02 U	< 0.01 U	0.09 J	0.831	1	0.35	< 0.05 U	0.00775	< 0.002 U	2.10	< 0.03 U	< 0.1 U
5/21/2020	Assessment	0.02 J	18.7	102	< 0.02 U	< 0.01 U	0.09 J	0.763	1.32	0.40	< 0.05 U	0.00714	< 0.002 U	2.19	0.07 J	< 0.1 U
11/13/2020	Assessment	0.02 J	27.9	101	< 0.02 U	< 0.01 U	0.2 J	0.63	1.186	0.35	< 0.05 U	0.00674	< 0.002 U	2.19	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1604S
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	0.653	84.5	62.6	0.89	7.2	187	532
7/20/2016	Background	0.530	79.8	60.8	0.88	7.3	186	526
9/19/2016	Background	0.650	68.1	50.3	0.92	7.5	141	456
11/15/2016	Background	0.736	82.9	58.3	0.83	--	165	533
1/9/2017	Background	0.721	83.9	63.5	0.91	7.4	173	535
3/7/2017	Background	0.725	79.1	64.1	0.94	7.5	170	528
5/8/2017	Background	0.554	111	88.0	0.81	7.5	251	672
5/18/2017	Background	--	--	--	--	7.3	--	--
7/17/2017	Background	0.473	98.6	76.0	0.76	7.3	234	657
10/3/2017	Detection	0.562	67.8	55.3	0.87	7.7	123	462
12/12/2017	Detection	--	--	53.9	0.97	7.7	112	--
1/4/2018	Detection	0.778	--	54.5	1.02	8.0	104	--
6/6/2018	Assessment	0.521	72.5	53.7	1.04	7.7	134	474
8/14/2018	Assessment	0.582	92.6	73.0	0.90	7.4	187	583
5/20/2019	Assessment	0.451	80.4	57.2	0.99	7.5	179	572
6/26/2019	Assessment	0.667	75.8	81.4	0.91	7.5	246	718
9/10/2019	Assessment	0.802	53.1	57.6	1.63	7.5	134	506
3/10/2020	Assessment	--	--	--	1.05	7.4	--	--
5/21/2020	Assessment	0.544	50.2	40.2	1.26	8.1	99.7	405
11/13/2020	Assessment	0.559	59.5	58.6	1.03	6.5	93.8	428

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1604S
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.06	0.41	19.2	0.007 J	0.02	0.2	0.548	0.3437	0.89	0.315	0.011	< 0.002 U	2.57	0.07 J	0.02 J
7/20/2016	Background	0.13	0.76	21.7	0.059	0.09	0.6	0.955	0.9695	0.88	0.911	0.006	< 0.002 U	2.33	0.2	0.057
9/19/2016	Background	0.06	0.24	13.3	< 0.005 U	0.01 J	0.5	0.325	1.126	0.92	0.060	0.008	< 0.002 U	2.51	0.07 J	0.05 J
11/15/2016	Background	0.07	0.24	18.5	0.005 J	0.03	0.081	0.326	0.377	0.83	0.045	0.014	< 0.002 U	4.79	0.05 J	0.096
1/9/2017	Background	0.06	0.31	17.3	< 0.005 U	0.02 J	0.701	0.338	1.629	0.91	0.02 J	0.013	< 0.002 U	2.59	0.06 J	0.04 J
3/7/2017	Background	0.05	0.20	16.0	< 0.005 U	0.01 J	0.326	0.321	0.151	0.94	0.027	0.013	< 0.002 U	2.61	0.07 J	0.03 J
5/8/2017	Background	0.07	0.30	18.8	0.020	0.02	0.079	0.355	0.579	0.81	0.050	0.018	0.005	2.16	0.1	0.050
7/17/2017	Background	0.07	0.24	20.7	< 0.004 U	0.02 J	0.136	0.285	0.731	0.76	0.064	0.014	< 0.002 U	1.88	0.03 J	0.02 J
6/6/2018	Assessment	0.06	0.2	14.1	< 0.004 U	0.02 J	0.056	0.407	1.058	1.04	0.04	0.014	< 0.002 U	2.5	0.05 J	0.02 J
8/14/2018	Assessment	0.05 J	0.20	16.3	< 0.004 U	0.02 J	0.088	0.365	0.444	0.90	0.009 J	0.009	--	2.21	0.2	0.03 J
5/20/2019	Assessment	0.06 J	0.18	18.8	< 0.02 U	0.03 J	0.219	0.352	0.677	0.99	0.03 J	< 0.009 U	< 0.002 U	2.29	0.07 J	< 0.1 U
6/26/2019	Assessment	0.04 J	0.47	46.1	< 0.02 U	0.02 J	0.1 J	1.13	0.565	0.91	0.122	0.01 J	< 0.002 U	1 J	0.2	< 0.1 U
9/10/2019	Assessment	0.06 J	0.26	12.0	< 0.02 U	0.02 J	0.202	0.207	0.115	1.63	< 0.05 U	0.00913	< 0.002 U	4.72	0.1 J	< 0.1 U
3/10/2020	Assessment	0.02 J	0.18	13.0	< 0.02 U	0.02 J	0.1 J	0.384	0.941	1.05	< 0.05 U	0.00972	< 0.002 U	2.90	0.07 J	< 0.1 U
5/21/2020	Assessment	0.06 J	0.20	12.9	< 0.02 U	0.02 J	0.1 J	0.297	0.996	1.26	< 0.05 U	0.00689	< 0.002 U	3.09	0.1 J	< 0.1 U
11/13/2020	Assessment	0.08 J	0.17	10.5	< 0.02 U	0.03 J	0.2 J	0.285	0.2723	1.03	< 0.05 U	0.00868	< 0.002 U	2.94	0.09 J	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1605D
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	0.027	81.7	31.9	0.25	7.1	59.7	406
7/18/2016	Background	0.021	85.7	31.5	0.22	7.2	61.6	408
9/19/2016	Background	0.002 J	84.2	29.8	0.19	7.1	54.1	370
11/16/2016	Background	0.021	93.9	28.8	0.21	7.1	56.2	400
1/11/2017	Background	0.014	89.9	27.4	0.21	7.3	55.1	794
3/7/2017	Background	0.045	88.5	29.4	0.19	7.2	58.4	386
5/9/2017	Background	0.021	90.1	29.2	0.19	6.9	58.5	400
7/18/2017	Background	0.025	84.6	28.6	0.17	9.5	59.1	416
10/3/2017	Detection	0.022	83.1	26.4	0.18	7.1	56.8	390
12/11/2017	Detection	--	--	25.8	0.19	--	56.4	--
6/6/2018	Assessment	0.03	81.5	24.2	0.16	7.3	49.2	388
8/15/2018	Assessment	0.024	88.6	23.8	0.23	7.1	48.7	379
5/24/2019	Assessment	0.02 J	75.7	22.1	0.24	6.9	38.9	364
6/25/2019	Assessment	< 0.02 U	82.1	22.1	0.21	7.3	40.3	379
9/12/2019	Assessment	< 0.02 U	84.0	23.7	0.22	7.0	45.1	388
3/9/2020	Assessment	--	--	--	0.20	7.0	--	--
5/20/2020	Assessment	< 0.02 U	85.0	25.1	0.23	6.9	45.9	382
11/13/2020	Assessment	< 0.02 U	76.6	24.4	0.21	7.0	43.2	367

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1605D
Rockport - BAP
Appendix IV Constituents

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.02 J	17.5	400	< 0.005 U	< 0.004 U	0.2	0.284	1.094	0.25	0.051	0.004	< 0.002 U	7.65	0.03 J	< 0.01 U
7/18/2016	Background	0.01 J	17.4	434	< 0.005 U	< 0.004 U	0.3	0.170	1.666	0.22	0.051	0.005	< 0.002 U	3.19	< 0.03 U	< 0.01 U
9/19/2016	Background	0.01 J	18.1	488	< 0.005 U	< 0.004 U	0.3	0.118	0.873	0.19	0.009 J	0.006	< 0.002 U	2.72	< 0.03 U	< 0.01 U
11/16/2016	Background	0.01 J	18.6	453	< 0.005 U	< 0.004 U	0.259	0.097	1.371	0.21	0.008 J	0.006	< 0.002 U	2.21	< 0.03 U	0.01 J
1/10/2017	Background	0.01 J	19.0	430	< 0.005 U	< 0.004 U	0.128	0.086	1.589	0.21	< 0.004 U	0.004	< 0.002 U	2.21	< 0.03 U	< 0.01 U
3/7/2017	Background	0.02 J	19.1	490	< 0.005 U	0.006 J	0.322	0.107	1.104	0.19	0.045	0.006	< 0.002 U	2.44	0.03 J	< 0.01 U
5/9/2017	Background	0.05	18.3	420	0.020	0.02	0.131	0.108	0.4527	0.19	0.037	0.003	0.005	2.08	0.1	0.050
7/18/2017	Background	0.02 J	17.9	457	< 0.004 U	< 0.005 U	0.119	0.111	1.657	0.17	0.009 J	0.005	< 0.002 U	1.98	< 0.03 U	0.03 J
6/6/2018	Assessment	0.02 J	18.2	382	0.01 J	< 0.005 U	0.272	0.188	1.978	0.16	0.273	0.007	< 0.002 U	1.97	0.04 J	< 0.01 U
8/15/2018	Assessment	0.01 J	20.3	443	< 0.004 U	< 0.005 U	0.077	0.079	0.605	0.23	0.035	0.003	--	1.94	< 0.03 U	< 0.01 U
5/24/2019	Assessment	0.05 J	13.9	385	< 0.02 U	< 0.01 U	0.06 J	0.255	1.116	0.24	< 0.02 U	< 0.009 U	< 0.002 U	2.60	< 0.03 U	< 0.1 U
6/25/2019	Assessment	< 0.02 U	18.3	365	< 0.02 U	< 0.01 U	0.2 J	0.104	0.655	0.21	0.05 J	< 0.009 U	< 0.002 U	2 J	< 0.03 U	< 0.1 U
9/12/2019	Assessment	< 0.02 U	21.2	471	< 0.02 U	< 0.01 U	0.652	0.084	0.896	0.22	< 0.05 U	0.00176	< 0.002 U	2.08	< 0.03 U	< 0.1 U
3/9/2020	Assessment	< 0.02 U	19.9	448	< 0.02 U	< 0.01 U	0.1 J	0.069	1.802	0.20	< 0.05 U	0.00178	< 0.002 U	2 J	0.04 J	< 0.1 U
5/20/2020	Assessment	< 0.02 U	20.7	436	< 0.02 U	< 0.01 U	0.1 J	0.074	2.158	0.23	< 0.05 U	0.00180	< 0.002 U	2.05	0.05 J	< 0.1 U
11/13/2020	Assessment	< 0.02 U	21.1	445	< 0.02 U	< 0.01 U	0.2 J	0.06	1.119	0.21	< 0.05 U	0.00156	< 0.002 U	2 J	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1605I
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	0.027	89.5	45.6	0.21	7.0	130	522
7/19/2016	Background	0.027	92.5	46.8	0.22	7.3	135	544
9/19/2016	Background	0.020	97.9	45.6	0.18	7.3	140	548
11/16/2016	Background	0.034	103	44.4	0.19	7.1	140	567
1/10/2017	Background	0.020	91.3	43.5	0.19	7.2	119	534
3/7/2017	Background	0.046	81.9	44.7	0.17	7.3	115	474
5/9/2017	Background	0.043	93.5	41.8	0.19	7.0	115	508
7/18/2017	Background	0.036	79.9	39.7	0.1 J	7.0	116	488
10/3/2017	Detection	0.041	82.5	40.7	0.19	7.2	120	494
12/11/2017	Detection	--	--	41.3	0.18	7.3	135	--
1/4/2018	Detection	--	--	--	--	7.6	144	536
6/6/2018	Assessment	0.129	79.2	39.1	0.16	7.3	120	500
8/15/2018	Assessment	0.158	83.4	38.0	0.23	7.3	114	483
5/24/2019	Assessment	0.08 J	73.8	36.8	0.23	7.3	89.2	443
6/25/2019	Assessment	0.126	83.4	38.3	0.21	7.4	104	471
9/12/2019	Assessment	0.199	89.4	41.7	0.20	7.4	128	524
3/10/2020	Assessment	--	--	--	0.21	7.1	--	--
5/20/2020	Assessment	0.097	90.1	37.8	0.23	6.9	109	476
11/13/2020	Assessment	0.06	73.3	32.8	0.21	7.1	86.2	429

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1605I
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.02 J	17.3	151	< 0.005 U	< 0.004 U	0.2	1.67	1.219	0.21	0.122	0.004	< 0.002 U	1.42	0.03 J	0.02 J
7/19/2016	Background	0.03 J	20.1	178	< 0.005 U	< 0.004 U	1.2	1.79	2.288	0.22	0.032	0.005	< 0.002 U	1.39	0.07 J	0.02 J
9/19/2016	Background	0.04 J	19.5	180	< 0.005 U	0.005 J	0.2	1.66	2.171	0.18	0.160	0.008	< 0.002 U	1.23	< 0.03 U	0.03 J
11/16/2016	Background	0.04 J	18.0	168	< 0.005 U	0.008 J	0.091	1.58	1.912	0.19	0.079	0.017	< 0.002 U	1.07	< 0.03 U	0.03 J
1/10/2017	Background	0.03 J	18.5	161	< 0.005 U	< 0.004 U	0.110	1.52	1.823	0.19	0.02 J	0.004	< 0.002 U	1.43	0.04 J	0.183
3/7/2017	Background	0.03 J	18.6	156	< 0.005 U	0.008 J	0.214	1.48	1.721	0.17	0.063	0.007	< 0.002 U	1.33	0.04 J	0.03 J
5/9/2017	Background	0.05	20.1	148	0.020	0.02	0.137	1.56	1.139	0.19	0.037	0.010	0.005	1.18	0.1	0.050
7/18/2017	Background	0.05 J	26.2	153	< 0.004 U	< 0.005 U	0.104	1.49	2.173	0.1 J	0.137	0.010	< 0.002 U	1.16	< 0.03 U	0.03 J
6/6/2018	Assessment	0.03 J	17	135	0.004 J	< 0.005 U	0.04 J	1.47	2.27	0.16	0.184	0.011	< 0.002 U	1.06	< 0.03 U	0.04 J
8/15/2018	Assessment	0.03 J	18.8	149	0.004 J	< 0.005 U	0.116	1.45	1.167	0.23	0.095	0.005	--	1.12	< 0.03 U	0.04 J
5/24/2019	Assessment	0.04 J	25.3	157	< 0.02 U	< 0.01 U	0.07 J	1.12	1.054	0.23	0.04 J	0.01 J	< 0.002 U	1 J	0.04 J	< 0.1 U
6/25/2019	Assessment	< 0.1 U	17.8	134	< 0.1 U	< 0.05 U	< 0.2 U	1.29	2.118	0.21	< 0.1 U	0.01 J	< 0.002 U	< 2 U	< 0.2 U	< 0.5 U
9/12/2019	Assessment	0.05 J	22.3	154	< 0.02 U	< 0.01 U	0.1 J	1.42	1.679	0.20	0.1 J	0.00628	< 0.002 U	1 J	< 0.03 U	< 0.1 U
3/10/2020	Assessment	< 0.02 U	25.7	149	< 0.02 U	< 0.01 U	0.1 J	1.12	1.641	0.21	< 0.05 U	0.00517	< 0.002 U	1 J	0.04 J	< 0.1 U
5/20/2020	Assessment	0.16	54.2	139	< 0.02 U	< 0.01 U	0.227	1.26	1.169	0.23	0.2 J	0.00520	< 0.002 U	1 J	0.06 J	< 0.1 U
11/13/2020	Assessment	0.09 J	28.1	126	< 0.02 U	< 0.01 U	0.232	1.24	1.672	0.21	0.2 J	0.00513	< 0.002 U	1 J	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1605S
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	0.48	76.6	51.0	0.55	7.1	167	576
7/19/2016	Background	0.438	72.6	53.1	0.55	7.2	174	586
9/19/2016	Background	0.482	79.1	54.0	0.51	7.3	179	594
11/16/2016	Background	0.584	84.0	49.7	0.53	7.1	186	599
1/10/2017	Background	0.533	78.5	48.2	0.43	7.2	170	584
3/7/2017	Background	0.608	71.2	52.0	0.55	7.2	180	564
5/9/2017	Background	0.470	79.9	50.1	0.50	7.2	181	606
7/17/2017	Background	0.490	68.6	47.5	0.43	7.1	177	582
10/3/2017	Detection	0.539	71.6	44.1	0.46	7.1	175	578
12/11/2017	Detection	--	--	42.5	0.53	7.2	164	--
1/4/2018	Detection	0.616	--	--	0.48	7.7	168	614
6/5/2018	Assessment	0.461	71	46.5	0.58	7.6	154	592
8/15/2018	Assessment	0.029	45.8	46.5	0.59	7.1	153	573
5/24/2019	Assessment	0.415	76.0	46.1	0.61	7.3	147	586
6/27/2019	Assessment	0.438	72.0	46.3	0.63	7.2	150	595
9/12/2019	Assessment	0.431	77.0	49.4	0.54	7.0	162	593
3/10/2020	Assessment	--	--	--	0.56	6.9	--	--
5/21/2020	Assessment	0.501	84.7	55.5	0.60	6.9	195	656
11/13/2020	Assessment	0.555	72.7	48.4	0.54	6.9	167	609

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1605S
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.04 J	0.52	8.07	< 0.005 U	0.03	0.2	0.471	0.2307	0.55	0.116	0.13	< 0.002 U	2.52	1.3	0.02 J
7/19/2016	Background	0.10	0.60	8.65	< 0.005 U	0.04	0.4	0.856	0.39	0.55	0.223	0.017	< 0.002 U	2.20	1.0	0.02 J
9/19/2016	Background	0.04 J	0.42	7.61	< 0.005 U	0.03	0.9	0.443	0.15	0.51	0.049	0.015	< 0.002 U	1.83	1.0	0.03 J
11/16/2016	Background	0.05	0.36	7.76	< 0.005 U	0.04	0.108	0.355	0.964	0.53	0.021	0.021	< 0.002 U	1.79	1.1	0.03 J
1/10/2017	Background	0.06	0.50	8.33	< 0.005 U	0.04	0.135	0.401	1.6248	0.43	0.02 J	0.016	< 0.002 U	2.01	1.1	0.060
3/7/2017	Background	0.04 J	0.39	8.72	< 0.005 U	0.03	0.279	0.307	0.339	0.55	0.033	0.015	< 0.002 U	1.85	0.5	0.03 J
5/9/2017	Background	0.05	0.45	8.41	0.020	0.03	0.247	0.370	0.255	0.50	0.020	0.013	0.005	1.81	0.9	0.050
7/17/2017	Background	0.04 J	0.42	8.55	< 0.004 U	0.03	0.113	0.336	1.254	0.43	0.026	0.015	< 0.002 U	1.73	1.2	0.03 J
6/5/2018	Assessment	0.04 J	0.42	8.63	0.004 J	0.03	0.093	0.321	0.705	0.58	0.042	0.016	< 0.002 U	1.75	0.6	0.05 J
8/15/2018	Assessment	0.04 J	0.20	10.9	< 0.004 U	0.03	0.078	0.087	0.1783	0.59	0.041	0.007	--	1.13	5.4	0.02 J
5/24/2019	Assessment	0.15	2.84	15.4	0.04 J	0.11	0.636	3.91	0.2689	0.61	1.96	0.02 J	< 0.002 U	2 J	0.3	< 0.1 U
6/27/2019	Assessment	0.11	2.44	12.5	0.04 J	0.07	0.536	2.46	0.245	0.63	1.52	< 0.009 U	< 0.002 U	2 J	0.5	0.1 J
9/12/2019	Assessment	0.04 J	0.61	6.72	< 0.02 U	0.04 J	0.09 J	0.469	0.00129	0.54	0.1 J	0.0108	< 0.002 U	2.07	2.0	< 0.1 U
3/10/2020	Assessment	0.04 J	1.57	11.9	0.02 J	0.05 J	1.13	2.11	1.8805	0.56	0.920	0.0119	< 0.002 U	2 J	0.3	< 0.1 U
5/21/2020	Assessment	0.05 J	0.59	8.92	< 0.02 U	0.04 J	0.2 J	0.575	1.007	0.60	0.2 J	0.0113	< 0.002 U	1 J	0.4	< 0.1 U
11/13/2020	Assessment	0.03 J	0.47	6.32	< 0.02 U	0.04 J	1.12	0.377	2.5781	0.54	< 0.05 U	0.0105	< 0.002 U	2.21	0.8	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1606D
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	0.020	67.5	21.3	0.23	7.1	13.9	290
7/19/2016	Background	0.018	69.9	20.8	0.20	5.9	12.8	298
9/19/2016	Background	0.020	72.3	21.7	0.19	7.3	13.2	290
11/16/2016	Background	0.017	77.1	22.0	0.19	7.2	16.4	301
1/10/2017	Background	0.012	75.5	21.6	0.16	7.2	12.8	284
3/6/2017	Background	0.073	69.9	22.3	0.18	7.2	8.7	325
5/9/2017	Background	0.034	78.1	22.3	0.17	6.9	14.4	308
7/18/2017	Background	0.028	69.3	21.6	0.15	8.4	13.5	307
10/3/2017	Detection	0.022	74.4	22.3	0.16	7.0	17.1	308
12/11/2017	Detection	--	--	22.6	0.17	7.1	19.4	--
6/6/2018	Assessment	0.044	72	23.1	0.19	8.0	19.9	331
8/15/2018	Assessment	0.028	80.5	23.9	0.20	7.3	21.5	329
5/24/2019	Assessment	0.02 J	75.7	25.0	0.20	7.2	19.6	330
6/24/2019	Assessment	0.02 J	80.8	25.2	0.19	7.3	21.0	329
9/12/2019	Assessment	< 0.02 U	76.7	26.9	0.18	7.3	25.6	361
3/9/2020	Assessment	--	--	--	0.17	6.9	--	--
5/20/2020	Assessment	0.03 J	89.7	29.9	0.20	6.9	30.7	354
11/16/2020	Assessment	< 0.02 U	81.1	28.9	0.18	7.3	30.8	371

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1606D
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.03 J	11.5	327	0.01 J	< 0.004 U	0.5	0.508	0.551	0.23	0.214	0.003	< 0.002 U	3.82	0.06 J	< 0.01 U
7/19/2016	Background	0.02 J	13.7	372	< 0.005 U	< 0.004 U	0.3	0.178	0.464	0.20	0.086	0.009	< 0.002 U	2.10	0.05 J	< 0.01 U
9/19/2016	Background	0.01 J	13.4	378	< 0.005 U	< 0.004 U	0.1	0.113	1.152	0.19	< 0.004 U	0.002	< 0.002 U	2.00	< 0.03 U	< 0.01 U
11/16/2016	Background	0.01 J	14.4	419	< 0.005 U	< 0.004 U	0.138	0.102	0.333	0.19	< 0.004 U	0.002	< 0.002 U	2.21	< 0.03 U	< 0.01 U
1/10/2017	Background	0.03 J	13.9	383	0.034	0.02 J	0.160	0.109	1.612	0.16	0.023	< 0.0002 U	< 0.002 U	2.46	0.04 J	0.124
3/6/2017	Background	0.01 J	13.5	374	< 0.005 U	< 0.004 U	0.667	0.098	0.924	0.18	0.02 J	0.007	< 0.002 U	2.00	< 0.03 U	< 0.01 U
5/9/2017	Background	0.05	14.3	370	0.020	0.02	0.153	0.086	2.3	0.17	0.020	0.004	0.005	2.07	0.1	0.050
7/18/2017	Background	0.02 J	14.8	401	< 0.004 U	< 0.005 U	0.131	0.084	1.584	0.15	0.01 J	0.006	< 0.002 U	1.85	< 0.03 U	< 0.01 U
6/6/2018	Assessment	< 0.01 U	14.7	392	0.004 J	< 0.005 U	0.04 J	0.07	1.5971	0.19	0.008 J	0.005	< 0.002 U	1.77	< 0.03 U	0.03 J
8/15/2018	Assessment	0.04 J	16.9	431	0.006 J	0.007 J	0.148	0.117	0.56	0.20	0.141	0.002	--	1.77	< 0.03 U	0.02 J
5/24/2019	Assessment	< 0.02 U	17.4	447	< 0.02 U	< 0.01 U	0.1 J	0.066	0.946	0.20	< 0.02 U	< 0.009 U	< 0.002 U	2 J	< 0.03 U	< 0.1 U
6/24/2019	Assessment	< 0.02 U	17.5	431	< 0.02 U	< 0.01 U	0.1 J	0.068	0.809	0.19	0.02 J	< 0.009 U	< 0.002 U	2 J	< 0.03 U	< 0.1 U
9/12/2019	Assessment	< 0.02 U	17.4	458	< 0.02 U	< 0.01 U	0.09 J	0.085	0.593	0.18	< 0.05 U	0.000651	< 0.002 U	2 J	< 0.03 U	< 0.1 U
3/9/2020	Assessment	< 0.02 U	17.2	470	0.02 J	< 0.01 U	0.05 J	0.053	0.98	0.17	0.05 J	0.000659	< 0.002 U	2 J	< 0.03 U	< 0.1 U
5/20/2020	Assessment	< 0.02 U	17.9	472	< 0.02 U	< 0.01 U	0.07 J	0.063	0.939	0.20	0.2 J	0.000622	< 0.002 U	2.13	0.09 J	< 0.1 U
11/16/2020	Assessment	< 0.02 U	17.7	467	< 0.02 U	< 0.01 U	0.287	0.052	0.924	0.18	< 0.05 U	0.000564	< 0.002 U	2 J	0.04 J	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1606I
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	0.011	66.6	23.9	0.22	7.0	42.3	300
7/19/2016	Background	0.013	62.0	25.1	0.21	5.0	42.9	350
9/19/2016	Background	< 0.002 U	62.8	24.2	0.19	7.2	36.7	314
11/16/2016	Background	0.014	70.7	25.0	0.21	7.3	42.6	325
1/10/2017	Background	0.007	68.0	24.5	0.17	7.4	39.3	326
3/6/2017	Background	0.025	64.1	23.8	0.19	7.4	37.8	317
5/9/2017	Background	0.070	67.8	23.0	0.19	7.4	36.8	318
7/18/2017	Background	0.023	55.5	22.6	0.17	6.7	37.1	304
10/3/2017	Detection	0.021	57.8	23.0	0.18	7.1	38.4	304
12/11/2017	Detection	--	--	23	0.19	7.1	37.9	--
6/6/2018	Assessment	0.053	78.2	31.5	0.2	8.1	52.4	392
8/15/2018	Assessment	0.031	86.3	25.4	0.21	7.3	50.3	387
5/21/2019	Assessment	0.02 J	79.5	29.8	0.16	8.6	55.5	407
6/26/2019	Assessment	< 0.02 U	86.8	31.5	0.18	7.2	51.0	406
9/12/2019	Assessment	< 0.02 U	72.8	20.1	0.18	7.4	47.9	367
3/9/2020	Assessment	--	--	--	0.19	7.0	--	--
5/20/2020	Assessment	< 0.02 U	74.7	19.2	0.21	6.9	43.8	340
11/16/2020	Assessment	< 0.02 U	60.9	19.9	0.21	7.4	39.1	309

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1606I
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.03 J	3.00	49.4	< 0.005 U	0.004 J	0.2	0.929	1.347	0.22	0.166	0.004	< 0.002 U	1.64	0.05 J	0.03 J
7/19/2016	Background	0.03 J	3.99	54.0	< 0.005 U	< 0.004 U	0.4	0.823	1.286	0.21	0.037	0.013	< 0.002 U	1.57	< 0.03 U	0.03 J
9/19/2016	Background	0.02 J	4.99	46.7	< 0.005 U	< 0.004 U	0.1	0.733	1.104	0.19	0.02 J	0.009	< 0.002 U	1.50	< 0.03 U	0.03 J
11/16/2016	Background	0.02 J	4.59	48.1	< 0.005 U	< 0.004 U	0.070	0.700	0.951	0.21	< 0.004 U	0.008	< 0.002 U	1.83	< 0.03 U	0.04 J
1/10/2017	Background	0.02 J	5.11	53.6	0.007 J	0.01 J	0.138	0.921	4.283	0.17	0.022	0.005	< 0.002 U	2.12	< 0.03 U	0.05 J
3/6/2017	Background	0.02 J	5.07	54.7	< 0.005 U	< 0.004 U	0.524	0.950	0.934	0.19	0.032	0.007	< 0.002 U	1.78	0.03 J	0.04 J
5/9/2017	Background	0.05	4.81	49.9	0.020	0.02	0.179	1.26	0.677	0.19	0.071	0.008	0.005	1.27	0.1	0.050
7/18/2017	Background	0.02 J	4.72	51.1	< 0.004 U	< 0.005 U	0.097	1.06	0.813	0.17	0.043	0.008	< 0.002 U	1.11	< 0.03 U	0.04 J
6/6/2018	Assessment	0.03 J	5.69	67.3	< 0.004 U	< 0.005 U	0.083	1.49	1.252	0.2	0.026	0.007	< 0.002 U	0.98	< 0.03 U	0.05 J
8/15/2018	Assessment	0.03 J	9.11	85.2	< 0.004 U	0.005 J	0.061	1.95	0.3912	0.21	0.034	0.006	--	1.34	< 0.03 U	0.083
5/21/2019	Assessment	< 0.02 U	7.69	74.5	< 0.02 U	< 0.01 U	< 0.04 U	1.56	0.562	0.16	< 0.02 U	< 0.009 U	< 0.002 U	0.8 J	< 0.03 U	< 0.1 U
6/25/2019	Assessment	< 0.1 U	7.96	78.1	< 0.1 U	< 0.05 U	< 0.2 U	1.80	1.214	0.18	< 0.1 U	0.01 J	< 0.002 U	< 2 U	< 0.2 U	< 0.5 U
9/12/2019	Assessment	0.02 J	11.2	76.7	< 0.02 U	< 0.01 U	0.1 J	1.58	0.947	0.18	< 0.05 U	0.00405	< 0.002 U	1 J	< 0.03 U	< 0.1 U
3/9/2020	Assessment	< 0.02 U	8.69	65.2	< 0.02 U	< 0.01 U	0.05 J	1.23	0.993	0.19	< 0.05 U	0.00348	< 0.002 U	1 J	0.05 J	< 0.1 U
5/20/2020	Assessment	< 0.02 U	8.40	61.8	< 0.02 U	< 0.01 U	0.1 J	1.28	0.663	0.21	0.2 J	0.00326	< 0.002 U	1 J	0.03 J	< 0.1 U
11/16/2020	Assessment	< 0.02 U	9.37	60.8	< 0.02 U	< 0.01 U	0.2 J	1.26	0.968	0.21	< 0.05 U	0.00361	< 0.002 U	1 J	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1606S
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
6/7/2016	Background	0.024	55.8	30.6	0.46	6.9	47.6	410
7/19/2016	Background	0.019	46.0	24.0	0.43	7.1	38.1	386
9/19/2016	Background	< 0.002 U	44.4	18.7	0.40	7.1	31.8	316
11/16/2016	Background	0.020	54.1	26.6	0.40	6.9	40.0	358
1/10/2017	Background	0.014	48.5	22.1	0.31	6.7	30.5	351
3/7/2017	Background	0.054	47.2	23.9	0.41	7.1	33.2	331
5/9/2017	Background	0.020	52.7	24.7	0.38	7.0	37.5	377
7/18/2017	Background	0.090	44.7	22.8	0.37	6.9	36.8	367
10/3/2017	Detection	0.026	43.4	24.1	0.41	6.6	35.6	363
12/11/2017	Detection	--	--	24	0.41	6.6	36.8	--
1/4/2018	Detection	--	--	--	0.42	7.4	--	--
6/6/2018	Assessment	0.029	50.9	25.5	0.46	7.8	52.6	398
8/15/2018	Assessment	0.563	76.1	20.7	0.47	6.9	34.9	316
5/21/2019	Assessment	0.05 J	48.9	26.6	0.47	7.9	64.5	416
6/25/2019	Assessment	0.03 J	49.8	25.0	0.45	7.0	41.7	380
9/12/2019	Assessment	0.02 J	44.4	24.4	0.54	7.0	41.9	376
3/9/2020	Assessment	--	--	--	0.58	6.8	--	--
5/20/2020	Assessment	0.05 J	48.4	25.1	0.63	6.9	46.9	375
11/16/2020	Assessment	< 0.02 U	40.5	21.7	0.56	6.8	32.7	337

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1606S
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
6/7/2016	Background	0.08	0.26	12.5	< 0.005 U	0.02	0.1	0.090	0.7867	0.46	0.145	0.012	< 0.002 U	1.91	3.3	0.02 J
7/19/2016	Background	0.06	0.23	11.5	< 0.005 U	0.02 J	0.5	0.052	0.94	0.43	0.034	0.017	< 0.002 U	1.56	4.0	< 0.01 U
9/19/2016	Background	0.05 J	0.22	9.34	< 0.005 U	0.01 J	0.2	0.038	0.75	0.40	0.020	0.010	< 0.002 U	1.32	5.7	0.01 J
11/16/2016	Background	0.05 J	0.20	11.1	< 0.005 U	0.02 J	0.148	0.038	0.574	0.40	0.004 J	0.013	< 0.002 U	1.02	3.1	0.01 J
1/10/2017	Background	0.04 J	0.24	10.7	0.01 J	0.02 J	1.29	0.141	2.025	0.31	0.097	0.006	< 0.002 U	1.11	4.2	0.02 J
3/7/2017	Background	0.07	0.60	16.7	0.024	0.06	1.25	0.883	1.822	0.41	1.33	0.011	< 0.002 U	1.22	4.5	0.03 J
5/9/2017	Background	0.05	0.29	12.0	0.020	0.03	0.277	0.371	0.193	0.38	0.355	0.010	0.005	0.90	6.0	0.050
7/18/2017	Background	0.05	0.32	12.6	0.01 J	0.03	0.259	0.363	0.268	0.37	0.386	0.010	< 0.002 U	1.08	4.7	0.02 J
6/6/2018	Assessment	0.05 J	0.2	13.6	0.005 J	0.03	0.108	0.092	0.496	0.46	0.032	0.012	< 0.002 U	1.19	2.7	0.03 J
8/15/2018	Assessment	0.04 J	0.44	8.22	0.004 J	0.04	0.251	0.338	1.146	0.47	0.028	0.013	--	1.89	1.6	0.078
5/21/2019	Assessment	0.14	0.19	16.7	< 0.02 U	0.05 J	0.1 J	0.094	0.668	0.47	< 0.02 U	< 0.009 U	< 0.002 U	0.9 J	3.3	< 0.1 U
6/25/2019	Assessment	< 0.1 U	0.2 J	14.4	< 0.1 U	0.06 J	< 0.2 U	< 0.1 U	0.0646	0.45	< 0.1 U	0.01 J	< 0.002 U	< 2 U	2.9	< 0.5 U
9/12/2019	Assessment	0.03 J	0.17	11.8	< 0.02 U	0.03 J	0.08 J	0.051	0.1052	0.54	< 0.05 U	0.00814	< 0.002 U	1 J	2.8	< 0.1 U
3/9/2020	Assessment	< 0.02 U	0.17	10.7	< 0.02 U	0.02 J	0.2 J	0.05 J	0.00206	0.58	< 0.05 U	0.00787	< 0.002 U	1 J	4.4	< 0.1 U
5/20/2020	Assessment	0.04 J	0.20	13.6	< 0.02 U	0.03 J	0.294	0.081	0.4706	0.63	< 0.05 U	0.00858	< 0.002 U	1 J	3.2	< 0.1 U
11/16/2020	Assessment	0.03 J	0.17	11.5	< 0.02 U	0.03 J	0.286	0.05 J	1.328	0.56	< 0.05 U	0.00846	< 0.002 U	1 J	4.7	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1701D
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
12/12/2017	Detection	0.054	71.8	20.1	0.28	7.3	44	378
2/8/2018	Assessment	0.066	70.8	19.9	0.3	7.5	45.3	402
6/5/2018	Assessment	0.041	68.1	13.7	0.34	7.3	36.8	700
8/14/2018	Assessment	0.060	77.0	14.1	0.36	7.2	39.8	369
9/24/2018	Assessment	0.047	71.6	15.2	0.33	7.5	40.0	366
10/29/2018	Assessment	0.125	76.5	15.4	0.32	7.8	40.7	362
11/12/2018	Assessment	0.114	76.7	15.7	0.35	7.1	40	358
5/20/2019	Assessment	0.02 J	66.8	14.0	0.32	7.2	43.5	371
6/25/2019	Assessment	0.02 J	70.8	14.9	0.32	7.1	39.0	387
9/9/2019	Assessment	0.02 J	70.5	16.0	0.31	7.0	36.6	376
3/10/2020	Assessment	--	--	--	0.33	7.0	--	--
5/21/2020	Assessment	0.02 J	72.8	14.7	0.36	7.5	43.4	368
11/17/2020	Assessment	0.02 J	71.1	16.8	0.33	7.0	40.3	379

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1701D
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
2/8/2018	Assessment	0.03 J	9.3	65	< 0.004 U	0.009 J	0.104	1.75	1.33	0.3	0.065	0.01	< 0.002 U	1.37	0.04 J	0.03 J
6/5/2018	Assessment	0.02 J	10.6	63.7	0.005 J	0.02 J	0.103	1.56	2.346	0.34	0.096	0.012	< 0.002 U	1.38	< 0.03 U	0.03 J
8/14/2018	Assessment	0.01 J	10.2	65.2	< 0.004 U	< 0.005 U	0.060	1.68	0.929	0.36	0.021	0.008	--	1.38	< 0.03 U	0.03 J
9/24/2018	Assessment	< 0.01 U	10.1	64.0	< 0.004 U	0.005 J	0.076	1.71	0.564	0.33	0.074	< 0.0002 U	--	1.33	< 0.03 U	0.02 J
10/29/2018	Assessment	< 0.02 U	9.79	65.9	< 0.02 U	< 0.01 U	0.1 J	1.66	0.417	0.32	0.04 J	< 0.009 U	--	1 J	< 0.03 U	< 0.1 U
11/12/2018	Assessment	< 0.02 U	9.1	62.2	< 0.02 U	< 0.01 U	0.1 J	1.6	0.972	0.35	0.04 J	< 0.009 U	--	1 J	< 0.03 U	< 0.1 U
5/20/2019	Assessment	< 0.02 U	9.55	65.1	< 0.02 U	< 0.01 U	0.2 J	1.59	0.702	0.32	< 0.02 U	< 0.009 U	< 0.002 U	1 J	< 0.03 U	< 0.1 U
6/25/2019	Assessment	< 0.1 U	9.58	64.6	< 0.1 U	< 0.05 U	< 0.2 U	1.62	2.63	0.32	< 0.1 U	0.01 J	< 0.002 U	< 2 U	0.2 J	< 0.5 U
9/9/2019	Assessment	< 0.02 U	9.37	65.0	< 0.02 U	< 0.01 U	0.2 J	1.53	0.341	0.31	< 0.05 U	0.00691	< 0.002 U	1 J	< 0.03 U	< 0.1 U
3/10/2020	Assessment	< 0.02 U	9.31	61.4	< 0.02 U	< 0.01 U	0.06 J	1.48	0.546	0.33	< 0.05 U	0.00654	< 0.002 U	1 J	0.03 J	< 0.1 U
5/21/2020	Assessment	< 0.02 U	9.40	62.4	< 0.02 U	< 0.01 U	0.1 J	1.48	1.095	0.36	< 0.05 U	0.00636	< 0.002 U	1 J	< 0.03 U	< 0.1 U
11/17/2020	Assessment	< 0.02 U	9.58	64.4	< 0.02 U	< 0.01 U	0.209	1.59	1.585	0.33	< 0.05 U	0.00659	< 0.002 U	1 J	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1701I
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
12/12/2017	Detection	0.066	65.4	13.5	0.33	7.3	40.7	338
2/8/2018	Assessment	0.095	63.7	14.5	0.38	7.7	43.1	363
6/5/2018	Assessment	0.044	65.5	14.1	0.44	7.4	36.5	328
8/14/2018	Assessment	0.052	67.9	14.5	0.39	7.2	34.8	352
9/24/2018	Assessment	0.038	68.9	14.9	0.41	7.6	35.0	346
10/31/2018	Assessment	0.104	62.4	14.8	0.4	7.9	34.8	338
11/12/2018	Assessment	0.166	71.7	14.5	0.42	7.3	35	322
5/20/2019	Assessment	0.02 J	59.6	12.8	0.40	7.3	39.8	345
6/25/2019	Assessment	0.02 J	69.4	12.8	0.41	7.7	36.3	388
9/9/2019	Assessment	< 0.02 U	65.1	12.9	0.38	7.3	34.5	339
3/10/2020	Assessment	--	--	--	0.41	6.8	--	--
5/21/2020	Assessment	< 0.02 U	73.3	13.0	0.43	7.2	39.8	349
11/17/2020	Assessment	< 0.02 U	68.4	13.1	0.43	6.9	36.5	341

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1701I
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
2/8/2018	Assessment	0.07	9.17	46.8	< 0.004 U	0.01 J	0.184	1.34	1.06	0.38	0.26	0.007	< 0.002 U	2.52	0.07 J	0.03 J
6/5/2018	Assessment	0.05	8.07	42.7	0.021	0.02 J	0.446	1.87	0.658	0.44	0.564	0.01	< 0.002 U	1.15	0.2	0.05 J
8/14/2018	Assessment	0.04 J	6.42	38.3	0.004 J	0.01 J	0.085	1.10	0.3144	0.39	0.108	0.002	--	1.01	< 0.03 U	0.02 J
9/24/2018	Assessment	0.23	9.38	41.2	0.008 J	0.02 J	0.371	1.62	0.335	0.41	0.497	0.002	--	1.67	0.1	0.01 J
10/31/2018	Assessment	0.25	6.69	40.7	< 0.02 U	0.03 J	0.337	1.12	0.304	0.4	0.403	0.02 J	--	1 J	0.07 J	< 0.1 U
11/12/2018	Assessment	0.1	6.77	40.3	< 0.02 U	< 0.01 U	0.2 J	1.19	0.579	0.42	0.09 J	< 0.009 U	--	1 J	< 0.03 U	< 0.1 U
5/20/2019	Assessment	0.14	12.8	41.5	< 0.02 U	0.02 J	0.09 J	1.16	0.628	0.40	0.09 J	< 0.009 U	< 0.002 U	1 J	< 0.03 U	< 0.1 U
6/25/2019	Assessment	< 0.1 U	9.47	41.9	< 0.1 U	< 0.05 U	< 0.2 U	1.16	0.116	0.41	< 0.1 U	0.01 J	< 0.002 U	< 2 U	< 0.2 U	< 0.5 U
9/9/2019	Assessment	0.21	7.92	40.6	< 0.02 U	< 0.01 U	0.08 J	0.843	0.781	0.38	0.08 J	0.00561	< 0.002 U	1 J	< 0.03 U	< 0.1 U
3/10/2020	Assessment	0.20	14.3	46.8	< 0.02 U	0.02 J	0.256	1.42	1.233	0.41	0.384	0.00594	< 0.002 U	1 J	0.1 J	< 0.1 U
5/21/2020	Assessment	0.13	11.9	41.9	< 0.02 U	0.01 J	0.2 J	1.32	0.943	0.43	0.276	0.00549	< 0.002 U	1 J	0.06 J	< 0.1 U
11/17/2020	Assessment	0.06 J	9.93	41.4	< 0.02 U	< 0.01 U	0.231	1.17	1.337	0.43	0.07 J	0.00553	< 0.002 U	1 J	0.04 J	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1701S
Rockport - BAP
Appendix III Constituents

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
12/12/2017	Detection	0.051	58.1	18.6	0.35	7.5	21.1	288
2/8/2018	Assessment	0.025	56.6	19	0.36	7.8	21.6	334
6/4/2018	Assessment	0.032	59.2	19.4	0.38	7.4	21.3	368
8/14/2018	Assessment	0.056	64.1	19.6	0.36	7.3	20.4	329
9/25/2018	Assessment	0.035	60.7	19.6	0.37	6.6	20.3	316
10/29/2018	Assessment	0.129	63.7	19.1	0.38	7.2	18.8	312
11/12/2018	Assessment	0.139	63.6	19.1	0.39	7.5	18.9	318
5/20/2019	Assessment	< 0.02 U	56.5	19.7	0.42	7.2	20.0	320
6/25/2019	Assessment	0.02 J	63.5	19.6	0.37	7.3	20.7	353
9/9/2019	Assessment	< 0.02 U	57.0	20.0	0.37	7.2	17.8	332
3/10/2020	Assessment	--	--	--	0.39	7.1	--	--
5/21/2020	Assessment	< 0.02 U	67.8	21.6	0.41	7.3	19.6	348
11/17/2020	Assessment	< 0.02 U	61.3	21.1	0.4	6.9	17.1	322

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1701S
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
2/8/2018	Assessment	0.14	0.39	9.51	< 0.004 U	0.03	0.256	0.198	0.356	0.36	0.176	0.007	< 0.002 U	0.85	0.4	0.03 J
6/4/2018	Assessment	0.07	0.38	5.2	< 0.004 U	0.009 J	0.05 J	0.087	1.053	0.38	0.023	0.009	< 0.002 U	0.68	0.6	0.01 J
8/14/2018	Assessment	0.04 J	0.37	9.34	< 0.004 U	0.008 J	0.065	0.092	0.3729	0.36	0.028	0.002	--	0.69	0.4	0.02 J
9/25/2018	Assessment	0.12	0.38	8.55	< 0.004 U	0.008 J	0.03 J	0.096	1.02	0.37	0.021	0.002	--	0.69	0.4	< 0.01 U
10/29/2018	Assessment	0.07 J	0.39	13.2	< 0.02 U	0.02 J	0.1 J	0.091	0.1291	0.38	0.06 J	< 0.009 U	--	0.7 J	0.4	< 0.1 U
11/12/2018	Assessment	0.08 J	0.37	8.2	< 0.02 U	0.01 J	0.2 J	0.092	0.2239	0.39	0.05 J	< 0.009 U	--	0.7 J	0.4	< 0.1 U
5/20/2019	Assessment	0.06 J	0.41	18.7	< 0.02 U	0.04 J	0.2 J	0.053	0.0249	0.42	0.06 J	< 0.009 U	< 0.002 U	0.7 J	0.3	< 0.1 U
6/25/2019	Assessment	< 0.1 U	0.4 J	8.08	< 0.1 U	< 0.05 U	< 0.2 U	0.2 J	0.931	0.37	< 0.1 U	0.01 J	< 0.002 U	< 2 U	0.5 J	< 0.5 U
9/9/2019	Assessment	0.16	0.38	16.8	< 0.02 U	< 0.01 U	0.1 J	0.073	0.327	0.37	< 0.05 U	0.00556	< 0.002 U	0.7 J	0.3	< 0.1 U
3/10/2020	Assessment	0.03 J	0.41	11.4	< 0.02 U	0.02 J	0.2 J	0.087	0.597	0.39	< 0.05 U	0.00537	< 0.002 U	0.7 J	0.3	< 0.1 U
5/21/2020	Assessment	0.05 J	0.39	10.4	< 0.02 U	0.01 J	0.1 J	0.075	0.472	0.41	< 0.05 U	0.00499	< 0.002 U	0.6 J	0.3	< 0.1 U
11/17/2020	Assessment	0.04 J	0.41	12.3	< 0.02 U	0.01 J	0.504	0.08	1.675	0.4	< 0.05 U	0.00508	< 0.002 U	0.7 J	0.3	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1702D
Rockport - BAP
Appendix III Constituents

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
12/12/2017	Detection	0.105	74.3	30.3	0.19	7.2	39.9	362
2/9/2018	Assessment	0.042	76.1	30.5	0.19	8.0	41.3	386
6/4/2018	Assessment	0.024	78.5	31.6	0.24	7.1	39.9	372
8/14/2018	Assessment	0.071	80.7	30.7	0.20	6.8	38.1	379
9/26/2018	Assessment	0.096	80.0	31.2	0.20	7.1	37.8	392
10/30/2018	Assessment	0.06 J	87.2	30.9	0.2	8.2	37.3	394
11/12/2018	Assessment	0.06 J	89.8	31.5	0.21	7.4	37.3	374
5/20/2019	Assessment	0.02 J	78.7	30.5	0.18	7.0	38.9	402
6/26/2019	Assessment	0.02 J	80.0	30.4	0.17	7.6	39.0	388
9/10/2019	Assessment	< 0.02 U	86.6	30.6	0.20	7.1	37.9	384
3/9/2020	Assessment	--	--	--	0.19	7.0	--	--
5/21/2020	Assessment	< 0.02 U	88.2	31.5	0.22	7.1	39.2	393
11/17/2020	Assessment	< 0.02 U	86.5	30.6	0.2	6.8	37	384

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1702D
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
2/9/2018	Assessment	0.25	22.5	212	< 0.004 U	0.02 J	0.389	0.877	0.977	0.19	0.27	0.007	< 0.002 U	5.91	0.09 J	0.03 J
6/4/2018	Assessment	0.18	25.2	208	0.005 J	0.02	0.105	0.698	1.345	0.24	0.052	0.009	< 0.002 U	4.18	< 0.03 U	0.02 J
8/14/2018	Assessment	0.15	21.3	191	< 0.004 U	0.02 J	0.091	0.590	0.949	0.20	0.026	0.002	--	3.68	< 0.03 U	0.03 J
9/26/2018	Assessment	0.18	22.0	211	< 0.004 U	0.01 J	0.069	0.564	1.084	0.20	0.230	0.008	--	3.38	< 0.03 U	0.02 J
10/30/2018	Assessment	0.1	22.5	204	< 0.02 U	0.01 J	0.08 J	0.581	0.784	0.2	0.02 J	< 0.009 U	--	2.77	0.03 J	< 0.1 U
11/12/2018	Assessment	0.08 J	20.2	199	< 0.02 U	0.02 J	0.1 J	0.498	1.167	0.21	0.03 J	< 0.009 U	--	2.53	< 0.03 U	< 0.1 U
5/20/2019	Assessment	0.08 J	25.6	223	< 0.02 U	0.02 J	0.1 J	0.686	1.207	0.18	0.04 J	< 0.009 U	< 0.002 U	2.43	< 0.03 U	< 0.1 U
6/26/2019	Assessment	0.07 J	24.4	209	< 0.02 U	0.02 J	0.08 J	0.601	0.689	0.17	0.07 J	0.02 J	< 0.002 U	2.15	0.03 J	< 0.1 U
9/10/2019	Assessment	0.04 J	22.1	203	< 0.02 U	< 0.01 U	0.1 J	0.536	0.639	0.20	< 0.05 U	0.00456	< 0.002 U	2.16	< 0.03 U	< 0.1 U
3/9/2020	Assessment	0.02 J	21.2	207	< 0.02 U	0.02 J	0.07 J	0.534	1.102	0.19	< 0.05 U	0.00430	< 0.002 U	2 J	0.04 J	< 0.1 U
5/21/2020	Assessment	0.08 J	20.3	199	< 0.02 U	0.04 J	0.2 J	0.517	1.047	0.22	< 0.05 U	0.00398	< 0.002 U	2 J	0.07 J	< 0.1 U
11/17/2020	Assessment	0.05 J	21	206	< 0.02 U	< 0.01 U	0.2 J	0.519	1.1	0.2	< 0.05 U	0.00416	< 0.002 U	2 J	0.03 J	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1702I
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
12/12/2017	Detection	0.037	76.2	27.1	0.2	7.2	45.4	376
2/9/2018	Assessment	0.045	72.7	27.6	0.22	7.8	46.6	377
6/4/2018	Assessment	0.081	76.2	28.7	0.24	7.1	43.4	760
8/13/2018	Assessment	0.051	81.1	29.0	0.22	6.6	41.5	382
9/25/2018	Assessment	0.056	78.9	29.8	0.23	6.8	41.9	398
10/30/2018	Assessment	0.07 J	81.7	29.2	0.23	7.8	41.9	392
11/12/2018	Assessment	0.07 J	82.7	29.9	0.24	6.8	41.9	364
5/20/2019	Assessment	0.02 J	73.2	28.8	0.21	6.9	44.5	376
6/25/2019	Assessment	0.02 J	74.7	28.5	0.20	7.3	44.7	376
9/10/2019	Assessment	< 0.02 U	80.2	28.9	0.24	7.1	43.6	384
3/11/2020	Assessment	--	--	--	0.22	7.1	--	--
5/21/2020	Assessment	< 0.02 U	83.3	29.7	0.25	7.1	44.1	376
11/17/2020	Assessment	< 0.02 U	76.5	29	0.23	6.8	41.6	394

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

Table 1 - Groundwater Data Summary: MW-1702I
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
2/9/2018	Assessment	0.05 J	42.3	109	0.007 J	0.01 J	1.49	2.15	1.324	0.22	0.337	0.004	< 0.002 U	7.9	0.1	0.04 J
6/4/2018	Assessment	0.07	28.1	109	0.007 J	0.06	0.129	1.29	1.969	0.24	0.247	0.009	< 0.002 U	1.91	0.08 J	0.054
8/13/2018	Assessment	0.10	28.9	102	0.004 J	0.02 J	0.146	1.35	1.243	0.22	0.074	0.002	--	1.89	0.05 J	0.102
9/25/2018	Assessment	0.44	39.6	114	< 0.004 U	0.01 J	0.050	1.70	0.3854	0.23	0.087	0.003	--	2.04	0.04 J	0.05 J
10/30/2018	Assessment	0.14	43	113	< 0.02 U	0.22	0.1 J	1.57	1.364	0.23	0.129	< 0.009 U	--	2 J	0.05 J	< 0.1 U
11/12/2018	Assessment	0.18	37.3	109	< 0.02 U	0.05	0.1 J	1.52	0.746	0.24	0.09 J	< 0.009 U	--	2 J	0.04 J	< 0.1 U
5/20/2019	Assessment	0.07 J	49.5	115	< 0.02 U	0.01 J	0.05 J	1.43	1.519	0.21	0.05 J	< 0.009 U	< 0.002 U	2 J	0.05 J	< 0.1 U
6/25/2019	Assessment	0.07 J	54.1	114	< 0.02 U	0.02 J	0.07 J	1.78	0.467	0.20	0.1 J	0.02 J	< 0.002 U	2 J	0.07 J	< 0.1 U
9/10/2019	Assessment	0.08 J	55.8	112	< 0.02 U	< 0.01 U	0.1 J	1.60	0.584	0.24	0.06 J	0.00469	< 0.002 U	2.03	< 0.03 U	< 0.1 U
3/11/2020	Assessment	0.12	67.5	121	< 0.02 U	0.13	0.852	3.15	1.081	0.22	0.678	0.00453	< 0.002 U	2 J	0.1 J	< 0.1 U
5/21/2020	Assessment	0.08 J	38.7	108	< 0.02 U	0.02 J	0.2 J	1.53	1.589	0.25	0.1 J	0.00415	< 0.002 U	2 J	0.06 J	< 0.1 U
11/17/2020	Assessment	0.12	65.4	113	< 0.02 U	0.05	0.204	1.66	1.671	0.23	0.1 J	0.00429	< 0.002 U	2 J	< 0.03 U	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Table 1 - Groundwater Data Summary: MW-1702S
Rockport - BAP
Appendix III Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
12/12/2017	Detection	0.051	33.6	13.4	0.49	7.3	22.7	254
2/9/2018	Assessment	0.042	29.7	14	0.62	7.9	22.2	281
6/4/2018	Assessment	0.059	38.4	14.4	0.57	7.0	26.7	276
8/13/2018	Assessment	0.057	36.9	13.6	0.55	6.3	22.0	272
9/25/2018	Assessment	0.041	36.2	14.1	0.54	6.6	20.7	266
10/30/2018	Assessment	0.09 J	34.9	14.1	0.61	7.5	17.1	256
11/12/2018	Assessment	0.1 J	41.5	14.5	0.56	6.8	21.5	246
5/20/2019	Assessment	0.03 J	27.1	14.7	0.70	6.8	20.8	272
6/25/2019	Assessment	0.04 J	36.7	14.6	0.59	7.2	22.3	284
9/10/2019	Assessment	0.04 J	35.6	16.5	0.63	6.7	19.2	284
3/11/2020	Assessment	--	--	--	0.63	7.2	--	--
5/21/2020	Assessment	0.03 J	37.2	14.3	0.67	7.0	23.0	276
11/17/2020	Assessment	0.04 J	32.7	13.9	0.64	6.5	17.6	259

Notes:
mg/L: milligrams per liter
SU: standard unit
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed

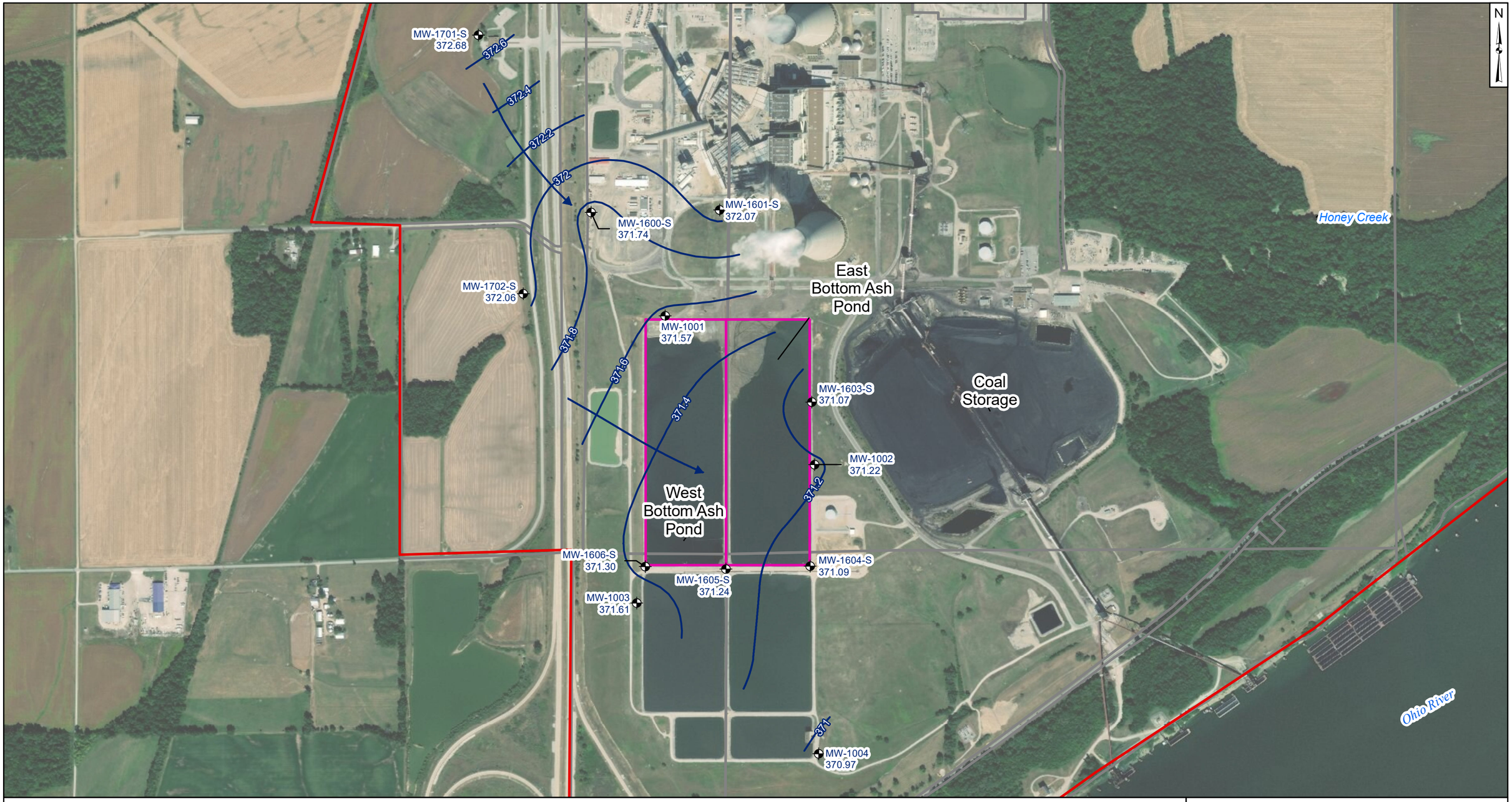
Table 1 - Groundwater Data Summary: MW-1702S
Rockport - BAP
Appendix IV Constituents

Geosyntec Consultants, Inc.

Collection Date	Monitoring Program	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Combined Radium	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	pCi/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
2/9/2018	Assessment	0.05 J	0.72	9.81	< 0.004 U	0.006 J	0.212	0.258	0.00483	0.62	0.223	< 0.0002 U	< 0.002 U	1.09	1.1	0.01 J
6/4/2018	Assessment	0.05 J	0.45	7.67	< 0.004 U	0.04	0.124	0.07	1.231	0.57	0.077	0.006	< 0.002 U	1.42	3.8	0.01 J
8/13/2018	Assessment	0.13	0.47	7.14	0.005 J	0.05	0.175	0.173	0.1628	0.55	0.188	< 0.0002 U	--	1.15	1.8	0.03 J
9/25/2018	Assessment	0.08	0.44	5.97	< 0.004 U	0.008 J	0.130	0.104	0.421	0.54	0.079	< 0.0002 U	--	1.20	1.2	< 0.01 U
10/30/2018	Assessment	0.05 J	0.48	5.5	< 0.02 U	0.11	0.2 J	0.05 J	0.0859	0.61	0.08 J	< 0.009 U	--	1 J	1	< 0.1 U
11/12/2018	Assessment	0.04 J	0.42	6.27	< 0.02 U	0.03 J	0.2 J	0.272	0.107	0.56	0.229	< 0.009 U	--	1 J	1.5	< 0.1 U
5/20/2019	Assessment	0.09 J	0.45	5.92	< 0.02 U	0.28	0.475	0.058	0.56253	0.70	0.373	< 0.009 U	< 0.002 U	1 J	1.5	< 0.1 U
6/25/2019	Assessment	< 0.1 U	0.4 J	5.71	< 0.1 U	< 0.05 U	0.2 J	< 0.1 U	0.357	0.59	< 0.1 U	< 0.009 U	< 0.002 U	< 2 U	2.4	< 0.5 U
9/10/2019	Assessment	0.08 J	0.43	4.87	< 0.02 U	0.01 J	0.215	0.096	0.2432	0.63	0.1 J	0.00127	< 0.002 U	1 J	1.3	< 0.1 U
3/11/2020	Assessment	0.04 J	0.42	4.46	< 0.02 U	0.01 J	0.335	0.03 J	1.1358	0.63	< 0.05 U	0.00128	< 0.002 U	1 J	1.8	< 0.1 U
5/21/2020	Assessment	0.03 J	0.37	4.79	< 0.02 U	< 0.01 U	0.208	< 0.02 U	1.14	0.67	< 0.05 U	0.00106	< 0.002 U	1 J	1.8	< 0.1 U
11/17/2020	Assessment	0.07 J	0.37	4.22	< 0.02 U	0.05 J	0.278	0.03 J	1.17	0.64	< 0.05 U	0.00116	< 0.002 U	1 J	1.3	< 0.1 U

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
<: Non-detect value. Parameters which were not detected are shown as less than the method detection limit (MDL) followed by a 'U' flag.
J: Estimated value. Parameter was detected at concentration below the reporting limit
- -: Not analyzed
pCi/L: picocuries per liter

Groundwater Flow Direction Maps



Legend

- Groundwater Monitoring Well
- Approximate Groundwater Flow Direction
- Groundwater Elevation Contour
- Property Boundary
- Parcel Boundaries
- Bottom Ash Ponds

Notes

- Monitoring well coordinates and water level data (collected on March 9, 2020) provided by AEP.
- Site features based on information available in the Groundwater Monitoring Network Evaluation (AMEC, 2016) provided by AEP.
- Property and parcel boundaries taken from Spencer County Assessor.
- Only shallow screened wells were used for generating groundwater contours.
- Groundwater elevation units are feet above mean sea level.

750 375 0 750
Feet

Potentiometric Surface Map - Uppermost Aquifer
March 2020

AEP-Rockport Power Plant - Bottom Ash Ponds
Rockport, Indiana

Geosyntec consultants

Columbus, Ohio | 2020/06/12

Figure **2**

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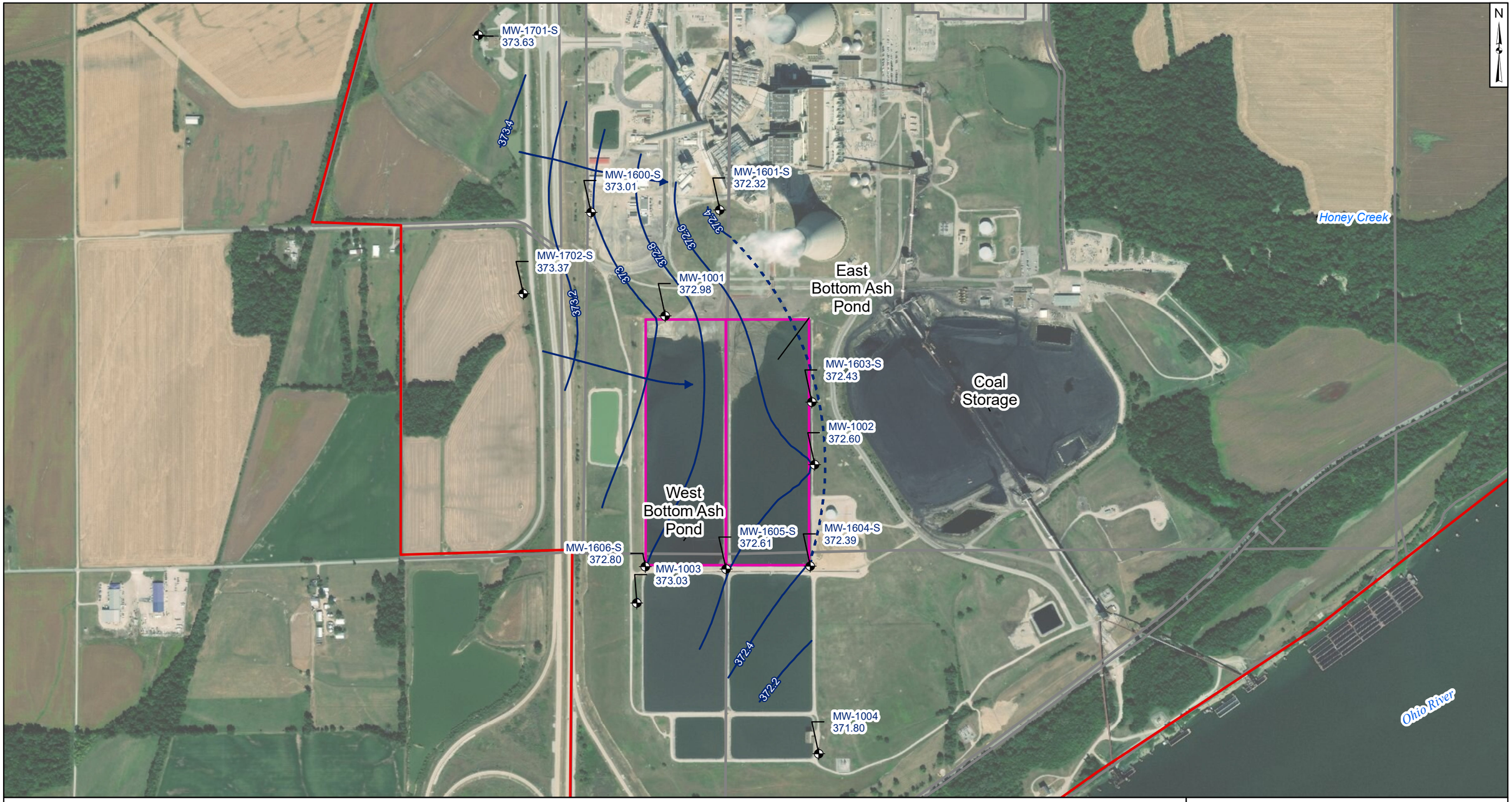

Legend

- Groundwater Monitoring Well
- Groundwater Elevation Contour (Inferred)
- Approximate Groundwater Flow Direction
- Groundwater Elevation Contour
- Property Boundary
- Parcel Boundaries
- Bottom Ash Ponds

Notes:

- Monitoring well coordinates and water level data (collected on May 18, 2020) provided by AEP.
- Site features based on information available in the Groundwater Monitoring Network Evaluation (AMEC, 2016) provided by AEP.
- Property and parcel boundaries taken from Spencer County Assessor.
- Only shallow screened wells were used for generating groundwater contours.
- Groundwater elevation units are feet above mean sea level.

Potentiometric Surface Map - Uppermost Aquifer
May 2020

AEP-Rockport Power Plant - Bottom Ash Ponds
Rockport, Indiana

Geosyntec consultants

Columbus, Ohio | 2020/06/19

Figure **3**

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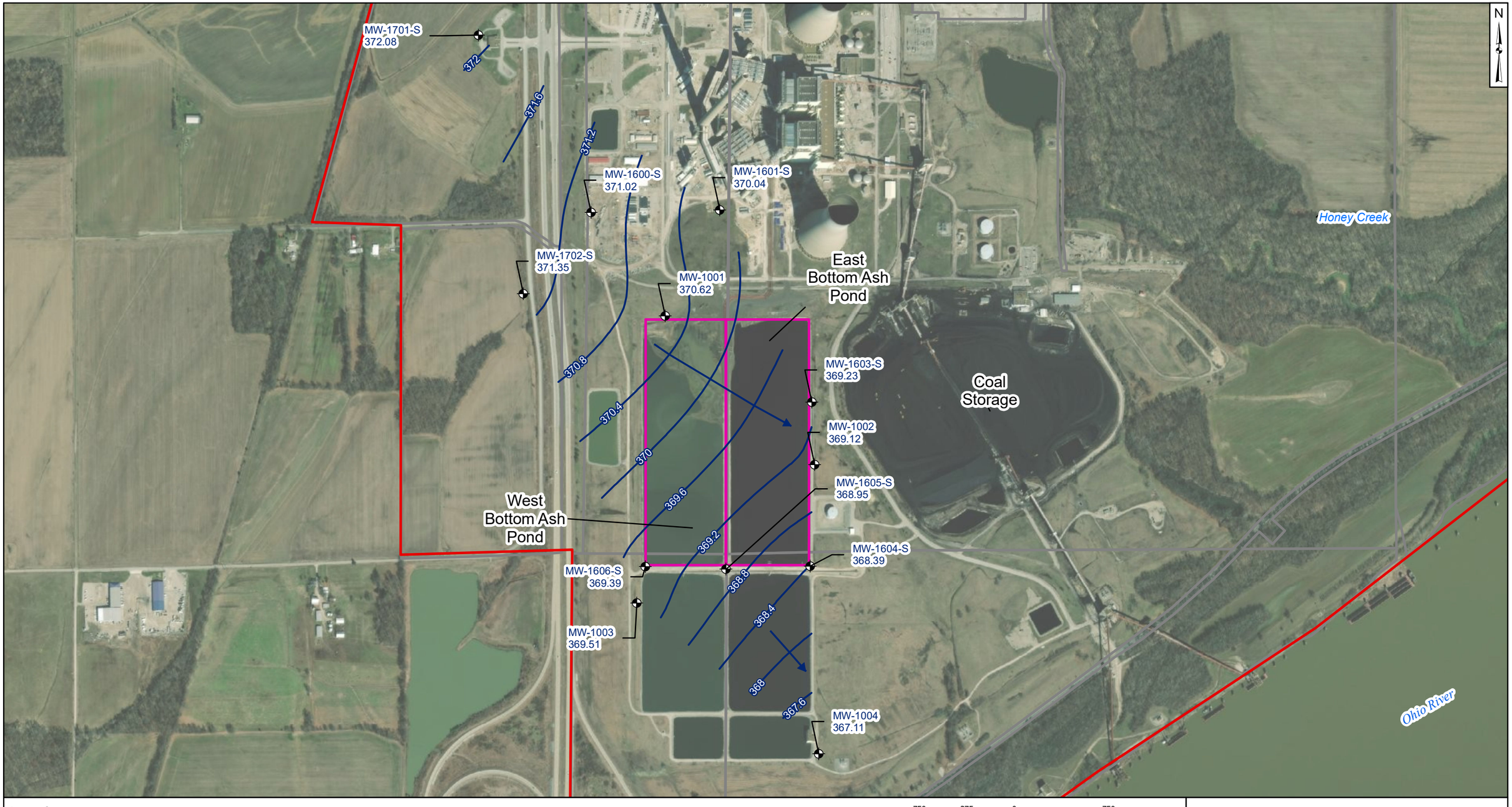

Legend

- Groundwater Monitoring Well
- Groundwater Elevation Contour (Inferred)
- Approximate Groundwater Flow Direction
- Groundwater Elevation Contour
- Property Boundary
- Parcel Boundaries
- Bottom Ash Ponds

Notes:

- Monitoring well coordinates and water level data (collected on November 10, 2020) provided by AEP.
- Site features based on information available in the Groundwater Monitoring Network Evaluation (AMEC, 2016) provided by AEP.
- Property and parcel boundaries taken from Spencer County Assessor.
- Only shallow screened wells were used for generating groundwater contours.
- Groundwater elevation units are feet above mean sea level.

750 375 0 750 Feet

Potentiometric Surface Map - Uppermost Aquifer November 2020

AEP-Rockport Power Plant - Bottom Ash Ponds
Rockport, Indiana

Geosyntec consultants

Columbus, Ohio | 2021/01/14

Figure 4

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Groundwater Flow Velocity Calculations

Table 2: Residence Time Calculation Summary
Rockport - Bottom Ash Ponds

Geosyntec Consultants, Inc.

			2016-06		2016-07		2016-09		2016-11	
CCR Management Unit	Monitoring Well	Well Diameter (inches)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)
Bottom Ash Ponds	MW-1600D [1]	2.0	119	0.51	21.6	2.8	110	0.56	106	0.57
	MW-1600I [1]	2.0	369	0.16	259	0.23	285	0.21	186	0.33
	MW-1600S [1]	2.0	239	0.25	367	0.17	351	0.17	346	0.18
	MW-1601D [1]	2.0	338	0.18	503	0.12	360	0.17	439	0.14
	MW-1601I [1]	2.0	240	0.25	401	0.15	83	0.73	362	0.17
	MW-1601S [1]	2.0	53	1.1	244	0.25	499	0.12	200	0.30
	MW-1002 [2]	2.0	715	0.09	865	0.07	759	0.08	1,058	0.06
	MW-1602D [2]	2.0	329	0.19	234	0.26	45	1.4	216	0.28
	MW-1602I [2]	2.0	429	0.14	491	0.12	335	0.18	691	0.09
	MW-1603D [2]	2.0	769	0.08	269	0.23	155	0.39	1,138	0.05
	MW-1603I [2]	2.0	96	0.63	528	0.12	494	0.12	650	0.09
	MW-1603S [2]	2.0	48	1.3	538	0.11	484	0.13	813	0.07
	MW-1604D [2]	2.0	441	0.14	376	0.16	378	0.16	442	0.14
	MW-1604I [2]	2.0	486	0.13	474	0.13	318	0.19	596	0.10
	MW-1604S [2]	2.0	477	0.13	474	0.13	556	0.11	618	0.10
	MW-1605D [2]	2.0	617	0.10	713	0.09	750	0.08	711	0.09
	MW-1605I [2]	2.0	372	0.16	370	0.16	300	0.20	339	0.18
	MW-1605S [2]	2.0	408	0.15	480	0.13	506	0.12	452	0.13
	MW-1606D [2]	2.0	417	0.15	464	0.13	431	0.14	386	0.16
	MW-1606I [2]	2.0	427	0.14	464	0.13	453	0.13	405	0.15
	MW-1606S [2]	2.0	385	0.16	377	0.16	295	0.21	313	0.19

Table 2: Residence Time Calculation Summary
Rockport - Bottom Ash Ponds

Geosyntec Consultants, Inc.

			2017-01		2017-03		2017-05		2017-07		2017-10	
CCR Management Unit	Monitoring Well	Well Diameter (inches)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)
Bottom Ash Ponds	MW-1600D [1]	2.0	50	1.2	176	0.35	93	0.66	228	0.27	293	0.21
	MW-1600I [1]	2.0	199	0.31	257	0.24	23.2	2.6	282	0.22	414	0.15
	MW-1600S [1]	2.0	299	0.20	286	0.21	278	0.22	315	0.19	475	0.13
	MW-1601D [1]	2.0	328	0.19	178	0.34	237	0.26	311	0.20	146	0.42
	MW-1601I [1]	2.0	202	0.30	190	0.32	75	0.81	292	0.21	379	0.16
	MW-1601S [1]	2.0	50	1.2	71	0.85	151	0.40	165	0.37	583	0.10
	MW-1002 [2]	2.0	826	0.07	16.4	3.7	451	0.13	860	0.07	40,365	0.002
	MW-1602D [2]	2.0	535	0.11	287	0.21	100	0.61	89	0.68	5,175	0.01
	MW-1602I [2]	2.0	616	0.10	296	0.21	50	1.2	415	0.15	518	0.12
	MW-1603D [2]	2.0	660	0.09	1,630	0.04	13.5	4.5	538	0.11	734	0.08
	MW-1603I [2]	2.0	406	0.15	210	0.29	162	0.38	293	0.21	286	0.21
	MW-1603S [2]	2.0	127	0.48	294	0.21	135	0.45	326	0.19	304	0.20
	MW-1604D [2]	2.0	283	0.21	293	0.21	241	0.25	600	0.10	155	0.39
	MW-1604I [2]	2.0	324	0.19	108	0.56	232	0.26	423	0.14	465	0.13
	MW-1604S [2]	2.0	315	0.19	249	0.24	218	0.28	459	0.13	465	0.13
	MW-1605D [2]	2.0	1,261	0.05	406	0.15	443	0.14	622	0.10	749	0.08
	MW-1605I [2]	2.0	578	0.11	102	0.60	159	0.38	266	0.23	657	0.09
	MW-1605S [2]	2.0	762	0.08	61	1.0	230	0.26	355	0.17	461	0.13
	MW-1606D [2]	2.0	509	0.12	171	0.36	228	0.27	370	0.16	654	0.09
	MW-1606I [2]	2.0	519	0.12	156	0.39	237	0.26	409	0.15	654	0.09
	MW-1606S [2]	2.0	453	0.13	15.6	3.9	210	0.29	273	0.22	218	0.28

Notes:
[1] - Upgradient Well
[2] - Downgradient Well

Table 2: Residence Time Calculation Summary
Rockport - Bottom Ash Ponds

Geosyntec Consultants, Inc.

CCR Management Unit	Monitoring Well	Well Diameter (inches)	2018-06		2018-08	
			Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)
Bottom Ash Ponds	MW-1600D [1]	2.0	283	0.21	214	0.28
	MW-1600I [1]	2.0	338	0.18	326	0.19
	MW-1600S [1]	2.0	711	0.09	382	0.16
	MW-1601D [1]	2.0	303	0.20	2,723	0.02
	MW-1601I [1]	2.0	36	1.70	1,914	0.03
	MW-1601S [1]	2.0	286	0.21	294	0.21
	MW-1002 [2]	2.0	347	0.18	590	0.10
	MW-1602D [2]	2.0	220	0.28	238	0.26
	MW-1602I [2]	2.0	149	0.41	386	0.16
	MW-1603D [2]	2.0	224	0.27	119	0.51
	MW-1603I [2]	2.0	69	0.88	199	0.31
	MW-1603S [2]	2.0	69	0.88	71	0.86
	MW-1604D [2]	2.0	284	0.21	1,040	0.06
	MW-1604I [2]	2.0	427	0.14	676	0.09
	MW-1604S [2]	2.0	379	0.16	728	0.08
	MW-1605D [2]	2.0	908	0.07	196	0.31
	MW-1605I [2]	2.0	738	0.08	980	0.06
	MW-1605S [2]	2.0	341	0.18	588	0.10
	MW-1606D [2]	2.0	377	0.16	550	0.11
	MW-1606I [2]	2.0	468	0.13	640	0.10
	MW-1606S [2]	2.0	347	0.18	486	0.13

Notes:
[1] - Upgradient Well
[2] - Downgradient Well

Table 2: Residence Time Calculation Summary
Rockport - Bottom Ash Ponds

Geosyntec Consultants, Inc.

			2019-05		2019-06		2019-09	
CCR Management Unit	Monitoring Well	Well Diameter (inches)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)
Bottom Ash Ponds	MW-1600D [1]	2.0	94	0.65	371	0.16	22	2.7
	MW-1600I [1]	2.0	228	0.27	482	0.13	289	0.21
	MW-1600S [1]	2.0	295	0.21	549	0.11	511	0.12
	MW-1601D [1]	2.0	166	0.37	293	0.21	430	0.14
	MW-1601I [1]	2.0	300	0.20	407	0.15	502	0.12
	MW-1601S [1]	2.0	517	0.12	603	0.10	662	0.09
	MW-1002 [2]	2.0	223	0.27	303	0.20	564	0.11
	MW-1602D [2]	2.0	2,786	0.02	780	0.08	771	0.08
	MW-1602I [2]	2.0	1,671	0.04	589	0.10	674	0.09
	MW-1603D [2]	2.0	569	0.11	180	0.34	209	0.29
	MW-1603I [2]	2.0	399	0.15	1,981	0.03	237	0.26
	MW-1603S [2]	2.0	399	0.15	1,889	0.03	279	0.22
	MW-1604D [2]	2.0	451	0.13	940	0.06	820	0.07
	MW-1604I [2]	2.0	400	0.15	646	0.09	763	0.08
	MW-1604S [2]	2.0	389	0.16	352	0.17	660	0.09
	MW-1605D [2]	2.0	586	0.10	594	0.10	224	0.27
	MW-1605I [2]	2.0	358	0.17	291	0.21	863	0.07
	MW-1605S [2]	2.0	402	0.15	349	0.17	703	0.09
	MW-1606D [2]	2.0	370	0.16	345	0.18	668	0.09
	MW-1606I [2]	2.0	347	0.18	249	0.24	739	0.08
	MW-1606S [2]	2.0	303	0.20	287	0.21	528	0.12

Notes:
[1] - Upgradient Well
[2] - Downgradient Well

Table 2: Residence Time Calculation Summary
Rockport - Bottom Ash Ponds

Geosyntec Consultants, Inc.

			2020-03		2020-05		2020-11	
CCR Management Unit	Monitoring Well	Well Diameter (inches)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)	Groundwater Velocity (ft/year)	Groundwater Residence Time (days)
Bottom Ash Ponds	MW-1600D [1]	2.0	1,603	0.04	128	0.47	63	0.96
	MW-1600I [1]	2.0	1,042	0.06	256	0.24	360	0.17
	MW-1600S [1]	2.0	481	0.13	337	0.18	465	0.13
	MW-1601D [1]	2.0	3,602	0.02	1,538	0.04	114	0.53
	MW-1601I [1]	2.0	4,503	0.01	577	0.11	305	0.20
	MW-1601S [1]	2.0	420	0.14	513	0.12	686	0.09
	MW-1002 [2]	2.0	193	0.31	1,428	0.04	353	0.17
	MW-1602D [2]	2.0	1,932	0.03	500	0.12	1,899	0.03
	MW-1602I [2]	2.0	1,063	0.06	214	0.28	1,016	0.06
	MW-1603D [2]	2.0	762	0.08	600	0.10	817	0.07
	MW-1603I [2]	2.0	367	0.17	172	0.35	577	0.11
	MW-1603S [2]	2.0	367	0.17	292	0.21	577	0.11
	MW-1604D [2]	2.0	287	0.21	307	0.20	886	0.07
	MW-1604I [2]	2.0	202	0.30	263	0.23	695	0.09
	MW-1604S [2]	2.0	186	0.33	230	0.26	713	0.09
	MW-1605D [2]	2.0	602	0.10	1,004	0.06	863	0.07
	MW-1605I [2]	2.0	86	0.71	244	0.25	609	0.10
	MW-1605S [2]	2.0	86	0.71	185	0.33	698	0.09
	MW-1606D [2]	2.0	453	0.13	250	0.24	523	0.12
	MW-1606I [2]	2.0	323	0.19	176	0.35	544	0.11
	MW-1606S [2]	2.0	647	0.09	185	0.33	397	0.15

Notes:
[1] - Upgradient Well
[2] - Downgradient Well

APPENDIX 2 – Statistical Analyses

The memorandums summarizing the statistical evaluation follow.

STATISTICAL ANALYSIS SUMMARY
BOTTOM ASH POND
Rockport Plant
Rockport, Indiana

Submitted to

AMERICAN ELECTRIC POWER℠

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Submitted by

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September 10, 2020

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TABLE OF CONTENTS

LIST OF TABLES

LIST OF ATTACHMENTS

LIST OF ACRONYMS AND ABBREVIATIONS

AEP	American Electric Power
BAP	Bottom Ash Pond
CCR	Coal Combustion Residuals
CCV	Continuing Calibration Verification
CFR	Code of Federal Regulations
GWPS	Groundwater Protection Standard
LCL	Lower Confidence Limit
LFB	Laboratory Fortified Blanks
LPL	Lower Prediction Limit
LRB	Laboratory Reagent Blanks
MCL	Maximum Contaminant Level
NELAP	National Environmental Laboratory Accreditation Program
QA	Quality Assurance
QC	Quality Control
SSI	Statistically Significant Increase
SSL	Statistically Significant Level
SU	Standard Units
TDS	Total Dissolved Solids
UPL	Upper Prediction Limit
USEPA	United States Environmental Protection Agency
UTL	Upper Tolerance Limit

SECTION 1

EXECUTIVE SUMMARY

In accordance with the United States Environmental Protection Agency's (USEPA's) regulations regarding the disposal of coal combustion residuals (CCR) in landfills and surface impoundments (40 CFR 257.90-257.98, "CCR rule"), groundwater monitoring has been conducted at the Bottom Ash Pond (BAP), an existing CCR unit at the Rockport Power Plant located in Rockport, Indiana.

Based on detection monitoring conducted in 2017 and 2018, statistically significant increases (SSIs) over background were concluded for boron, chloride, fluoride, total dissolved solids (TDS), and sulfate at the BAP. An alternative source was not identified at the time, so the BAP has been in assessment monitoring since 2018. During the most recent assessment monitoring event, completed in July 2019, Appendix III detections of boron, calcium, chloride, fluoride, sulfate, and TDS were observed above background levels and the unit remained in assessment monitoring (Geosyntec, 2019). Two assessment monitoring events were conducted at the BAP in March 2020 and May 2020, in accordance with 40 CFR 257.95. The statistical summary of the results of these assessment sampling events are documented in this report.

Prior to conducting the statistical analyses, the groundwater data underwent several validation tests, including those for completeness, sample tracking accuracy, transcription errors, and consistent use of measurement units. No data quality issues were identified which would impact data usability.

The monitoring data were submitted to Groundwater Stats Consulting, LLC for statistical analysis. Groundwater protection standards (GWPSs) were re-established for the Appendix IV parameters. Confidence intervals were calculated for Appendix IV parameters at the compliance wells to assess whether any were present at concentrations above the GWPSs. No statistically significant levels (SSLs) were identified; however, concentrations of Appendix III parameters remained above background. Thus, the unit will remain in assessment monitoring. Certification of the selected statistical methods by a qualified professional engineer is documented in Attachment A.

SECTION 2

BOTTOM ASH POND EVALUATION

2.1 Data Validation & QA/QC

During the assessment monitoring program, two sets of samples were collected for analysis from each upgradient and downgradient well to meet the requirements of 40 CFR 257.95(b) (March 2020) and 257.95(d)(1) (May 2020). Samples from the May 2020 sample event were analyzed for all Appendix III and Appendix IV parameters, whereas samples from the March 2020 event the were analyzed for Appendix IV parameters only. A summary of data collected during these assessment monitoring events may be found in Table 1.

Chemical analysis was completed by an analytical laboratory certified by the National Environmental Laboratory Accreditation Program (NELAP). Quality assurance and quality control (QA/QC) samples completed by the analytical laboratory included the use of laboratory reagent blanks (LRBs), continuing calibration verification (CCV) samples, and laboratory fortified blanks (LFBs).

The analytical data were imported into a Microsoft Access database, where checks were completed to assess the accuracy of sample location identification and analyte identification. Where necessary, unit conversions were applied to standardize reported units across all sampling events. Exported data files were created for use with the Sanitas™ v.9.6.25 statistics software. The export file was checked against the analytical data for transcription errors and completeness. No QA/QC issues were noted which would impact data usability.

2.2 Statistical Analysis

Statistical analyses for the BAP were conducted in accordance with the January 2017 *Statistical Analysis Plan* (AEP, 2017), except where noted below. Time series plots and results for all completed statistical tests are provided in Attachment B.

The data obtained in March and May 2020 were screened for potential outliers; however, no outliers were identified in either set of data (Attachment B).

2.2.1 Establishment of GWPSs

A GWPS was established for each Appendix IV parameter in accordance with 40 CFR 257.95(h) and the *Statistical Analysis Plan* (AEP, 2017). The established GWPS was determined to be the greater value of the background concentration and the maximum contaminant level (MCL) or risk-based level specified in 40 CFR 257.95(h)(2) for each Appendix IV parameter. To determine background concentrations, an upper tolerance limit (UTL) was calculated using pooled data from the background wells collected during the background monitoring and assessment monitoring events. When applicable, tolerance limits were calculated parametrically with 95% coverage and

95% confidence. Non-parametric tolerance limits were calculated for antimony, arsenic, barium, cadmium, chromium, cobalt, fluoride, lead, lithium, molybdenum, and selenium due to apparent non-normal distributions. Non-parametric tolerance limits were calculated for beryllium, mercury, and thallium because greater than 50% of the data was non-detect results. Tolerance limits and the final GWPSs are summarized in Table 2.

2.2.2 Evaluation of Potential Appendix IV SSLs

A confidence interval was constructed for each Appendix IV parameter at each compliance well. Confidence limits were generally calculated parametrically ($\alpha = 0.01$); however, non-parametric confidence limits were calculated in some cases (e.g., when the data did not appear to be normally distributed or when the non-detect frequency was too high). An SSL was concluded if the lower confidence limit (LCL) exceeded the GWPS (i.e., if the entire confidence interval exceeded the GWPS). Calculated confidence limits are shown in Attachment B.

No SSLs were identified at the Rockport BAP.

2.2.3 Evaluation of Potential Appendix III SSIs

The Appendix III results were analyzed to assess whether concentrations of Appendix III parameters at the compliance wells exceeded background concentrations. Data collected during the May 2020 assessment monitoring events from each compliance well were compared to the prediction limits to assess whether the results are above background values. The results from these events and the prediction limits are summarized in Table 3. The following exceedances of the upper prediction limits (UPLs) were noted:

- Boron concentrations exceeded the interwell UPL of 0.135 mg/L at MW-1002 (0.778 mg/L), MW-1630S (0.826 mg/L), MW-1604I (0.324 mg/L), MW-1604S (0.544 mg/L), and MW-1605S (0.501 mg/L).

- Calcium concentrations exceeded the intrawell UPL of 87.8 mg/L at MW-1602I (113 mg/L), and the intrawell UPL of 81.4 mg/L at MW-1606D (89.7 mg/L).

- Chloride concentrations exceeded the interwell UPL of 46.4 mg/L at MW-1602D (62.8 mg/L), MW-1602I (79.0 mg/L), and MW-1605S (55.5 mg/L).

- Fluoride concentrations exceeded the interwell UPL of 0.700 mg/L at MW-1002D (0.85 mg/L), MW-1603S (0.77 mg/L), and MW-1604S (1.26 mg/L).pH values exceeded the intrawell UPL of 7.9 SU for MW-1604S (8.1 SU).

- pH values exceeded the intrawell UPL of 7.9 SU at MW-1604S (8.1 SU).

- Sulfate concentrations exceeded the interwell UPL of 76.0 mg/L at MW-1002 (97.5 mg/L), MW-1602 (177 mg/L), MW-1603S (88.3 mg/L), MW-1604I (118 mg/L), MW-1604S (99.7 mg/L), MW-1605I (109 mg/L) and at MW-1605S (195 mg/L).

- TDS concentrations exceeded the interwell UPL of 465 mg/L at MW-1602I (627 mg/L), MW-1604I (496 mg/L), MW-1605I (476 mg/L), and MW-1605S (656 mg/L).

Additionally, the following decreases below the lower prediction limit (LPL) for pH were noted:

- pH values were below the intrawell UPL of 6.1SU for MW-1002 (5.9 SU), the intrawell UPL of 7.0 SU for MW-1604D (6.8 SU), and the intrawell UPL of 7.1 SU for MW-1605S (6.9 SU).

While the prediction limits were calculated for a one-of-two retesting procedure, SSIs were conservatively assumed if the May 2020 sample was above the UPL or below the LPL. Based on this evaluation, concentrations of Appendix III constituents appear to be above background concentrations and the unit will remain in assessment monitoring.

2.3 Conclusions

A semi-annual assessment monitoring event was conducted in accordance with the CCR Rule. The laboratory and field data were reviewed prior to statistical analysis, with no QA/QC issues identified that impacted data usability. A review of outliers identified no potential outliers in the 2020 data. GWPSs were re-established for the Appendix IV parameters. A confidence interval was constructed at each compliance well for each Appendix IV parameter; SSLs were concluded if the entire confidence interval exceeded the GWPSs. No SSLs were identified.

The Appendix III results were evaluated to assess whether concentrations of Appendix III parameters exceeded background levels. Boron, calcium, chloride, fluoride, pH, sulfate, and TDS results exceeded background levels at select downgradient wells.

Based on this evaluation, the Rockport BAP CCR unit will remain in assessment monitoring.

SECTION 3

REFERENCES

American Electric Power (AEP). 2017. Statistical Analysis Plan – Rockport Plant. January 2017.

Geosyntec Consultants (Geosyntec). 2019. Statistical Analysis Summary – Bottom Ash Pond, Rockport Plant, Rockport, Indiana. December 19, 2019.

TABLES

Table 1 - Groundwater Data Summary
Rockport Plant - Bottom Ash Pond

Geosyntec Consultants, Inc.

Parameter	Unit	MW-1002		MW-1600D		MW-1600I		MW-1600S		MW-1601D		MW-1601I	
		3/11/2020	5/20/2020	3/11/2020	5/21/2020	3/11/2020	5/21/2020	3/11/2020	5/21/2020	3/11/2020	5/21/2020	3/11/2020	5/21/2020
Antimony	µg/L	0.1 U	0.04 J	0.1 U	0.1 U	0.1 U	0.03 J	0.1 U	0.02 J	0.1 U	0.1 U	0.1 U	0.1 U
Arsenic	µg/L	0.21	0.19	15.3	25.3	16.8	17.9	0.40	0.40	10.7	10.9	17.4	17.2
Barium	µg/L	15.9	16.0	880	882	715	707	22.1	23.2	575	670	621	608
Beryllium	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Boron	mg/L	-	0.778	-	0.05 U	-	0.02 J	-	0.04 J	-	0.02 J	-	0.02 J
Cadmium	µg/L	0.02 J	0.04 J	0.05 U	0.05 U	0.01 J	0.08	0.05 U	0.09	0.05 U	0.05 J	0.05 U	0.05 U
Calcium	mg/L	-	42.0	-	91.1	-	82.5	-	66.6	-	88.5	-	87.8
Chloride	mg/L	-	35.9	-	31.0	-	25.7	-	30.7	-	32.4	-	31.5
Chromium	µg/L	0.2 U	0.09 J	0.2 J	0.1 J	0.2 J	0.205	0.1 J	0.2 J	0.1 J	0.1 J	0.1 J	0.1 J
Cobalt	µg/L	0.608	0.342	0.081	0.090	1.22	1.32	0.04 J	0.05 J	0.059	0.077	1.23	1.26
Combined Radium	pCi/L	1.96	0.999	2.38	1.46	2.22	2.90	0.22	0.662	0.789	1.67	1.2	0.90
Fluoride	mg/L	0.84	0.85	0.21	0.24	0.22	0.25	0.42	0.45	0.17	0.20	0.23	0.26
Lead	µg/L	0.2 U	0.2 U	0.2 U	0.06 J	0.1 J	0.201	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lithium	mg/L	0.00425	0.00316	0.00573	0.00535	0.00677	0.00643	0.0126	0.0135	0.00170	0.00265	0.00646	0.00621
Mercury	µg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Molybdenum	µg/L	8.51	9.65	2 J	2 J	1 J	2 J	0.5 J	0.4 J	2.77	2.12	2 J	2.10
Selenium	µg/L	0.1 J	0.07 J	0.2 U	0.06 J	0.2 U	0.2 U	0.4	0.4	0.04 J	0.2 U	0.2 U	0.2 U
Sulfate	mg/L	-	97.5	-	43.3	-	51.8	-	53.8	-	41.3	-	52.1
Thallium	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Dissolved Solids	mg/L	-	295	-	396	-	406	-	412	-	409	-	435
pH	SU	6.5	5.9	6.9	7.6	6.9	7.1	6.5	7.2	6.9	7.1	6.9	6.8

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
pCi/L: picocuries per liter
SU: standard unit
U: Non-detect value. For statistical analysis, parameters which were not detected were replaced with the reporting limit.
J: Estimated value. Parameter was detected in concentrations below the reporting limit.
-: Not analyzed

Table 1 - Groundwater Data Summary
Rockport Plant - Bottom Ash Pond

Parameter	Unit	MW-1601S		MW-1602D		MW-1602I		MW-1603D		MW-1603I		MW-1603S	
		3/11/2020	5/21/2020	3/11/2020	5/20/2020	3/11/2020	5/20/2020	3/10/2020	5/21/2020	3/10/2020	5/21/2020	3/10/2020	5/21/2020
Antimony	µg/L	0.1 U	0.1 U	0.03 J	0.1 U	0.1 U	0.03 J	0.1 U	0.1 U	0.1 U	0.03 J	0.1 U	0.03 J
Arsenic	µg/L	1.95	1.94	9.56	9.46	22.7	24.6	12.8	13.8	12.1	15.5	0.13	0.11
Barium	µg/L	37.9	36.2	439	412	118	142	120	120	80.3	89.5	10.4	7.53
Beryllium	µg/L	0.1 U	0.1 U	0.05 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Boron	mg/L	-	0.076	-	0.04 J	-	0.114	-	0.04 J	-	0.04 J	-	0.826
Cadmium	µg/L	0.05 U	0.05 U	0.01 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.01 J
Calcium	mg/L	-	82.3	-	74.2	-	113	-	82.2	-	82.4	-	47.5
Chloride	mg/L	-	40.6	-	62.8	-	79.0	-	25.6	-	37.9	-	31.1
Chromium	µg/L	0.2 J	0.227	1.32	0.354	0.2 U	0.09 J	0.07 J	0.275	0.1 J	0.09 J	0.335	0.325
Cobalt	µg/L	0.203	0.053	0.850	0.066	1.36	1.83	0.291	0.280	1.23	1.22	0.055	0.04 J
Combined Radium	pCi/L	1.65	0.084	2.25	0.87	0.616	0.665	1.17	0.721	1.06	1.00	0.489	0.579
Fluoride	mg/L	0.34	0.37	0.33	0.35	0.29	0.30	0.28	0.31	0.45	0.46	0.71	0.77
Lead	µg/L	0.05 J	0.2 U	0.864	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Lithium	mg/L	0.00618	0.00632	0.00291	0.00212	0.00566	0.00620	0.00380	0.00323	0.00720	0.00697	0.00225	0.00179
Mercury	µg/L	0.005 U	0.005 U	0.003 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Molybdenum	µg/L	1 J	1 J	3.13	3.38	2 J	2 J	4.00	3.62	5.52	5.08	2 U	2 U
Selenium	µg/L	0.9	1.5	0.2 J	0.07 J	0.2 U	0.1 J	0.03 J	0.04 J	0.2 U	0.2 U	0.2 J	0.1 J
Sulfate	mg/L	-	58.3	-	23.8	-	177	-	34.0	-	51.0	-	88.3
Thallium	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Dissolved Solids	mg/L	-	462	-	416	-	627	-	400	-	428	-	276
pH	SU	7.1	7.1	7.1	6.8	7.0	7.7	6.7	7.4	7.1	7.7	6.5	7.4

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
pCi/L: picocuries per liter
SU: standard unit
U: Non-detect value. For statistical analysis, parameters which were not detected were replaced with the reporting limit.
J: Estimated value. Parameter was detected in concentrations below the reporting limit.
-: Not analyzed

Table 1 - Groundwater Data Summary
Rockport Plant - Bottom Ash Pond

Parameter	Unit	MW-1604D		MW-1604I		MW-1604S		MW-1605D		MW-1605I		MW-1605S	
		3/11/2020	5/21/2020	3/10/2020	5/21/2020	3/10/2020	5/21/2020	3/9/2020	5/20/2020	3/10/2020	5/20/2020	3/10/2020	5/21/2020
Antimony	µg/L	0.1 U	0.1 U	0.1 U	0.02 J	0.02 J	0.06 J	0.1 U	0.1 U	0.1 U	0.16	0.04 J	0.05 J
Arsenic	µg/L	17.8	17.9	17.5	18.7	0.18	0.20	19.9	20.7	25.7	54.2	1.57	0.59
Barium	µg/L	228	242	96.7	102	13.0	12.9	448	436	149	139	11.9	8.92
Beryllium	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.02 J	0.1 U
Boron	mg/L	-	0.02 J	-	0.324	-	0.544	-	0.05 U	-	0.097	-	0.501
Cadmium	µg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.02 J	0.02 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 J	0.04 J
Calcium	mg/L	-	73.9	-	68.1	-	50.2	-	85.0	-	90.1	-	84.7
Chloride	mg/L	-	15.9	-	43.9	-	40.2	-	25.1	-	37.8	-	55.5
Chromium	µg/L	0.09 J	0.2 J	0.09 J	0.09 J	0.1 J	0.1 J	0.1 J	0.1 J	0.1 J	0.227	1.13	0.2 J
Cobalt	µg/L	0.052	0.05 J	0.831	0.763	0.384	0.297	0.069	0.074	1.12	1.26	2.11	0.575
Combined Radium	pCi/L	1.02	1.07	1.00	1.32	0.94	0.996	1.8	2.16	1.6	1.2	1.88	1.01
Fluoride	mg/L	0.26	0.30	0.35	0.40	1.05	1.26	0.20	0.23	0.21	0.23	0.56	0.60
Lead	µg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 J	0.920	0.2 J
Lithium	mg/L	0.00139	0.00140	0.00775	0.00714	0.00972	0.00689	0.00178	0.00180	0.00517	0.00520	0.0119	0.0113
Mercury	µg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Molybdenum	µg/L	2.22	2.35	2.10	2.19	2.90	3.09	2 J	2.05	1 J	1 J	2 J	1 J
Selenium	µg/L	0.2 U	0.2 U	0.2 U	0.07 J	0.07 J	0.1 J	0.04 J	0.05 J	0.04 J	0.06 J	0.3	0.4
Sulfate	mg/L	-	24.4	-	118	-	99.7	-	45.9	-	109	-	195
Thallium	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Dissolved Solids	mg/L	-	329	-	496	-	405	-	382	-	476	-	656
pH	SU	7.1	6.8	7.2	7.8	7.4	8.1	7.0	6.9	7.1	6.9	6.9	6.9

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
pCi/L: picocuries per liter
SU: standard unit
U: Non-detect value. For statistical analysis, parameters which were not detected were replaced with the reporting limit.
J: Estimated value. Parameter was detected in concentrations below the reporting limit.
-: Not analyzed

Table 1 - Groundwater Data Summary
Rockport Plant - Bottom Ash Pond

Parameter	Unit	MW-1606D		MW-1606I		MW-1606S		MW-1701D		MW-1701I		MW-1701S	
		3/9/2020	5/20/2020	3/9/2020	5/20/2020	3/9/2020	5/20/2020	3/10/2020	5/21/2020	3/10/2020	5/21/2020	3/10/2020	5/21/2020
Antimony	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.04 J	0.1 U	0.1 U	0.20	0.13	0.03 J	0.05 J
Arsenic	µg/L	17.2	17.9	8.69	8.40	0.17	0.20	9.31	9.40	14.3	11.9	0.41	0.39
Barium	µg/L	470	472	65.2	61.8	10.7	13.6	61.4	62.4	46.8	41.9	11.4	10.4
Beryllium	µg/L	0.02 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Boron	mg/L	-	0.03 J	-	0.05 U	-	0.05 J	-	0.02 J	-	0.05 U	-	0.05 U
Cadmium	µg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.02 J	0.03 J	0.05 U	0.05 U	0.02 J	0.01 J	0.02 J	0.01 J
Calcium	mg/L	-	89.7	-	74.7	-	48.4	-	72.8	-	73.3	-	67.8
Chloride	mg/L	-	29.9	-	19.2	-	25.1	-	14.7	-	13.0	-	21.6
Chromium	µg/L	0.05 J	0.07 J	0.05 J	0.1 J	0.2 J	0.294	0.06 J	0.1 J	0.256	0.2 J	0.2 J	0.1 J
Cobalt	µg/L	0.053	0.063	1.23	1.28	0.05 J	0.081	1.48	1.48	1.42	1.32	0.087	0.075
Combined Radium	pCi/L	0.980	0.939	0.993	0.663	0.00206	0.471	0.546	1.10	1.23	0.943	0.597	0.47
Fluoride	mg/L	0.17	0.20	0.19	0.21	0.58	0.63	0.33	0.36	0.41	0.43	0.39	0.41
Lead	µg/L	0.05 J	0.2 J	0.2 U	0.2 J	0.2 U	0.2 U	0.2 U	0.2 U	0.384	0.276	0.2 U	0.2 U
Lithium	mg/L	0.000659	0.000622	0.00348	0.00326	0.00787	0.00858	0.00654	0.00636	0.00594	0.00549	0.00537	0.00499
Mercury	µg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Molybdenum	µg/L	2 J	2.13	1 J	1 J	1 J	1 J	1 J	1 J	1 J	1 J	0.7 J	0.6 J
Selenium	µg/L	0.2 U	0.09 J	0.05 J	0.03 J	4.4	3.2	0.03 J	0.2 U	0.1 J	0.06 J	0.3	0.3
Sulfate	mg/L	-	30.7	-	43.8	-	46.9	-	43.4	-	39.8	-	19.6
Thallium	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Dissolved Solids	mg/L	-	354	-	340	-	375	-	368	-	349	-	348
pH	SU	6.9	6.9	7.0	6.9	6.8	6.9	7.0	7.5	6.8	7.2	7.1	7.2

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
pCi/L: picocuries per liter
SU: standard unit
U: Non-detect value. For statistical analysis, parameters which were not detected were replaced with the reporting limit.
J: Estimated value. Parameter was detected in concentrations below the reporting limit.
-: Not analyzed

Table 1 - Groundwater Data Summary
Rockport Plant - Bottom Ash Pond

Parameter	Unit	MW-1702D		MW-1702I		MW-1702S	
		3/9/2020	5/21/2020	3/9/2020	5/21/2020	3/9/2020	5/21/2020
Antimony	µg/L	0.02 J	0.08 J	0.12	0.08 J	0.04 J	0.03 J
Arsenic	µg/L	21.2	20.3	67.5	38.7	0.42	0.37
Barium	µg/L	207	199	121	108	4.46	4.79
Beryllium	µg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Boron	mg/L	-	0.05 U	-	0.05 U	-	0.03 J
Cadmium	µg/L	0.02 J	0.04 J	0.13	0.02 J	0.01 J	0.05 U
Calcium	mg/L	-	88.2	-	83.3	-	37.2
Chloride	mg/L	-	31.5	-	29.7	-	14.3
Chromium	µg/L	0.07 J	0.2 J	0.852	0.2 J	0.335	0.208
Cobalt	µg/L	0.534	0.517	3.15	1.53	0.03 J	0.05 U
Combined Radium	pCi/L	1.10	1.05	1	1.59	1.14	1.14
Fluoride	mg/L	0.19	0.22	0.22	0.25	0.63	0.67
Lead	µg/L	0.2 U	0.2 U	0.678	0.1 J	0.2 U	0.2 U
Lithium	mg/L	0.00430	0.00398	0.00453	0.00415	0.00128	0.00106
Mercury	µg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Molybdenum	µg/L	2 J	2 J	2 J	2 J	1 J	1 J
Selenium	µg/L	0.04 J	0.07 J	0.1 J	0.06 J	1.8	1.8
Sulfate	mg/L	-	39.2	-	44.1	-	23.0
Thallium	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Dissolved Solids	mg/L	-	393	-	376	-	276
pH	SU	7.0	7.1	7.1	7.1	7.2	7.0

Notes:
µg/L: micrograms per liter
mg/L: milligrams per liter
pCi/L: picocuries per liter
SU: standard unit
U: Non-detect value. For statistical analysis, parameters which were not detected were replaced with the reporting limit.
J: Estimated value. Parameter was detected in concentrations below the reporting limit.
-: Not analyzed

Table 2: Groundwater Protection Standards
Rockport Plant - Bottom Ash Pond

Constituent Name	MCL	CCR Rule-Specified	Calculated UTL
Antimony, Total (mg/L)	0.006		0.0003
Arsenic, Total (mg/L)	0.01		0.07
Barium, Total (mg/L)	2		1.0
Beryllium, Total (mg/L)	0.004		0.0001
Cadmium, Total (mg/L)	0.005		0.00028
Chromium, Total (mg/L)	0.1		0.0016
Cobalt, Total (mg/L)	n/a	0.006	0.018
Combined Radium, Total (pCi/L)	5		2.5
Fluoride, Total (mg/L)	4		0.70
Lead, Total (mg/L)	n/a	0.015	0.0011
Lithium, Total (mg/L)	n/a	0.04	0.038
Mercury, Total (mg/L)	0.002		0.000005
Molybdenum, Total (mg/L)	n/a	0.1	0.0087
Selenium, Total (mg/L)	0.05		0.0038
Thallium, Total (mg/L)	0.002		0.0005

Notes:
Grey cell indicates calculated UTL is higher than MCL or CCR Rule-specified value.
MCL = Maximum Contaminant Level
Calculated UTL (Upper Tolerance Limit) represents site-specific background values.
The higher of the calculated UTL or MCL/Rule-Specified Level is used as the GWPS.

Table 3 - Appendix III Data Summary
Rockport - Bottom Ash Pond

Geosyntec Consultants

Analyte	Unit	Description	MW-1002	MW-1602D	MW-1602I	MW-1603D	MW-1603I	MW-1603S	MW-1604D	MW-1604I	MW-1604S
			5/20/2020	5/20/2020	5/20/2020	5/21/2020	5/21/2020	5/21/2020	5/21/2020	5/21/2020	5/21/2020
Boron	mg/L	Interwell Background Value (UPL)	0.135								
		Analytical Result	**0.778**	0.04	0.114	0.04	0.04	**0.826**	0.02	**0.324**	**0.544**
Calcium	mg/L	Intrawell Background Value (UPL)	78.3	79.7	87.8	96.7	104	96.2	76.1	84.4	108
		Analytical Result	42.0	74.2	**113**	82.2	82.4	47.5	73.9	68.1	50.2
Chloride	mg/L	Interwell Background Value (UPL)	46.4								
		Analytical Result	35.9	**62.8**	**79.0**	25.6	37.9	31.1	15.9	43.9	40.2
Fluoride	mg/L	Interwell Background Value (UPL)	0.70								
		Analytical Result	**0.85**	0.35	0.30	0.31	0.46	**0.77**	0.30	0.40	**1.26**
pH	SU	Intrawell Background Value (UPL)	7.8	8.1	7.8	7.4	7.8	7.6	7.4	7.8	7.9
		Intrawell Background Value (LPL)	6.1	6.7	6.8	6.8	6.8	6.4	7.0	7.1	7.1
		Analytical Result	**5.9**	6.8	7.7	7.4	7.7	7.4	**6.8**	7.8	**8.1**
Sulfate	mg/L	Interwell Background Value (UPL)	76.0								
		Analytical Result	**97.5**	23.8	**177**	34.0	51.0	**88.3**	24.4	**118**	**99.7**
Total Dissolved Solids	mg/L	Interwell Background Value (UPL)	465								
		Analytical Result	295	416	**627**	400	428	276	329	**496**	405

Analyte	Unit	Description	MW-1605D	MW-1605I	MW-1605S	MW-1606D	MW-1606I	MW-1606S
			5/20/2020	5/20/2020	5/21/2020	5/20/2020	5/20/2020	5/20/2020
Boron	mg/L	Interwell Background Value (UPL)	0.135					
		Analytical Result	0.02	0.097	**0.501**	0.03	0.02	0.05
Calcium	mg/L	Intrawell Background Value (UPL)	95.3	104	88.6	81.4	86.3	68.1
		Analytical Result	85.0	90.1	84.7	**89.7**	74.7	48.4
Chloride	mg/L	Interwell Background Value (UPL)	46.4					
		Analytical Result	25.1	37.8	**55.5**	29.9	19.2	25.1
Fluoride	mg/L	Interwell Background Value (UPL)	0.70					
		Analytical Result	0.23	0.23	0.60	0.20	0.21	0.63
pH	SU	Intrawell Background Value (UPL)	7.4	7.6	7.7	8.4	8.3	7.8
		Intrawell Background Value (LPL)	6.9	6.9	7.1	6.9	6.4	6.3
		Analytical Result	6.9	6.9	**6.9**	6.9	6.9	6.9
Sulfate	mg/L	Interwell Background Value (UPL)	76.0					
		Analytical Result	45.9	**109**	**195**	30.7	43.8	46.9
Total Dissolved Solids	mg/L	Interwell Background Value (UPL)	465					
		Analytical Result	382	**476**	**656**	354	340	375

Notes:
UPL: Upper prediction limit
LPL: Lower prediction limit
Bold values exceed the background value.
Background values are shaded gray.

ATTACHMENT A

Certification by Qualified Professional Engineer

Certification by Qualified Professional Engineer

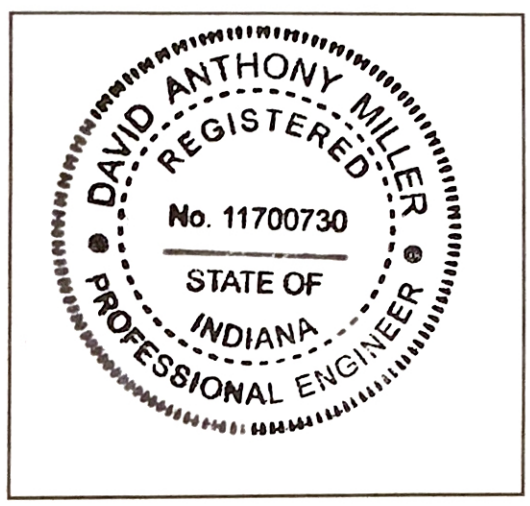
I certify that the selected and above described statistical method is appropriate for evaluating the groundwater monitoring data for the Rockport Bottom Ash Pond CCR management area and that the requirements of 40 CFR 257.93(f) have been met.

DAVID ANTHONY MILLER

Printed Name of Licensed Professional Engineer

David Anthony Miller

Signature



11700730	INDIANA	09.11.2020
License Number	Licensing State	Date

ATTACHMENT B

Statistical Analysis Output

GROUNDWATER STATS CONSULTING

July 9, 2020

Geosyntec Consultants
Attn: Ms. Allison Kreinberg
941 Chatham Lane, #103
Columbus, OH 43221

Re: Rockport Bottom Ash Pond
March 2020 Assessment Monitoring Analysis

Dear Ms. Kreinberg,

Groundwater Stats Consulting (GSC), formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical evaluation of groundwater data for the March 2020 Assessment Monitoring event at American Electric Power Inc.'s Rockport Bottom Ash Pond. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015) as well as with the USEPA Unified Guidance (2009).

Sampling began at the site for the CCR program in 2016. The monitoring well network, as provided by Geosyntec Consultants, consists of the following:

- **Upgradient wells:** MW-1600D, MW-1600I, MW-1600S, MW-1601D, MW-1601I, MW-1601S; MW-1701S, MW-1702D, MW-1702I, MW-1702S, MW-1701D, and MW-1701I
- **Downgradient wells:** MW-1002, MW-1602D, MW-1602I, MW-1603D, MW-1603I, MW-1603S, MW-1604D, MW-1604I, MW-1604S, MW-1605D, MW-1605I, MW-1605S, MW-1606D, MW-1606I, and MW-1606S

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Groundwater Statistician and Founder of Groundwater Stats Consulting. The statistical analysis was conducted according to the January 2018 screening evaluation prepared by GSC and approved by Dr. Kirk Cameron.

The CCR program consists of the following constituents:

- **Appendix IV** (Assessment Monitoring) **–** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Time series plots (Figure A) for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses. Additionally, a separate section of box plots (Figure B) is included for all constituents at both upgradient and downgradient wells. The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

Due to varying detection limits in background data sets due to improved laboratory practices, a substitution of the most recent reporting limit is used for all nondetects. In some cases, the reporting limit provided by the laboratory contained varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. However, in the time series plots, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

Background Screening Summary – Conducted in December 2019

Background data were screened for outliers and extreme trending patterns that would lead to artificially elevated statistical limits. During the previous screening, Tukey's outlier test identified several values that were flagged accordingly in the database. However, several values were not identified as outliers through Tukey's test, but because they are considerably higher than the other measurements and do not appear to represent the population at their respective well, these values were flagged as outliers and deselected prior to the construction of upper tolerance limits and confidence intervals. Note that the reporting limit during the June 2019 event for molybdenum in many of the wells was 0.01 mg/L, which is higher than the historical reporting limit of 0.002 mg/L, as well as higher than all of the detected values for these wells. This reporting limit was flagged as an outlier. Any flagged values may be seen on the Outlier Summary following this letter (Figure C).

Evaluation of Appendix IV Parameters – March 2020 Sampling Event

Interwell tolerance limits were used to calculate the site-specific background limits from pooled upgradient well data for Appendix IV parameters (Figure D). Parametric tolerance limits are used when data follow a normal or transformed-normal distribution and use a target of 95% confidence and 95% coverage. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. When data contained greater than 50% nondetects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used. The background limits were then used when determining the groundwater protection standard (GWPS) (Figure E).

Confidence intervals were then constructed on downgradient wells for each of the Appendix IV parameters using the highest limit of the MCL, CCR-Rule specified, or background limit as the GWPS, as discussed above (Figure F). Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. No confidence interval exceedances were found for any of the downgradient wells. A summary of the confidence interval results follows this letter.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for the Rockport Bottom Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Andrew T. Collins
Groundwater Analyst

Kristina L. Rayner
Groundwater Statistician

Outlier Summary

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:52 PM

	MW-1604I Antimony, total (mg/L)	MW-1702I Antimony, total (mg/L)	MW-1605S Arsenic, total (mg/L)	MW-1603D Chromium, total (mg/L)	MW-1702S Chromium, total (mg/L)	MW-1601D Cobalt, total (mg/L)	MW-1606D Cobalt, total (mg/L)	MW-1600I Combined Radium 226 + 228 (pCi/L)	MW-1602D Combined Radium 226 + 228 (pCi/L)	MW-1606I Combined Radium 226 + 228 (pCi/L)
6/7/2016						0.000508 (o)				
6/8/2016							7.25 (o)			
6/27/2016					0.00136 (o)					
7/20/2016										
10/10/2016				0.0238 (o)						
11/15/2016								4.204 (o)		
1/10/2017									4.283 (o)	
3/7/2017										
7/18/2017	0.00024 (o)									
12/12/2017					0.00413 (o)					
2/9/2018										
8/15/2018										
9/25/2018		0.00044 (o)								
5/24/2019			0.00284 (o)							
6/25/2019										
6/27/2019			0.00244 (o)							

	MW-1603D Lead, total (mg/L)	MW-1604S Lead, total (mg/L)	MW-1606S Lead, total (mg/L)	MW-1701D Lead, total (mg/L)	MW-1605D Molybdenum, total (mg/L)	MW-1605I Molybdenum, total (mg/L)	MW-1606I Molybdenum, total (mg/L)	MW-1606S Molybdenum, total (mg/L)	MW-1701D Molybdenum, total (mg/L)	MW-1701I Molybdenum, total (mg/L)
6/7/2016				0.00765 (o)						
6/8/2016										
6/27/2016										
7/20/2016		0.000911 (o)								
10/10/2016	0.00138 (o)									
11/15/2016										
1/10/2017										
3/7/2017			0.00133 (o)							
7/18/2017										
12/12/2017				0.00154 (o)						
2/9/2018										
8/15/2018										
9/25/2018										
5/24/2019										
6/25/2019					<0.01 (o)	<0.01 (o)	<0.01 (o)	<0.01 (o)	<0.01 (o)	
6/27/2019										

Outlier Summary

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:52 PM

	MW-1701S Molybdenum, total (mg/L)	MW-1702I Molybdenum, total (mg/L)	MW-1702S Molybdenum, total (mg/L)	MW-1601D Selenium, total (mg/L)	MW-1605S Selenium, total (mg/L)	MW-1701D Thallium, total (mg/L)	MW-1701I Thallium, total (mg/L)	MW-1701S Thallium, total (mg/L)	MW-1702D Thallium, total (mg/L)	MW-1702I Thallium, total (mg/L)
6/7/2016										
6/8/2016										
6/27/2016										
7/20/2016										
10/10/2016										
11/15/2016										
1/10/2017										
3/7/2017										
7/18/2017										
12/12/2017						0.051 (o)	0.04 (o)	0.02 (o)	0.03 (o)	0.04 (o)
2/9/2018		0.0079 (o)								
8/15/2018					0.0054 (o)					
9/25/2018										
5/24/2019				3E-05 (J,o)						
6/25/2019	<0.01 (o)		<0.01 (o)							
6/27/2019										

	MW-1702S Thallium, total (mg/L)
6/7/2016	
6/8/2016	
6/27/2016	
7/20/2016	
10/10/2016	
11/15/2016	
1/10/2017	
3/7/2017	
7/18/2017	
12/12/2017	0.01 (o)
2/9/2018	
8/15/2018	
9/25/2018	
5/24/2019	
6/25/2019	
6/27/2019	

Confidence Intervals - All Results (No Significant)

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, total (mg/L)	MW-1002	0.00006	0.00004	0.006	No	15	0.00005333	0.00001496	6.667	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1602D	0.0001	0.00001	0.006	No	15	0.000046	0.00004867	20	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1602I	0.00006378	0.00002612	0.006	No	15	0.00005067	0.00003712	6.667	None	ln(x)	0.01	Param.
Antimony, total (mg/L)	MW-1603D	0.0001	0.00001	0.006	No	15	0.000052	0.00004039	33.33	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1603I	0.00008	0.00002	0.006	No	15	0.000048	0.00002678	6.667	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1603S	0.00005592	0.00003597	0.006	No	15	0.00004733	0.00001792	6.667	None	ln(x)	0.01	Param.
Antimony, total (mg/L)	MW-1604D	0.0001	0.00001	0.006	No	15	0.00004867	0.00003907	33.33	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1604I	0.00004	0.00002	0.006	No	14	0.00003286	0.00002234	7.143	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1604S	0.00007	0.00005	0.006	No	15	0.00006133	0.00002295	0	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1605D	0.0001	0.00001	0.006	No	15	0.000042	0.0000384	26.67	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1605I	0.00006586	0.00003071	0.006	No	15	0.00005333	0.00003792	13.33	None	ln(x)	0.01	Param.
Antimony, total (mg/L)	MW-1605S	0.0001	0.00004	0.006	No	15	0.00005933	0.00003348	0	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1606D	0.0001	0.00001	0.006	No	15	0.00005467	0.0000398	40	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1606I	0.0001	0.00002	0.006	No	15	0.000046	0.0000346	26.67	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1606S	0.0000802	0.00004361	0.006	No	15	0.00006333	0.00002992	13.33	None	sqrt(x)	0.01	Param.
Arsenic, total (mg/L)	MW-1002	0.00029	0.00021	0.0675	No	15	0.0002533	0.0000623	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1602D	0.009418	0.008307	0.0675	No	15	0.008863	0.0008197	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1602I	0.02788	0.01943	0.0675	No	15	0.02365	0.006231	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1603D	0.01269	0.01115	0.0675	No	15	0.01192	0.001132	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1603I	0.013	0.0122	0.0675	No	15	0.01284	0.000806	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1603S	0.0002557	0.0001644	0.0675	No	15	0.0002127	0.00007096	0	None	sqrt(x)	0.01	Param.
Arsenic, total (mg/L)	MW-1604D	0.01866	0.01654	0.0675	No	15	0.01763	0.001609	0	None	ln(x)	0.01	Param.
Arsenic, total (mg/L)	MW-1604I	0.0207	0.0185	0.0675	No	15	0.01985	0.002058	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1604S	0.00041	0.00018	0.0675	No	15	0.0002927	0.0001542	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1605D	0.01973	0.01739	0.0675	No	15	0.01856	0.001731	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1605I	0.0257	0.0178	0.0675	No	15	0.02263	0.009264	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1605S	0.00061	0.00036	0.0675	No	13	0.0005423	0.0003286	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1606D	0.01657	0.01389	0.0675	No	15	0.01523	0.001978	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1606I	0.007909	0.00476	0.0675	No	15	0.006335	0.002324	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1606S	0.00032	0.00019	0.0675	No	15	0.000262	0.0001168	0	None	No	0.01	NP (normality)
Barium, total (mg/L)	MW-1002	0.02255	0.0143	2	No	15	0.01877	0.00675	0	None	x^(1/3)	0.01	Param.
Barium, total (mg/L)	MW-1602D	0.4862	0.4139	2	No	15	0.4501	0.05338	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1602I	0.1327	0.1196	2	No	15	0.1261	0.009665	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1603D	0.1166	0.1089	2	No	15	0.1127	0.00565	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1603I	0.08702	0.08115	2	No	15	0.08409	0.004328	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1603S	0.01662	0.01166	2	No	15	0.01414	0.003656	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1604D	0.2535	0.233	2	No	15	0.2433	0.0151	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1604I	0.1299	0.1112	2	No	15	0.1206	0.0138	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1604S	0.0207	0.013	2	No	15	0.01858	0.008195	0	None	No	0.01	NP (normality)
Barium, total (mg/L)	MW-1605D	0.459	0.408	2	No	15	0.4335	0.03763	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1605I	0.1634	0.1449	2	No	15	0.1541	0.01361	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1605S	0.0119	0.00776	2	No	15	0.009405	0.002294	0	None	No	0.01	NP (normality)
Barium, total (mg/L)	MW-1606D	0.4372	0.3795	2	No	15	0.4083	0.04262	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1606I	0.06965	0.05253	2	No	15	0.06109	0.01263	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1606S	0.01398	0.01075	2	No	15	0.01236	0.002383	0	None	No	0.01	Param.
Beryllium, total (mg/L)	MW-1002	0.0001	0.00002	0.004	No	15	0.000082	0.00003741	80	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1602D	0.0001	0.000008	0.004	No	15	0.00006127	0.00004409	53.33	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1602I	0.0001	0.000006	0.004	No	15	0.0000698	0.00004433	66.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1603D	0.0001	0.000049	0.004	No	15	0.0000852	0.00003162	80	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1603I	0.0001	0.00002	0.004	No	15	0.00008867	0.00002997	86.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1603S	0.0001	0.00001	0.004	No	15	0.00007653	0.00004036	73.33	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1604D	0.0001	0.00002	0.004	No	15	0.00008827	0.00003111	86.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1604I	0.0001	0.00002	0.004	No	15	0.00008827	0.00003111	86.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1604S	0.0001	0.00002	0.004	No	15	0.0000794	0.00003722	73.33	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1605D	0.0001	0.00002	0.004	No	15	0.00008867	0.00002997	86.67	None	No	0.01	NP (NDs)

Confidence Intervals - All Results (No Significant)

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium, total (mg/L)	MW-1605I	0.0001	0.00002	0.004	No	15	0.00008187	0.0000377	80	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1605S	0.0001	0.00002	0.004	No	15	0.00007493	0.0000376	66.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1606D	0.0001	0.00001	0.004	No	15	0.00006627	0.00004329	60	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1606I	0.0001	0.00002	0.004	No	15	0.00008847	0.00003054	86.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1606S	0.0001	0.00001	0.004	No	15	0.00006487	0.0000448	60	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1002	0.00005	0.00002	0.005	No	15	0.00004133	0.0000327	0	None	No	0.01	NP (normality)
Cadmium, total (mg/L)	MW-1602D	0.00007	0.00002	0.005	No	15	0.00004267	0.0000171	66.67	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1602I	0.00005	0.000006	0.005	No	15	0.00002933	0.000021	46.67	None	No	0.01	NP (normality)
Cadmium, total (mg/L)	MW-1603D	0.00005	0.00001	0.005	No	15	0.0000384	0.00001775	66.67	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1603I	0.00005	0.00001	0.005	No	15	0.0000374	0.00001887	66.67	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1603S	0.00005	0.00001	0.005	No	15	0.00002667	0.00001291	6.667	None	No	0.01	NP (normality)
Cadmium, total (mg/L)	MW-1604D	0.00005	0.00002	0.005	No	15	0.00004233	0.00001611	80	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1604I	0.00012	0.00002	0.005	No	15	0.00004693	0.00002586	73.33	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1604S	0.00003	0.00001	0.005	No	15	0.00002467	0.00001885	0	None	No	0.01	NP (normality)
Cadmium, total (mg/L)	MW-1605D	0.00005	0.00002	0.005	No	15	0.00004507	0.00001329	86.67	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1605I	0.00005	0.000008	0.005	No	15	0.0000394	0.00001845	73.33	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1605S	0.00005	0.00003	0.005	No	15	0.00004267	0.00002154	0	None	No	0.01	NP (normality)
Cadmium, total (mg/L)	MW-1606D	0.00005	0.00002	0.005	No	15	0.00004313	0.0000145	80	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1606I	0.00005	0.00001	0.005	No	15	0.00003927	0.00001873	73.33	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1606S	0.00004019	0.00002085	0.005	No	15	0.00003133	0.00001506	0	None	sqrt(x)	0.01	Param.
Chromium, total (mg/L)	MW-1002	0.0002739	0.0000832	0.1	No	15	0.0002005	0.0001856	6.667	None	x^(1/3)	0.01	Param.
Chromium, total (mg/L)	MW-1602D	0.0005071	0.0001595	0.1	No	15	0.0003585	0.0003188	0	None	sqrt(x)	0.01	Param.
Chromium, total (mg/L)	MW-1602I	0.0002851	0.0001231	0.1	No	15	0.0002127	0.0001303	6.667	None	sqrt(x)	0.01	Param.
Chromium, total (mg/L)	MW-1603D	0.0002252	0.0001028	0.1	No	14	0.000164	0.00008635	0	None	No	0.01	Param.
Chromium, total (mg/L)	MW-1603I	0.000743	0.000081	0.1	No	15	0.0003331	0.0003347	0	None	No	0.01	NP (normality)
Chromium, total (mg/L)	MW-1603S	0.0003624	0.0001223	0.1	No	15	0.0002423	0.0001771	0	None	No	0.01	Param.
Chromium, total (mg/L)	MW-1604D	0.000174	0.00008091	0.1	No	15	0.0001275	0.0000687	0	None	No	0.01	Param.
Chromium, total (mg/L)	MW-1604I	0.0002147	0.00007866	0.1	No	15	0.0001737	0.0001565	0	None	ln(x)	0.01	Param.
Chromium, total (mg/L)	MW-1604S	0.0002909	0.0000981	0.1	No	15	0.0002325	0.0002066	0	None	ln(x)	0.01	Param.
Chromium, total (mg/L)	MW-1605D	0.0002923	0.0001165	0.1	No	15	0.0002147	0.0001502	0	None	sqrt(x)	0.01	Param.
Chromium, total (mg/L)	MW-1605I	0.000214	0.000091	0.1	No	15	0.0002006	0.000282	6.667	None	No	0.01	NP (normality)
Chromium, total (mg/L)	MW-1605S	0.0004714	0.0001333	0.1	No	15	0.000343	0.0003227	0	None	x^(1/3)	0.01	Param.
Chromium, total (mg/L)	MW-1606D	0.0002261	0.00007968	0.1	No	15	0.0001831	0.0001765	0	None	ln(x)	0.01	Param.
Chromium, total (mg/L)	MW-1606I	0.0001883	0.00007797	0.1	No	15	0.0001535	0.0001336	13.33	None	ln(x)	0.01	Param.
Chromium, total (mg/L)	MW-1606S	0.0004088	0.000126	0.1	No	15	0.0003438	0.0003916	6.667	None	ln(x)	0.01	Param.
Cobalt, total (mg/L)	MW-1002	0.000785	0.0005893	0.006	No	15	0.0006871	0.0001444	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1602D	0.0002388	0.00009299	0.006	No	15	0.0001967	0.0001986	0	None	ln(x)	0.01	Param.
Cobalt, total (mg/L)	MW-1602I	0.00175	0.00134	0.006	No	15	0.001507	0.0001905	0	None	No	0.01	NP (normality)
Cobalt, total (mg/L)	MW-1603D	0.0008287	0.0003682	0.006	No	15	0.0006687	0.0004959	0	None	ln(x)	0.01	Param.
Cobalt, total (mg/L)	MW-1603I	0.001385	0.001227	0.006	No	15	0.001306	0.0001164	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1603S	0.0005121	0.0001854	0.006	No	15	0.0003487	0.0002411	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1604D	0.000091	0.000051	0.006	No	15	0.00006947	0.00002371	0	None	No	0.01	NP (normality)
Cobalt, total (mg/L)	MW-1604I	0.000906	0.000751	0.006	No	15	0.0008285	0.0001144	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1604S	0.000548	0.000297	0.006	No	15	0.0004397	0.0002574	0	None	No	0.01	NP (normality)
Cobalt, total (mg/L)	MW-1605D	0.0001571	0.00008689	0.006	No	15	0.0001289	0.00006605	0	None	ln(x)	0.01	Param.
Cobalt, total (mg/L)	MW-1605I	0.00159	0.001328	0.006	No	15	0.001459	0.0001935	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1605S	0.001065	0.0002898	0.006	No	15	0.0008981	0.001074	0	None	ln(x)	0.01	Param.
Cobalt, total (mg/L)	MW-1606D	0.0001148	0.00006977	0.006	No	14	0.00009229	0.00003178	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1606I	0.001482	0.0009534	0.006	No	15	0.001218	0.0003901	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1606S	0.0002172	0.0000595	0.006	No	15	0.0001855	0.0002268	6.667	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1002	1.255	0.3842	5	No	15	0.884	0.7636	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1602D	1.555	0.8007	5	No	14	1.204	0.582	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1602I	1.159	0.7841	5	No	15	0.9713	0.2763	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1603D	1.226	0.7395	5	No	15	0.983	0.3593	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1603I	1.658	0.9169	5	No	15	1.315	0.5977	0	None	sqrt(x)	0.01	Param.

Confidence Intervals - All Results (No Significant)

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	MW-1603S	1.137	0.3715	5	No	15	0.838	0.7594	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1604D	1.144	0.5991	5	No	15	0.8942	0.4475	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1604I	1.292	0.7738	5	No	15	1.033	0.3824	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1604S	0.9921	0.4351	5	No	15	0.7136	0.411	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1605D	1.624	0.9123	5	No	15	1.268	0.5252	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1605I	2.011	1.395	5	No	15	1.703	0.4541	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1605S	0.9253	0.2088	5	No	15	0.6329	0.5827	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1606D	1.391	0.6554	5	No	15	1.023	0.5427	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1606I	1.143	0.7326	5	No	14	0.938	0.2899	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1606S	1.096	0.2794	5	No	15	0.6877	0.6025	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1002	1.025	0.8324	4	No	15	0.9233	0.1453	0	None	x^2	0.01	Param.
Fluoride, total (mg/L)	MW-1602D	0.3405	0.3035	4	No	15	0.322	0.02731	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1602I	0.3024	0.2723	4	No	15	0.2873	0.02219	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1603D	0.307	0.2744	4	No	15	0.2907	0.02404	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1603I	0.4472	0.3982	4	No	15	0.4227	0.03615	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1603S	0.6097	0.4063	4	No	15	0.508	0.1501	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1604D	0.282	0.25	4	No	15	0.266	0.02354	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1604I	0.3581	0.3126	4	No	15	0.3353	0.03357	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1604S	1.05	0.83	4	No	15	0.9813	0.2153	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	MW-1605D	0.225	0.191	4	No	15	0.208	0.02513	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1605I	0.2167	0.1761	4	No	15	0.1947	0.03399	0	None	x^2	0.01	Param.
Fluoride, total (mg/L)	MW-1605S	0.5837	0.5043	4	No	15	0.544	0.05853	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1606D	0.1999	0.1734	4	No	15	0.1867	0.01952	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1606I	0.2041	0.1799	4	No	15	0.192	0.01781	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1606S	0.5069	0.3945	4	No	15	0.4507	0.08293	0	None	No	0.01	Param.
Lead, total (mg/L)	MW-1002	0.0002	0.00002	0.015	No	15	0.0000816	0.00008198	26.67	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1602D	0.0002128	0.00003227	0.015	No	15	0.0001577	0.0002262	13.33	None	x^(1/3)	0.01	Param.
Lead, total (mg/L)	MW-1602I	0.0002299	0.00007641	0.015	No	15	0.0001531	0.0001132	13.33	None	No	0.01	Param.
Lead, total (mg/L)	MW-1603D	0.00005891	0.00001244	0.015	No	14	0.00008171	0.00008131	21.43	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead, total (mg/L)	MW-1603I	0.0001815	0.00003369	0.015	No	15	0.0001355	0.0001128	20	Kaplan-Meier	No	0.01	Param.
Lead, total (mg/L)	MW-1603S	0.0001469	0.00003586	0.015	No	15	0.0001335	0.00009219	33.33	Kaplan-Meier	No	0.01	Param.
Lead, total (mg/L)	MW-1604D	0.00004656	0.00001349	0.015	No	15	0.00006887	0.00007181	20	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead, total (mg/L)	MW-1604I	0.0002	0.00001	0.015	No	15	0.00008613	0.00008588	33.33	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1604S	0.0000962	0.0000231	0.015	No	14	0.00009871	0.00009349	21.43	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead, total (mg/L)	MW-1605D	0.0002	0.000009	0.015	No	15	0.0001045	0.0000938	33.33	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1605I	0.000156	0.00006652	0.015	No	15	0.0001113	0.00006603	13.33	None	No	0.01	Param.
Lead, total (mg/L)	MW-1605S	0.00092	0.000021	0.015	No	15	0.0003527	0.0006126	0	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1606D	0.0002	0.00001	0.015	No	15	0.0001061	0.00008803	26.67	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1606I	0.0002	0.000026	0.015	No	15	0.0001101	0.0000836	33.33	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1606S	0.0001819	0.00001209	0.015	No	14	0.0001501	0.000122	35.71	Kaplan-Meier	No	0.01	Param.
Lithium, total (mg/L)	MW-1002	0.009131	0.003639	0.04	No	15	0.008453	0.005032	20	Kaplan-Meier	No	0.01	Param.
Lithium, total (mg/L)	MW-1602D	0.009824	0.003022	0.04	No	15	0.006926	0.005804	6.667	None	sqrt(x)	0.01	Param.
Lithium, total (mg/L)	MW-1602I	0.01064	0.004908	0.04	No	15	0.007772	0.004227	6.667	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1603D	0.01041	0.005037	0.04	No	15	0.007722	0.003963	13.33	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1603I	0.01074	0.005925	0.04	No	15	0.01042	0.003926	20	Kaplan-Meier	No	0.01	Param.
Lithium, total (mg/L)	MW-1603S	0.015	0.002	0.04	No	15	0.008012	0.005254	20	None	No	0.01	NP (normality)
Lithium, total (mg/L)	MW-1604D	0.015	0.00157	0.04	No	15	0.007024	0.00564	26.67	None	No	0.01	NP (normality)
Lithium, total (mg/L)	MW-1604I	0.01157	0.006508	0.04	No	15	0.009041	0.003738	6.667	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1604S	0.01367	0.0091	0.04	No	15	0.01138	0.003368	6.667	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1605D	0.007514	0.002922	0.04	No	15	0.005623	0.00416	13.33	None	x^(1/3)	0.01	Param.
Lithium, total (mg/L)	MW-1605I	0.009905	0.005439	0.04	No	15	0.007843	0.00354	0	None	sqrt(x)	0.01	Param.
Lithium, total (mg/L)	MW-1605S	0.01706	0.01227	0.04	No	15	0.01467	0.003538	6.667	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1606D	0.004675	0.00118	0.04	No	15	0.005795	0.005348	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Lithium, total (mg/L)	MW-1606I	0.009697	0.005075	0.04	No	15	0.007386	0.003411	6.667	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1606S	0.01285	0.008966	0.04	No	15	0.01091	0.002862	6.667	None	No	0.01	Param.

Confidence Intervals - All Results (No Significant)

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury, total (mg/L)	MW-1002	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1602D	0.000005	0.000003	0.002	No	14	0.000004857	5.3e-7	85.71	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1602I	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1603D	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1603I	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1603S	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1604D	0.000005	0.000002	0.002	No	14	0.000004786	8.0e-7	85.71	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1604I	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1604S	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1605D	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1605I	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1605S	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1606D	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1606I	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1606S	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Molybdenum, total (mg/L)	MW-1002	0.00965	0.00254	0.1	No	15	0.005559	0.003284	0	None	No	0.01	NP (normality)
Molybdenum, total (mg/L)	MW-1602D	0.00385	0.003283	0.1	No	15	0.003572	0.0004307	0	None	sqrt(x)	0.01	Param.
Molybdenum, total (mg/L)	MW-1602I	0.00242	0.002	0.1	No	15	0.002195	0.0002207	0	None	No	0.01	NP (normality)
Molybdenum, total (mg/L)	MW-1603D	0.005516	0.004199	0.1	No	15	0.004881	0.001009	0	None	sqrt(x)	0.01	Param.
Molybdenum, total (mg/L)	MW-1603I	0.008967	0.006883	0.1	No	15	0.007925	0.001538	0	None	No	0.01	Param.
Molybdenum, total (mg/L)	MW-1603S	0.001067	0.0002958	0.1	No	15	0.000844	0.0006937	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Molybdenum, total (mg/L)	MW-1604D	0.003194	0.002551	0.1	No	15	0.002873	0.0004747	0	None	No	0.01	Param.
Molybdenum, total (mg/L)	MW-1604I	0.002821	0.002408	0.1	No	15	0.002615	0.0003046	0	None	No	0.01	Param.
Molybdenum, total (mg/L)	MW-1604S	0.003251	0.001997	0.1	No	15	0.002677	0.000969	0	None	x^(1/3)	0.01	Param.
Molybdenum, total (mg/L)	MW-1605D	0.0026	0.00198	0.1	No	14	0.002248	0.0003655	0	None	No	0.01	NP (normality)
Molybdenum, total (mg/L)	MW-1605I	0.001283	0.001054	0.1	No	14	0.001171	0.0001636	0	None	sqrt(x)	0.01	Param.
Molybdenum, total (mg/L)	MW-1605S	0.002101	0.001591	0.1	No	15	0.001846	0.0003764	0	None	No	0.01	Param.
Molybdenum, total (mg/L)	MW-1606D	0.00221	0.00185	0.1	No	15	0.002145	0.0004936	0	None	No	0.01	NP (normality)
Molybdenum, total (mg/L)	MW-1606I	0.001633	0.001073	0.1	No	14	0.001353	0.0003956	0	None	No	0.01	Param.
Molybdenum, total (mg/L)	MW-1606S	0.00156	0.0009	0.1	No	14	0.001221	0.0003366	0	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1002	0.0000902	0.00006618	0.05	No	15	0.00007867	0.00001767	0	None	sqrt(x)	0.01	Param.
Selenium, total (mg/L)	MW-1602D	0.0002	0.00003	0.05	No	15	0.000102	0.00007466	26.67	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1602I	0.0002	0.00004	0.05	No	15	0.0001147	0.00007501	40	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1603D	0.0003	0.00004	0.05	No	15	0.000138	0.00008825	46.67	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1603I	0.0002	0.00007	0.05	No	15	0.0001553	0.00006653	66.67	None	No	0.01	NP (NDs)
Selenium, total (mg/L)	MW-1603S	0.0002999	0.00007562	0.05	No	15	0.0002653	0.000379	6.667	None	ln(x)	0.01	Param.
Selenium, total (mg/L)	MW-1604D	0.0002	0.00006	0.05	No	15	0.000162	0.00006678	73.33	None	No	0.01	NP (NDs)
Selenium, total (mg/L)	MW-1604I	0.0002	0.00005	0.05	No	15	0.00012	0.00007101	40	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1604S	0.0001203	0.00005716	0.05	No	15	0.000096	0.00005717	0	None	ln(x)	0.01	Param.
Selenium, total (mg/L)	MW-1605D	0.0002	0.00004	0.05	No	15	0.0001393	0.00007851	60	None	No	0.01	NP (NDs)
Selenium, total (mg/L)	MW-1605I	0.0002	0.00004	0.05	No	15	0.0001213	0.00007791	46.67	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1605S	0.001208	0.0005352	0.05	No	14	0.0008714	0.0004746	0	None	No	0.01	Param.
Selenium, total (mg/L)	MW-1606D	0.0002	0.00006	0.05	No	15	0.000156	0.00006588	66.67	None	No	0.01	NP (NDs)
Selenium, total (mg/L)	MW-1606I	0.0002	0.00005	0.05	No	15	0.0001507	0.00007382	66.67	None	No	0.01	NP (NDs)
Selenium, total (mg/L)	MW-1606S	0.00456	0.00296	0.05	No	15	0.00376	0.00118	0	None	No	0.01	Param.
Thallium, total (mg/L)	MW-1002	0.0005	0.00002	0.002	No	15	0.0001887	0.000228	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1602D	0.0005	0.00005	0.002	No	15	0.0003771	0.0002113	73.33	None	No	0.01	NP (NDs)
Thallium, total (mg/L)	MW-1602I	0.0005	0.00002	0.002	No	15	0.000216	0.0002402	40	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1603D	0.0005	0.00003	0.002	No	15	0.0003152	0.0002345	60	None	No	0.01	NP (NDs)
Thallium, total (mg/L)	MW-1603I	0.0005	0.00003	0.002	No	15	0.0001913	0.0002261	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1603S	0.0005	0.00002	0.002	No	15	0.000191	0.0002269	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1604D	0.0005	0.00005	0.002	No	15	0.0003783	0.0002096	73.33	None	No	0.01	NP (NDs)
Thallium, total (mg/L)	MW-1604I	0.0005	0.00001	0.002	No	15	0.0001867	0.00023	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1604S	0.0005	0.00002	0.002	No	15	0.0001942	0.0002246	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1605D	0.0005	0.00005	0.002	No	15	0.000406	0.0001947	80	None	No	0.01	NP (NDs)

Confidence Intervals - All Results (No Significant)

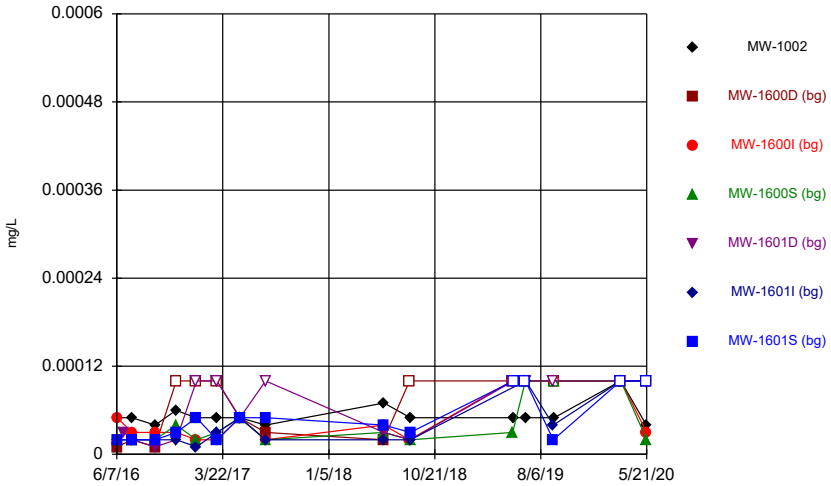
Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium, total (mg/L)	MW-1605I	0.0005	0.00002	0.002	No	15	0.0001982	0.0002243	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1605S	0.0005	0.00002	0.002	No	15	0.0001627	0.0002115	26.67	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1606D	0.0005	0.00005	0.002	No	15	0.0003816	0.0002044	73.33	None	No	0.01	NP (NDs)
Thallium, total (mg/L)	MW-1606I	0.0005	0.00003	0.002	No	15	0.0001962	0.0002227	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1606S	0.0005	0.00002	0.002	No	15	0.0002179	0.000239	40	None	No	0.01	NP (normality)

FIGURE A.

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

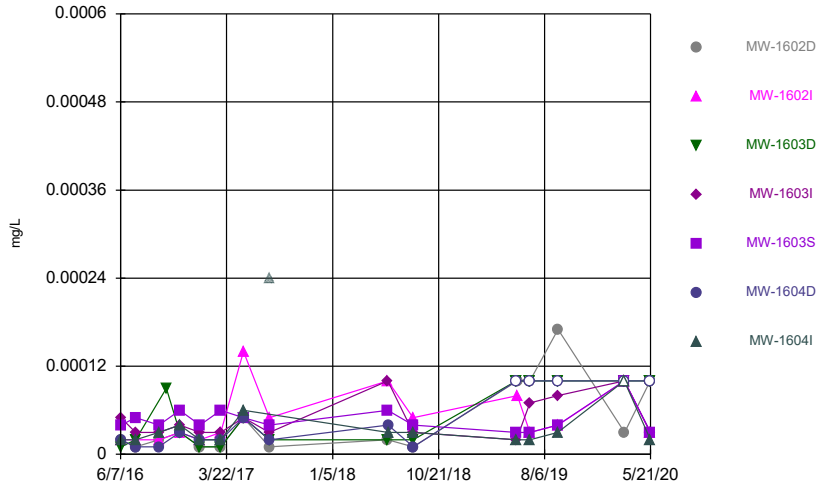
Time Series



Constituent: Antimony, total Analysis Run 7/8/2020 4:46 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

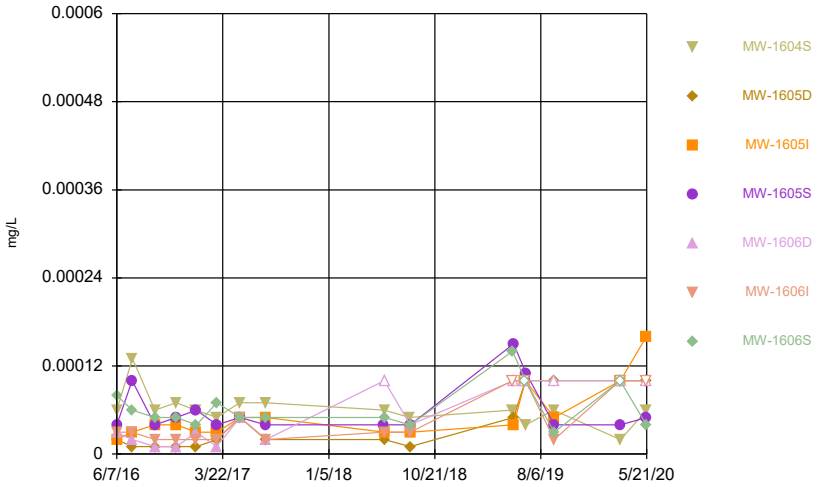
Time Series



Constituent: Antimony, total Analysis Run 7/8/2020 4:46 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

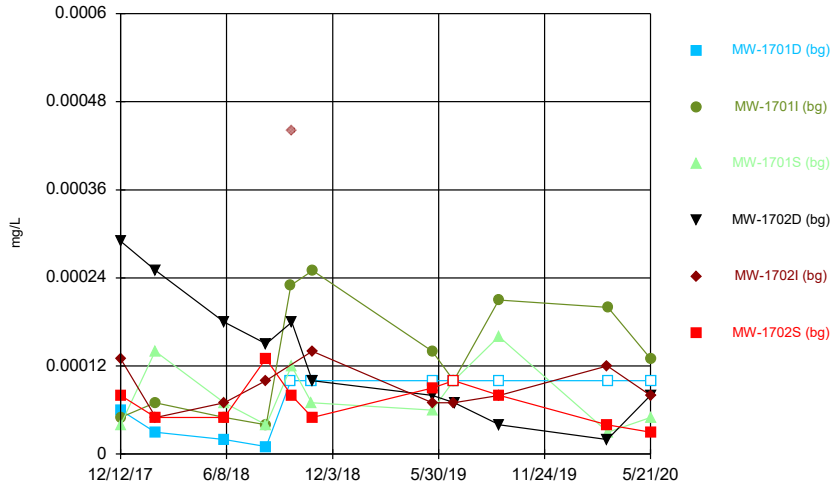
Time Series



Constituent: Antimony, total Analysis Run 7/8/2020 4:46 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

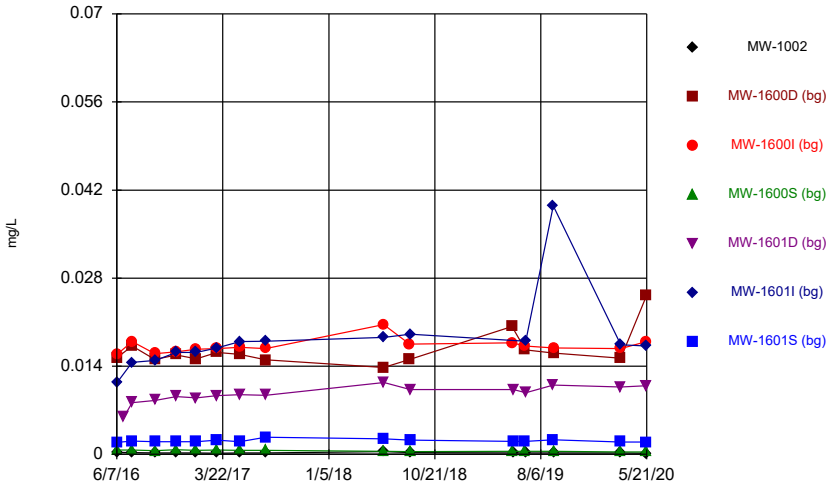
Time Series



Constituent: Antimony, total Analysis Run 7/8/2020 4:46 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

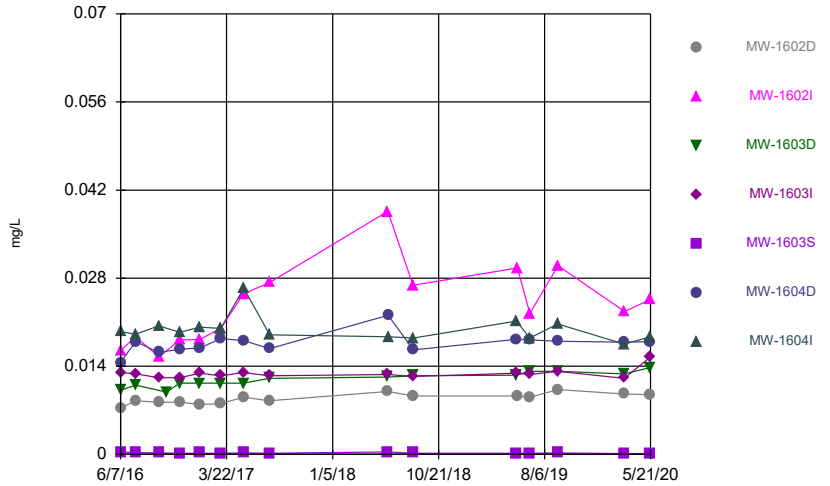
Time Series



Constituent: Arsenic, total Analysis Run 7/8/2020 4:46 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

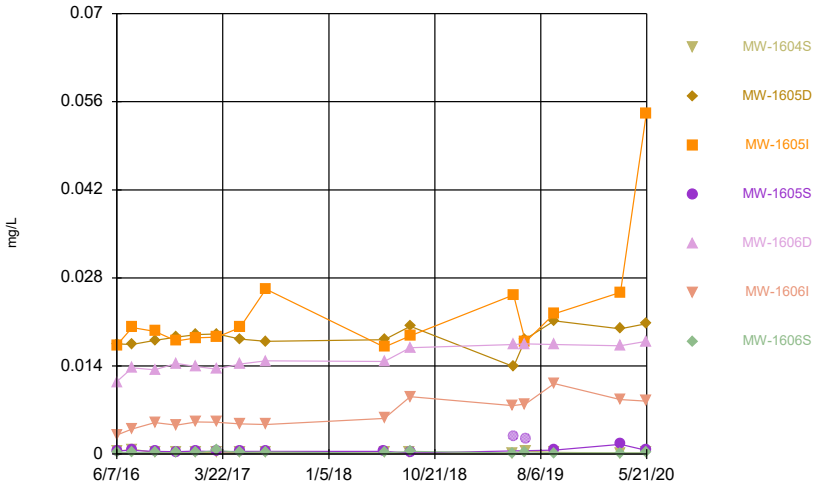
Time Series



Constituent: Arsenic, total Analysis Run 7/8/2020 4:46 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

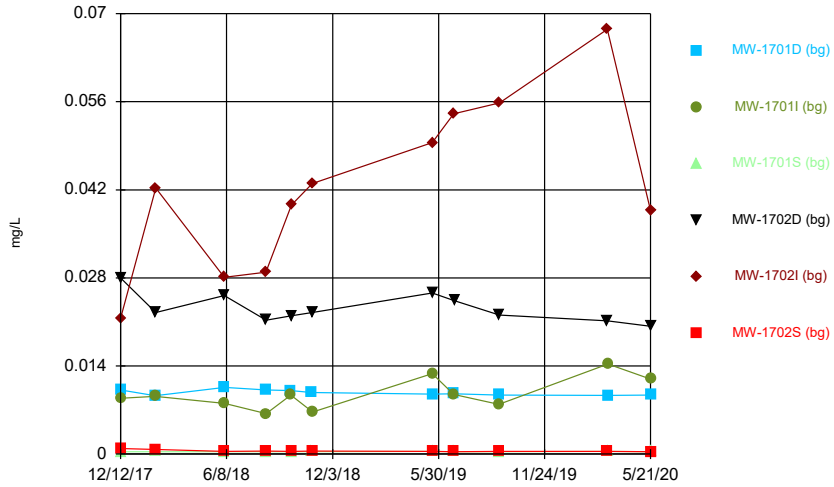
Time Series



Constituent: Arsenic, total Analysis Run 7/8/2020 4:46 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Time Series



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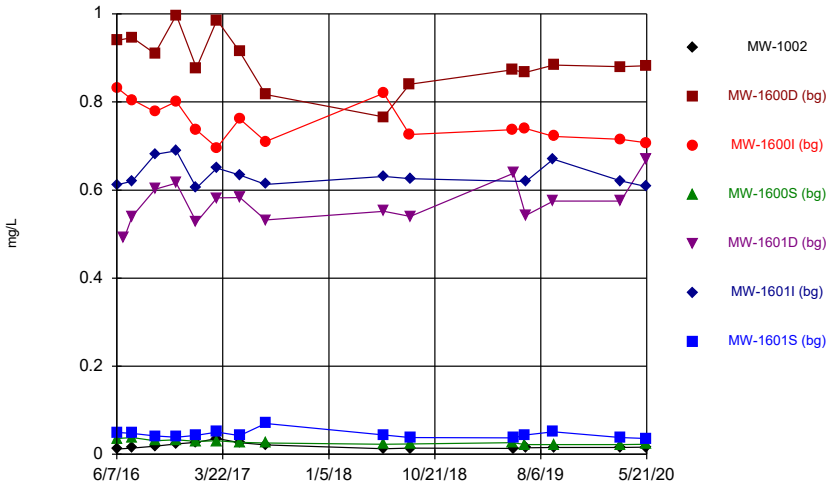
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

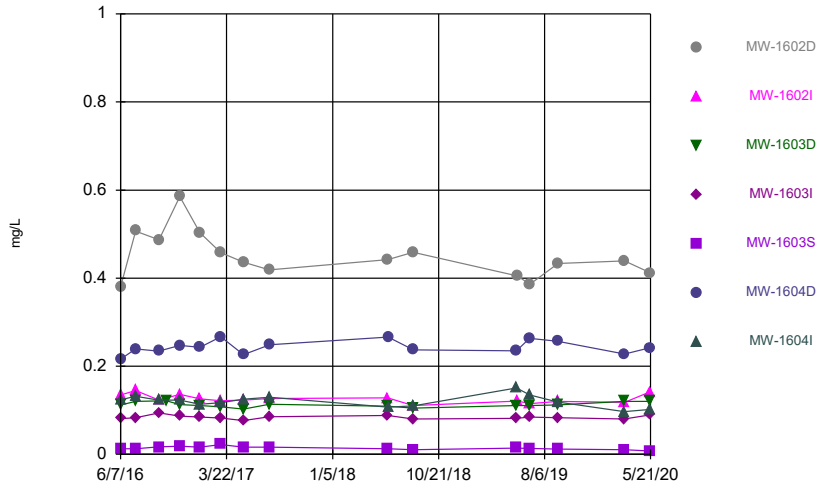
Time Series



Constituent: Barium, total Analysis Run 7/8/2020 4:46 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

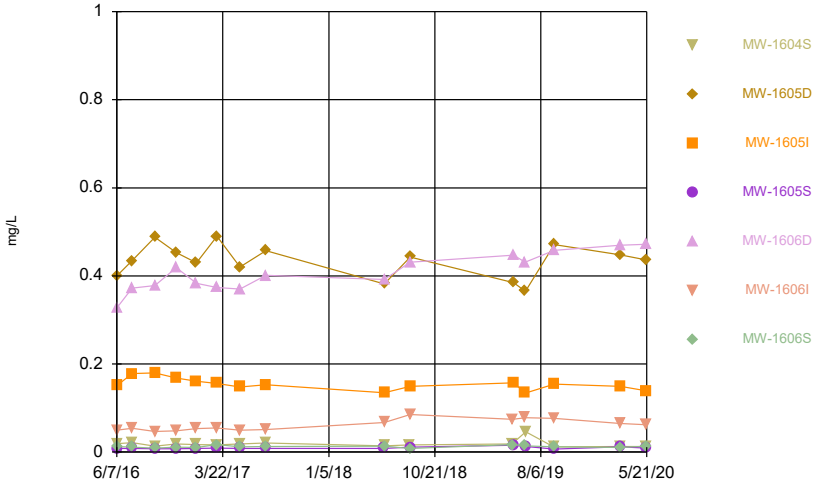
Time Series



Constituent: Barium, total Analysis Run 7/8/2020 4:46 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

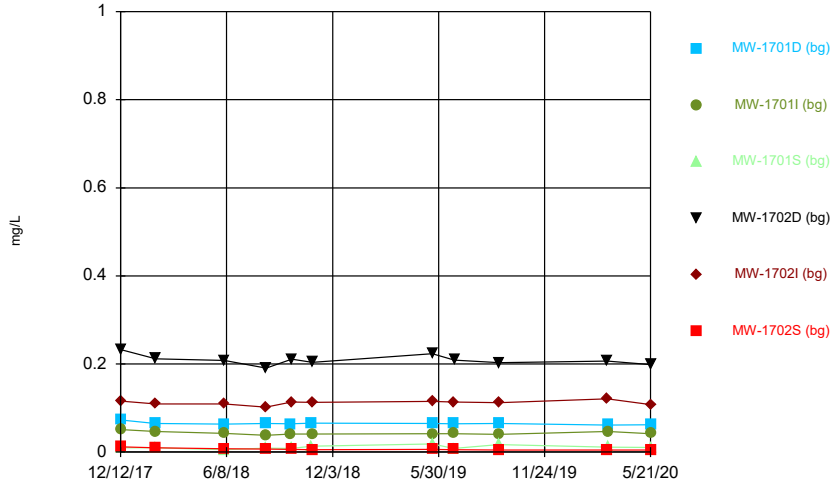
Time Series



Constituent: Barium, total Analysis Run 7/8/2020 4:46 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

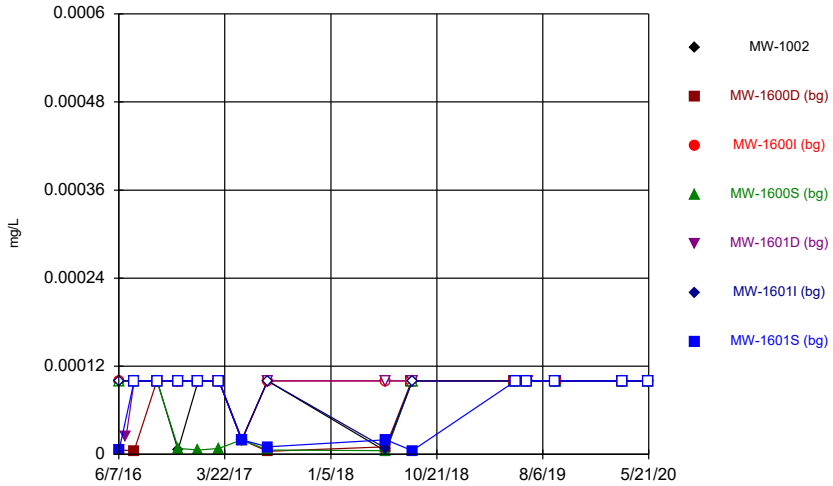
Time Series



Constituent: Barium, total Analysis Run 7/8/2020 4:46 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

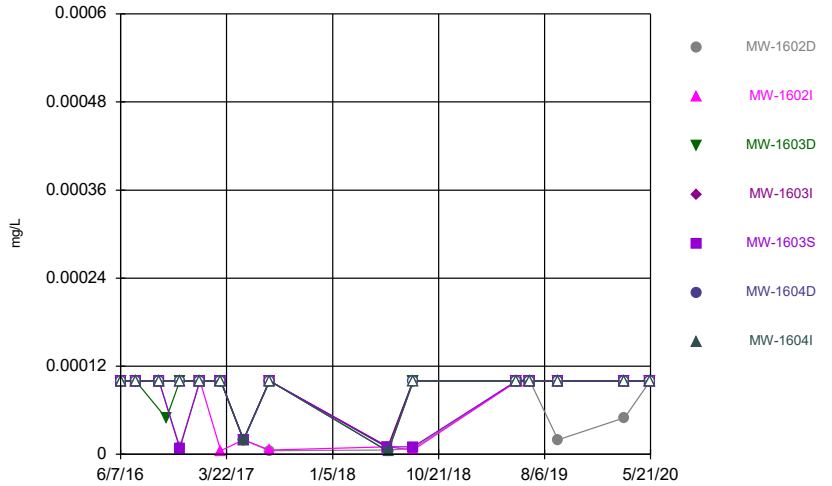
Time Series



Constituent: Beryllium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

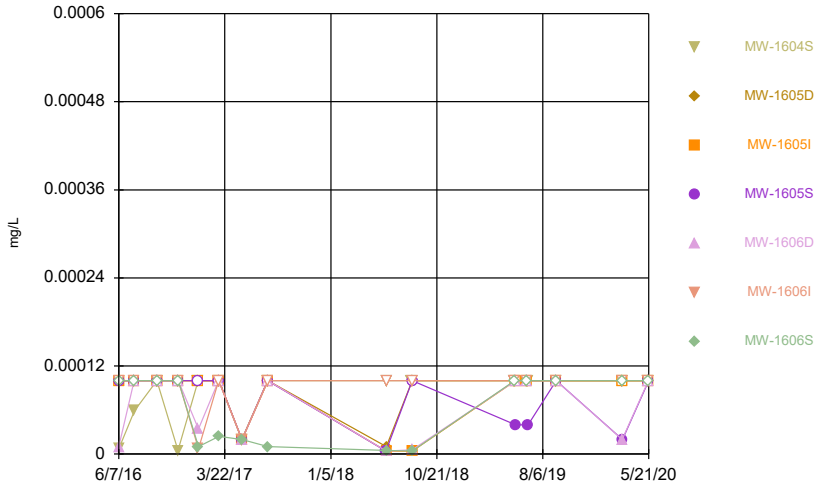
Time Series



Constituent: Beryllium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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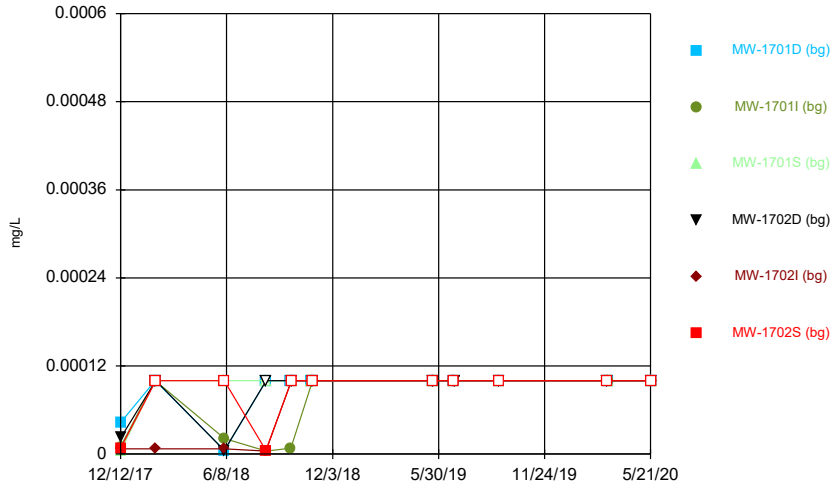
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

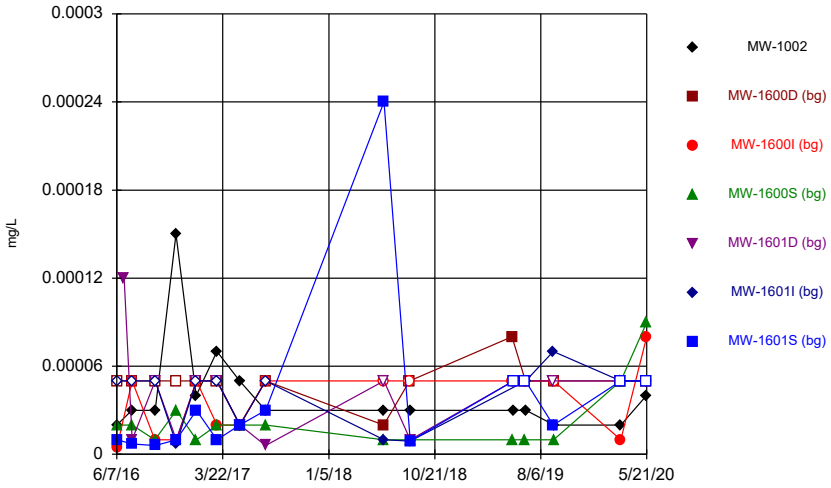
Time Series



Constituent: Beryllium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

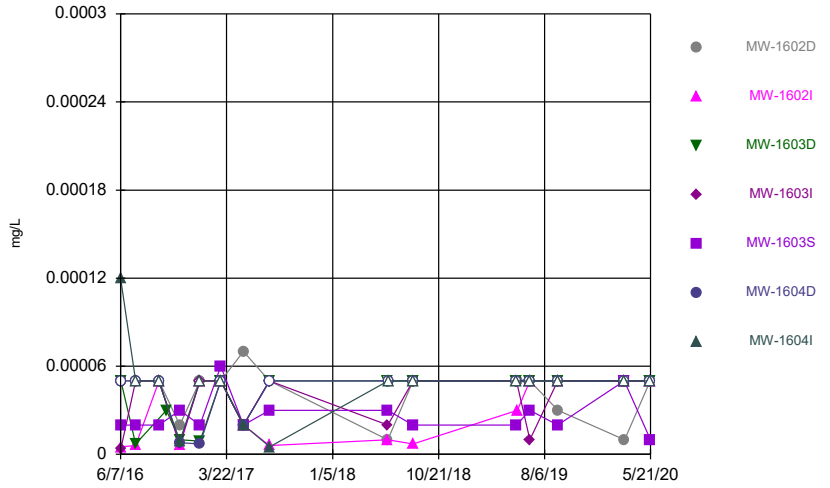
Time Series



Constituent: Cadmium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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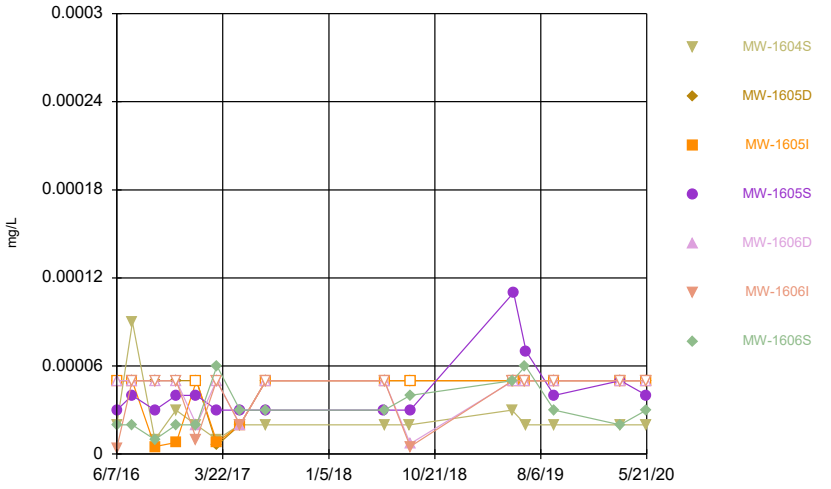
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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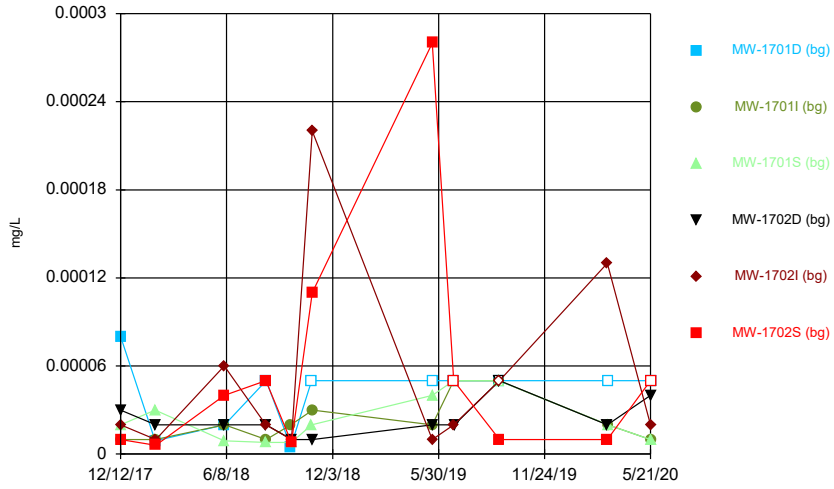
Hollow symbols indicate censored values.

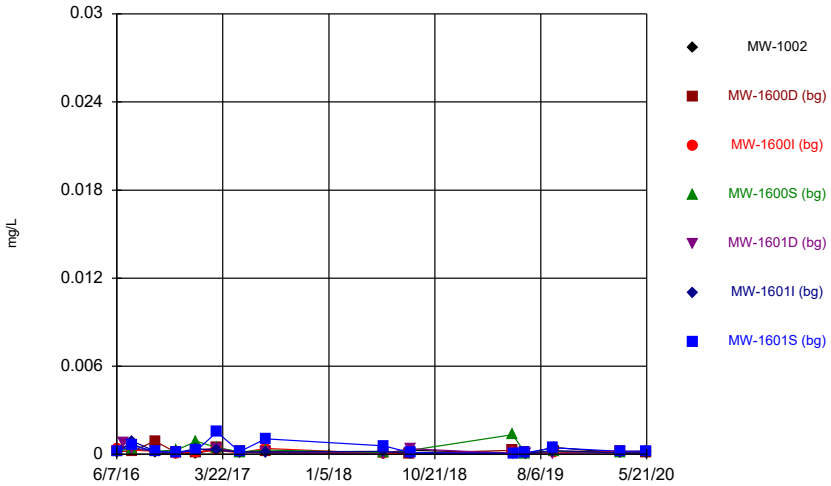
Time Series



Constituent: Cadmium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

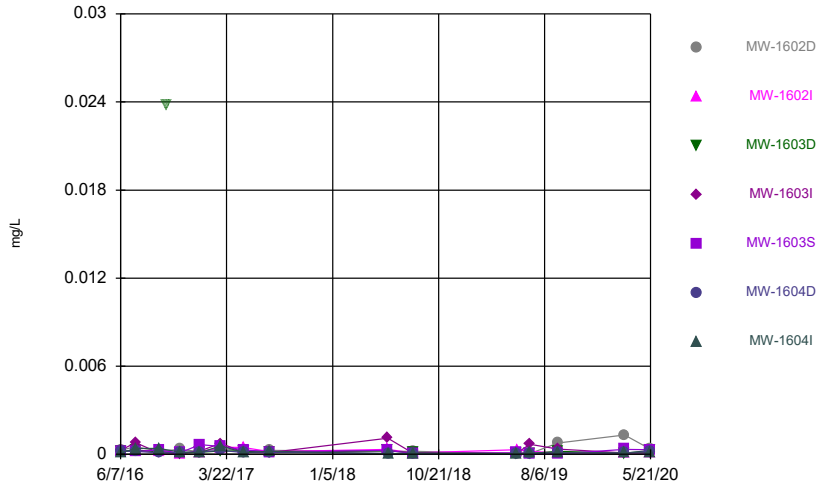
Time Series



Constituent: Chromium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

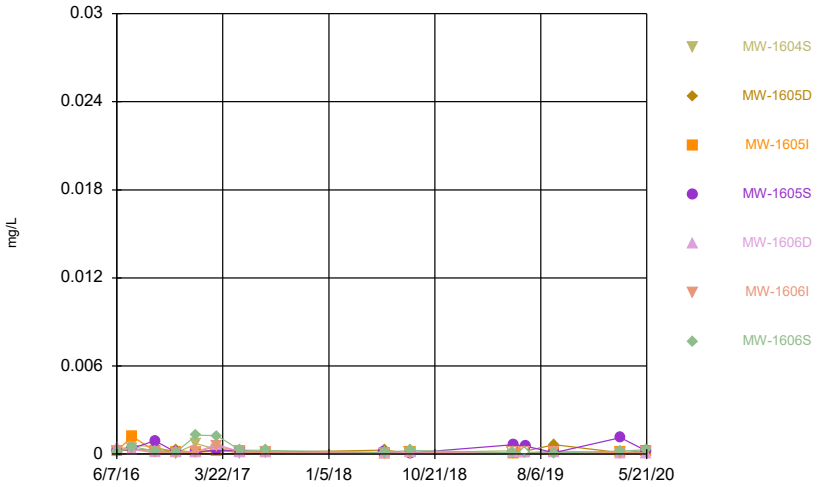
Time Series



Constituent: Chromium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Chromium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
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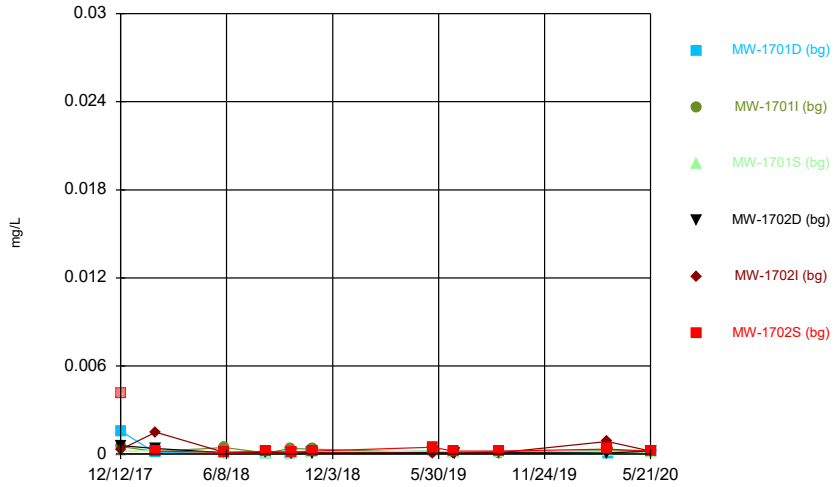
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

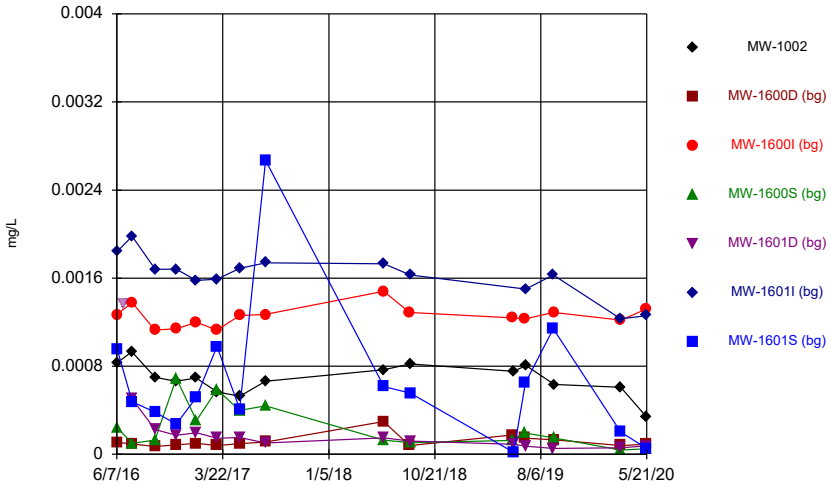
Time Series



Constituent: Chromium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

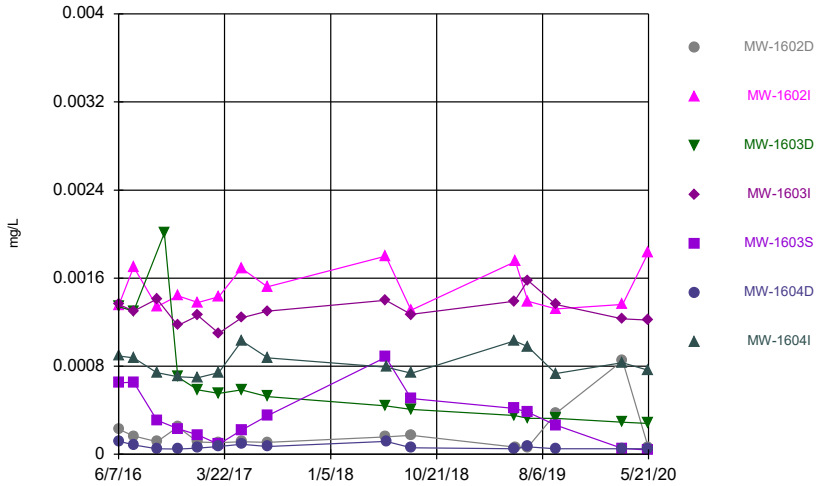
Time Series



Constituent: Cobalt, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Time Series



Constituent: Cobalt, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
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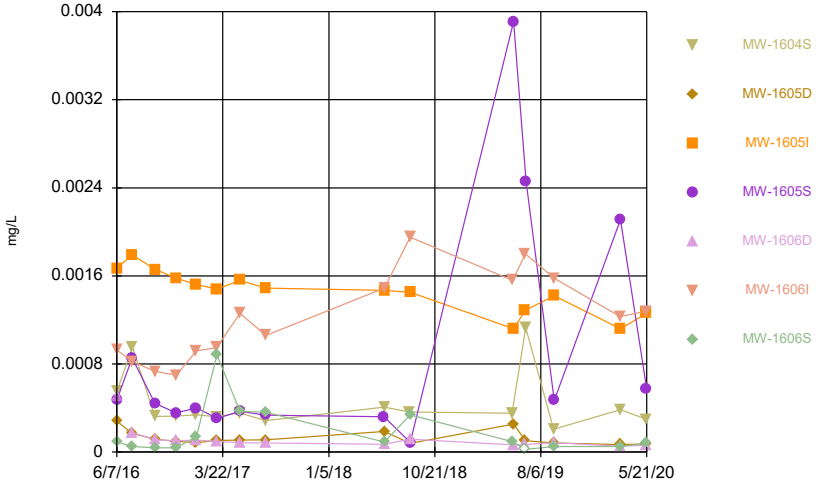
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

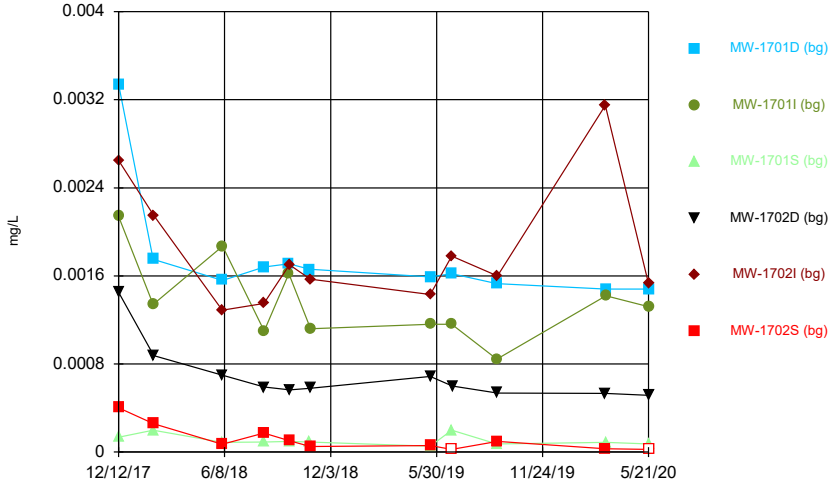
Time Series



Constituent: Cobalt, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

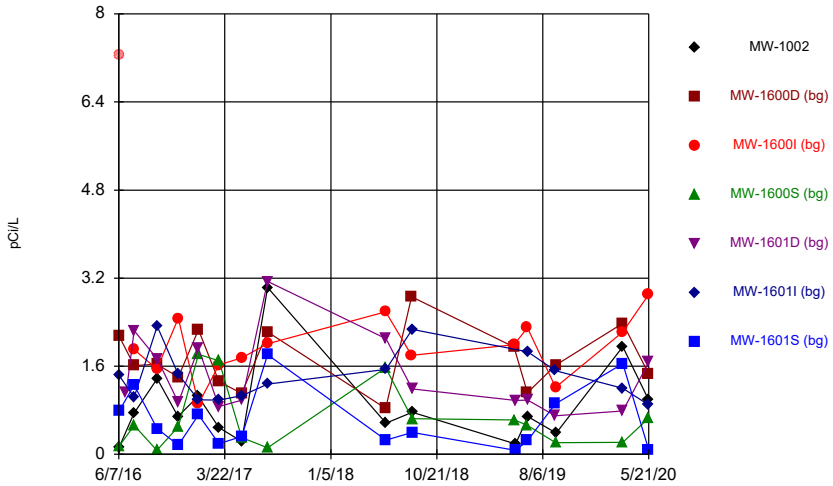
Time Series



Constituent: Cobalt, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

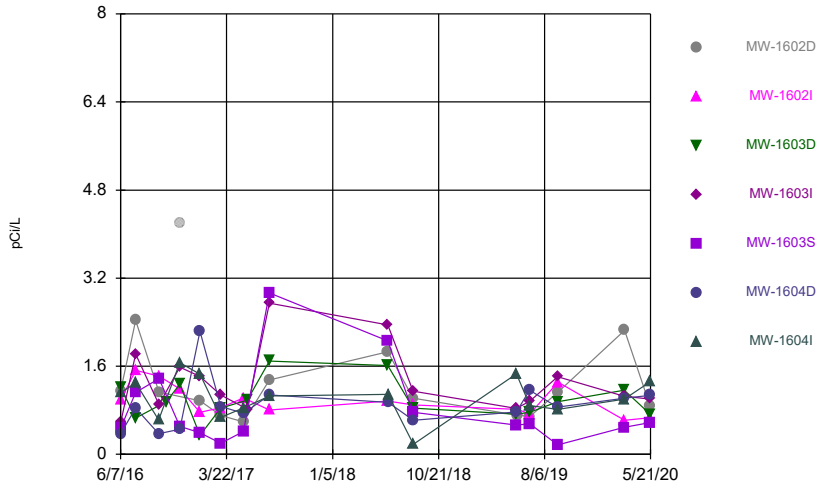
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

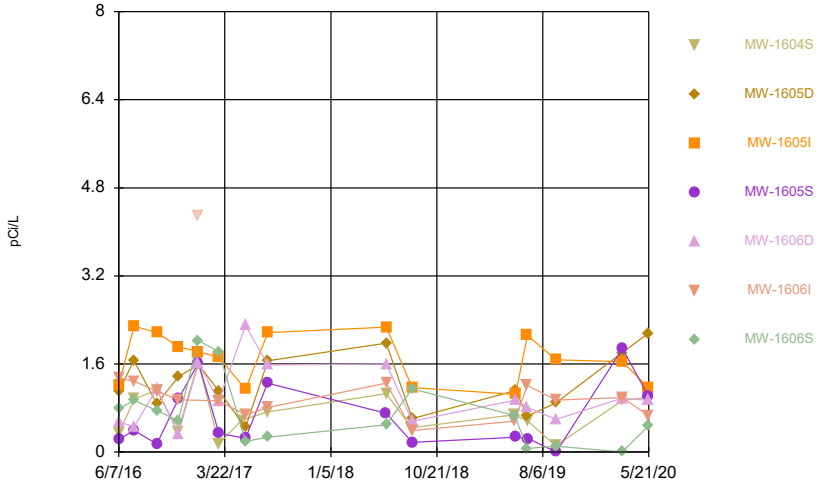
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

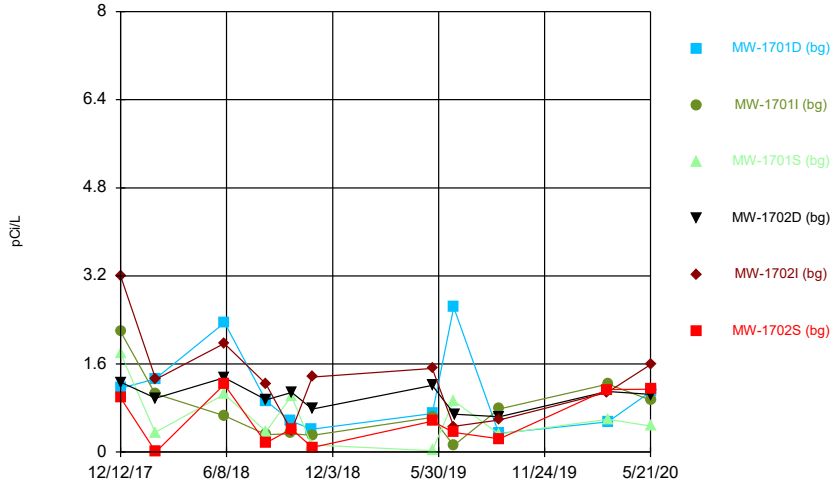
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

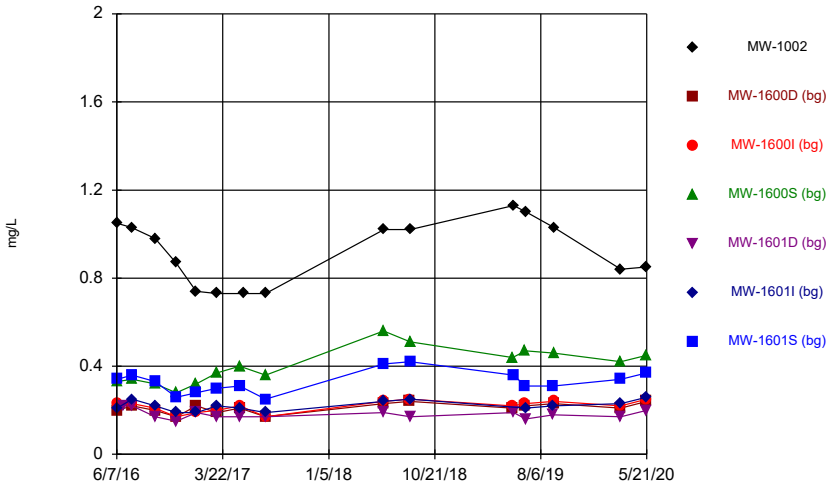
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

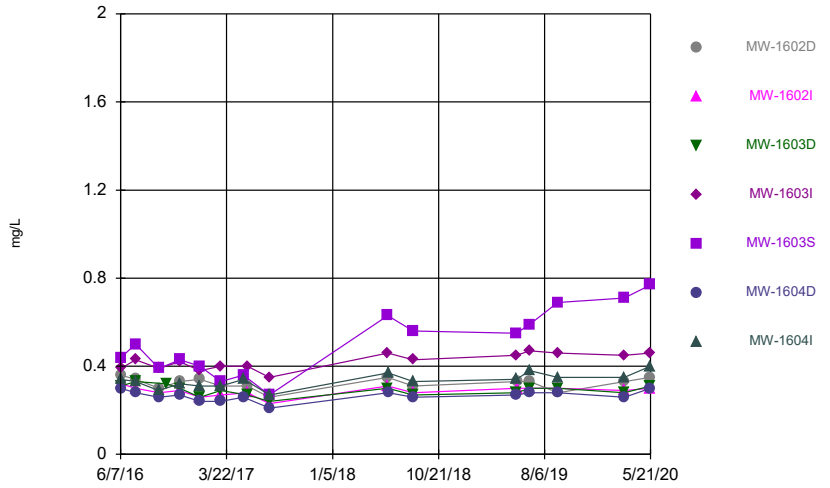
Time Series



Constituent: Fluoride, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

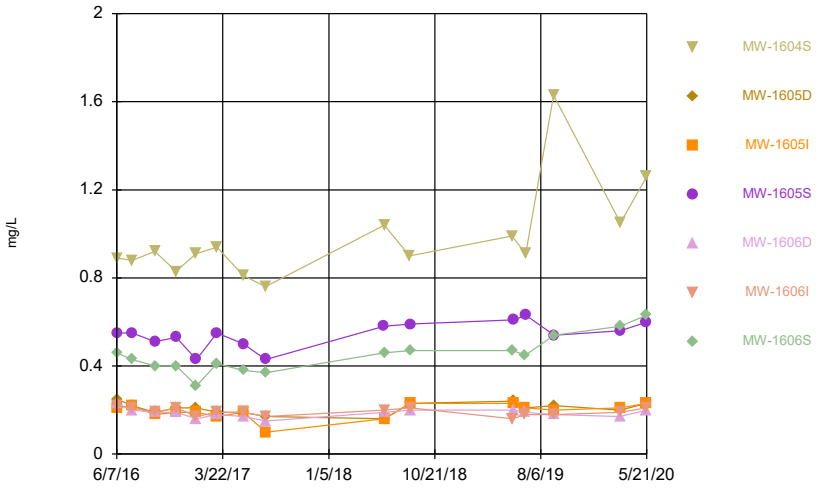
Time Series



Constituent: Fluoride, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

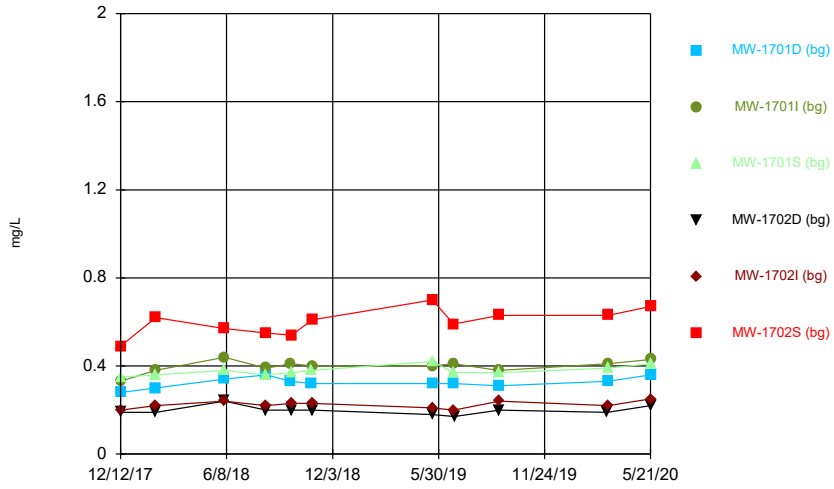
Time Series



Constituent: Fluoride, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

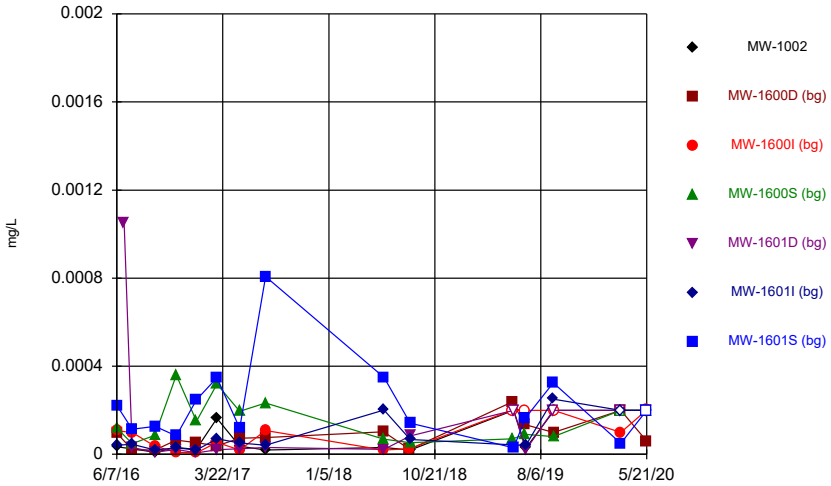
Time Series



Constituent: Fluoride, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

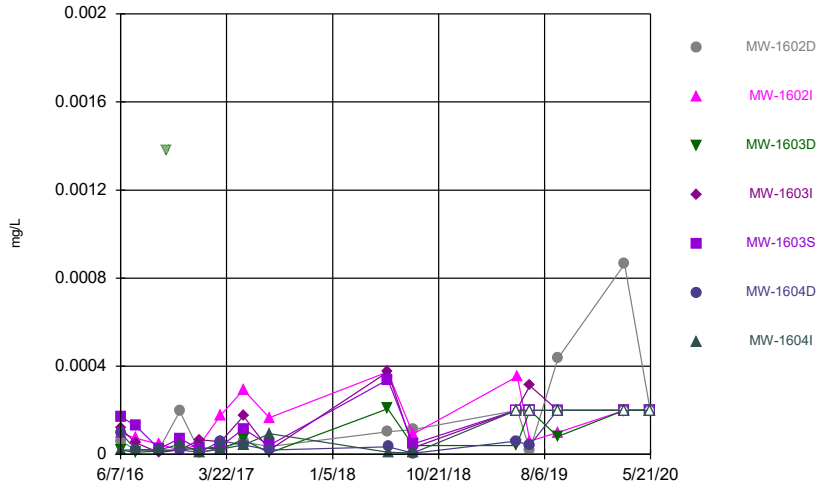
Time Series



Constituent: Lead, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

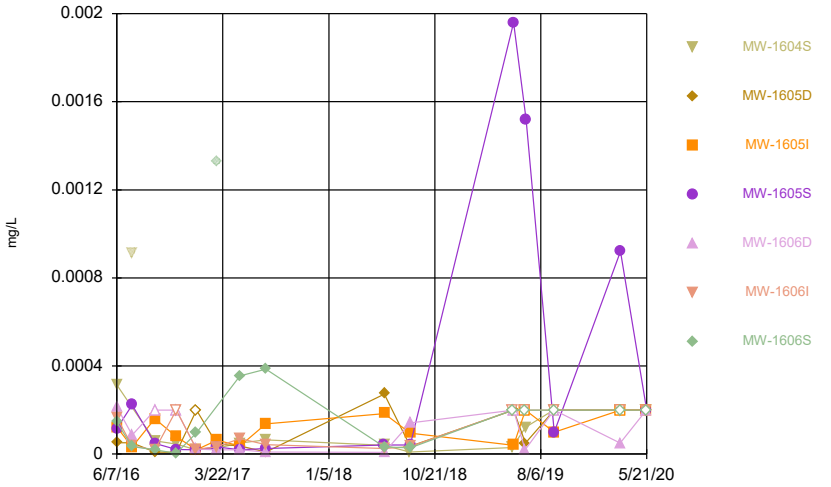
Time Series



Constituent: Lead, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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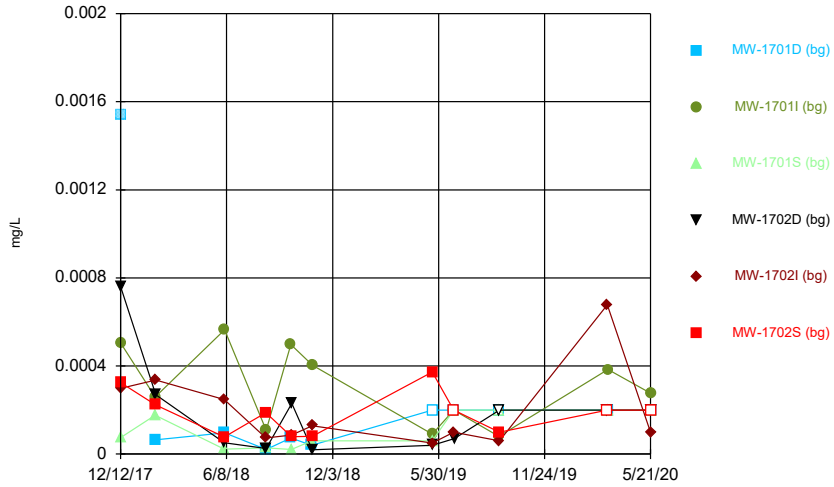
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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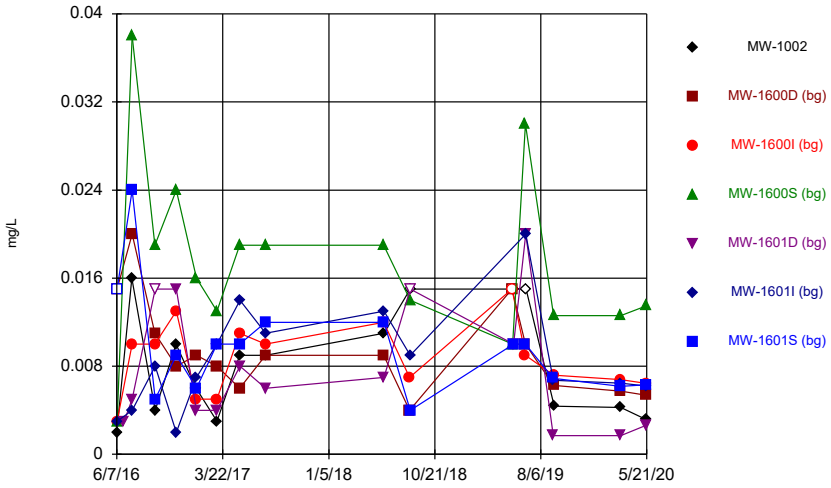
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

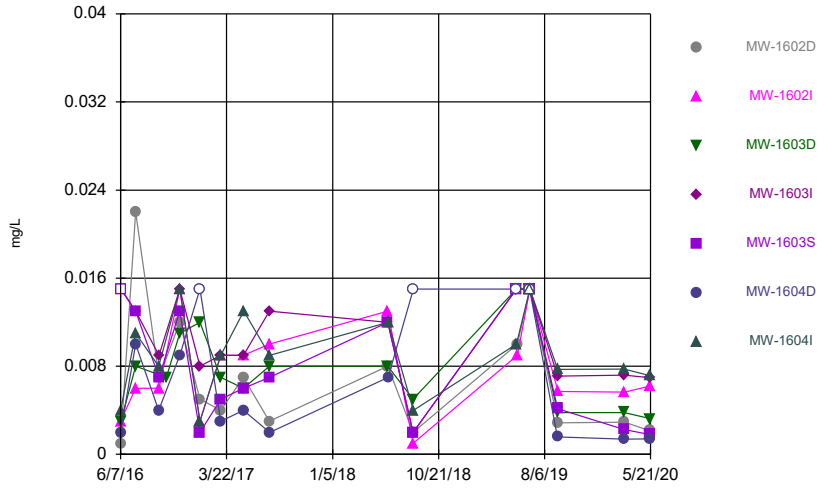
Time Series



Constituent: Lithium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

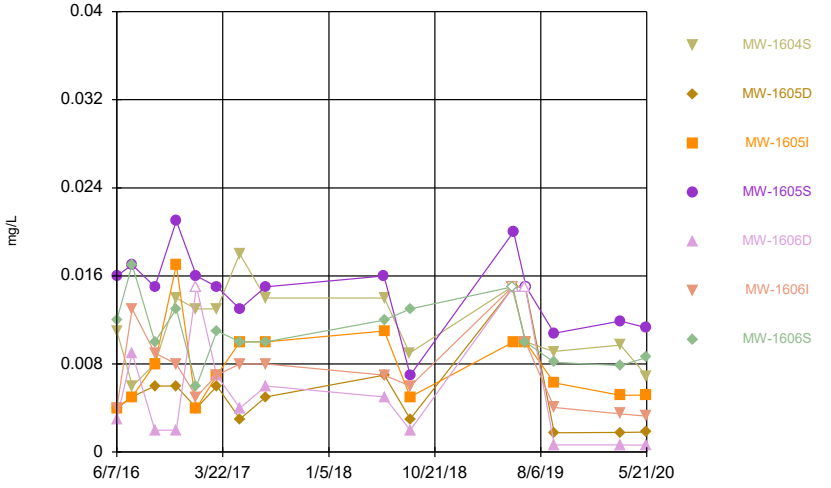
Time Series



Constituent: Lithium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Lithium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
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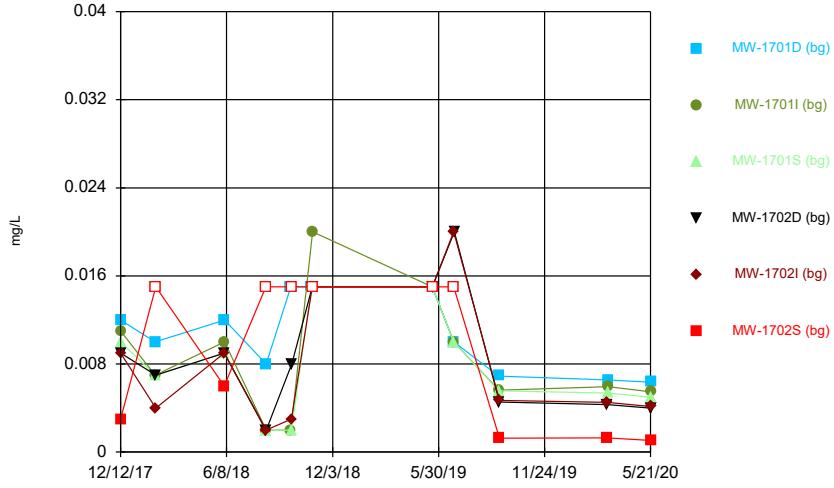
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Lithium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
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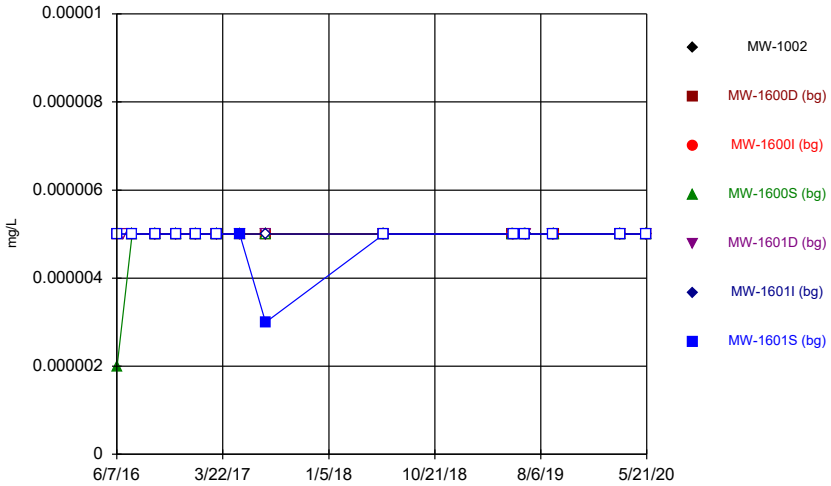
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

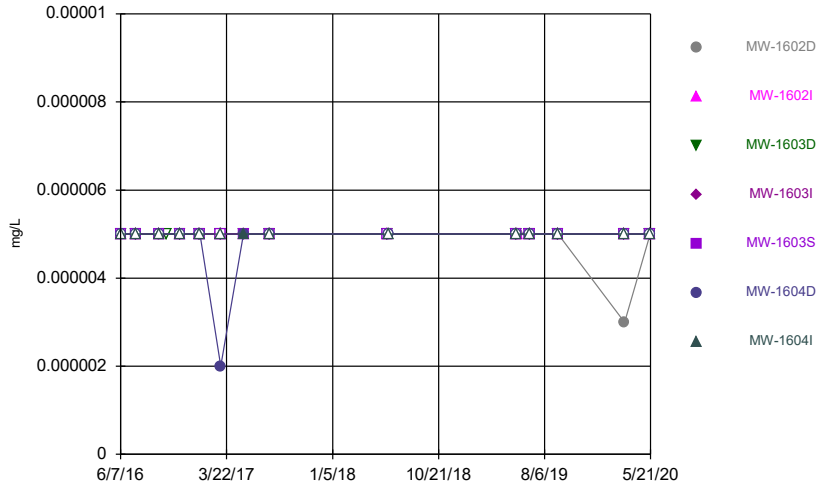
Time Series



Constituent: Mercury, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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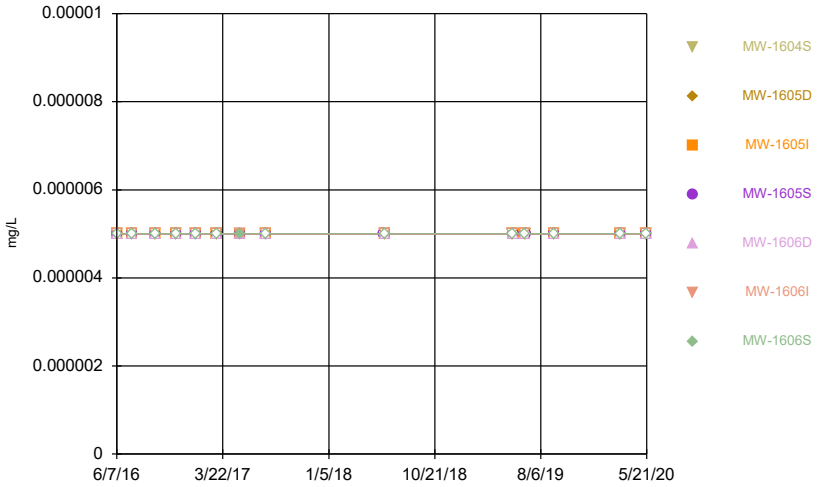
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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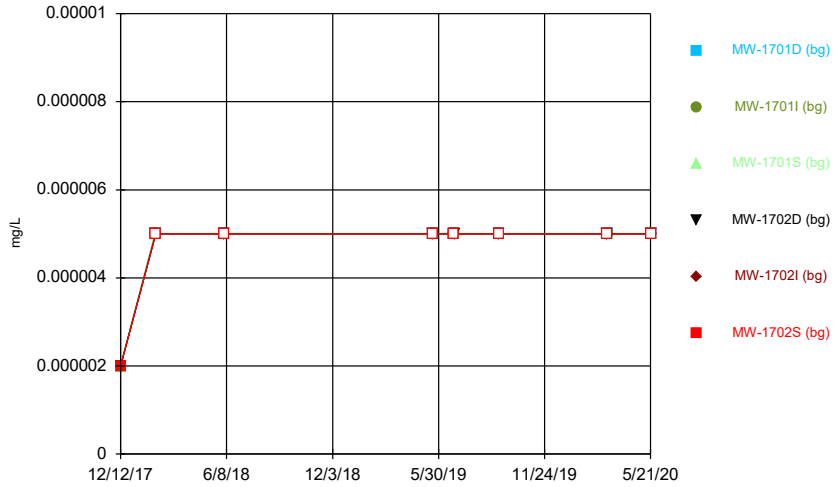
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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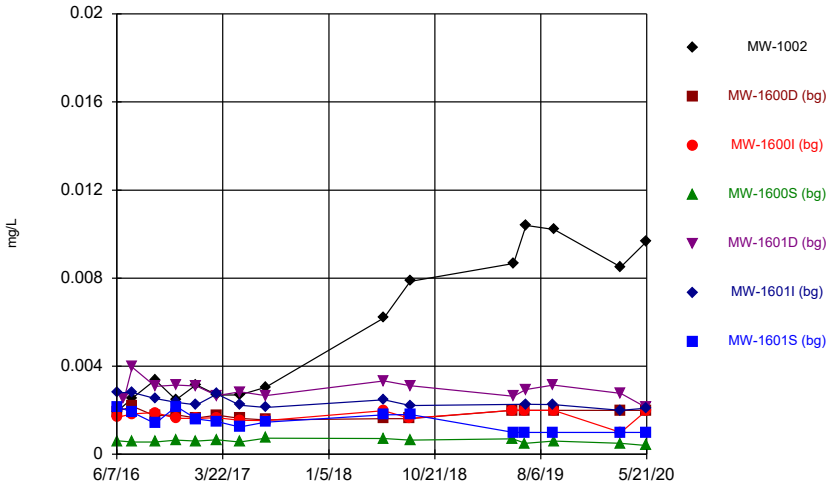
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Time Series



Constituent: Molybdenum, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
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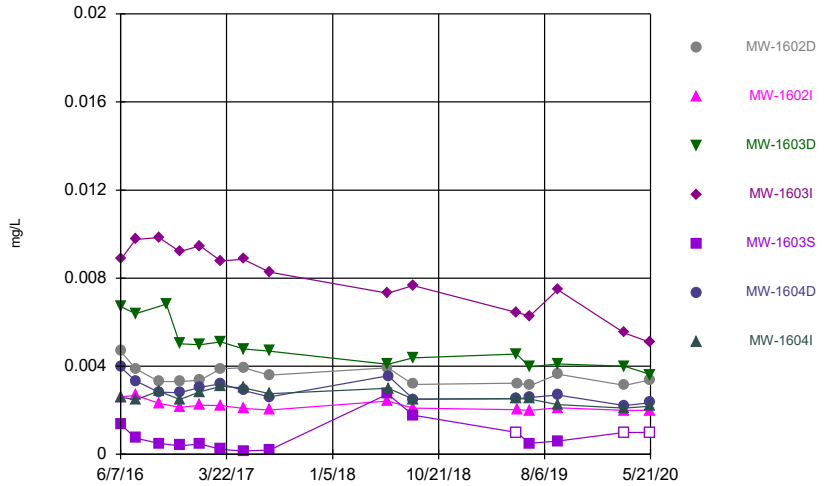
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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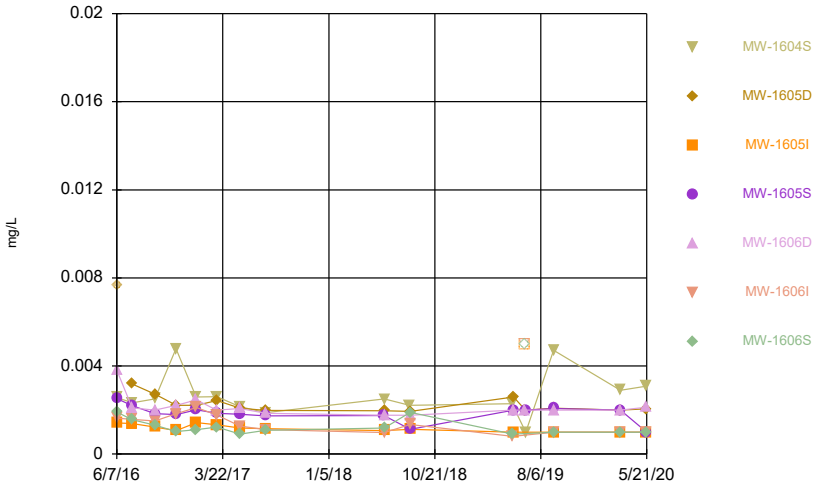
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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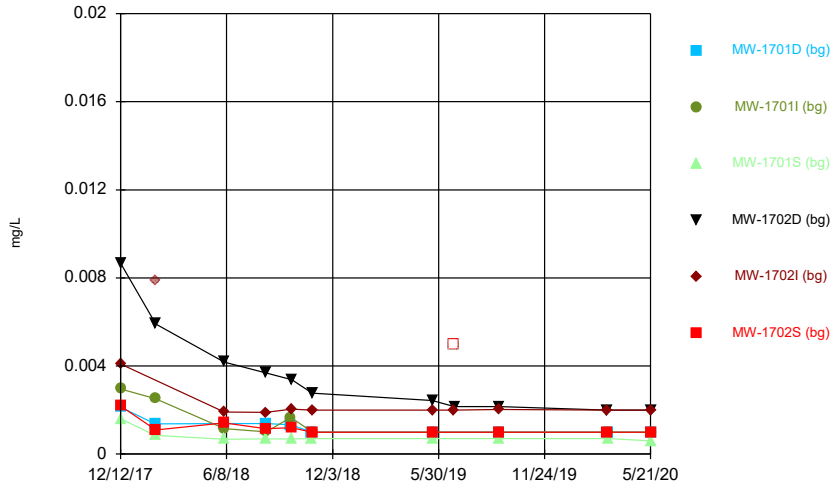
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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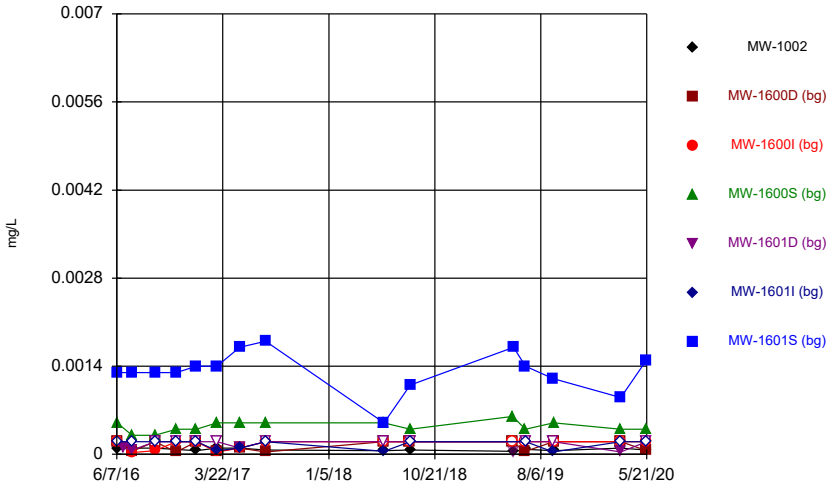
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

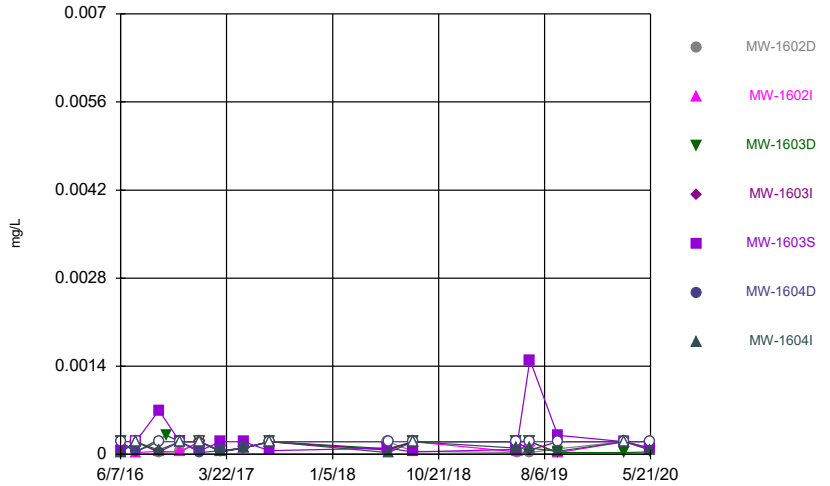
Time Series



Constituent: Selenium, total Analysis Run 7/8/2020 4:47 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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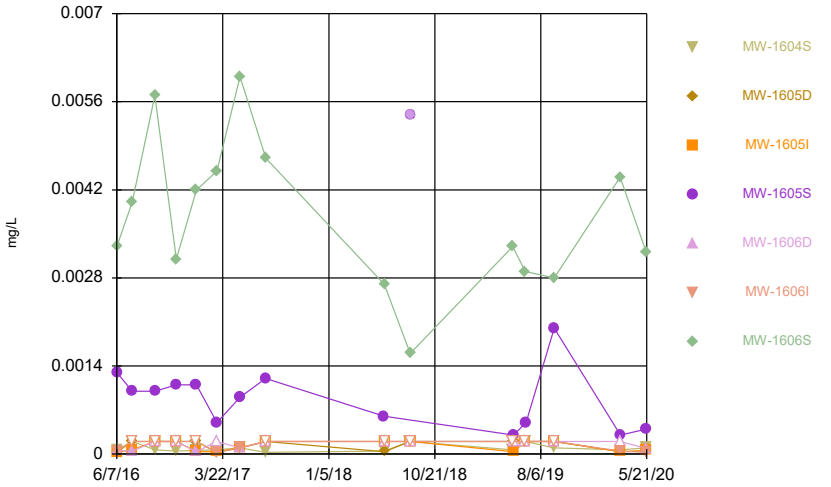
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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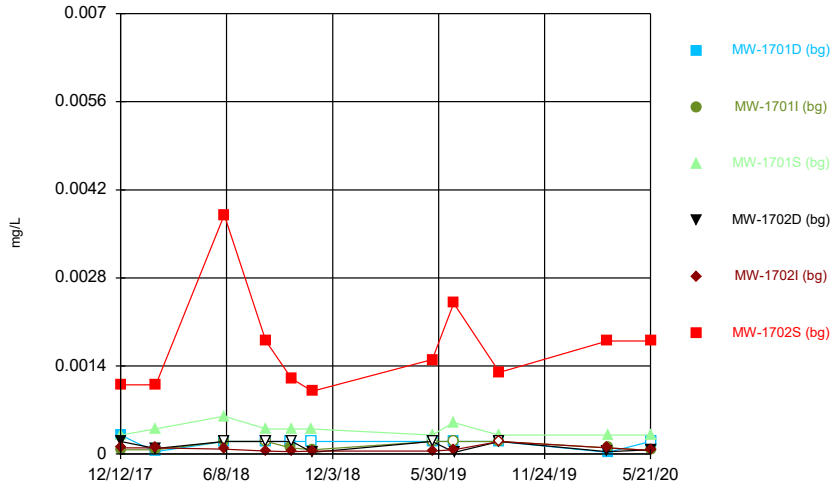
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
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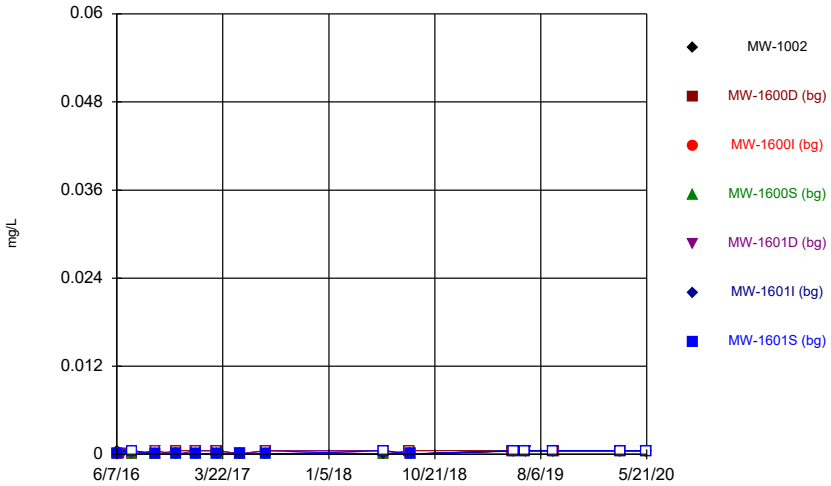

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Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
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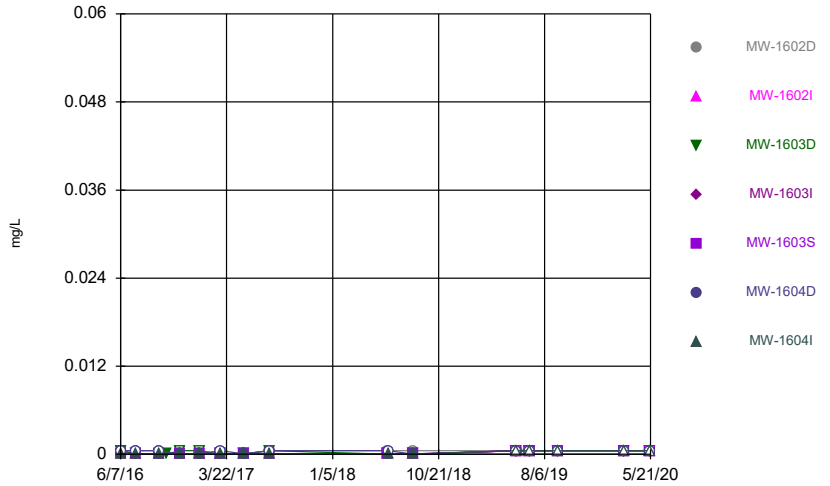

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Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
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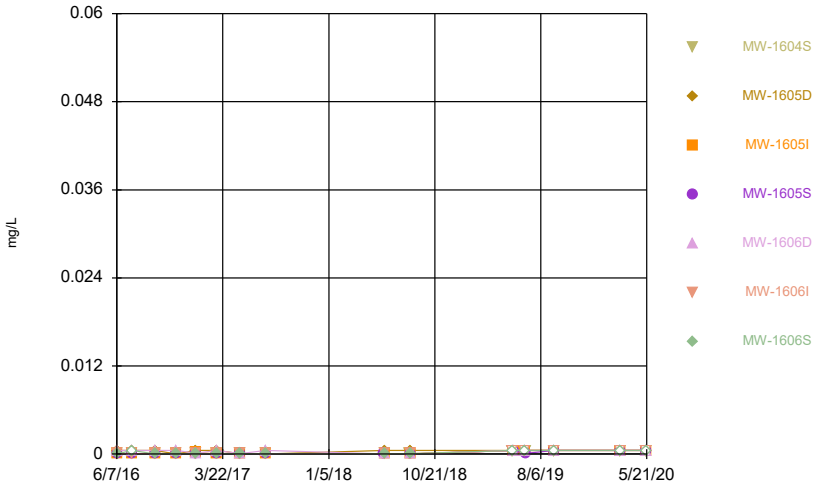
Time Series



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Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG
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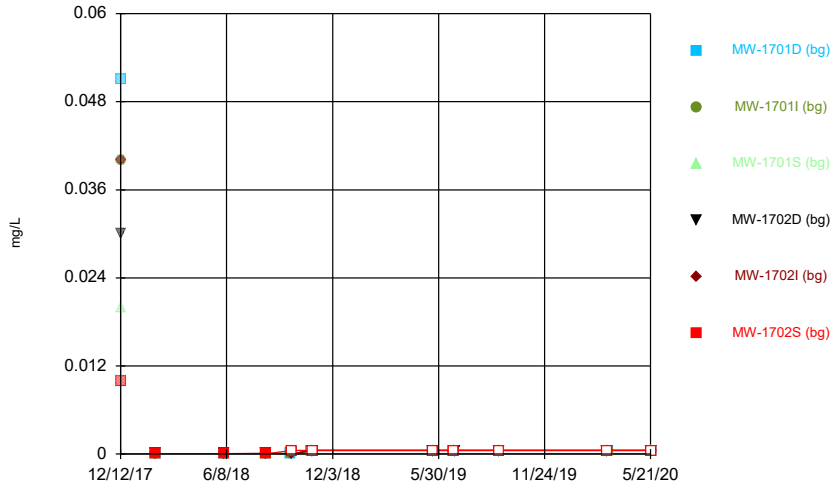

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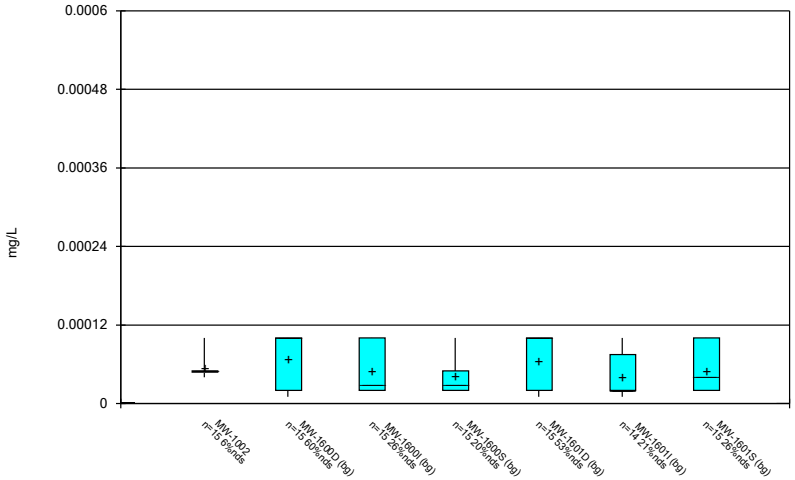
Rockport BAP Client: Geosyntec Data: Rockport_BAP

FIGURE B.

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

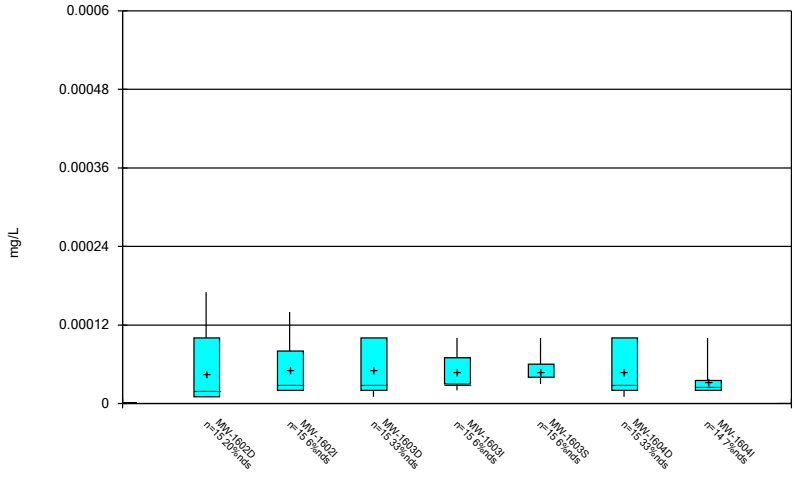
Box & Whiskers Plot



Constituent: Antimony, total Analysis Run 7/8/2020 4:50 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

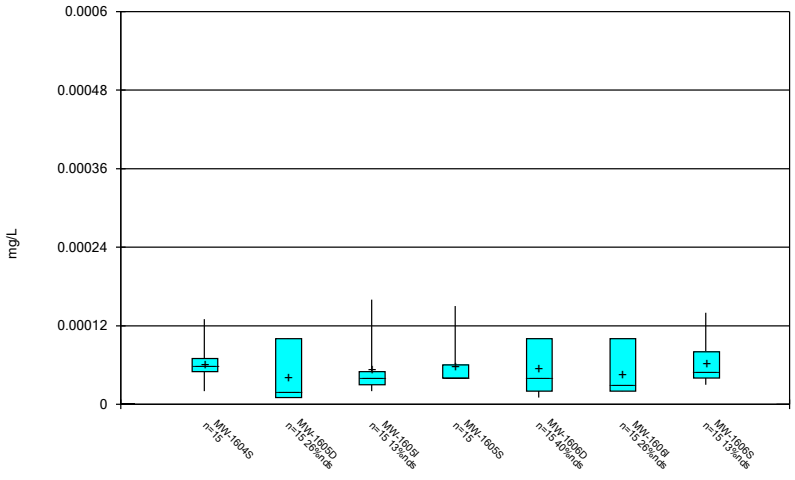
Box & Whiskers Plot



Constituent: Antimony, total Analysis Run 7/8/2020 4:50 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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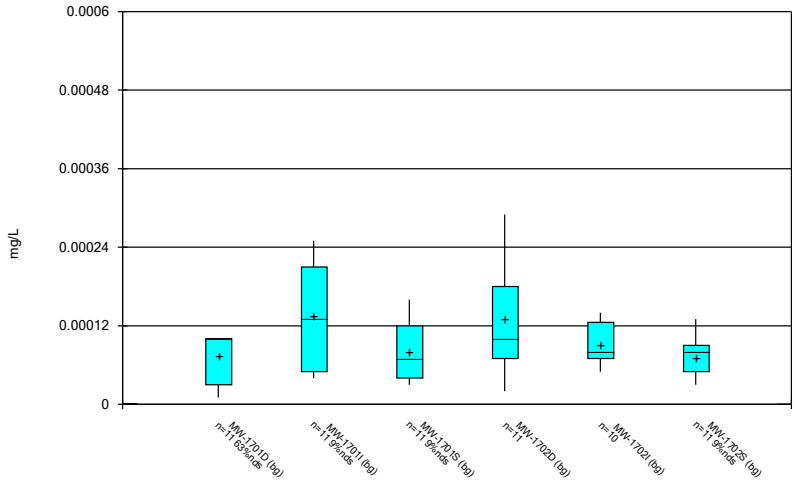
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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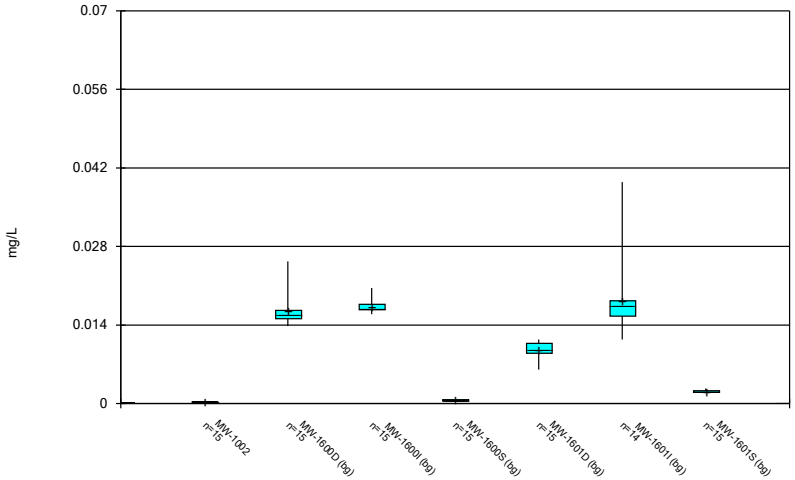
Box & Whiskers Plot



Constituent: Arsenic, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
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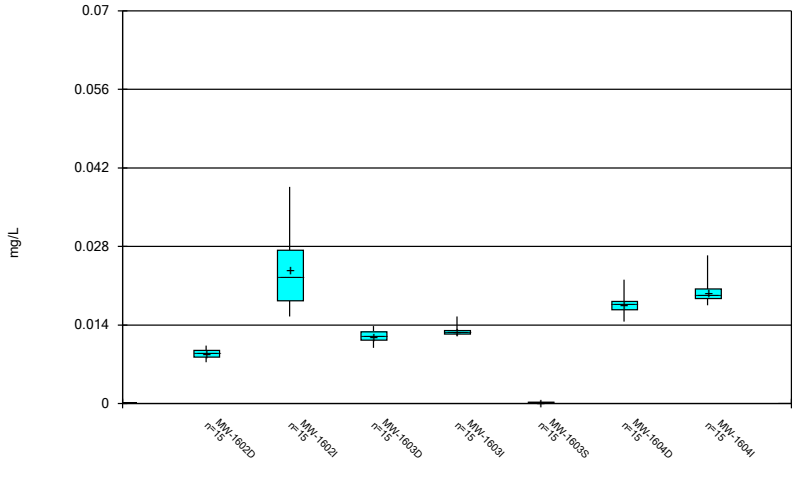
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

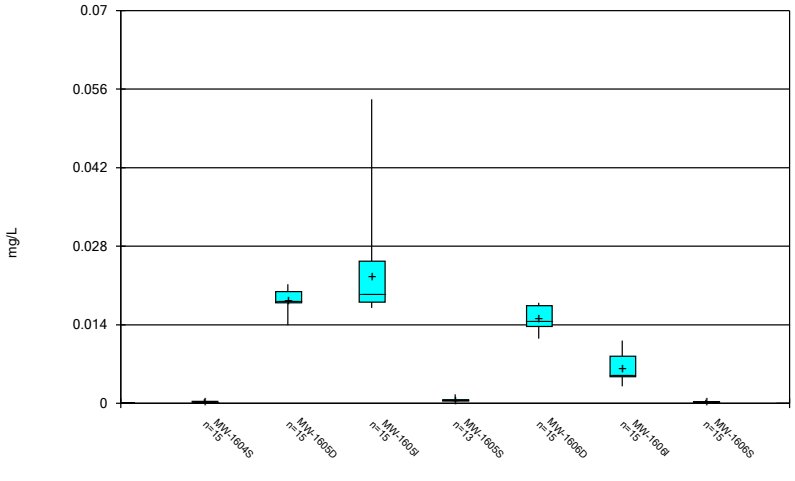
Box & Whiskers Plot



Constituent: Arsenic, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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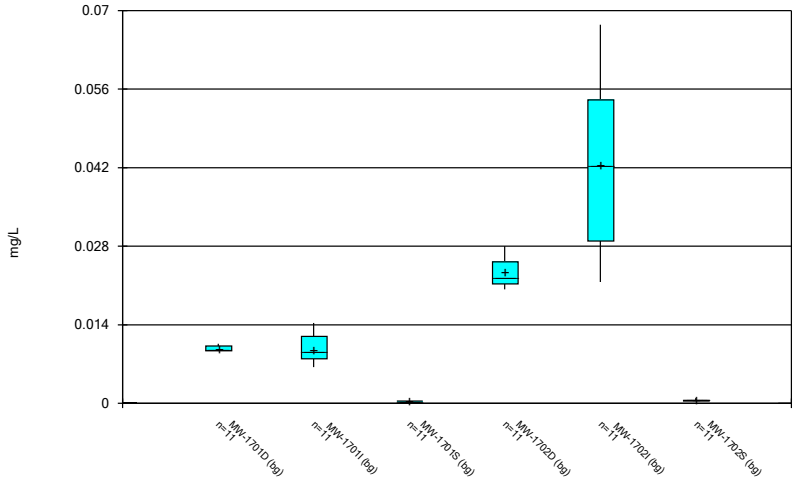
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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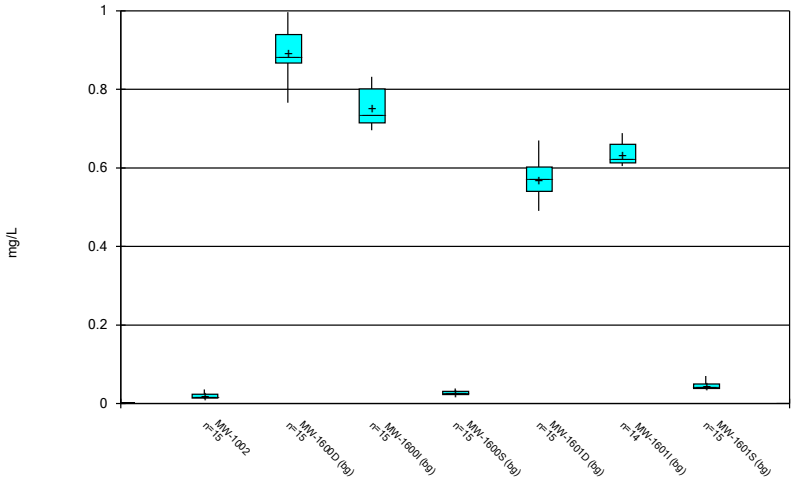
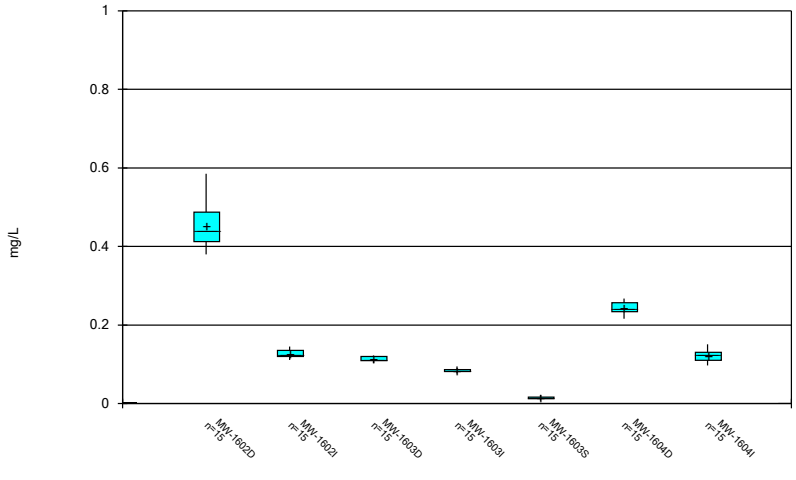
Box & Whiskers Plot



Constituent: Barium, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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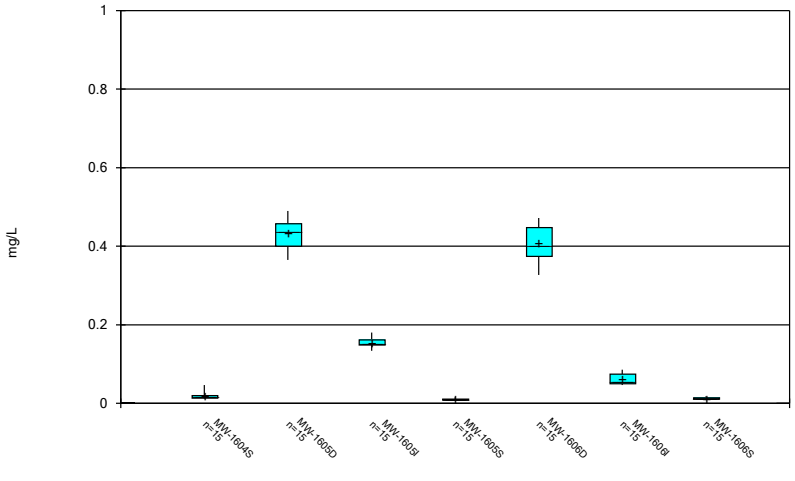
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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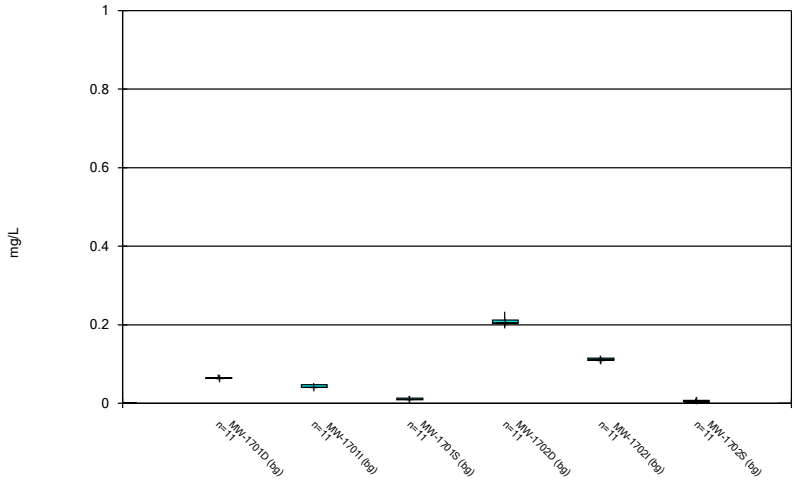
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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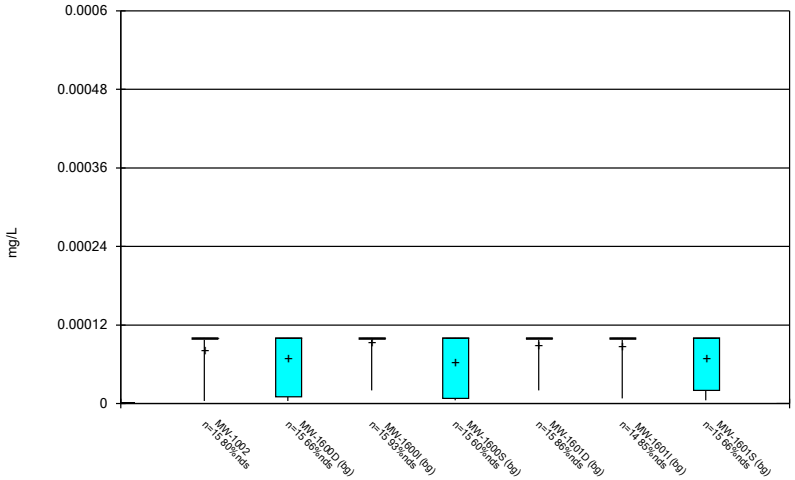
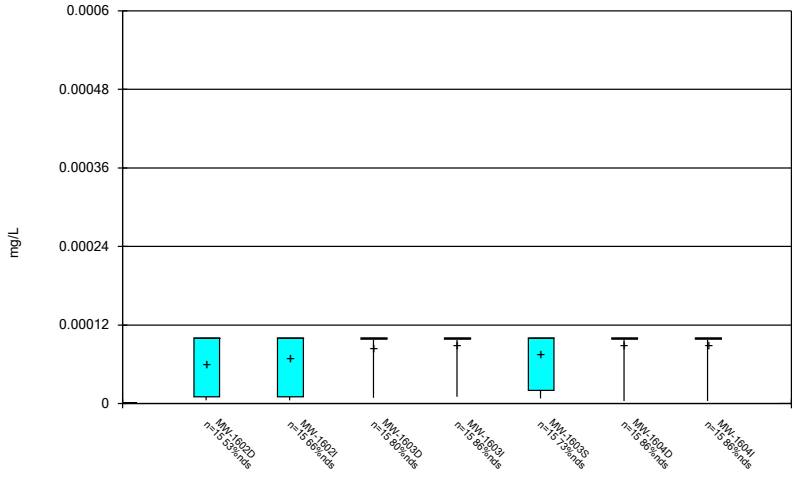
Box & Whiskers Plot



Constituent: Beryllium, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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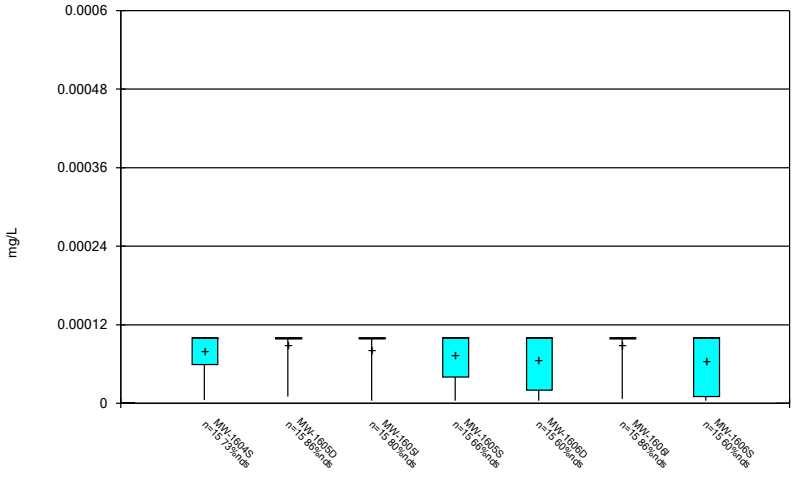
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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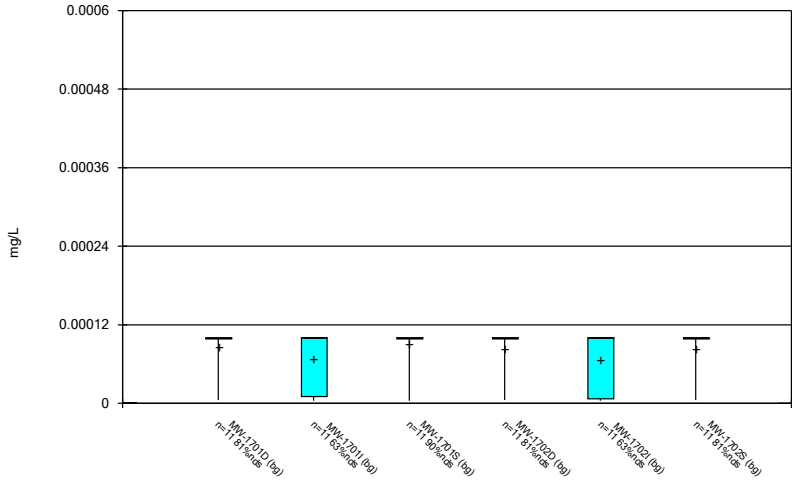
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

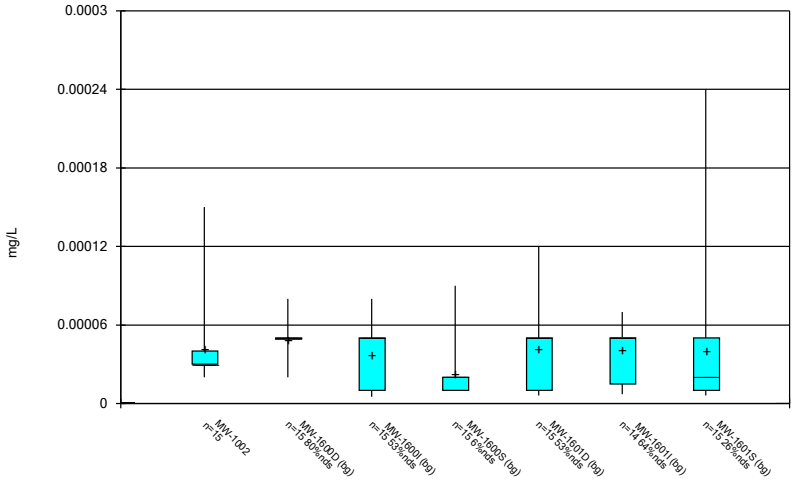
Box & Whiskers Plot



Constituent: Beryllium, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

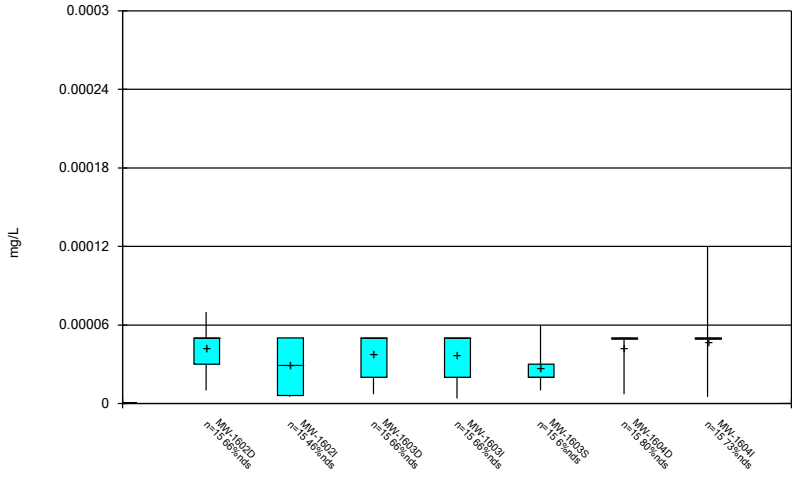
Box & Whiskers Plot



Constituent: Cadmium, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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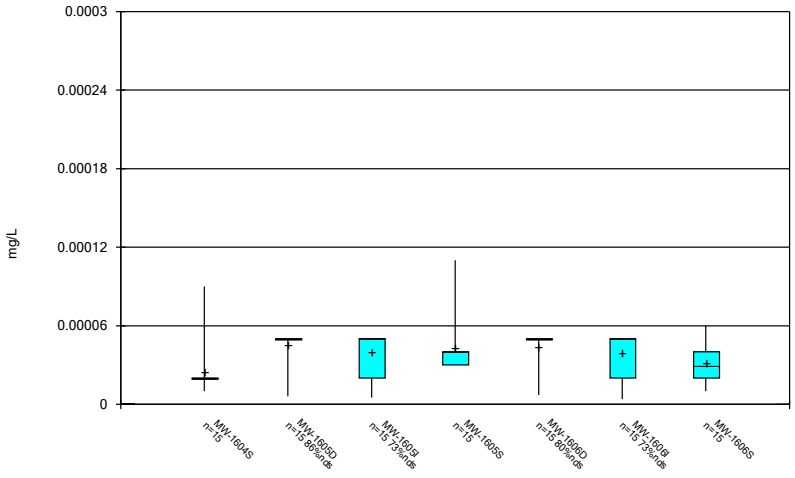
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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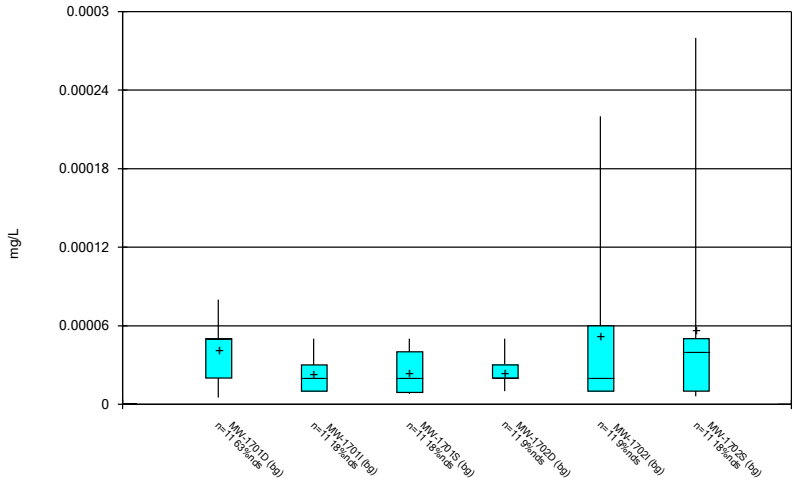
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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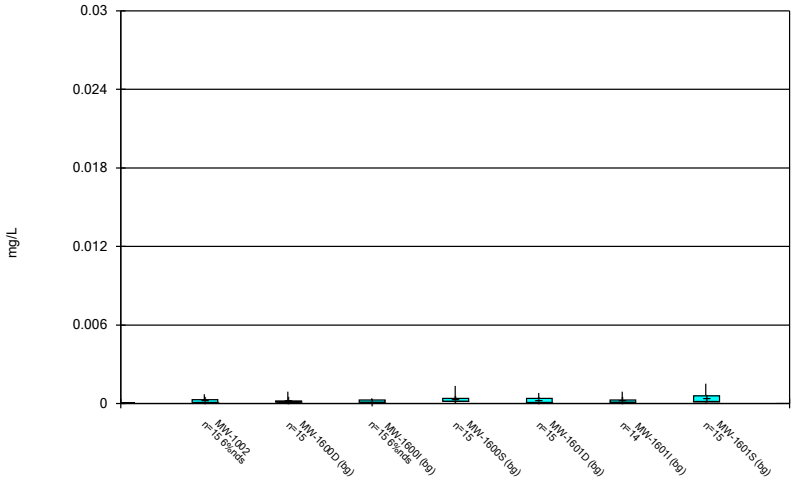
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Box & Whiskers Plot



Constituent: Chromium, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
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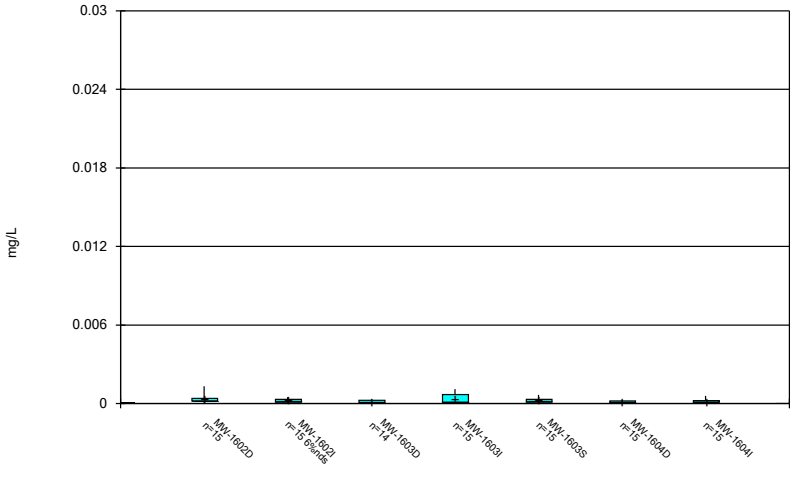
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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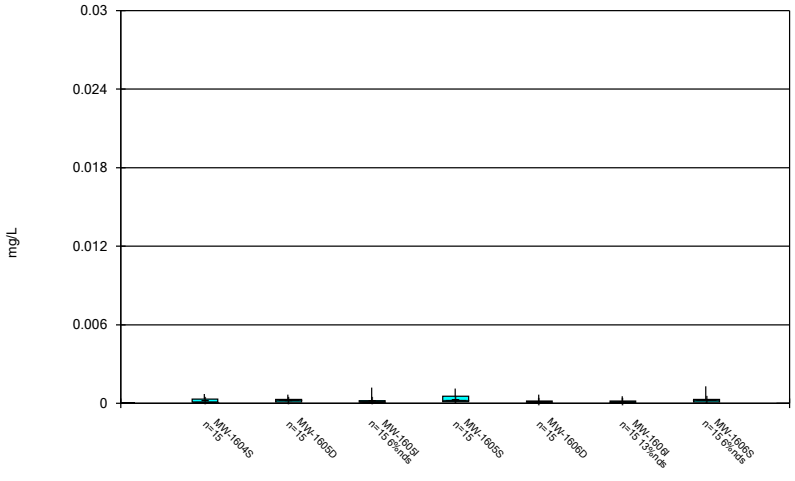
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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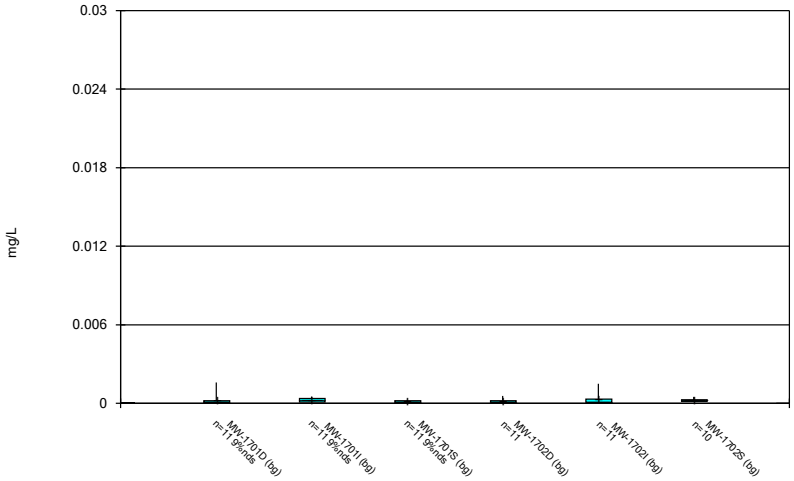
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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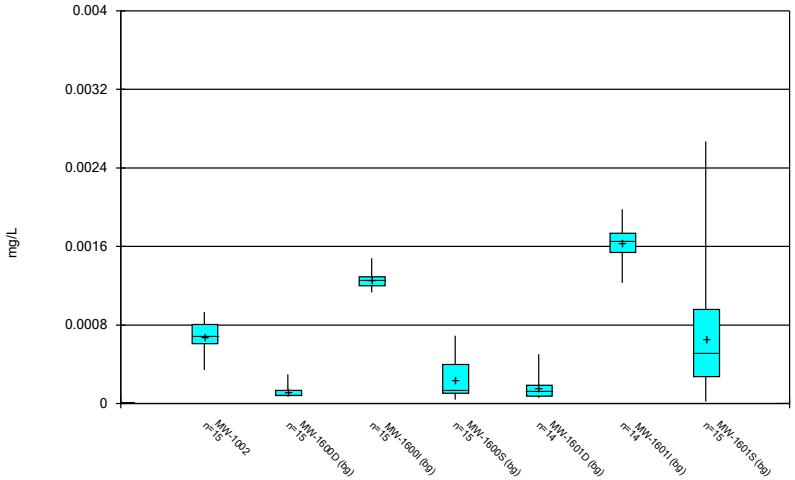
Rockport BAP Client: Geosyntec Data: Rockport_BAP

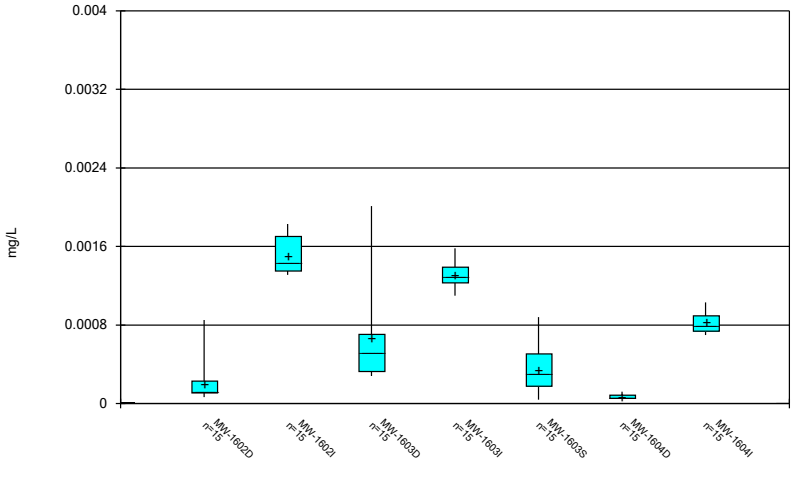
Box & Whiskers Plot



Constituent: Cobalt, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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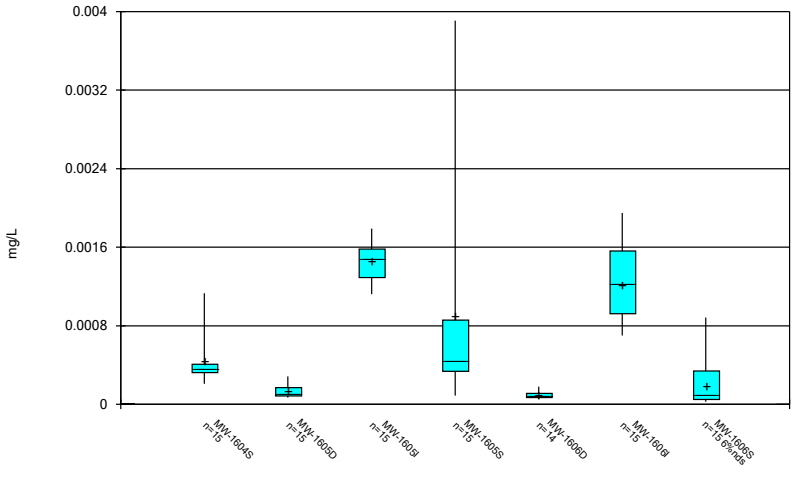
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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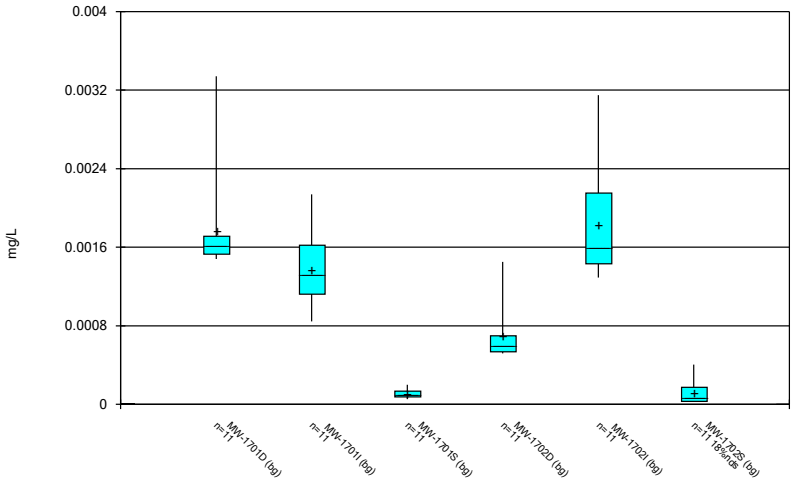
Rockport BAP Client: Geosyntec Data: Rockport_BAP

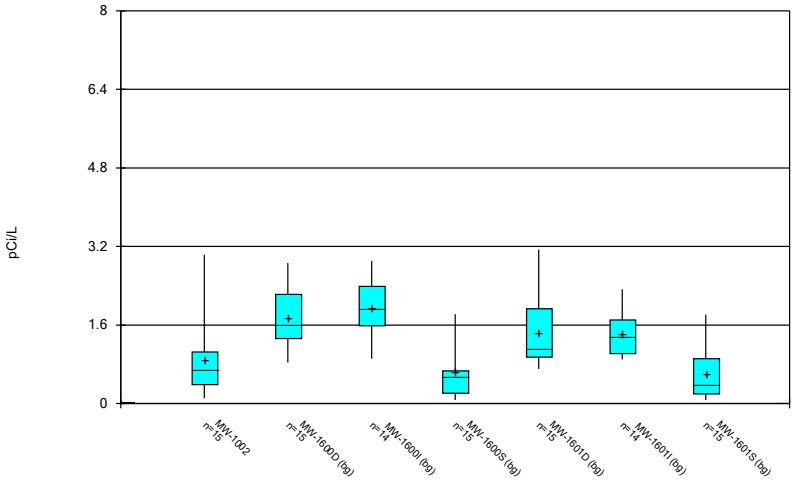
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cobalt, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

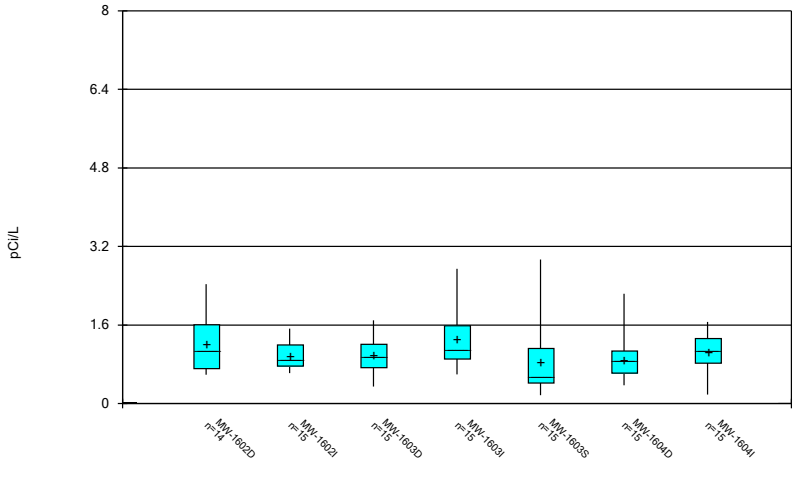
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

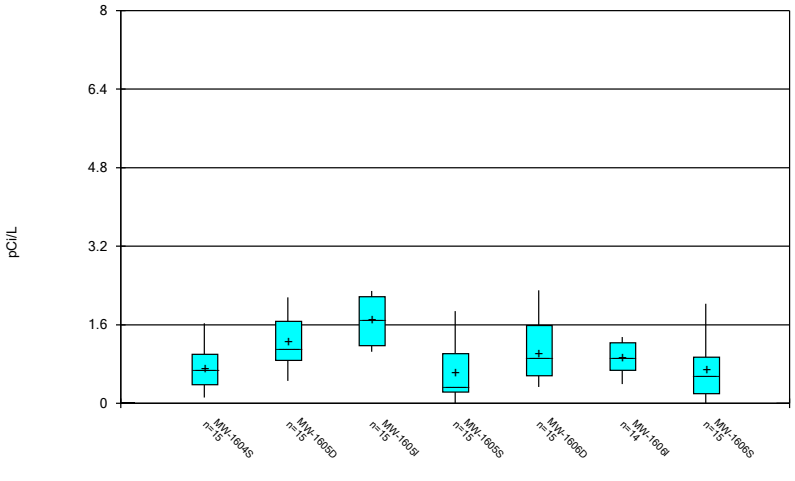
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

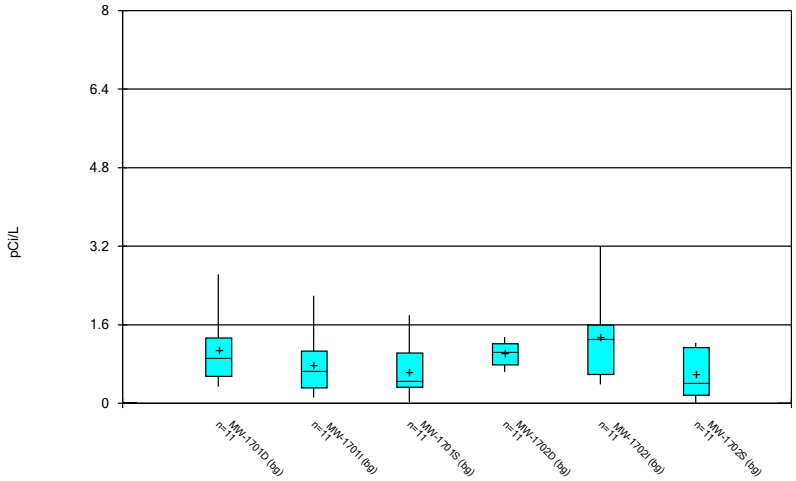
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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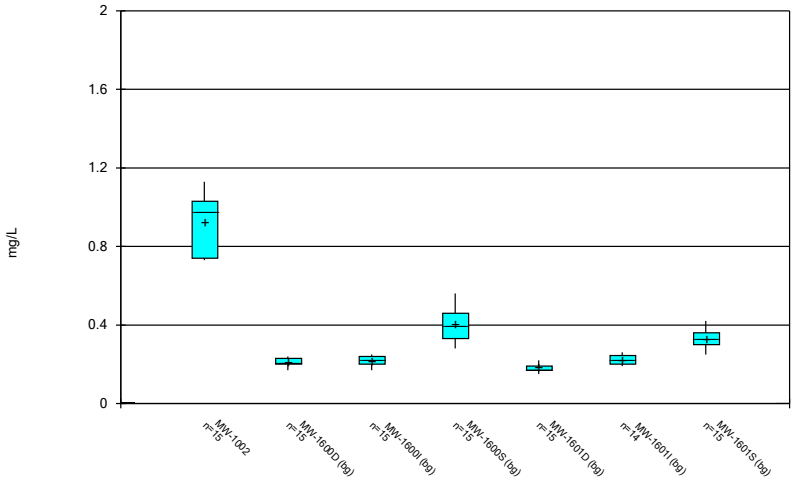
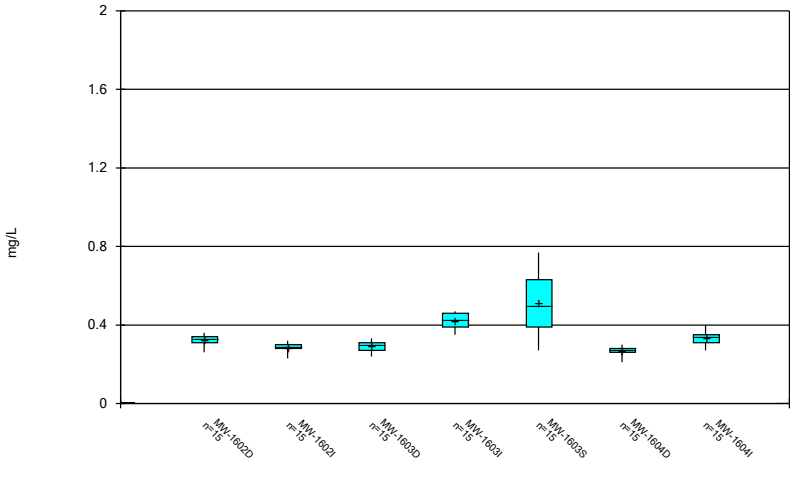
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Box & Whiskers Plot



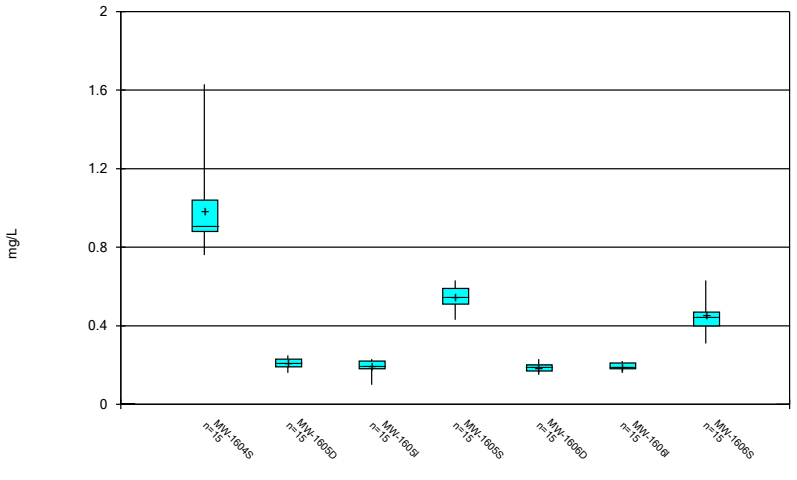
Constituent: Fluoride, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Box & Whiskers Plot



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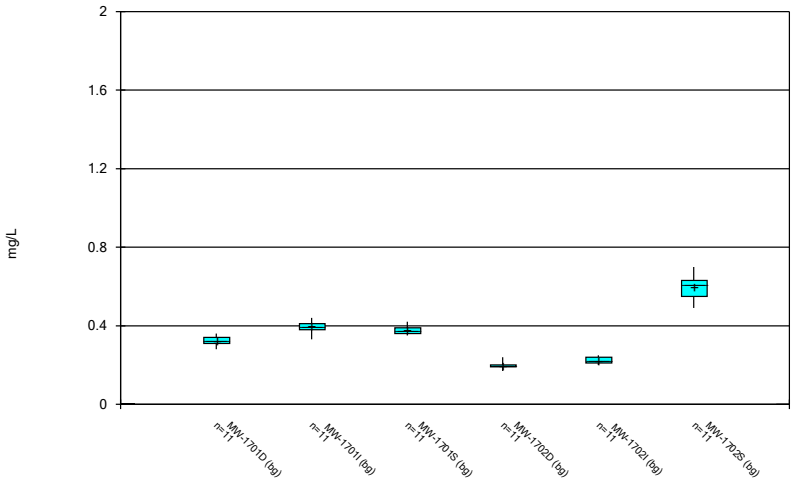
Box & Whiskers Plot



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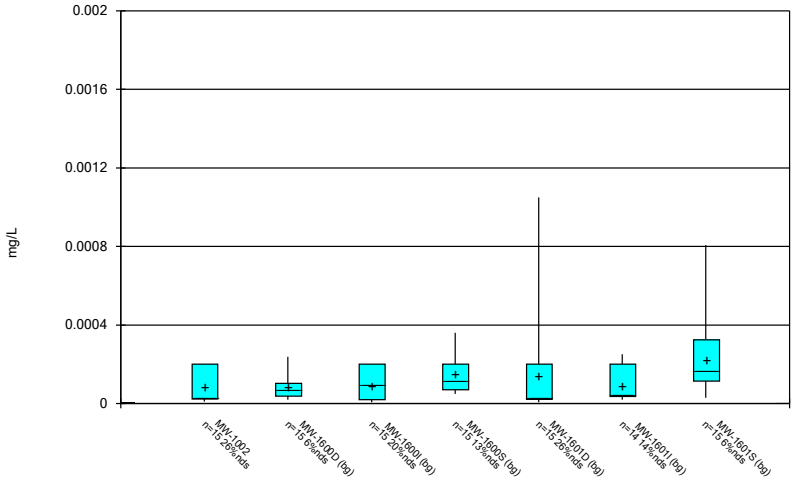
Rockport BAP Client: Geosyntec Data: Rockport_BAP

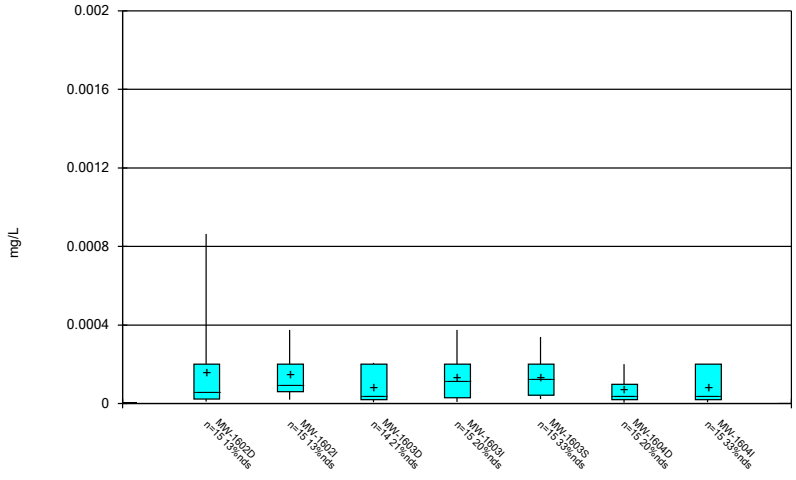
Box & Whiskers Plot



Constituent: Lead, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

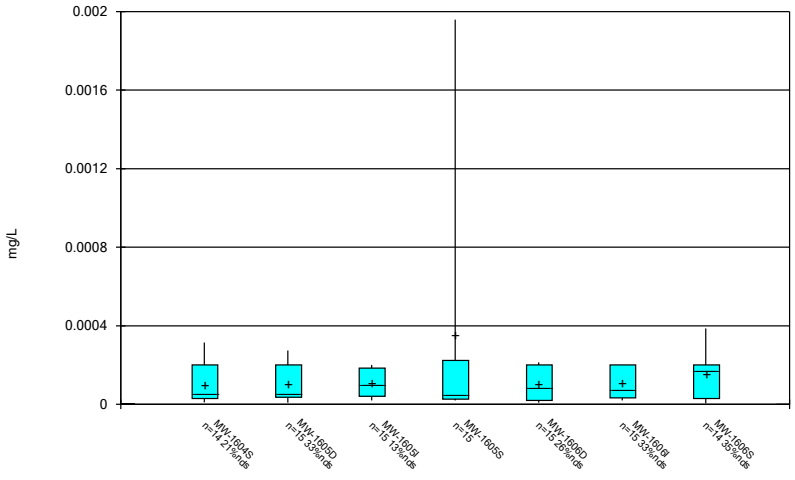
Box & Whiskers Plot



Constituent: Lead, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

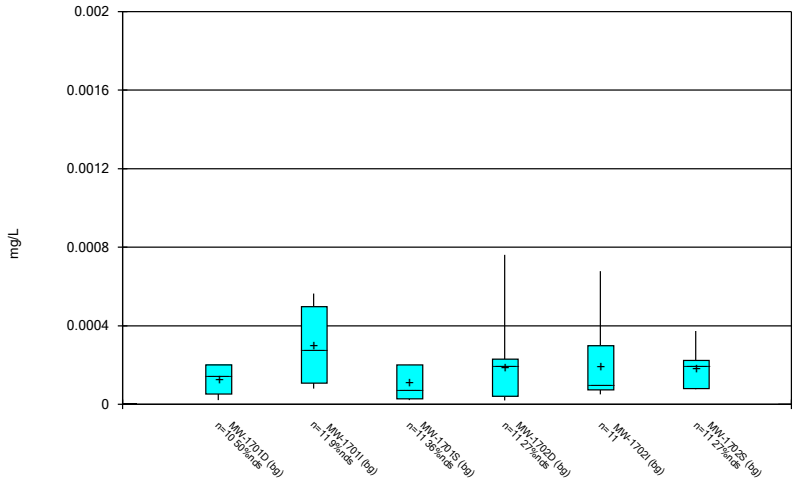
Box & Whiskers Plot



Constituent: Lead, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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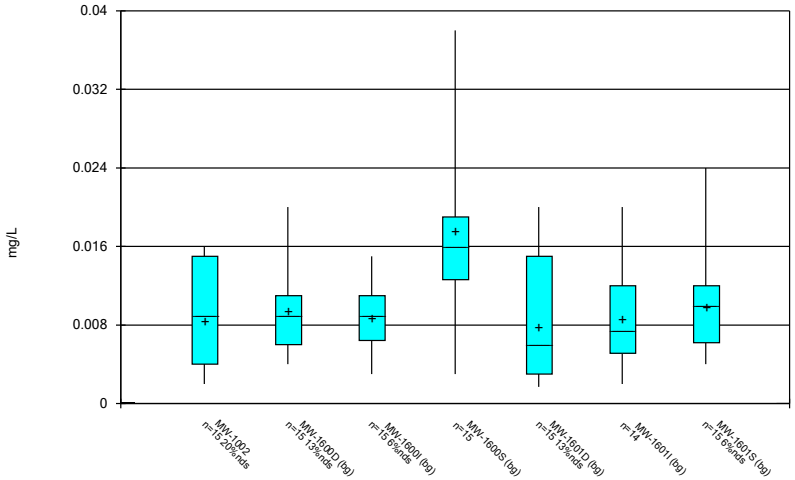
Rockport BAP Client: Geosyntec Data: Rockport_BAP

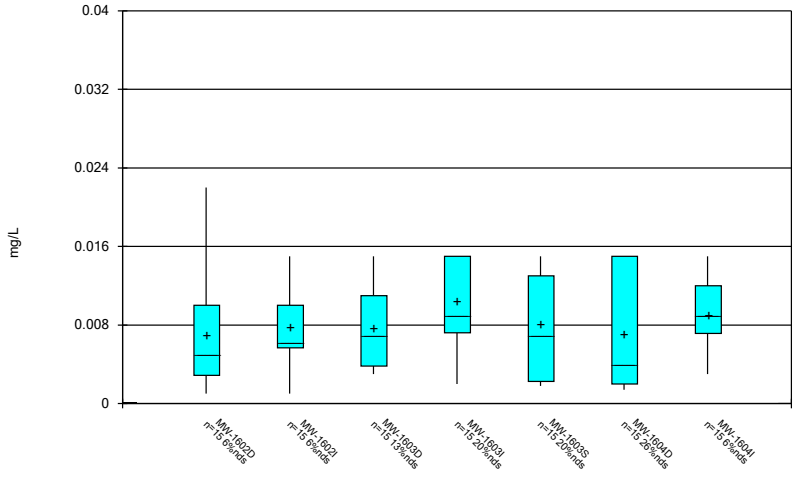
Box & Whiskers Plot



Constituent: Lithium, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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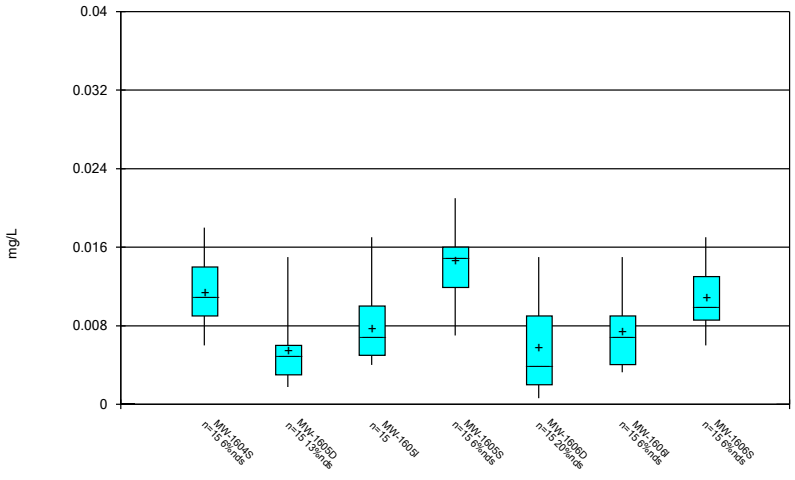
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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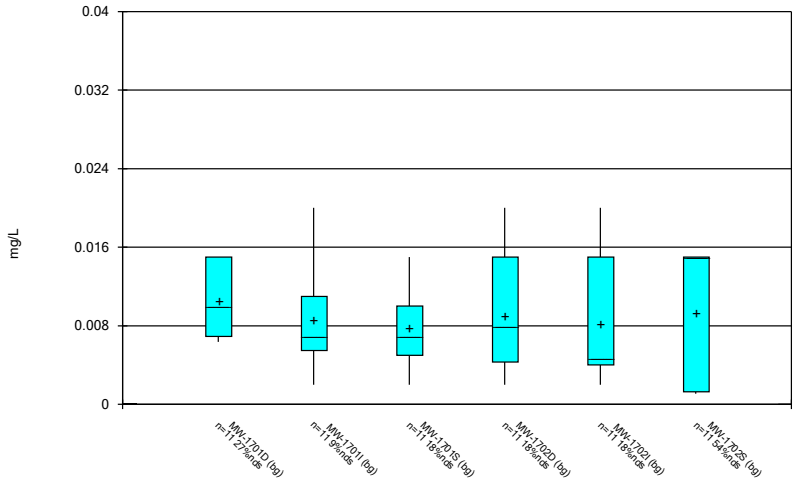
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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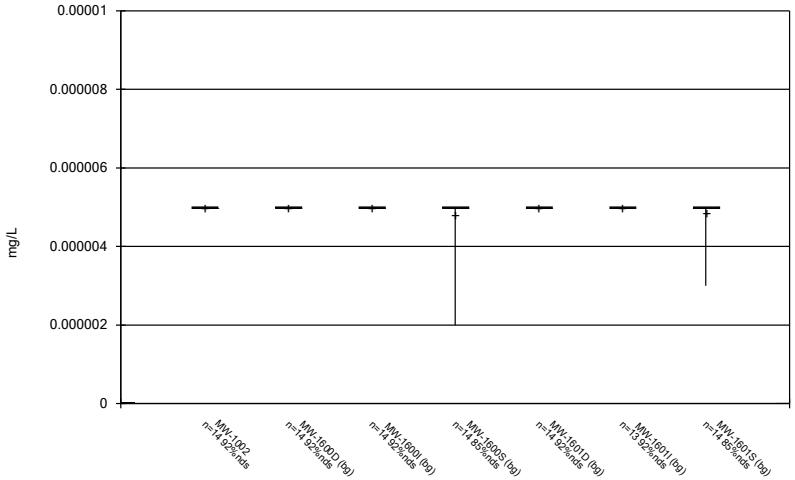
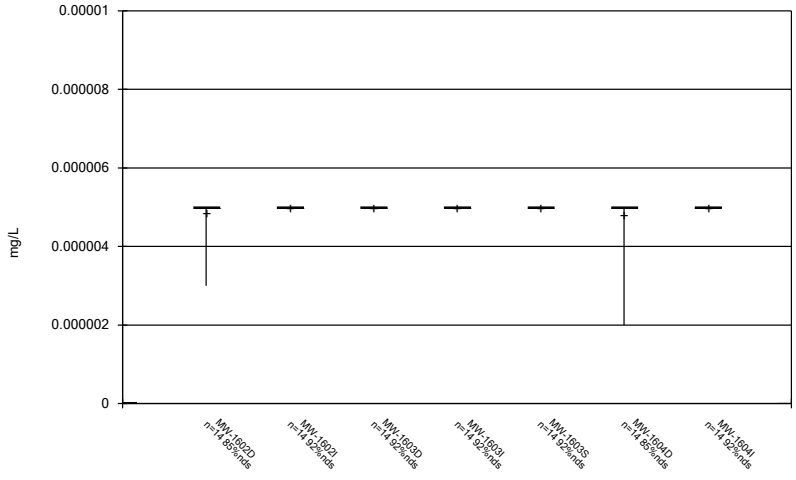
Box & Whiskers Plot



Constituent: Mercury, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Mercury, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
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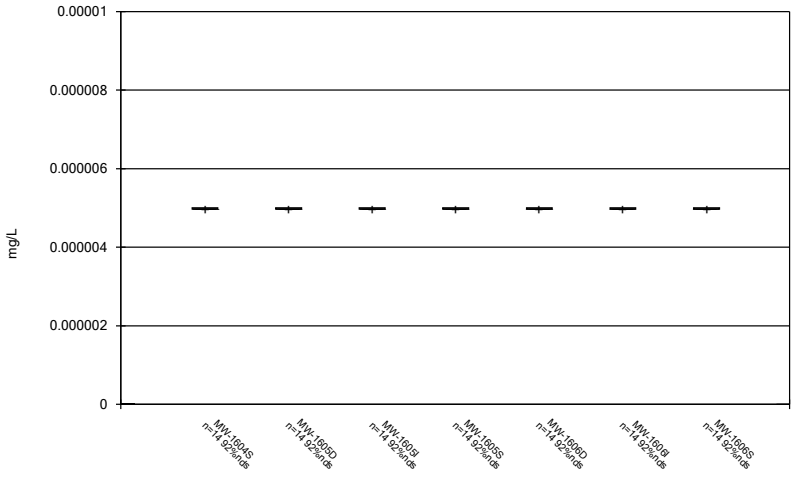
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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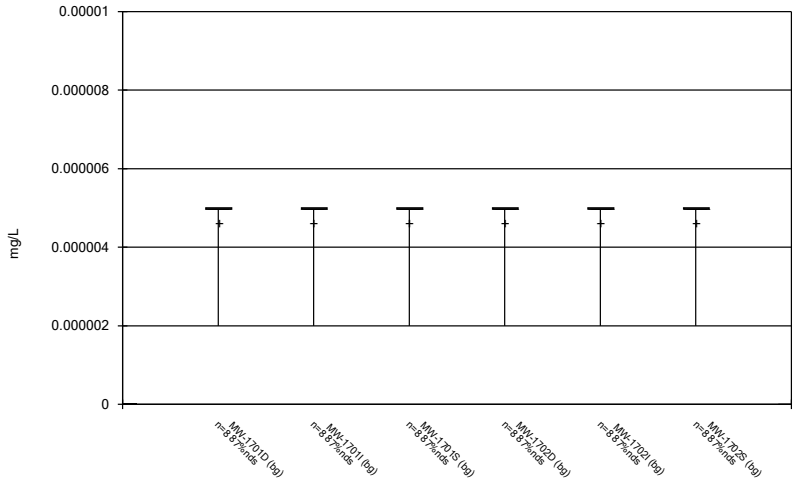
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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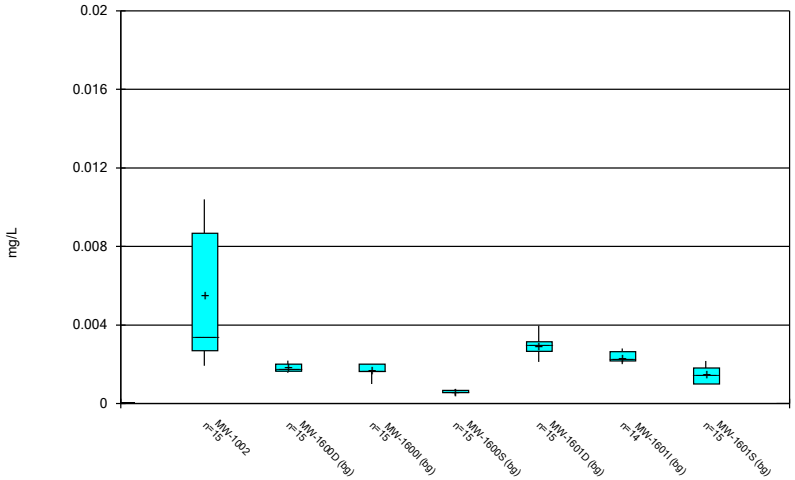
Box & Whiskers Plot



Constituent: Molybdenum, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
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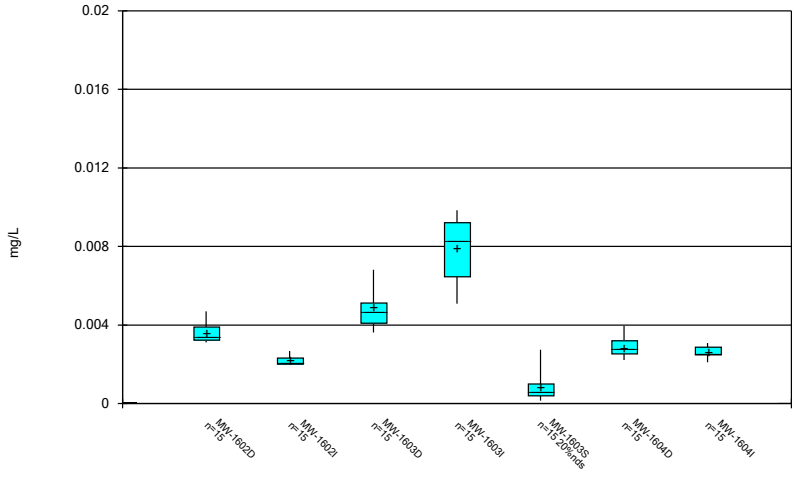
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

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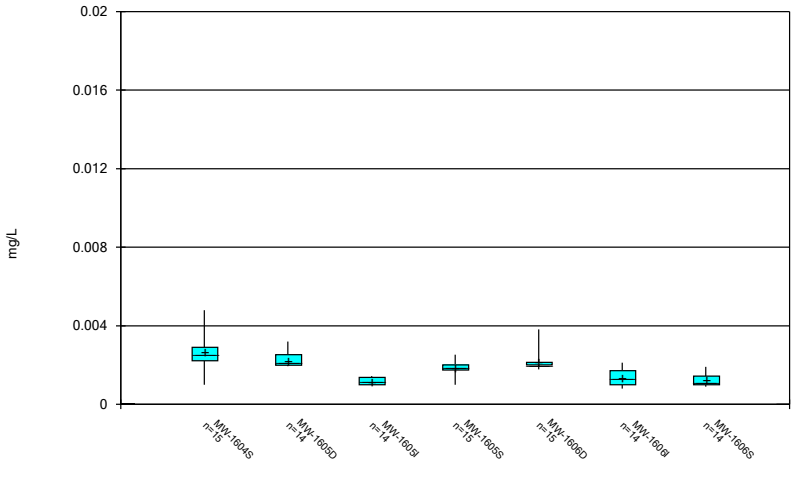

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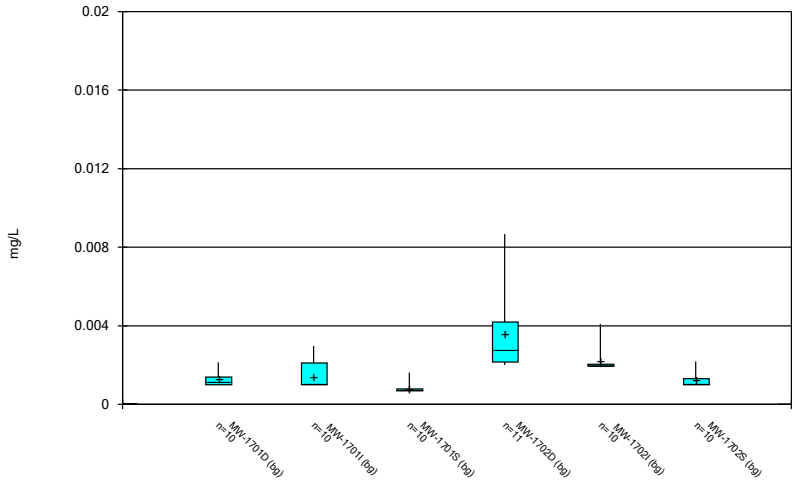

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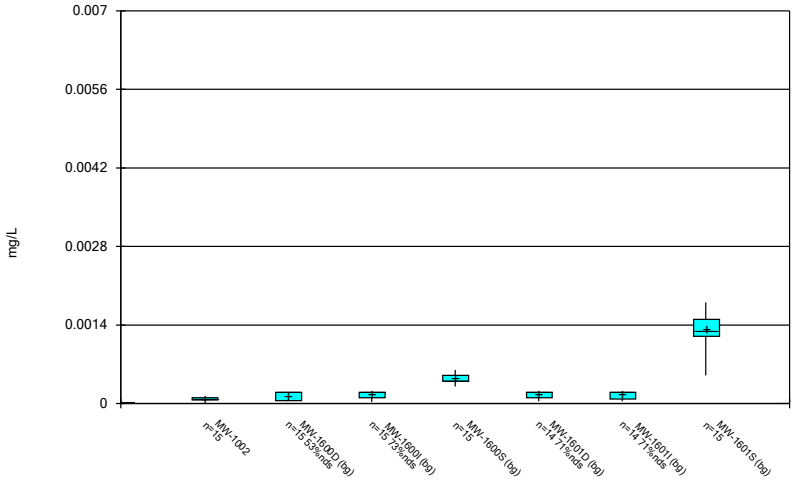
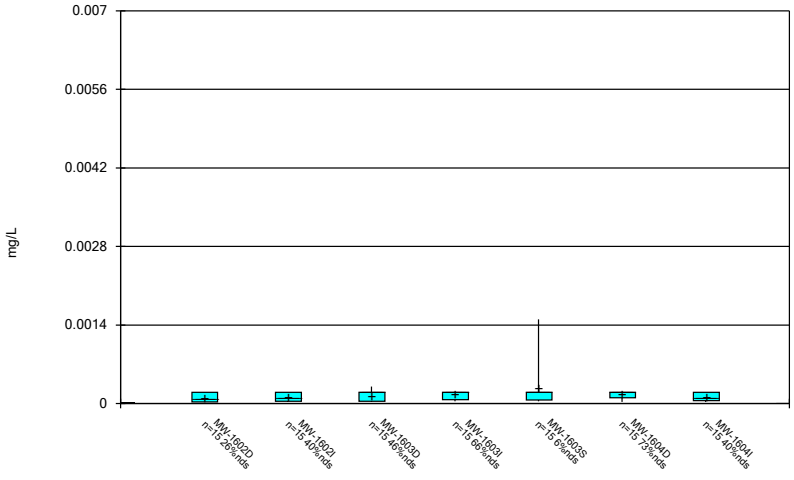
Box & Whiskers Plot



Constituent: Selenium, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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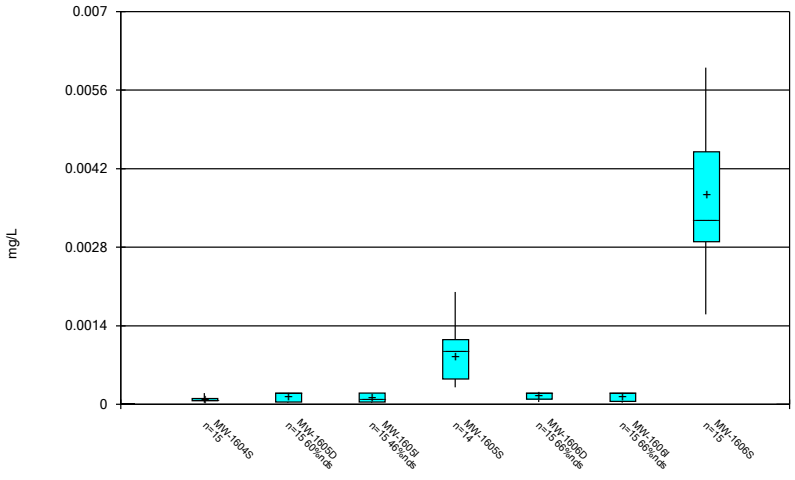
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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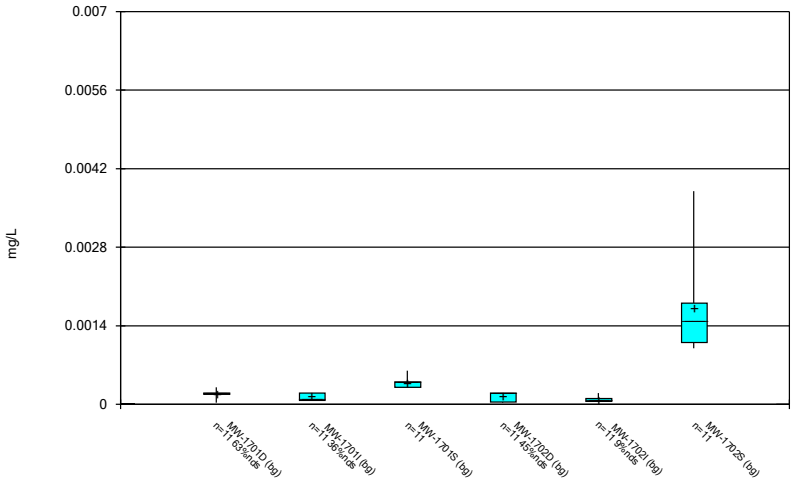
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



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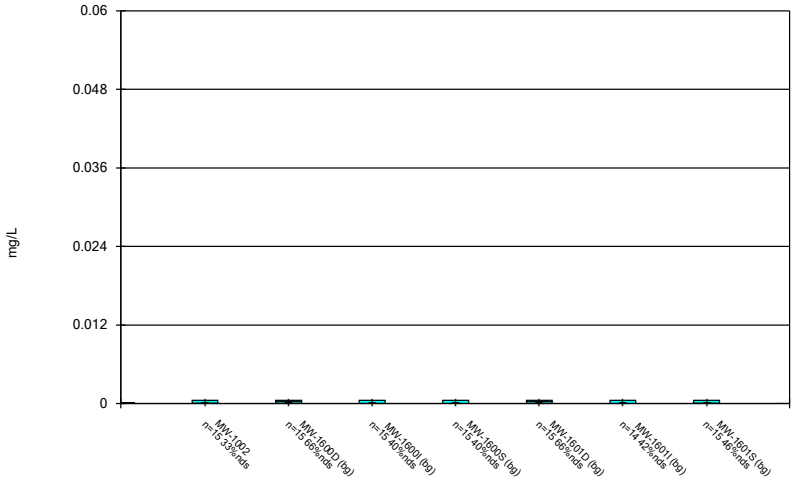
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Box & Whiskers Plot



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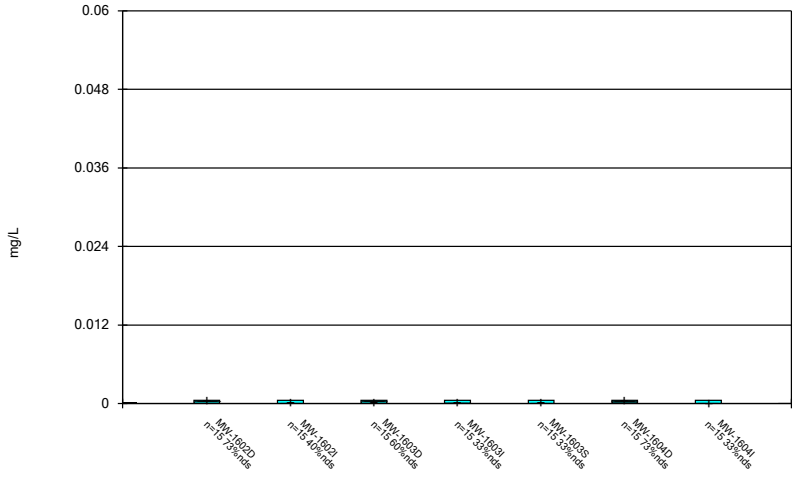
Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

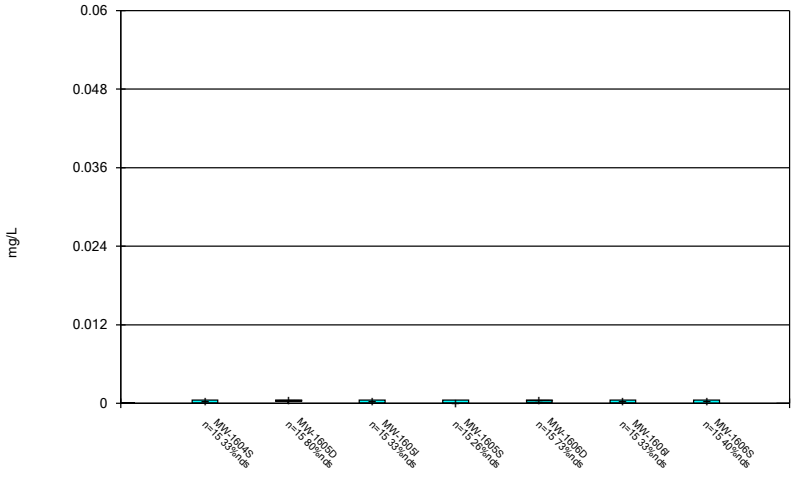
Box & Whiskers Plot



Constituent: Thallium, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

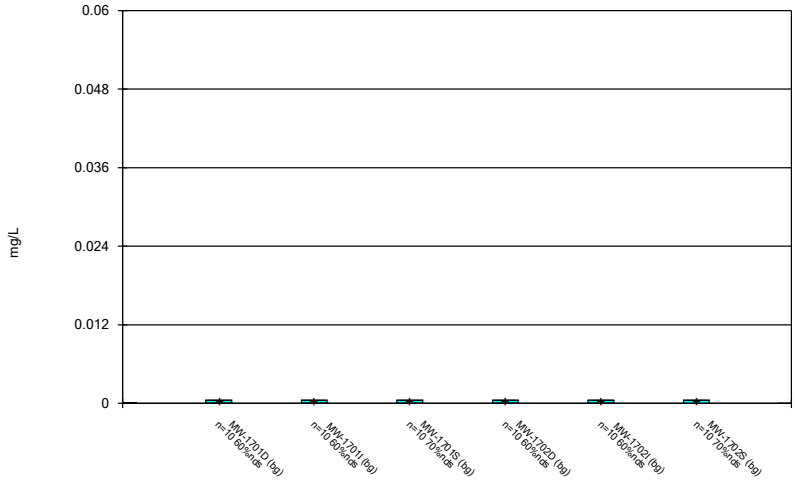
Box & Whiskers Plot



Constituent: Thallium, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium, total Analysis Run 7/8/2020 4:51 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

FIGURE C.

Outlier Summary

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:52 PM

	MW-1604I Antimony, total (mg/L)	MW-1702I Antimony, total (mg/L)	MW-1605S Arsenic, total (mg/L)	MW-1603D Chromium, total (mg/L)	MW-1702S Chromium, total (mg/L)	MW-1601D Cobalt, total (mg/L)	MW-1606D Cobalt, total (mg/L)	MW-1600I Combined Radium 226 + 228 (pCi/L)	MW-1602D Combined Radium 226 + 228 (pCi/L)	MW-1606I Combined Radium 226 + 228 (pCi/L)
6/7/2016						0.000508 (o)				
6/8/2016							7.25 (o)			
6/27/2016					0.00136 (o)					
7/20/2016										
10/10/2016				0.0238 (o)						
11/15/2016								4.204 (o)		
1/10/2017									4.283 (o)	
3/7/2017										
7/18/2017	0.00024 (o)									
12/12/2017					0.00413 (o)					
2/9/2018										
8/15/2018										
9/25/2018		0.00044 (o)								
5/24/2019			0.00284 (o)							
6/25/2019										
6/27/2019			0.00244 (o)							

	MW-1603D Lead, total (mg/L)	MW-1604S Lead, total (mg/L)	MW-1606S Lead, total (mg/L)	MW-1701D Lead, total (mg/L)	MW-1605D Molybdenum, total (mg/L)	MW-1605I Molybdenum, total (mg/L)	MW-1606I Molybdenum, total (mg/L)	MW-1606S Molybdenum, total (mg/L)	MW-1701D Molybdenum, total (mg/L)	MW-1701I Molybdenum, total (mg/L)
6/7/2016				0.00765 (o)						
6/8/2016										
6/27/2016										
7/20/2016		0.000911 (o)								
10/10/2016	0.00138 (o)									
11/15/2016										
1/10/2017										
3/7/2017			0.00133 (o)							
7/18/2017										
12/12/2017				0.00154 (o)						
2/9/2018										
8/15/2018										
9/25/2018										
5/24/2019										
6/25/2019					<0.01 (o)	<0.01 (o)	<0.01 (o)	<0.01 (o)	<0.01 (o)	
6/27/2019										

Outlier Summary

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:52 PM

	MW-1701S Molybdenum, total (mg/L)	MW-1702I Molybdenum, total (mg/L)	MW-1702S Molybdenum, total (mg/L)	MW-1601D Selenium, total (mg/L)	MW-1605S Selenium, total (mg/L)	MW-1701D Thallium, total (mg/L)	MW-1701I Thallium, total (mg/L)	MW-1701S Thallium, total (mg/L)	MW-1702D Thallium, total (mg/L)	MW-1702I Thallium, total (mg/L)
6/7/2016										
6/8/2016										
6/27/2016										
7/20/2016										
10/10/2016										
11/15/2016										
1/10/2017										
3/7/2017										
7/18/2017										
12/12/2017						0.051 (o)	0.04 (o)	0.02 (o)	0.03 (o)	0.04 (o)
2/9/2018		0.0079 (o)								
8/15/2018					0.0054 (o)					
9/25/2018										
5/24/2019				3E-05 (J,o)						
6/25/2019	<0.01 (o)		<0.01 (o)							
6/27/2019										

	MW-1702S Thallium, total (mg/L)
6/7/2016	
6/8/2016	
6/27/2016	
7/20/2016	
10/10/2016	
11/15/2016	
1/10/2017	
3/7/2017	
7/18/2017	
12/12/2017	0.01 (o)
2/9/2018	
8/15/2018	
9/25/2018	
5/24/2019	
6/25/2019	
6/27/2019	

FIGURE D.

Tolerance Limit Summary Table

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:54 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, total (mg/L)	n/a	0.00029	n/a	n/a	n/a	n/a	154	n/a	n/a	26.62	n/a	n/a	0.0003711	NP Inter(normality)
Arsenic, total (mg/L)	n/a	0.0675	n/a	n/a	n/a	n/a	155	n/a	n/a	0	n/a	n/a	0.0003525	NP Inter(normality)
Barium, total (mg/L)	n/a	0.997	n/a	n/a	n/a	n/a	155	n/a	n/a	0	n/a	n/a	0.0003525	NP Inter(normality)
Beryllium, total (mg/L)	n/a	0.0001	n/a	n/a	n/a	n/a	155	n/a	n/a	76.77	n/a	n/a	0.0003525	NP Inter(NDs)
Cadmium, total (mg/L)	n/a	0.00028	n/a	n/a	n/a	n/a	155	n/a	n/a	36.77	n/a	n/a	0.0003525	NP Inter(normality)
Chromium, total (mg/L)	n/a	0.00158	n/a	n/a	n/a	n/a	154	n/a	n/a	2.597	n/a	n/a	0.0003711	NP Inter(normality)
Cobalt, total (mg/L)	n/a	0.00334	n/a	n/a	n/a	n/a	154	n/a	n/a	1.299	n/a	n/a	0.0003711	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	2.474	n/a	n/a	n/a	n/a	154	1.125	0.7235	0	None	No	0.05	Inter
Fluoride, total (mg/L)	n/a	0.7	n/a	n/a	n/a	n/a	155	n/a	n/a	0	n/a	n/a	0.0003525	NP Inter(normality)
Lead, total (mg/L)	n/a	0.00105	n/a	n/a	n/a	n/a	154	n/a	n/a	18.83	n/a	n/a	0.0003711	NP Inter(normality)
Lithium, total (mg/L)	n/a	0.038	n/a	n/a	n/a	n/a	155	n/a	n/a	14.19	n/a	n/a	0.0003525	NP Inter(normality)
Mercury, total (mg/L)	n/a	0.000005	n/a	n/a	n/a	n/a	131	n/a	n/a	89.31	n/a	n/a	0.001207	NP Inter(NDs)
Molybdenum, total (mg/L)	n/a	0.00867	n/a	n/a	n/a	n/a	150	n/a	n/a	0	n/a	n/a	0.0004556	NP Inter(normality)
Selenium, total (mg/L)	n/a	0.0038	n/a	n/a	n/a	n/a	154	n/a	n/a	36.36	n/a	n/a	0.0003711	NP Inter(normality)
Thallium, total (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	149	n/a	n/a	55.7	n/a	n/a	0.0004795	NP Inter(NDs)

FIGURE E.

ROCKPORT BAP GWPS				
Constituent Name	**MCL**	**CCR Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.00029	0.006
Arsenic, Total (mg/L)	0.01		0.0675	0.0675
Barium, Total (mg/L)	2		0.997	2
Beryllium, Total (mg/L)	0.004		0.0001	0.004
Cadmium, Total (mg/L)	0.005		0.00028	0.005
Chromium, Total (mg/L)	0.1		0.00158	0.1
Cobalt, Total (mg/L)		0.006	0.00334	0.006
Combined Radium, Total (pCi/L)	5		2.474	5
Fluoride, Total (mg/L)	4		0.7	4
Lead, Total (mg/L)		0.015	0.00105	0.015
Lithium, Total (mg/L)		0.04	0.038	0.04
Mercury, Total (mg/L)	0.002		0.000005	0.002
Molybdenum, Total (mg/L)		0.1	0.00867	0.1
Selenium, Total (mg/L)	0.05		0.0038	0.05
Thallium, Total (mg/L)	0.002		0.0005	0.002

**Grey cell indicates background is higher than MCL.*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residual*

**GWPS = Groundwater Protection Standard*

FIGURE F.

Confidence Intervals - All Results (No Significant)

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony, total (mg/L)	MW-1002	0.00006	0.00004	0.006	No	15	0.00005333	0.00001496	6.667	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1602D	0.0001	0.00001	0.006	No	15	0.000046	0.00004867	20	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1602I	0.00006378	0.00002612	0.006	No	15	0.00005067	0.00003712	6.667	None	ln(x)	0.01	Param.
Antimony, total (mg/L)	MW-1603D	0.0001	0.00001	0.006	No	15	0.000052	0.00004039	33.33	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1603I	0.00008	0.00002	0.006	No	15	0.000048	0.00002678	6.667	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1603S	0.00005592	0.00003597	0.006	No	15	0.00004733	0.00001792	6.667	None	ln(x)	0.01	Param.
Antimony, total (mg/L)	MW-1604D	0.0001	0.00001	0.006	No	15	0.00004867	0.00003907	33.33	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1604I	0.00004	0.00002	0.006	No	14	0.00003286	0.00002234	7.143	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1604S	0.00007	0.00005	0.006	No	15	0.00006133	0.00002295	0	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1605D	0.0001	0.00001	0.006	No	15	0.000042	0.0000384	26.67	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1605I	0.00006586	0.00003071	0.006	No	15	0.00005333	0.00003792	13.33	None	ln(x)	0.01	Param.
Antimony, total (mg/L)	MW-1605S	0.0001	0.00004	0.006	No	15	0.00005933	0.00003348	0	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1606D	0.0001	0.00001	0.006	No	15	0.00005467	0.0000398	40	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1606I	0.0001	0.00002	0.006	No	15	0.000046	0.0000346	26.67	None	No	0.01	NP (normality)
Antimony, total (mg/L)	MW-1606S	0.0000802	0.00004361	0.006	No	15	0.00006333	0.00002992	13.33	None	sqrt(x)	0.01	Param.
Arsenic, total (mg/L)	MW-1002	0.00029	0.00021	0.0675	No	15	0.0002533	0.0000623	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1602D	0.009418	0.008307	0.0675	No	15	0.008863	0.0008197	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1602I	0.02788	0.01943	0.0675	No	15	0.02365	0.006231	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1603D	0.01269	0.01115	0.0675	No	15	0.01192	0.001132	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1603I	0.013	0.0122	0.0675	No	15	0.01284	0.000806	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1603S	0.0002557	0.0001644	0.0675	No	15	0.0002127	0.00007096	0	None	sqrt(x)	0.01	Param.
Arsenic, total (mg/L)	MW-1604D	0.01866	0.01654	0.0675	No	15	0.01763	0.001609	0	None	ln(x)	0.01	Param.
Arsenic, total (mg/L)	MW-1604I	0.0207	0.0185	0.0675	No	15	0.01985	0.002058	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1604S	0.00041	0.00018	0.0675	No	15	0.0002927	0.0001542	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1605D	0.01973	0.01739	0.0675	No	15	0.01856	0.001731	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1605I	0.0257	0.0178	0.0675	No	15	0.02263	0.009264	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1605S	0.00061	0.00036	0.0675	No	13	0.0005423	0.0003286	0	None	No	0.01	NP (normality)
Arsenic, total (mg/L)	MW-1606D	0.01657	0.01389	0.0675	No	15	0.01523	0.001978	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1606I	0.007909	0.00476	0.0675	No	15	0.006335	0.002324	0	None	No	0.01	Param.
Arsenic, total (mg/L)	MW-1606S	0.00032	0.00019	0.0675	No	15	0.000262	0.0001168	0	None	No	0.01	NP (normality)
Barium, total (mg/L)	MW-1002	0.02255	0.0143	2	No	15	0.01877	0.00675	0	None	x^(1/3)	0.01	Param.
Barium, total (mg/L)	MW-1602D	0.4862	0.4139	2	No	15	0.4501	0.05338	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1602I	0.1327	0.1196	2	No	15	0.1261	0.009665	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1603D	0.1166	0.1089	2	No	15	0.1127	0.00565	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1603I	0.08702	0.08115	2	No	15	0.08409	0.004328	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1603S	0.01662	0.01166	2	No	15	0.01414	0.003656	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1604D	0.2535	0.233	2	No	15	0.2433	0.0151	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1604I	0.1299	0.1112	2	No	15	0.1206	0.0138	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1604S	0.0207	0.013	2	No	15	0.01858	0.008195	0	None	No	0.01	NP (normality)
Barium, total (mg/L)	MW-1605D	0.459	0.408	2	No	15	0.4335	0.03763	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1605I	0.1634	0.1449	2	No	15	0.1541	0.01361	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1605S	0.0119	0.00776	2	No	15	0.009405	0.002294	0	None	No	0.01	NP (normality)
Barium, total (mg/L)	MW-1606D	0.4372	0.3795	2	No	15	0.4083	0.04262	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1606I	0.06965	0.05253	2	No	15	0.06109	0.01263	0	None	No	0.01	Param.
Barium, total (mg/L)	MW-1606S	0.01398	0.01075	2	No	15	0.01236	0.002383	0	None	No	0.01	Param.
Beryllium, total (mg/L)	MW-1002	0.0001	0.00002	0.004	No	15	0.000082	0.00003741	80	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1602D	0.0001	0.000008	0.004	No	15	0.00006127	0.00004409	53.33	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1602I	0.0001	0.000006	0.004	No	15	0.0000698	0.00004433	66.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1603D	0.0001	0.000049	0.004	No	15	0.0000852	0.00003162	80	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1603I	0.0001	0.00002	0.004	No	15	0.00008867	0.00002997	86.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1603S	0.0001	0.00001	0.004	No	15	0.00007653	0.00004036	73.33	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1604D	0.0001	0.00002	0.004	No	15	0.00008827	0.00003111	86.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1604I	0.0001	0.00002	0.004	No	15	0.00008827	0.00003111	86.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1604S	0.0001	0.00002	0.004	No	15	0.0000794	0.00003722	73.33	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1605D	0.0001	0.00002	0.004	No	15	0.00008867	0.00002997	86.67	None	No	0.01	NP (NDs)

Confidence Intervals - All Results (No Significant)

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium, total (mg/L)	MW-1605I	0.0001	0.00002	0.004	No	15	0.00008187	0.0000377	80	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1605S	0.0001	0.00002	0.004	No	15	0.00007493	0.0000376	66.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1606D	0.0001	0.00001	0.004	No	15	0.00006627	0.00004329	60	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1606I	0.0001	0.00002	0.004	No	15	0.00008847	0.00003054	86.67	None	No	0.01	NP (NDs)
Beryllium, total (mg/L)	MW-1606S	0.0001	0.00001	0.004	No	15	0.00006487	0.0000448	60	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1002	0.00005	0.00002	0.005	No	15	0.00004133	0.0000327	0	None	No	0.01	NP (normality)
Cadmium, total (mg/L)	MW-1602D	0.00007	0.00002	0.005	No	15	0.00004267	0.0000171	66.67	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1602I	0.00005	0.000006	0.005	No	15	0.00002933	0.000021	46.67	None	No	0.01	NP (normality)
Cadmium, total (mg/L)	MW-1603D	0.00005	0.00001	0.005	No	15	0.0000384	0.00001775	66.67	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1603I	0.00005	0.00001	0.005	No	15	0.0000374	0.00001887	66.67	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1603S	0.00005	0.00001	0.005	No	15	0.00002667	0.00001291	6.667	None	No	0.01	NP (normality)
Cadmium, total (mg/L)	MW-1604D	0.00005	0.00002	0.005	No	15	0.00004233	0.00001611	80	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1604I	0.00012	0.00002	0.005	No	15	0.00004693	0.00002586	73.33	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1604S	0.00003	0.00001	0.005	No	15	0.00002467	0.00001885	0	None	No	0.01	NP (normality)
Cadmium, total (mg/L)	MW-1605D	0.00005	0.00002	0.005	No	15	0.00004507	0.00001329	86.67	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1605I	0.00005	0.000008	0.005	No	15	0.0000394	0.00001845	73.33	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1605S	0.00005	0.00003	0.005	No	15	0.00004267	0.00002154	0	None	No	0.01	NP (normality)
Cadmium, total (mg/L)	MW-1606D	0.00005	0.00002	0.005	No	15	0.00004313	0.0000145	80	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1606I	0.00005	0.00001	0.005	No	15	0.00003927	0.00001873	73.33	None	No	0.01	NP (NDs)
Cadmium, total (mg/L)	MW-1606S	0.00004019	0.00002085	0.005	No	15	0.00003133	0.00001506	0	None	sqrt(x)	0.01	Param.
Chromium, total (mg/L)	MW-1002	0.0002739	0.0000832	0.1	No	15	0.0002005	0.0001856	6.667	None	x^(1/3)	0.01	Param.
Chromium, total (mg/L)	MW-1602D	0.0005071	0.0001595	0.1	No	15	0.0003585	0.0003188	0	None	sqrt(x)	0.01	Param.
Chromium, total (mg/L)	MW-1602I	0.0002851	0.0001231	0.1	No	15	0.0002127	0.0001303	6.667	None	sqrt(x)	0.01	Param.
Chromium, total (mg/L)	MW-1603D	0.0002252	0.0001028	0.1	No	14	0.000164	0.00008635	0	None	No	0.01	Param.
Chromium, total (mg/L)	MW-1603I	0.000743	0.000081	0.1	No	15	0.0003331	0.0003347	0	None	No	0.01	NP (normality)
Chromium, total (mg/L)	MW-1603S	0.0003624	0.0001223	0.1	No	15	0.0002423	0.0001771	0	None	No	0.01	Param.
Chromium, total (mg/L)	MW-1604D	0.000174	0.00008091	0.1	No	15	0.0001275	0.0000687	0	None	No	0.01	Param.
Chromium, total (mg/L)	MW-1604I	0.0002147	0.00007866	0.1	No	15	0.0001737	0.0001565	0	None	ln(x)	0.01	Param.
Chromium, total (mg/L)	MW-1604S	0.0002909	0.0000981	0.1	No	15	0.0002325	0.0002066	0	None	ln(x)	0.01	Param.
Chromium, total (mg/L)	MW-1605D	0.0002923	0.0001165	0.1	No	15	0.0002147	0.0001502	0	None	sqrt(x)	0.01	Param.
Chromium, total (mg/L)	MW-1605I	0.000214	0.000091	0.1	No	15	0.0002006	0.000282	6.667	None	No	0.01	NP (normality)
Chromium, total (mg/L)	MW-1605S	0.0004714	0.0001333	0.1	No	15	0.000343	0.0003227	0	None	x^(1/3)	0.01	Param.
Chromium, total (mg/L)	MW-1606D	0.0002261	0.00007968	0.1	No	15	0.0001831	0.0001765	0	None	ln(x)	0.01	Param.
Chromium, total (mg/L)	MW-1606I	0.0001883	0.00007797	0.1	No	15	0.0001535	0.0001336	13.33	None	ln(x)	0.01	Param.
Chromium, total (mg/L)	MW-1606S	0.0004088	0.000126	0.1	No	15	0.0003438	0.0003916	6.667	None	ln(x)	0.01	Param.
Cobalt, total (mg/L)	MW-1002	0.000785	0.0005893	0.006	No	15	0.0006871	0.0001444	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1602D	0.0002388	0.00009299	0.006	No	15	0.0001967	0.0001986	0	None	ln(x)	0.01	Param.
Cobalt, total (mg/L)	MW-1602I	0.00175	0.00134	0.006	No	15	0.001507	0.0001905	0	None	No	0.01	NP (normality)
Cobalt, total (mg/L)	MW-1603D	0.0008287	0.0003682	0.006	No	15	0.0006687	0.0004959	0	None	ln(x)	0.01	Param.
Cobalt, total (mg/L)	MW-1603I	0.001385	0.001227	0.006	No	15	0.001306	0.0001164	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1603S	0.0005121	0.0001854	0.006	No	15	0.0003487	0.0002411	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1604D	0.000091	0.000051	0.006	No	15	0.00006947	0.00002371	0	None	No	0.01	NP (normality)
Cobalt, total (mg/L)	MW-1604I	0.000906	0.000751	0.006	No	15	0.0008285	0.0001144	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1604S	0.000548	0.000297	0.006	No	15	0.0004397	0.0002574	0	None	No	0.01	NP (normality)
Cobalt, total (mg/L)	MW-1605D	0.0001571	0.00008689	0.006	No	15	0.0001289	0.00006605	0	None	ln(x)	0.01	Param.
Cobalt, total (mg/L)	MW-1605I	0.00159	0.001328	0.006	No	15	0.001459	0.0001935	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1605S	0.001065	0.0002898	0.006	No	15	0.0008981	0.001074	0	None	ln(x)	0.01	Param.
Cobalt, total (mg/L)	MW-1606D	0.0001148	0.00006977	0.006	No	14	0.00009229	0.00003178	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1606I	0.001482	0.0009534	0.006	No	15	0.001218	0.0003901	0	None	No	0.01	Param.
Cobalt, total (mg/L)	MW-1606S	0.0002172	0.0000595	0.006	No	15	0.0001855	0.0002268	6.667	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1002	1.255	0.3842	5	No	15	0.884	0.7636	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1602D	1.555	0.8007	5	No	14	1.204	0.582	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1602I	1.159	0.7841	5	No	15	0.9713	0.2763	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1603D	1.226	0.7395	5	No	15	0.983	0.3593	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1603I	1.658	0.9169	5	No	15	1.315	0.5977	0	None	sqrt(x)	0.01	Param.

Confidence Intervals - All Results (No Significant)

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	MW-1603S	1.137	0.3715	5	No	15	0.838	0.7594	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1604D	1.144	0.5991	5	No	15	0.8942	0.4475	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1604I	1.292	0.7738	5	No	15	1.033	0.3824	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1604S	0.9921	0.4351	5	No	15	0.7136	0.411	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1605D	1.624	0.9123	5	No	15	1.268	0.5252	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1605I	2.011	1.395	5	No	15	1.703	0.4541	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1605S	0.9253	0.2088	5	No	15	0.6329	0.5827	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1606D	1.391	0.6554	5	No	15	1.023	0.5427	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1606I	1.143	0.7326	5	No	14	0.938	0.2899	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-1606S	1.096	0.2794	5	No	15	0.6877	0.6025	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1002	1.025	0.8324	4	No	15	0.9233	0.1453	0	None	x^2	0.01	Param.
Fluoride, total (mg/L)	MW-1602D	0.3405	0.3035	4	No	15	0.322	0.02731	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1602I	0.3024	0.2723	4	No	15	0.2873	0.02219	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1603D	0.307	0.2744	4	No	15	0.2907	0.02404	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1603I	0.4472	0.3982	4	No	15	0.4227	0.03615	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1603S	0.6097	0.4063	4	No	15	0.508	0.1501	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1604D	0.282	0.25	4	No	15	0.266	0.02354	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1604I	0.3581	0.3126	4	No	15	0.3353	0.03357	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1604S	1.05	0.83	4	No	15	0.9813	0.2153	0	None	No	0.01	NP (normality)
Fluoride, total (mg/L)	MW-1605D	0.225	0.191	4	No	15	0.208	0.02513	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1605I	0.2167	0.1761	4	No	15	0.1947	0.03399	0	None	x^2	0.01	Param.
Fluoride, total (mg/L)	MW-1605S	0.5837	0.5043	4	No	15	0.544	0.05853	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1606D	0.1999	0.1734	4	No	15	0.1867	0.01952	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1606I	0.2041	0.1799	4	No	15	0.192	0.01781	0	None	No	0.01	Param.
Fluoride, total (mg/L)	MW-1606S	0.5069	0.3945	4	No	15	0.4507	0.08293	0	None	No	0.01	Param.
Lead, total (mg/L)	MW-1002	0.0002	0.00002	0.015	No	15	0.0000816	0.00008198	26.67	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1602D	0.0002128	0.00003227	0.015	No	15	0.0001577	0.0002262	13.33	None	x^(1/3)	0.01	Param.
Lead, total (mg/L)	MW-1602I	0.0002299	0.00007641	0.015	No	15	0.0001531	0.0001132	13.33	None	No	0.01	Param.
Lead, total (mg/L)	MW-1603D	0.00005891	0.00001244	0.015	No	14	0.00008171	0.00008131	21.43	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead, total (mg/L)	MW-1603I	0.0001815	0.00003369	0.015	No	15	0.0001355	0.0001128	20	Kaplan-Meier	No	0.01	Param.
Lead, total (mg/L)	MW-1603S	0.0001469	0.00003586	0.015	No	15	0.0001335	0.00009219	33.33	Kaplan-Meier	No	0.01	Param.
Lead, total (mg/L)	MW-1604D	0.00004656	0.00001349	0.015	No	15	0.00006887	0.00007181	20	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead, total (mg/L)	MW-1604I	0.0002	0.00001	0.015	No	15	0.00008613	0.00008588	33.33	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1604S	0.0000962	0.0000231	0.015	No	14	0.00009871	0.00009349	21.43	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead, total (mg/L)	MW-1605D	0.0002	0.000009	0.015	No	15	0.0001045	0.0000938	33.33	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1605I	0.000156	0.00006652	0.015	No	15	0.0001113	0.00006603	13.33	None	No	0.01	Param.
Lead, total (mg/L)	MW-1605S	0.00092	0.000021	0.015	No	15	0.0003527	0.0006126	0	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1606D	0.0002	0.00001	0.015	No	15	0.0001061	0.00008803	26.67	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1606I	0.0002	0.000026	0.015	No	15	0.0001101	0.0000836	33.33	None	No	0.01	NP (normality)
Lead, total (mg/L)	MW-1606S	0.0001819	0.00001209	0.015	No	14	0.0001501	0.000122	35.71	Kaplan-Meier	No	0.01	Param.
Lithium, total (mg/L)	MW-1002	0.009131	0.003639	0.04	No	15	0.008453	0.005032	20	Kaplan-Meier	No	0.01	Param.
Lithium, total (mg/L)	MW-1602D	0.009824	0.003022	0.04	No	15	0.006926	0.005804	6.667	None	sqrt(x)	0.01	Param.
Lithium, total (mg/L)	MW-1602I	0.01064	0.004908	0.04	No	15	0.007772	0.004227	6.667	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1603D	0.01041	0.005037	0.04	No	15	0.007722	0.003963	13.33	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1603I	0.01074	0.005925	0.04	No	15	0.01042	0.003926	20	Kaplan-Meier	No	0.01	Param.
Lithium, total (mg/L)	MW-1603S	0.015	0.002	0.04	No	15	0.008012	0.005254	20	None	No	0.01	NP (normality)
Lithium, total (mg/L)	MW-1604D	0.015	0.00157	0.04	No	15	0.007024	0.00564	26.67	None	No	0.01	NP (normality)
Lithium, total (mg/L)	MW-1604I	0.01157	0.006508	0.04	No	15	0.009041	0.003738	6.667	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1604S	0.01367	0.0091	0.04	No	15	0.01138	0.003368	6.667	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1605D	0.007514	0.002922	0.04	No	15	0.005623	0.00416	13.33	None	x^(1/3)	0.01	Param.
Lithium, total (mg/L)	MW-1605I	0.009905	0.005439	0.04	No	15	0.007843	0.00354	0	None	sqrt(x)	0.01	Param.
Lithium, total (mg/L)	MW-1605S	0.01706	0.01227	0.04	No	15	0.01467	0.003538	6.667	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1606D	0.004675	0.00118	0.04	No	15	0.005795	0.005348	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Lithium, total (mg/L)	MW-1606I	0.009697	0.005075	0.04	No	15	0.007386	0.003411	6.667	None	No	0.01	Param.
Lithium, total (mg/L)	MW-1606S	0.01285	0.008966	0.04	No	15	0.01091	0.002862	6.667	None	No	0.01	Param.

Confidence Intervals - All Results (No Significant)

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury, total (mg/L)	MW-1002	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1602D	0.000005	0.000003	0.002	No	14	0.000004857	5.3e-7	85.71	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1602I	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1603D	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1603I	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1603S	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1604D	0.000005	0.000002	0.002	No	14	0.000004786	8.0e-7	85.71	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1604I	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1604S	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1605D	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1605I	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1605S	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1606D	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1606I	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Mercury, total (mg/L)	MW-1606S	0.000005	0.000005	0.002	No	14	0.000005	3.4e-14	92.86	None	No	0.01	NP (NDs)
Molybdenum, total (mg/L)	MW-1002	0.00965	0.00254	0.1	No	15	0.005559	0.003284	0	None	No	0.01	NP (normality)
Molybdenum, total (mg/L)	MW-1602D	0.00385	0.003283	0.1	No	15	0.003572	0.0004307	0	None	sqrt(x)	0.01	Param.
Molybdenum, total (mg/L)	MW-1602I	0.00242	0.002	0.1	No	15	0.002195	0.0002207	0	None	No	0.01	NP (normality)
Molybdenum, total (mg/L)	MW-1603D	0.005516	0.004199	0.1	No	15	0.004881	0.001009	0	None	sqrt(x)	0.01	Param.
Molybdenum, total (mg/L)	MW-1603I	0.008967	0.006883	0.1	No	15	0.007925	0.001538	0	None	No	0.01	Param.
Molybdenum, total (mg/L)	MW-1603S	0.001067	0.0002958	0.1	No	15	0.000844	0.0006937	20	Kaplan-Meier	sqrt(x)	0.01	Param.
Molybdenum, total (mg/L)	MW-1604D	0.003194	0.002551	0.1	No	15	0.002873	0.0004747	0	None	No	0.01	Param.
Molybdenum, total (mg/L)	MW-1604I	0.002821	0.002408	0.1	No	15	0.002615	0.0003046	0	None	No	0.01	Param.
Molybdenum, total (mg/L)	MW-1604S	0.003251	0.001997	0.1	No	15	0.002677	0.000969	0	None	x^(1/3)	0.01	Param.
Molybdenum, total (mg/L)	MW-1605D	0.0026	0.00198	0.1	No	14	0.002248	0.0003655	0	None	No	0.01	NP (normality)
Molybdenum, total (mg/L)	MW-1605I	0.001283	0.001054	0.1	No	14	0.001171	0.0001636	0	None	sqrt(x)	0.01	Param.
Molybdenum, total (mg/L)	MW-1605S	0.002101	0.001591	0.1	No	15	0.001846	0.0003764	0	None	No	0.01	Param.
Molybdenum, total (mg/L)	MW-1606D	0.00221	0.00185	0.1	No	15	0.002145	0.0004936	0	None	No	0.01	NP (normality)
Molybdenum, total (mg/L)	MW-1606I	0.001633	0.001073	0.1	No	14	0.001353	0.0003956	0	None	No	0.01	Param.
Molybdenum, total (mg/L)	MW-1606S	0.00156	0.0009	0.1	No	14	0.001221	0.0003366	0	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1002	0.0000902	0.00006618	0.05	No	15	0.00007867	0.00001767	0	None	sqrt(x)	0.01	Param.
Selenium, total (mg/L)	MW-1602D	0.0002	0.00003	0.05	No	15	0.000102	0.00007466	26.67	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1602I	0.0002	0.00004	0.05	No	15	0.0001147	0.00007501	40	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1603D	0.0003	0.00004	0.05	No	15	0.000138	0.00008825	46.67	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1603I	0.0002	0.00007	0.05	No	15	0.0001553	0.00006653	66.67	None	No	0.01	NP (NDs)
Selenium, total (mg/L)	MW-1603S	0.0002999	0.00007562	0.05	No	15	0.0002653	0.000379	6.667	None	ln(x)	0.01	Param.
Selenium, total (mg/L)	MW-1604D	0.0002	0.00006	0.05	No	15	0.000162	0.00006678	73.33	None	No	0.01	NP (NDs)
Selenium, total (mg/L)	MW-1604I	0.0002	0.00005	0.05	No	15	0.00012	0.00007101	40	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1604S	0.0001203	0.00005716	0.05	No	15	0.000096	0.00005717	0	None	ln(x)	0.01	Param.
Selenium, total (mg/L)	MW-1605D	0.0002	0.00004	0.05	No	15	0.0001393	0.00007851	60	None	No	0.01	NP (NDs)
Selenium, total (mg/L)	MW-1605I	0.0002	0.00004	0.05	No	15	0.0001213	0.00007791	46.67	None	No	0.01	NP (normality)
Selenium, total (mg/L)	MW-1605S	0.001208	0.0005352	0.05	No	14	0.0008714	0.0004746	0	None	No	0.01	Param.
Selenium, total (mg/L)	MW-1606D	0.0002	0.00006	0.05	No	15	0.000156	0.00006588	66.67	None	No	0.01	NP (NDs)
Selenium, total (mg/L)	MW-1606I	0.0002	0.00005	0.05	No	15	0.0001507	0.00007382	66.67	None	No	0.01	NP (NDs)
Selenium, total (mg/L)	MW-1606S	0.00456	0.00296	0.05	No	15	0.00376	0.00118	0	None	No	0.01	Param.
Thallium, total (mg/L)	MW-1002	0.0005	0.00002	0.002	No	15	0.0001887	0.000228	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1602D	0.0005	0.00005	0.002	No	15	0.0003771	0.0002113	73.33	None	No	0.01	NP (NDs)
Thallium, total (mg/L)	MW-1602I	0.0005	0.00002	0.002	No	15	0.000216	0.0002402	40	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1603D	0.0005	0.00003	0.002	No	15	0.0003152	0.0002345	60	None	No	0.01	NP (NDs)
Thallium, total (mg/L)	MW-1603I	0.0005	0.00003	0.002	No	15	0.0001913	0.0002261	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1603S	0.0005	0.00002	0.002	No	15	0.000191	0.0002269	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1604D	0.0005	0.00005	0.002	No	15	0.0003783	0.0002096	73.33	None	No	0.01	NP (NDs)
Thallium, total (mg/L)	MW-1604I	0.0005	0.00001	0.002	No	15	0.0001867	0.00023	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1604S	0.0005	0.00002	0.002	No	15	0.0001942	0.0002246	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1605D	0.0005	0.00005	0.002	No	15	0.000406	0.0001947	80	None	No	0.01	NP (NDs)

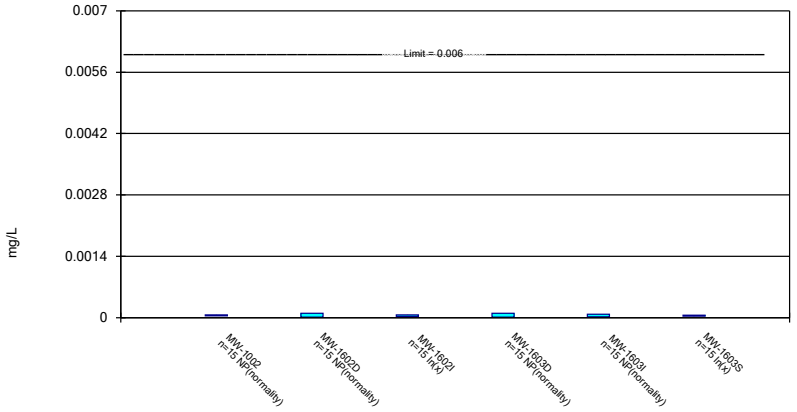
Confidence Intervals - All Results (No Significant)

Rockport BAP Client: Geosyntec Data: Rockport_BAP Printed 7/8/2020, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium, total (mg/L)	MW-1605I	0.0005	0.00002	0.002	No	15	0.0001982	0.0002243	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1605S	0.0005	0.00002	0.002	No	15	0.0001627	0.0002115	26.67	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1606D	0.0005	0.00005	0.002	No	15	0.0003816	0.0002044	73.33	None	No	0.01	NP (NDs)
Thallium, total (mg/L)	MW-1606I	0.0005	0.00003	0.002	No	15	0.0001962	0.0002227	33.33	None	No	0.01	NP (normality)
Thallium, total (mg/L)	MW-1606S	0.0005	0.00002	0.002	No	15	0.0002179	0.000239	40	None	No	0.01	NP (normality)

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



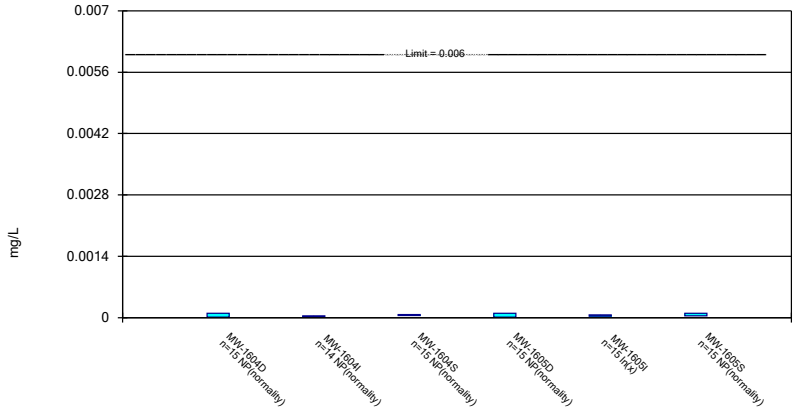
Constituent: Antimony, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV

Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



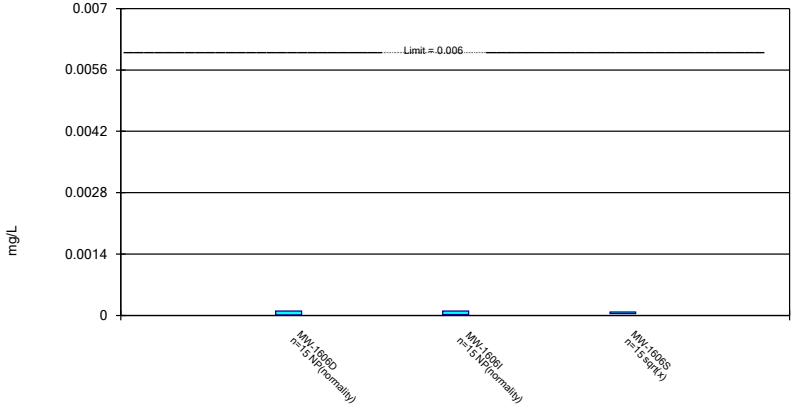
Constituent: Antimony, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV

Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



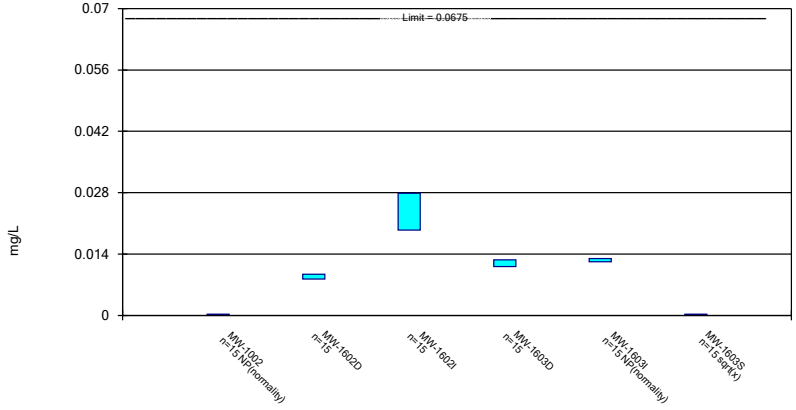
Constituent: Antimony, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV

Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

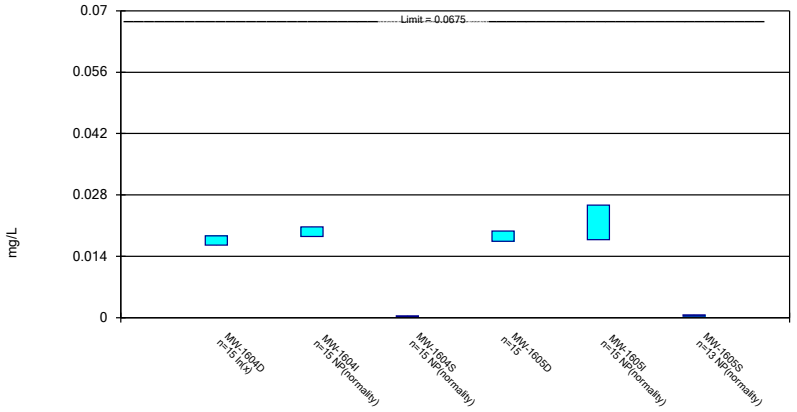


Constituent: Arsenic, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV

Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

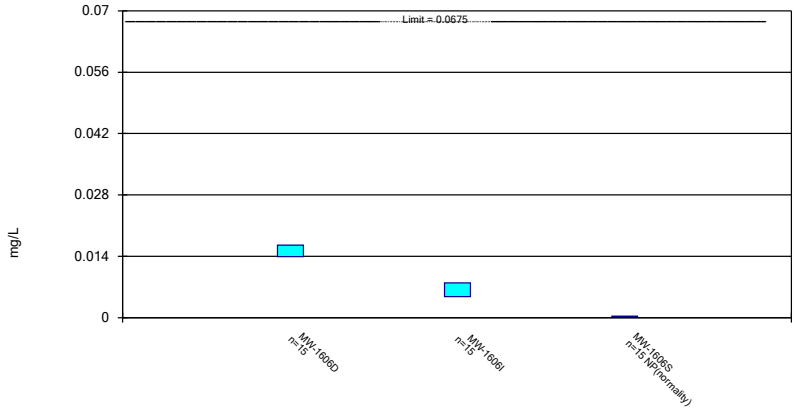


Constituent: Arsenic, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

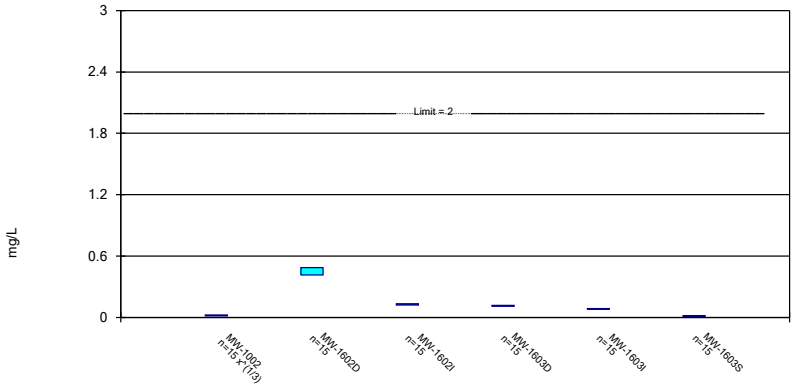


Constituent: Arsenic, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

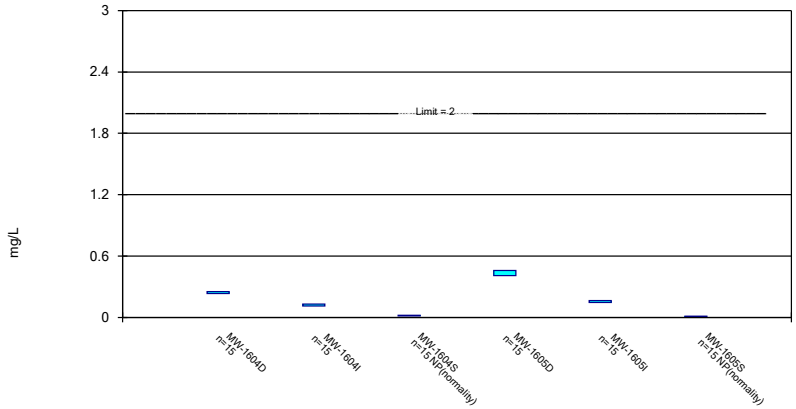


Constituent: Barium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

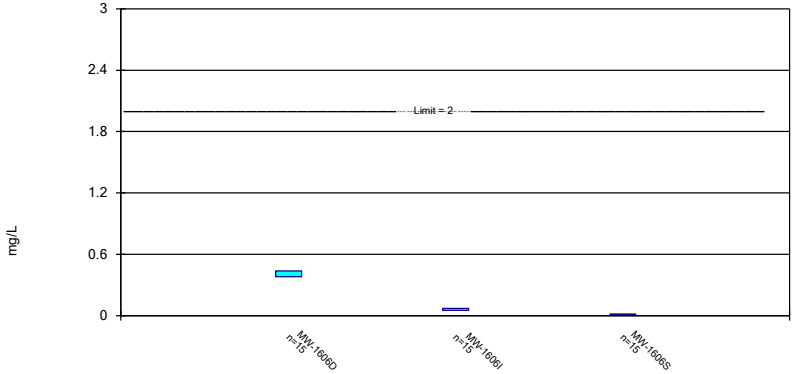
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric Confidence Interval

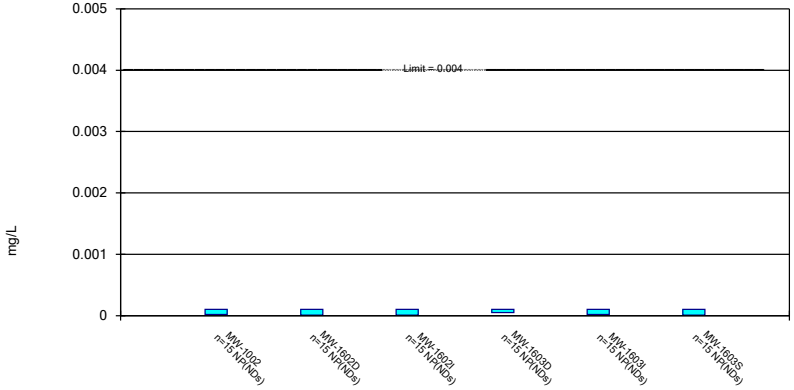
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Non-Parametric Confidence Interval

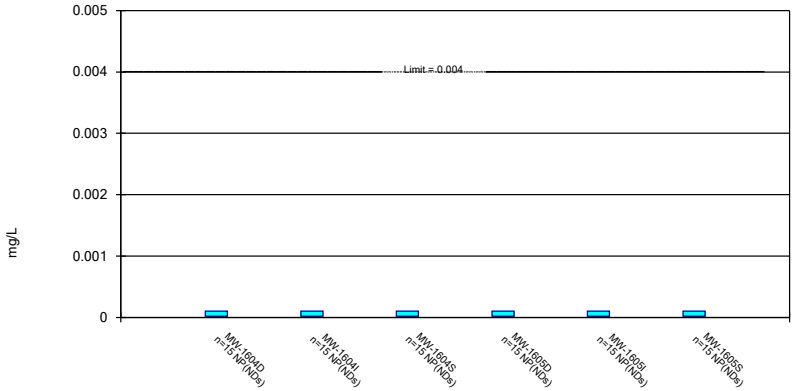
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Non-Parametric Confidence Interval

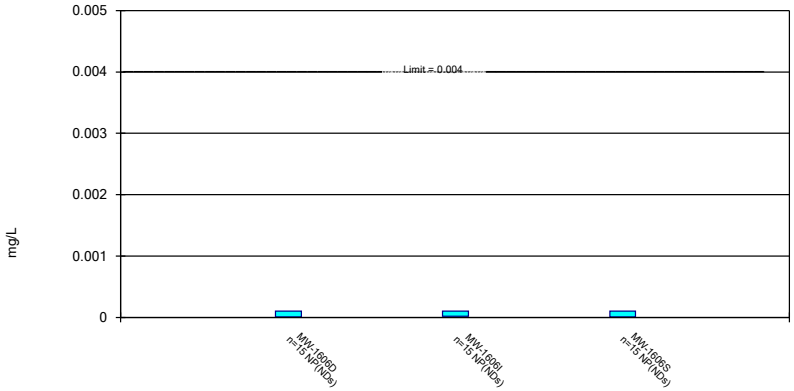
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Non-Parametric Confidence Interval

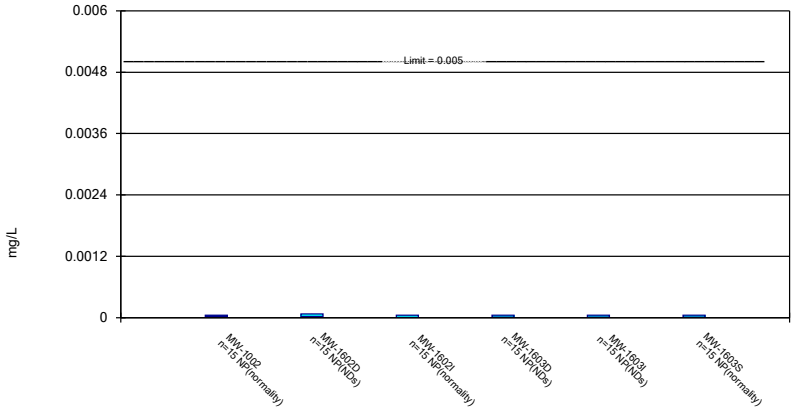
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

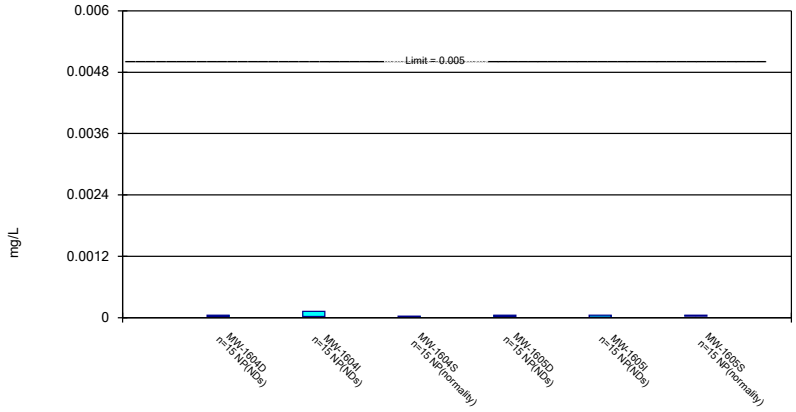


Constituent: Cadmium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

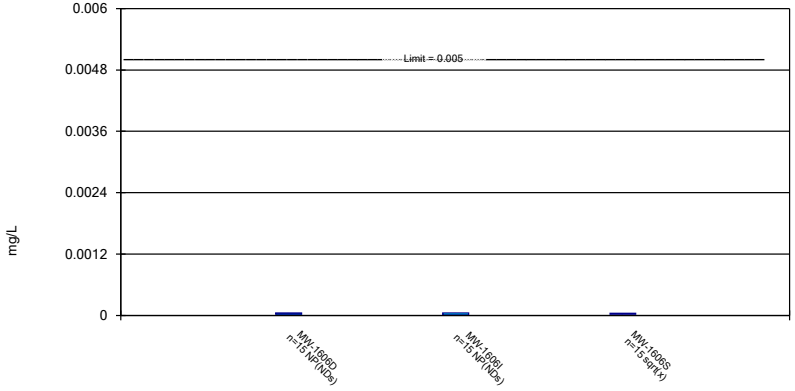


Constituent: Cadmium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

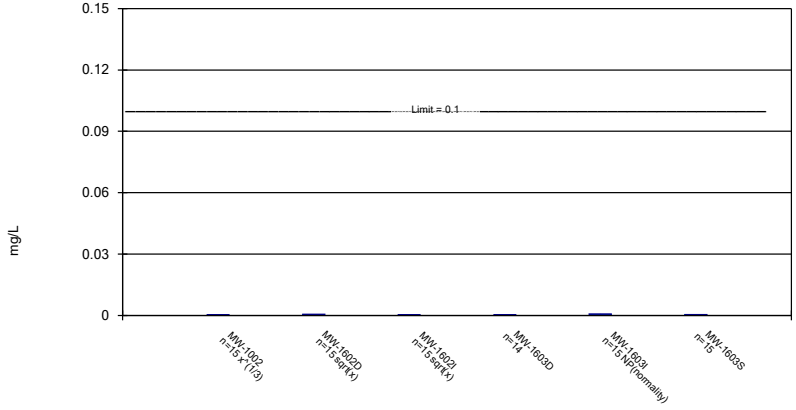


Constituent: Cadmium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

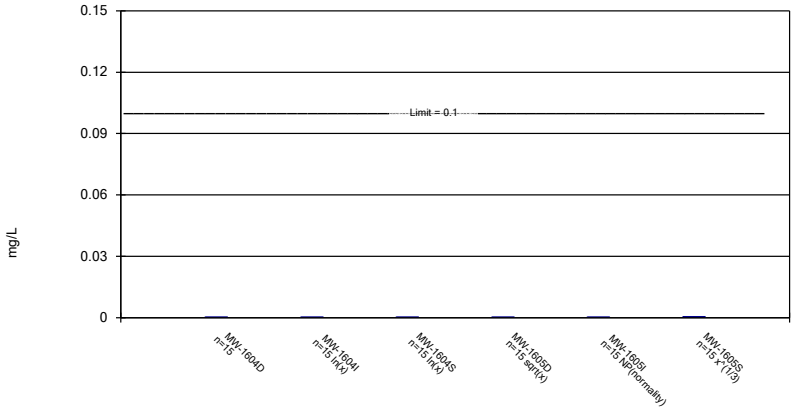
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Chromium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

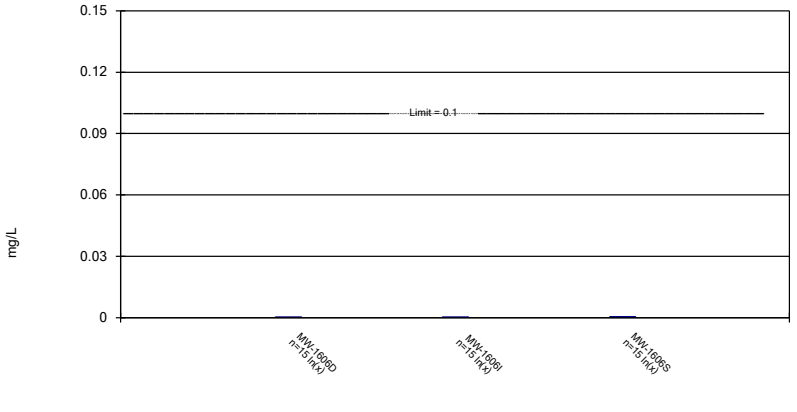


Constituent: Chromium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

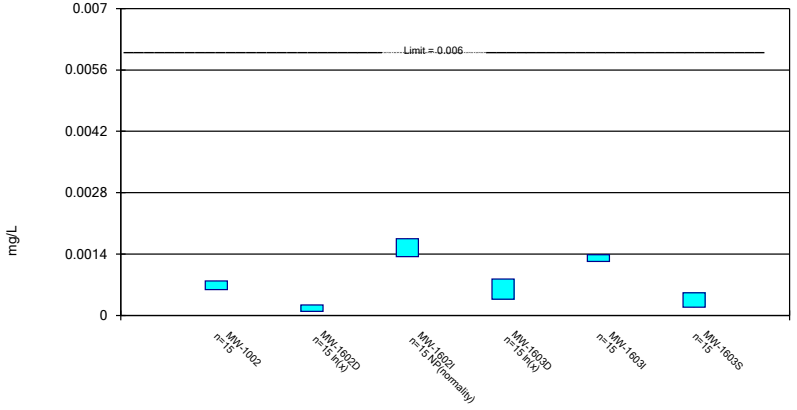


Constituent: Chromium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

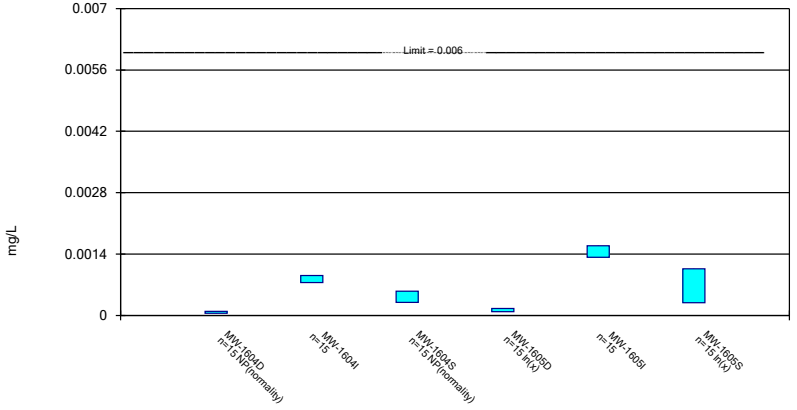


Constituent: Cobalt, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

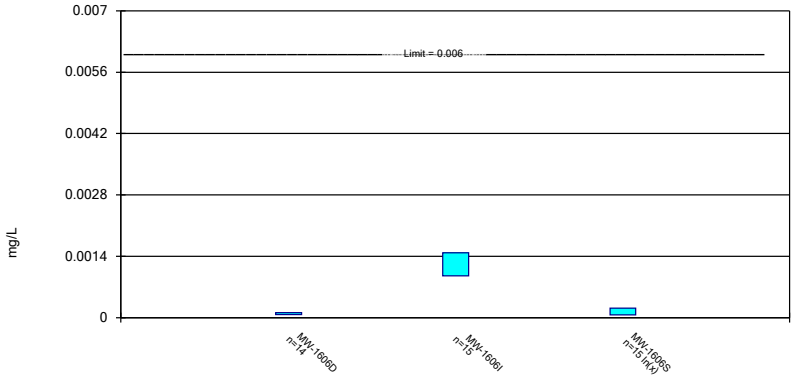
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric Confidence Interval

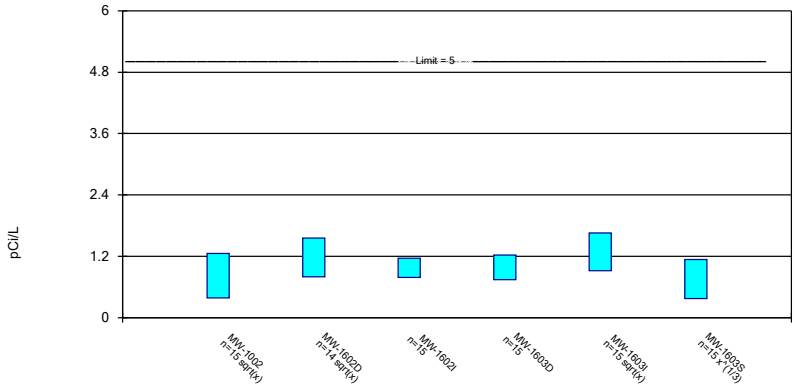
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric Confidence Interval

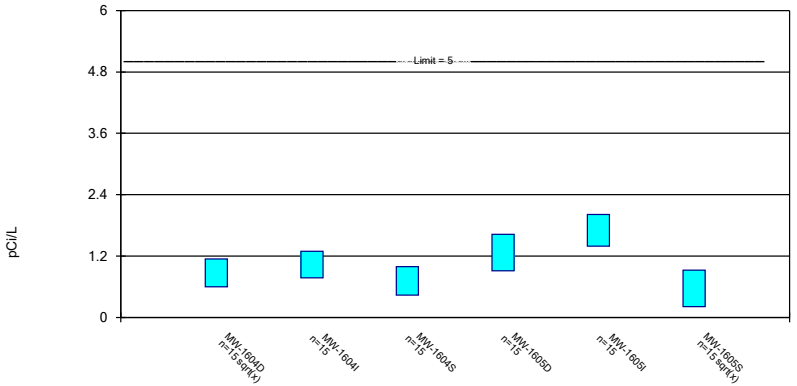
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric Confidence Interval

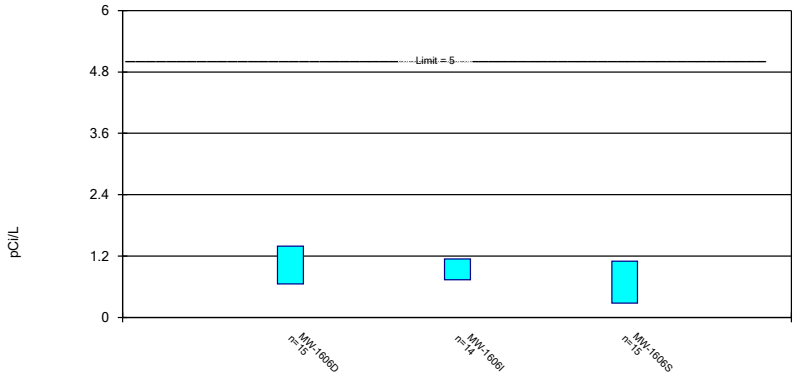
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric Confidence Interval

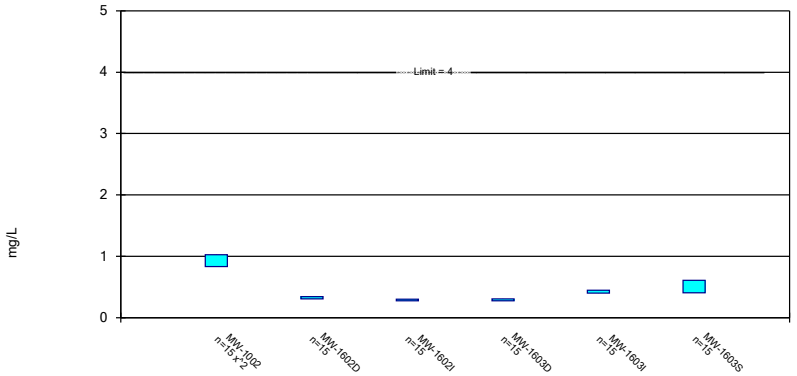
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric Confidence Interval

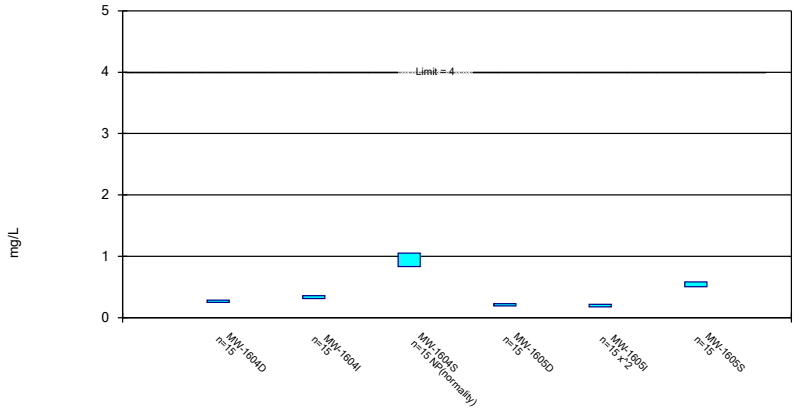
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric and Non-Parametric (NP) Confidence Interval

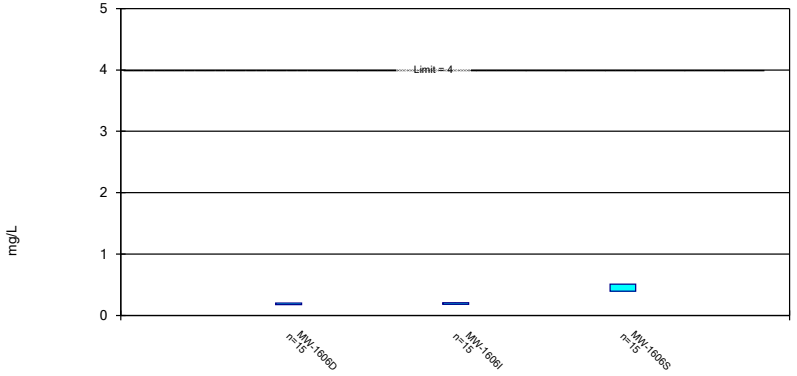
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric Confidence Interval

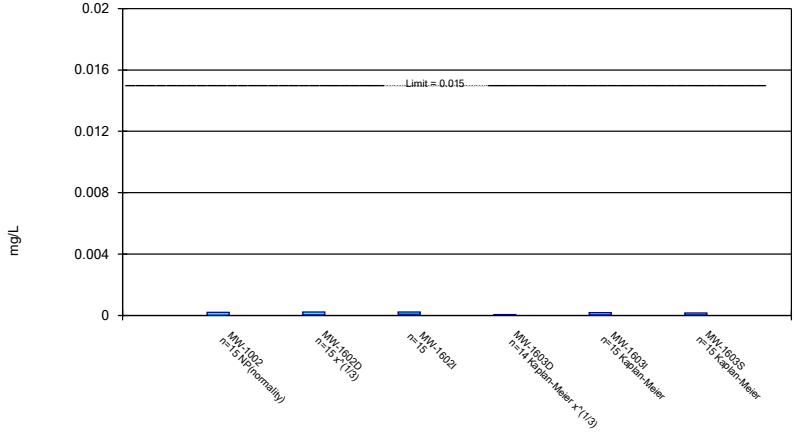
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric and Non-Parametric (NP) Confidence Interval

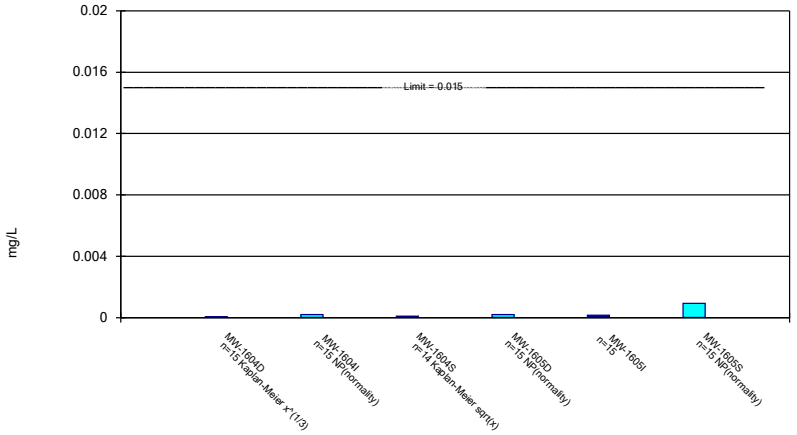
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



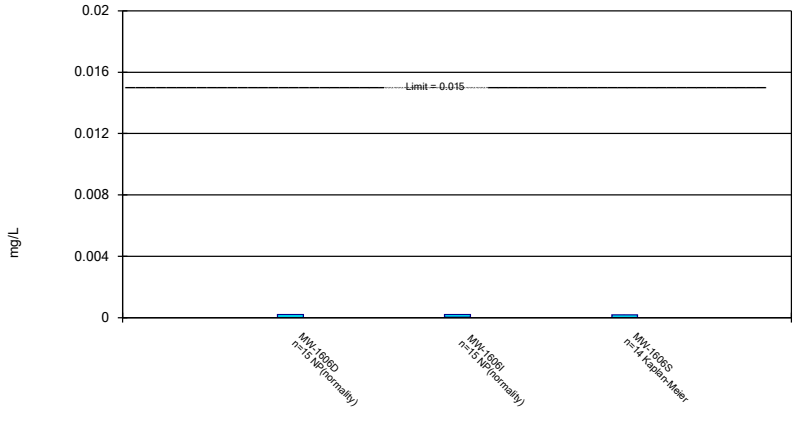
Constituent: Lead, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV

Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



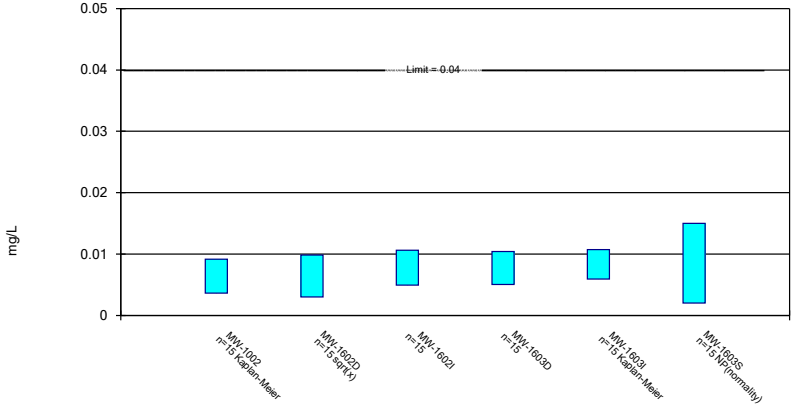
Constituent: Lead, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV

Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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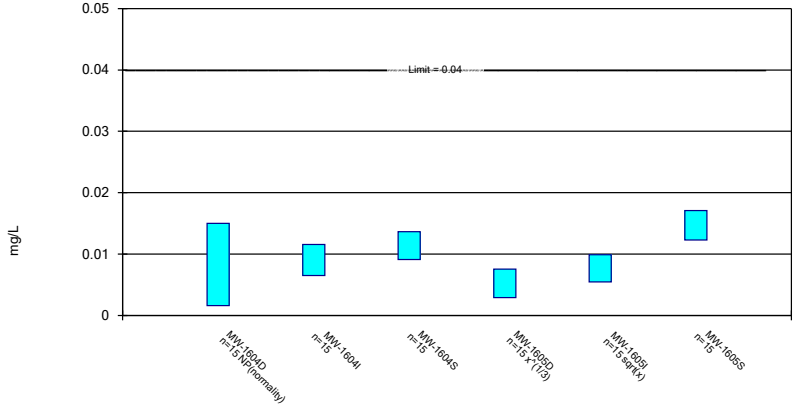
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV

Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric Confidence Interval

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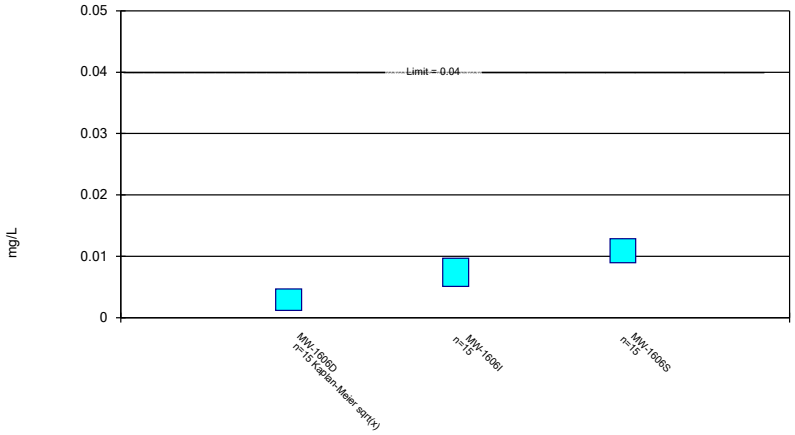

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Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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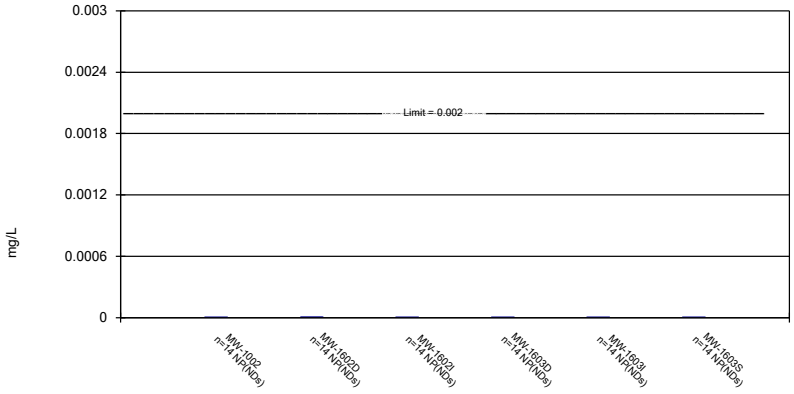

Constituent: Mercury, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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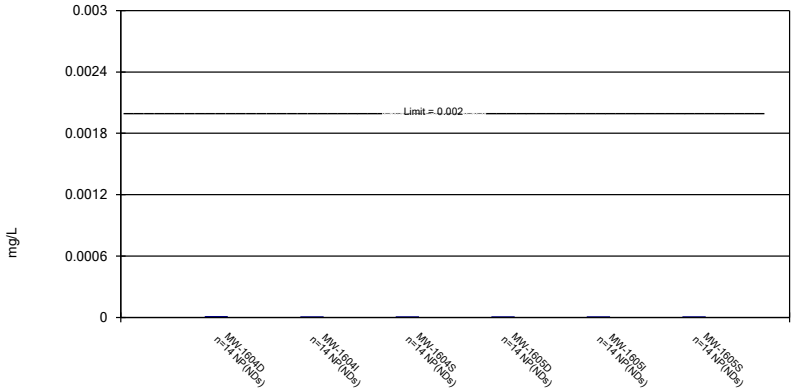

Constituent: Mercury, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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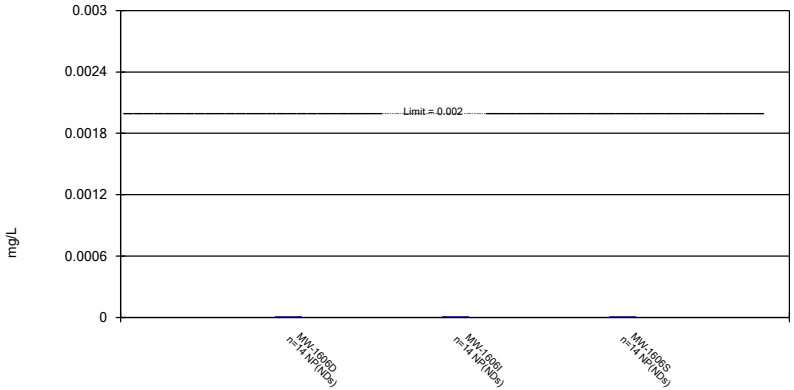
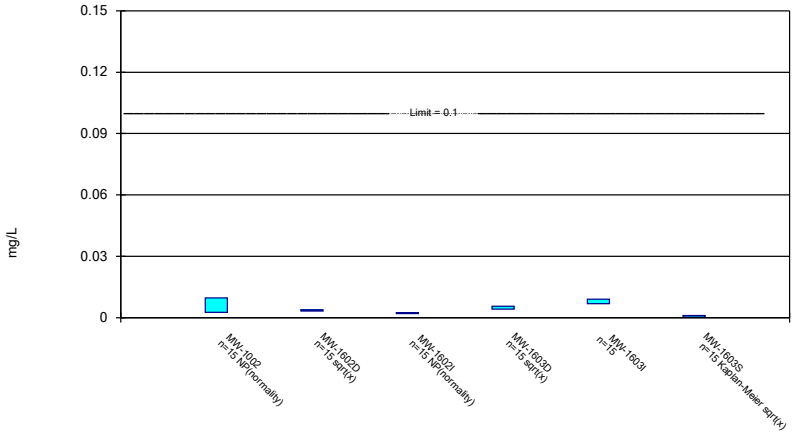


Constituent: Mercury, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

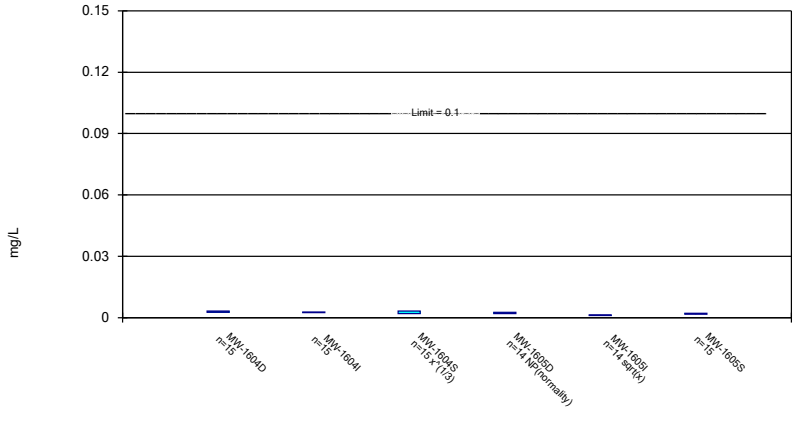


Constituent: Molybdenum, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

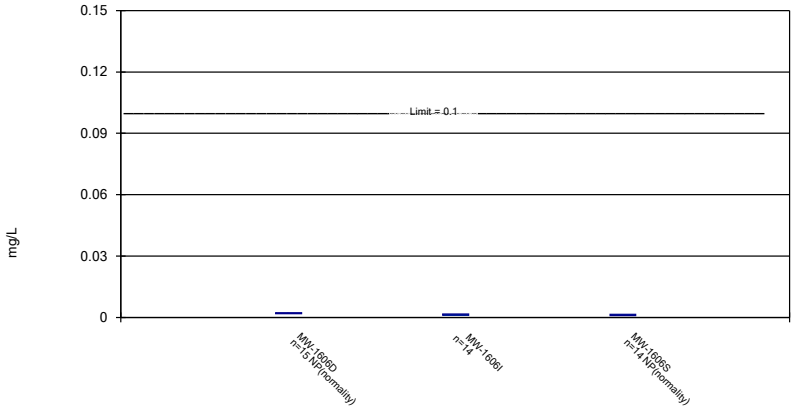


Constituent: Molybdenum, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

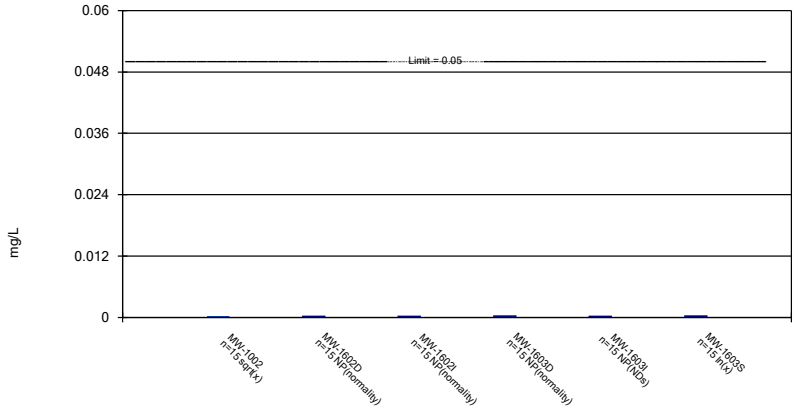


Constituent: Molybdenum, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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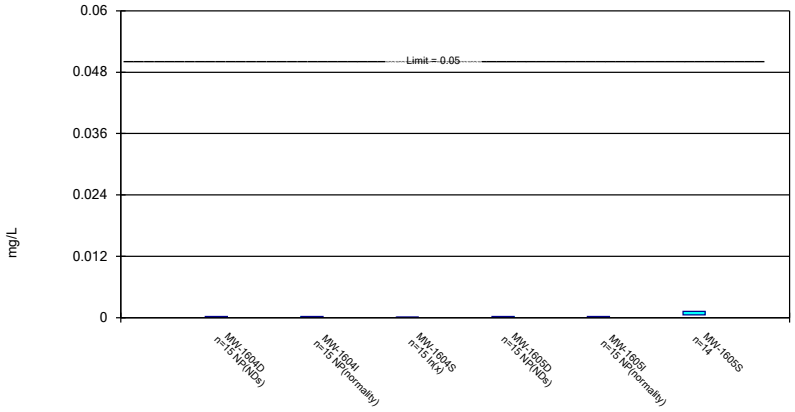
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

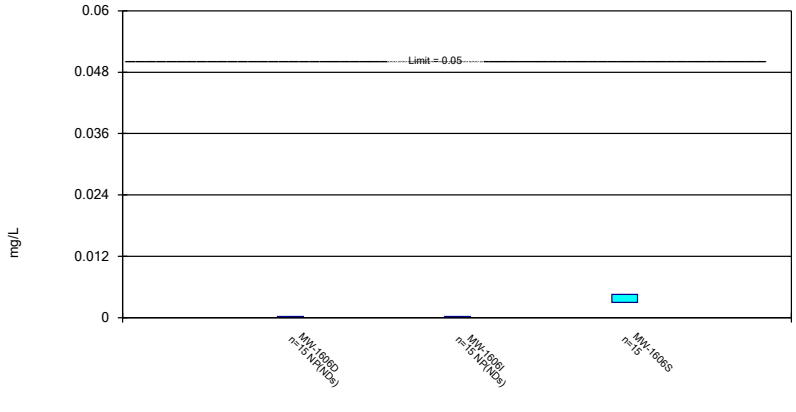


Constituent: Selenium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

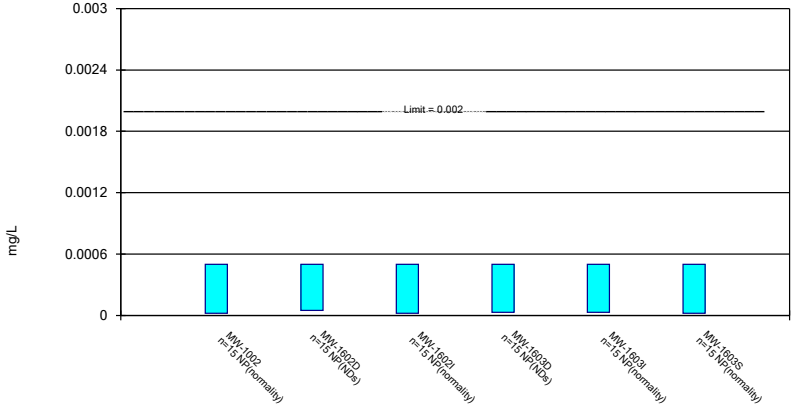


Constituent: Selenium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

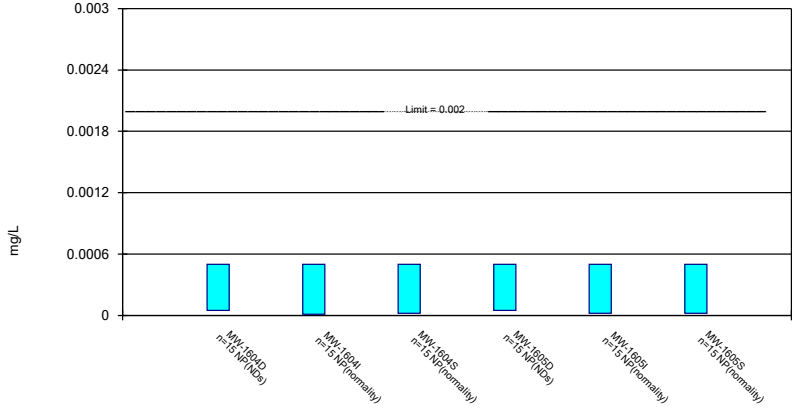


Constituent: Thallium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Sanitas™ v.9.6.26d Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

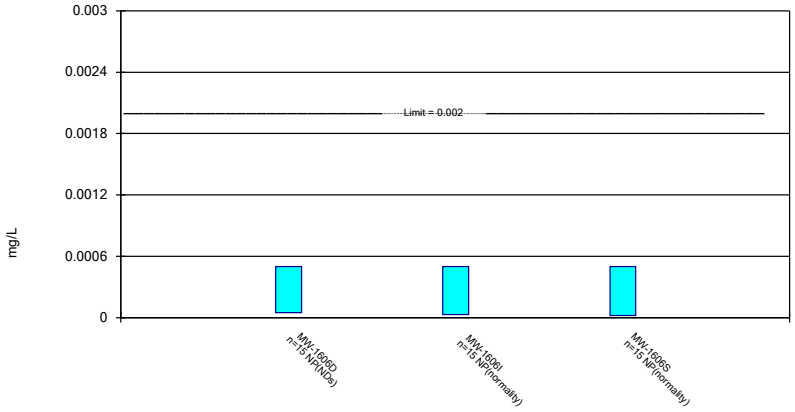
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV
Rockport BAP Client: Geosyntec Data: Rockport_BAP

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium, total Analysis Run 7/8/2020 4:56 PM View: Appendix IV

Rockport BAP Client: Geosyntec Data: Rockport_BAP

APPENDIX 3 – Alternate Source Demonstrations

No new alternate source demonstrations have been completed as of January 31, 2021.

APPENDIX 4 – Notices for Monitoring Program Transitions

The notification that an assessment monitoring program was initiated follows.

Rockport Plant Bottom Ash Pond

Notice of Assessment Monitoring Initiation

On January 15, 2018, it was determined that the Rockport Plant's Bottom Ash Pond Complex had statistically significant increases over background for the Appendix III parameters of boron, chloride, fluoride, pH, TDS, and sulfate. An alternative source demonstration was not successful within the 90 day period as allowed for in 257.94(e)(2). Therefore, an assessment monitoring program was established at Rockport's bottom ash pond complex on April 15, 2018 and this notice is being placed in Rockport's operating record in accordance with the requirement in 257.94 (e)(3).

APPENDIX 5 – Well Installation/Decommissioning Logs

There were no wells installed or decommissioned in 2020.