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January 24, 2022

Hillary Young
Chief Engineer - Land Protection Division
Oklahoma Department of Environmental Quality
P.O. Box 1677
Oklahoma City, OK 73162

Re:

Notification of Apparent Exceedances from October 2021 Assessment Monitoring Western Farmers Electric Cooperative – Hugo Power Station, Fort Towson, Oklahoma

Dear Ms. Young:

Western Farmers Electric Cooperative (WFEC) has been conducting assessment monitoring associated with Coal Combustion Residuals (CCR) Units at its Hugo Power Station (HPS). The laboratory report for October 2021 (Attachment A). Based upon review of data from October 2021 assessment monitoring, WFEC has identified constituents listed in Appendix B of Oklahoma Administrative Code Chapter 517, Disposal of Coal Combustion Residuals from Electric Utilities (OAC 252:517) at statistically significant levels (SSLs) above the Ground Water Protection Standard (GWPS). In particular, molybdenum was detected at SSLs above the GWPS (as revised to reflect September 15, 2021 regulatory changes to OAC 252:517) at four of the Landfill CCR Unit monitoring wells (MW-15A, MW-16, MW-18, and MW-19S). This submittal addresses OAC 252:517-9-6(g), which requires the owner/operator to prepare a notification identifying OAC 252:517 Appendix B constituents detected at SSLs above the GWPS.

Molybdenum was detected at SSLs above the GWPS at these wells during the previous assessment monitoring events and notification was provided to the Oklahoma Department of Environmental Quality (ODEQ). A <u>Plan and Schedule for Analyzing SSIs for Molybdenum</u> (Altamira; March 4, 2020) was submitted to and approved for implementation by ODEQ in its letter dated April 28, 2020. An <u>Assessment of Corrective Measures (ACM) Report</u> was submitted on October 29, 2020 and semi-annual sampling as proposed to establish the effectiveness of monitored natural attenuation as a groundwater remedy is underway.

Groundwater data summary tables for the Landfill CCR Unit updated to include results from October 2021 assessment monitoring are included (Attachment B). Other than as discussed above, no OAC 252:517 Appendix B constituents were detected at SSLs above the GWPS in monitoring wells associated with the Landfill CCR Unit. Also, no OAC 252:517 Appendix B constituents were detected at SSLs above the GWPS in monitoring wells associated with the Surface Impoundment CCR Unit.

Sincerely

Kent Fletcher

Environmental Coordinator

cc:

John McCreight / WFEC

Christ Schaefer and Bert Smith / Altamira-US, LLC.

ATTACHMENT A

OCTOBER 2021 ASSESSMENT MONITORING LABORATORY REPORT (LANDFILL CCR UNIT)



10450 Stancliff Rd. Suite 210 Houston, TX 77099 T: +1 281 530 5656

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January 14, 2022

Bert Smith Altamira 525 central park Dr Suite 500 Oklahoma City, OK 73013

Work Order: **HS21100884**

Laboratory Results for: WFEC CCR/Landfill

Dear Bert Smith,

ALS Environmental received 13 sample(s) on Oct 15, 2021 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

Generated By: JUMOKE.LAWAL

Ragen Giga Project Manager

Client: Altamira

Project: WFEC CCR/Landfill SAMPLE SUMMARY

Work Order: HS21100884

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS21100884-01	MW-3	Water		13-Oct-2021 18:49	15-Oct-2021 10:20	
HS21100884-02	MW-14A	Water		13-Oct-2021 19:17	15-Oct-2021 10:20	
HS21100884-03	MW-15A	Water		13-Oct-2021 17:03	15-Oct-2021 10:20	
HS21100884-04	MW-21	Water		13-Oct-2021 17:35	15-Oct-2021 10:20	
HS21100884-05	DUP 3	Water		13-Oct-2021 17:35	15-Oct-2021 10:20	
HS21100884-06	MW-5S	Water		14-Oct-2021 15:00	16-Oct-2021 10:20	
HS21100884-07	MW-7S	Water		15-Oct-2021 11:16	16-Oct-2021 10:20	
HS21100884-08	MW-13	Water		15-Oct-2021 13:07	16-Oct-2021 10:20	
HS21100884-09	MW-16	Water		14-Oct-2021 16:43	16-Oct-2021 10:20	
HS21100884-10	MW-17	Water		14-Oct-2021 17:50	16-Oct-2021 10:20	
HS21100884-11	MW-18	Water		14-Oct-2021 19:15	16-Oct-2021 10:20	
HS21100884-12	MW-19S	Water		15-Oct-2021 12:02	16-Oct-2021 10:20	
HS21100884-13	MW-20	Water		15-Oct-2021 10:00	16-Oct-2021 10:20	

Client: Altamira CASE NARRATIVE

Project: WFEC CCR/Landfill

Work Order: HS21100884

Work Order Comments

· Sample received outside method holding time for pH. pH is an immediate test. Sample results are flagged with an "H" qualifier.

The temperature at the time of pH is reported. Please note that all pH results are already normalized to a temperature of 25 °C.

• The analyses for Radium-226 and Radium-228 were subcontracted to ALS Environmental in Fort Collins, CO. Final report attached.

Work Order Comments

• REV02: Samples HS21100884-06-13 subcontract Rad 226/228 results were appended to this report.

ALS Fort Collins RAD report revised, original Data reported for sample ID MW-21 result was an outlier in an order of magnitude higher than historically seen, Lab reporting error was corrected upon data review.

Metals by Method SM3500FED

Batch ID: R394454,R394455,R393566,R393740

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Metals by Method SW6020A

Batch ID: 171800

Sample ID: MW-21 (HS21100884-04MS)

• The MS and/or MSD recovery was outside of the control limits; however, the result in the parent sample is greater than 4x the spike amount. (Calcium,Magnesium,Sodium)

Sample ID: MW-21 (HS21100884-04PDS)

• The PDS recovery was outside method control limits, however the result in the parent sample is greater than 4x the spike amount. (Magnesium)

Batch ID: 171817

Sample ID: HS21100769-09MS

· MS and MSD were performed on an unrelated sample

Metals by Method SW7470A

Batch ID: 171793

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Wet Chemistry by Method E300

Batch ID: R394578

Sample ID: HS21101112-01MS

• MS and MSD were performed on unrelated sample

WetChemistry by Method SM4500H+ B

Batch ID: R394509

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Client: Altamira CASE NARRATIVE

Project: WFEC CCR/Landfill

Work Order: HS21100884

WetChemistry by Method M2510 B

Batch ID: R394421

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method M2540C

Batch ID: R393922,R394028

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SM2320B

Batch ID: R393972

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method E410.4

Batch ID: R394252

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SM4500 S2-F

Batch ID: R393819,R393988

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Client: Altamira CASE NARRATIVE

Project: WFEC CCR/Landfill

Work Order: HS21100884

WetChemistry by Method SM3500FED

Batch ID: R394434

Sample ID: MW-14A (HS21100884-02)

• Sample was analyzed outside of the holding time due to laboratory error. Sample results should be considered estimated.

Sample ID: MW-15A (HS21100884-03)

• Sample was analyzed outside of the holding time due to laboratory error. Sample results should be considered estimated.

Sample ID: MW-16 (HS21100884-09)

• Sample was analyzed outside of the holding time due to laboratory error. Sample results should be considered estimated.

Sample ID: MW-17 (HS21100884-10)

• Sample was analyzed outside of the holding time due to laboratory error. Sample results should be considered estimated.

Sample ID: MW-18 (HS21100884-11)

• Sample was analyzed outside of the holding time due to laboratory error. Sample results should be considered estimated.

Sample ID: MW-19S (HS21100884-12)

• Sample was analyzed outside of the holding time due to laboratory error. Sample results should be considered estimated.

Sample ID: MW-5S (HS21100884-06)

• Sample was analyzed outside of the holding time due to laboratory error. Sample results should be considered estimated.

Sample ID: MW-7S (HS21100884-07)

• Sample was analyzed outside of the holding time due to laboratory error. Sample results should be considered estimated.

WetChemistry by Method E300

Batch ID: R394412

Sample ID: MW-17 (HS21100884-10)

• 2X dilution due to high concentration of SO4

Batch ID: R393664

Sample ID: DUP 3 (HS21100884-05)

• Sample ran at 2X due to high concentration of SO4

Sample ID: MW-3 (HS21100884-01)

· Sample ran at 2X due to high concentration of SO4

Sample ID: HS21100876-02MS

• MS and MSD are for an unrelated sample (Chloride)

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-3

Collection Date: 13-Oct-2021 18:49

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-01

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		Method	:SW6020A		Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 15:21
Arsenic	0.000422	J	0.000400	0.00200	mg/L	1	28-Oct-2021 15:21
Barium	0.0136		0.00190	0.00400	mg/L	1	28-Oct-2021 15:21
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:21
Boron	0.939		0.110	0.200	mg/L	10	29-Oct-2021 14:36
Cadmium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:21
Calcium	155		0.340	5.00	mg/L	10	29-Oct-2021 14:36
Chromium	0.000467	J	0.000400	0.00400	mg/L	1	28-Oct-2021 15:21
Cobalt	U		0.000200	0.00500	mg/L	1	28-Oct-2021 15:21
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 15:21
Lithium	0.137		0.00100	0.00500	mg/L	1	28-Oct-2021 15:21
Molybdenum	0.000629	J	0.000600	0.00500	mg/L	1	28-Oct-2021 15:21
Selenium	U		0.00110	0.00200	mg/L	1	28-Oct-2021 15:21
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:21
MERCURY BY SW7470A		Method	:SW7470A		Prep:SW7470A /	27-Oct-2021	Analyst: MSC
Mercury	0.0000610	J	0.0000300	0.000200	mg/L	1	27-Oct-2021 12:46
ANIONS BY E300.0, REV 2.1, 199	93	Meth	od:E300				Analyst: YP
Chloride	12.7		0.400	1.00	mg/L	2	15-Oct-2021 15:07
Fluoride	0.258		0.100	0.200	mg/L	2	15-Oct-2021 15:07
Nitrogen, Nitrate (As N)	U		0.0600	0.200	mg/L	2	15-Oct-2021 15:07
Sulfate	1,200		10.0	25.0	mg/L	50	30-Oct-2021 06:40
CHEMICAL OXYGEN DEMAND E E410.4, REV 2.0, 1993	BY	Metho	d:E410.4				Analyst: TH
Chemical Oxygen Demand	12.0	J	5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY S 2011		Method	i:M2510 B				Analyst: MZD
Specific Conductivity	2,680		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30
TOTAL DISSOLVED SOLIDS BY -2011	SM2540C	Method	d:M2540C		@ 20.0		Analyst: SH
Total Dissolved Solids (Residue Filterable)	, 1,970		5.00	10.0	mg/L	1	20-Oct-2021 20:00
PH BY SM4500H+ B-2011	N	/lethod:S	M4500H+ B				Analyst: SH
pH	5.99	Н	0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	21.2	Н	0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RA 226		Meth	nod:NA				Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RA		Meth	nod:NA				Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-14A

Collection Date: 13-Oct-2021 19:17

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-02

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
FERRIC IRON - BY CALCULATION B SM3500FED	Υ	Method:S	SM3500FED				Analyst: JHD
Ferric Iron	0.935		0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
FERRIC IRON (DISS)- BY CALCULAT BY SM3500FED	ΓΙΟΝ		M3500FED solved)				Analyst: JHD
Ferric Iron, Dissolved	0.357		0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
ICP-MS METALS BY SW6020A		Method:	SW6020A		Prep:SW3010A / 2	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 15:23
Arsenic	U		0.000400	0.00200	mg/L	1	28-Oct-2021 15:23
Barium	0.0121		0.00190	0.00400	mg/L	1	28-Oct-2021 15:23
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:23
Boron	0.857		0.0110	0.0200	mg/L	1	28-Oct-2021 15:23
Cadmium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:23
Calcium	263		0.340	5.00	mg/L	10	29-Oct-2021 14:12
Chromium	U		0.000400	0.00400	mg/L	1	28-Oct-2021 15:23
Cobalt	0.000257	J	0.000200	0.00500	mg/L	1	28-Oct-2021 15:23
Iron	1.22		0.0120	0.200	mg/L	1	28-Oct-2021 15:23
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 15:23
Lithium	0.151		0.00100	0.00500	mg/L	1	28-Oct-2021 15:23
Magnesium	26.5		0.0100	0.200	mg/L	1	28-Oct-2021 15:23
Molybdenum	U		0.000600	0.00500	mg/L	1	28-Oct-2021 15:23
Potassium	7.84		0.0180	0.200	mg/L	1	28-Oct-2021 15:23
Selenium	U		0.00110	0.00200	mg/L	1	28-Oct-2021 15:23
Sodium	388		0.140	2.00	mg/L	10	29-Oct-2021 14:12
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:23
DISSOLVED METALS BY SW6020A	Meth	od:SW60	20A (dissolve	ed)	Prep:SW3010A / 2	27-Oct-2021	Analyst: JHD
Iron	0.357		0.0120	0.200	mg/L	1	27-Oct-2021 19:40
Molybdenum	U		0.000600	0.00500	mg/L	1	27-Oct-2021 19:40
MERCURY BY SW7470A		Method:	:SW7470A		Prep:SW7470A / 2	27-Oct-2021	Analyst: MSC
	0.0000300		0.0000300	0.000200	mg/L	1	27-Oct-2021 12:48
ANIONS BY E300.0, REV 2.1, 1993		Metho	od:E300				Analyst: YP
Chloride	12.8		0.400	1.00	mg/L	2	15-Oct-2021 15:15
Fluoride	0.221		0.100	0.200	mg/L	2	15-Oct-2021 15:15
Nitrogen, Nitrate (As N)	U		0.0600	0.200	mg/L	2	15-Oct-2021 15:15
Sulfate	1,690		10.0	25.0	mg/L	50	30-Oct-2021 06:48
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Metho	d:E410.4				Analyst: TH
Chemical Oxygen Demand	6.00	J	5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY SM 25 2011			:M2510 B				Analyst: MZD
Specific Conductivity	3,320		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-14A

Collection Date: 13-Oct-2021 19:17

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-02

Matrix:Water

ANALYSES	RESULT QU	AL MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL DISSOLVED SOLIDS BY SN -2011	/12540C Me	thod:M2540C				Analyst: SH
Total Dissolved Solids (Residue, Filterable)	2,630	5.00	10.0	mg/L	1	20-Oct-2021 20:00
ALKALINITY BY SM 2320B-2011	Me	thod:SM2320B				Analyst: TH
Alkalinity, Bicarbonate (As CaCO3)	348	5.00	5.00	mg/L	1	21-Oct-2021 23:12
Alkalinity, Carbonate (As CaCO3)	U	5.00	5.00	mg/L	1	21-Oct-2021 23:12
Alkalinity, Hydroxide (As CaCO3)	U	5.00	5.00	mg/L	1	21-Oct-2021 23:12
Alkalinity, Total (As CaCO3)	348	5.00	5.00	mg/L	1	21-Oct-2021 23:12
FERROUS IRON BY SM3500 FE B	Meth	od:SM3500FED				Analyst: AP
Ferrous Iron	0.285	0.0200	0.0500	mg/L	1	15-Oct-2021 15:29
FERROUS IRON BY SM3500 FE D		od:SM3500FED (dissolved)				Analyst: AP
Ferrous Iron, Dissolved	U	H 0.0200	0.0500	mg/L	1	27-Oct-2021 20:36
SULFIDE BY SM4500 S2-F-2011	Meth	od:SM4500 S2-F				Analyst: MZD
Sulfide	3.08	1.00	1.00	mg/L	1	20-Oct-2021 12:50
PH BY SM4500H+ B-2011	Meth	od:SM4500H+ B				Analyst: SH
рН	6.74	H 0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	21.5	Н 0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RADII 226	UM	Method:NA				Analyst: SUBFC
Subcontract Analysis S	See Attached	0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RADI	UM 228	Method:NA				Analyst: SUBFC
Subcontract Analysis S	See Attached	0		NA	1	20-Dec-2021 08:01

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-15A

Collection Date: 13-Oct-2021 17:03

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-03

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
FERRIC IRON - BY CALCULATION B SM3500FED	Υ	Method:	SM3500FED				Analyst: JHD
Ferric Iron	0.0840		0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
FERRIC IRON (DISS)- BY CALCULAT BY SM3500FED	TION		SM3500FED solved)				Analyst: JHD
Ferric Iron, Dissolved	0.590	,	0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
ICP-MS METALS BY SW6020A		Method	:SW6020A		Prep:SW3010A / 2	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 15:25
Arsenic	0.00113	J	0.000400	0.00200	mg/L	1	28-Oct-2021 15:25
Barium	0.0224		0.00190	0.00400	mg/L	1	28-Oct-2021 15:25
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:25
Boron	2.14		0.110	0.200	mg/L	10	29-Oct-2021 14:14
Cadmium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:25
Calcium	96.6		0.0340	0.500	mg/L	1	28-Oct-2021 15:25
Chromium	0.000502	J	0.000400	0.00400	mg/L	1	28-Oct-2021 15:25
Cobalt	0.000296	J	0.000200	0.00500	mg/L	1	28-Oct-2021 15:25
Iron	0.368		0.0120	0.200	mg/L	1	28-Oct-2021 15:25
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 15:25
Lithium	0.0627		0.00100	0.00500	mg/L	1	28-Oct-2021 15:25
Magnesium	10.2		0.0100	0.200	mg/L	1	28-Oct-2021 15:25
Molybdenum	0.149		0.000600	0.00500	mg/L	1	28-Oct-2021 15:25
Potassium	4.97		0.0180	0.200	mg/L	1	28-Oct-2021 15:25
Selenium	U		0.00110	0.00200	mg/L	1	28-Oct-2021 15:25
Sodium	421		0.140	2.00	mg/L	10	29-Oct-2021 14:14
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:25
DISSOLVED METALS BY SW6020A	Meth	od:SW60	20A (dissol	ved)	Prep:SW3010A / 2	27-Oct-2021	Analyst: JHD
Iron	0.590		0.0120	0.200	mg/L	1	27-Oct-2021 19:45
Molybdenum	0.181		0.000600	0.00500	mg/L	1	27-Oct-2021 19:45
MERCURY BY SW7470A		Method	:SW7470A		Prep:SW7470A / 2	27-Oct-2021	Analyst: MSC
Mercury	U		0.0000300	0.000200	mg/L	1	27-Oct-2021 12:50
ANIONS BY E300.0, REV 2.1, 1993		Metho	od:E300		<u> </u>		Analyst: YP
Chloride	25.7		0.400	1.00	mg/L	2	15-Oct-2021 15:22
Fluoride	1.01		0.100	0.200	mg/L	2	15-Oct-2021 15:22
Nitrogen, Nitrate (As N)	0.0704	J	0.0600	0.200	mg/L	2	15-Oct-2021 15:22
Sulfate	1,580		10.0	25.0	mg/L	50	30-Oct-2021 06:55
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Metho	d:E410.4		-		Analyst: TH
Chemical Oxygen Demand	11.0	J	5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY SM 25 2011	510B-	Method	I:M2510 B				Analyst: MZD
Specific Conductivity	3,370		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-15A

Collection Date: 13-Oct-2021 17:03

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-03

Matrix:Water

ANALYSES	RESULT Q	JAL MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL DISSOLVED SOLIDS BY SN -2011	M2540C M	ethod:M2540C				Analyst: SH
Total Dissolved Solids (Residue, Filterable)	2,370	5.00	10.0	mg/L	1	20-Oct-2021 20:00
ALKALINITY BY SM 2320B-2011	Me	ethod:SM2320B				Analyst: TH
Alkalinity, Bicarbonate (As CaCO3)	226	5.00	5.00	mg/L	1	21-Oct-2021 23:24
Alkalinity, Carbonate (As CaCO3)	U	5.00	5.00	mg/L	1	21-Oct-2021 23:24
Alkalinity, Hydroxide (As CaCO3)	U	5.00	5.00	mg/L	1	21-Oct-2021 23:24
Alkalinity, Total (As CaCO3)	226	5.00	5.00	mg/L	1	21-Oct-2021 23:24
FERROUS IRON BY SM3500 FE B	Met	hod:SM3500FED				Analyst: AP
Ferrous Iron	0.284	0.0200	0.0500	mg/L	1	15-Oct-2021 15:29
FERROUS IRON BY SM3500 FE D	Met	hod:SM3500FED (dissolved)				Analyst: AP
Ferrous Iron, Dissolved	U	H 0.0200	0.0500	mg/L	1	27-Oct-2021 20:36
SULFIDE BY SM4500 S2-F-2011	Metl	nod:SM4500 S2-F				Analyst: MZD
Sulfide	U	1.00	1.00	mg/L	1	20-Oct-2021 12:50
PH BY SM4500H+ B-2011	Met	nod:SM4500H+ B				Analyst: SH
рН	7.45	H 0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	22.2	Н 0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RADI 226	IUM	Method:NA				Analyst: SUBFC
Subcontract Analysis	See Attached	0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RADI	IUM 228	Method:NA				Analyst: SUBFC
Subcontract Analysis	See Attached	0		NA	1	20-Dec-2021 08:01

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-21

Collection Date: 13-Oct-2021 17:35

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-04

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		Method	:SW6020A		Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 15:36
Arsenic	0.000539	J	0.000400	0.00200	mg/L	1	28-Oct-2021 15:36
Barium	0.0102		0.00190	0.00400	mg/L	1	28-Oct-2021 15:36
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:36
Boron	2.53		0.220	0.400	mg/L	20	29-Oct-2021 16:19
Cadmium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:36
Calcium	128		0.0340	0.500	mg/L	1	28-Oct-2021 15:36
Chromium	U		0.000400	0.00400	mg/L	1	28-Oct-2021 15:36
Cobalt	U		0.000200	0.00500	mg/L	1	28-Oct-2021 15:36
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 15:36
Lithium	0.125		0.00100	0.00500	mg/L	1	28-Oct-2021 15:36
Molybdenum	0.000677	J	0.000600	0.00500	mg/L	1	28-Oct-2021 15:36
Selenium	U		0.00110	0.00200	mg/L	1	28-Oct-2021 15:36
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:36
MERCURY BY SW7470A		Method	:SW7470A		Prep:SW7470A /	27-Oct-2021	Analyst: MSC
Mercury	U		0.0000300	0.000200	mg/L	1	27-Oct-2021 12:39
ANIONS BY E300.0, REV 2.1, 199	3	Meth	od:E300				Analyst: YP
Chloride	21.5		0.400	1.00	mg/L	2	15-Oct-2021 15:29
Fluoride	0.411		0.100	0.200	mg/L	2	15-Oct-2021 15:29
Nitrogen, Nitrate (As N)	0.207		0.0600	0.200	mg/L	2	15-Oct-2021 15:29
Sulfate	1,670		10.0	25.0	mg/L	50	30-Oct-2021 07:02
CHEMICAL OXYGEN DEMAND B E410.4, REV 2.0, 1993	SY .	Metho	d:E410.4				Analyst: TH
Chemical Oxygen Demand	U		5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY S 2011		Method	I:M2510 B				Analyst: MZD
Specific Conductivity	3,620		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30
TOTAL DISSOLVED SOLIDS BY 2-2011	SM2540C	Method	d:M2540C		@ 20.0		Analyst: SH
Total Dissolved Solids (Residue, Filterable)	2,660		5.00	10.0	mg/L	1	20-Oct-2021 20:00
PH BY SM4500H+ B-2011		Method:S	M4500H+ B				Analyst: SH
pH	7.28	Н	0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	21.5	Н	0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RA 226		Meth	nod:NA				Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RA		Meth	nod:NA				Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: DUP 3

Collection Date: 13-Oct-2021 17:35

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-05

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT		DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		Method	:SW6020A		Prep:SW3010A / 2	?7-Oct-2021	Analyst: JHD
Antimony	0.000545	J	0.000400	0.00200	mg/L	1	28-Oct-2021 15:47
Arsenic	0.000521	J	0.000400	0.00200	mg/L	1	28-Oct-2021 15:47
Barium	0.0105		0.00190	0.00400	mg/L	1	28-Oct-2021 15:47
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:47
Boron	2.31		0.110	0.200	mg/L	10	29-Oct-2021 14:22
Cadmium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:47
Calcium	135		0.0340	0.500	mg/L	1	28-Oct-2021 15:47
Chromium	U		0.000400	0.00400	mg/L	1	28-Oct-2021 15:47
Cobalt	U		0.000200	0.00500	mg/L	1	28-Oct-2021 15:47
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 15:47
Lithium	0.114		0.00100	0.00500	mg/L	1	28-Oct-2021 15:47
Molybdenum	0.000876	J	0.000600	0.00500	mg/L	1	28-Oct-2021 15:47
Selenium	U		0.00110	0.00200	mg/L	1	28-Oct-2021 15:47
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:47
MERCURY BY SW7470A		Method	:SW7470A		Prep:SW7470A / 2	?7-Oct-2021	Analyst: MSC
Mercury	0.0000330	J	0.0000300	0.000200	mg/L	1	27-Oct-2021 12:51
ANIONS BY E300.0, REV 2.1, 19	93	Metho	od:E300				Analyst: YP
Chloride	22.1		0.400	1.00	mg/L	2	15-Oct-2021 15:52
Fluoride	0.471		0.100	0.200	mg/L	2	15-Oct-2021 15:52
Nitrogen, Nitrate (As N)	0.168	J	0.0600	0.200	mg/L	2	15-Oct-2021 15:52
Sulfate	1,520		10.0	25.0	mg/L	50	30-Oct-2021 07:10
CHEMICAL OXYGEN DEMAND E E410.4, REV 2.0, 1993		Metho	d:E410.4				Analyst: TH
Chemical Oxygen Demand	7.00	J	5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY \$ 2011		Method	I:M2510 B				Analyst: MZD
Specific Conductivity	3,480		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30
TOTAL DISSOLVED SOLIDS BY -2011	SM2540C	Method	1:M2540C		@ 20.0		Analyst: SH
Total Dissolved Solids (Residue Filterable)	, 2,560		5.00	10.0	mg/L	1	20-Oct-2021 20:00
PH BY SM4500H+ B-2011	N	/lethod:S	M4500H+ B				Analyst: SH
рН	7.43	Н	0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	20.6	Н	0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RA 226		Meth	nod:NA				Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RA		Meth	nod:NA				Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-5S

Collection Date: 14-Oct-2021 15:00

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-06

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
FERRIC IRON - BY CALCULATION I SM3500FED	ВҮ	Method:S	M3500FED				Analyst: JHD
Ferric Iron	0.0270	J	0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
FERRIC IRON (DISS)- BY CALCULA BY SM3500FED	TION		M3500FED olved)				Analyst: JHD
Ferric Iron, Dissolved	U		0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
ICP-MS METALS BY SW6020A		Method:	SW6020A		Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 15:49
Arsenic	U		0.000400	0.00200	mg/L	1	28-Oct-2021 15:49
Barium	0.00732		0.00190	0.00400	mg/L	1	28-Oct-2021 15:49
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:49
Boron	1.82		0.110	0.200	mg/L	10	29-Oct-2021 14:24
Cadmium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:49
Calcium	21.0		0.0340	0.500	mg/L	1	28-Oct-2021 15:49
Chromium	U		0.000400	0.00400	mg/L	1	28-Oct-2021 15:49
Cobalt	U		0.000200	0.00500	mg/L	1	28-Oct-2021 15:49
Iron	0.0270	J	0.0120	0.200	mg/L	1	28-Oct-2021 15:49
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 15:49
Lithium	0.0532		0.00100	0.00500	mg/L	1	28-Oct-2021 15:49
Magnesium	4.60		0.0100	0.200	mg/L	1	28-Oct-2021 15:49
Molybdenum	0.00387	J	0.000600	0.00500	mg/L	1	28-Oct-2021 15:49
Potassium	3.96		0.0180	0.200	mg/L	1	28-Oct-2021 15:49
Selenium	U		0.00110	0.00200	mg/L	1	28-Oct-2021 15:49
Sodium	243		0.140	2.00	mg/L	10	29-Oct-2021 14:24
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:49
DISSOLVED METALS BY SW6020A	Meth	od:SW60	20A (dissolv	ved)	Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Iron	U		0.0120	0.200	mg/L	1	27-Oct-2021 19:48
Molybdenum	0.00296	J	0.000600	0.00500	mg/L	1	27-Oct-2021 19:48
MERCURY BY SW7470A		Method:	SW7470A		Prep:SW7470A /	27-Oct-2021	Analyst: MSC
Mercury	U		0.0000300	0.000200	mg/L	1	27-Oct-2021 12:53
ANIONS BY E300.0, REV 2.1, 1993		Metho	d:E300				Analyst: YP
Chloride	26.4		0.200	0.500	mg/L	1	16-Oct-2021 13:18
Fluoride	1.57		0.0500	0.100	mg/L	1	16-Oct-2021 13:18
Nitrogen, Nitrate (As N)	0.0984	J	0.0300	0.100	mg/L	1	16-Oct-2021 13:18
Sulfate	499		4.00	10.0	mg/L	20	30-Oct-2021 07:17
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method	I:E410.4				Analyst: TH
Chemical Oxygen Demand	6.00	J	5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY SM 2 2011		Method:	M2510 B				Analyst: MZD
Specific Conductivity	1,820		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-5S

Collection Date: 14-Oct-2021 15:00

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-06

Matrix:Water

ANALYSES	RESULT Q	JAL MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL DISSOLVED SOLIDS BY SM -2011	12540C M	ethod:M2540C				Analyst: SH
Total Dissolved Solids (Residue, Filterable)	1,140	5.00	10.0	mg/L	1	20-Oct-2021 20:00
ALKALINITY BY SM 2320B-2011	Me	thod:SM2320B				Analyst: TH
Alkalinity, Bicarbonate (As CaCO3)	460	5.00	5.00	mg/L	1	21-Oct-2021 23:31
Alkalinity, Carbonate (As CaCO3)	9.52	5.00	5.00	mg/L	1	21-Oct-2021 23:31
Alkalinity, Hydroxide (As CaCO3)	U	5.00	5.00	mg/L	1	21-Oct-2021 23:31
Alkalinity, Total (As CaCO3)	470	5.00	5.00	mg/L	1	21-Oct-2021 23:31
FERROUS IRON BY SM3500 FE B	Met	hod:SM3500FED				Analyst: TH
Ferrous Iron	U	0.0200	0.0500	mg/L	1	16-Oct-2021 12:30
FERROUS IRON BY SM3500 FE D	Met	hod:SM3500FED (dissolved)				Analyst: AP
Ferrous Iron, Dissolved	U	H 0.0200	0.0500	mg/L	1	27-Oct-2021 20:36
SULFIDE BY SM4500 S2-F-2011	Meth	nod:SM4500 S2-F				Analyst: MZD
Sulfide	U	1.00	1.00	mg/L	1	21-Oct-2021 16:45
PH BY SM4500H+ B-2011	Metl	nod:SM4500H+ B				Analyst: SH
рН	8.16	H 0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	21.6	Н 0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RADIU 226	JM	Method:NA				Analyst: SUBFC
Subcontract Analysis S	ee Attached	0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RADII	JM 228	Method:NA				Analyst: SUBFC
Subcontract Analysis S	ee Attached	0		NA	1	20-Dec-2021 08:01

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-7S

Collection Date: 15-Oct-2021 11:16

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-07

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
FERRIC IRON - BY CALCULATION B' SM3500FED	Y	Method:S	M3500FED				Analyst: JHD
Ferric Iron	0.103		0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
FERRIC IRON (DISS)- BY CALCULAT BY SM3500FED	ION		M3500FED olved)				Analyst: JHD
Ferric Iron, Dissolved	0.134	•	0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
ICP-MS METALS BY SW6020A		Method:	SW6020A		Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 15:51
Arsenic	U		0.000400	0.00200	mg/L	1	28-Oct-2021 15:51
Barium	0.0154		0.00190	0.00400	mg/L	1	28-Oct-2021 15:51
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:51
Boron	2.18		0.110	0.200	mg/L	10	29-Oct-2021 14:38
Cadmium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:51
Calcium	97.1		0.0340	0.500	mg/L	1	28-Oct-2021 15:51
Chromium	U		0.000400	0.00400	mg/L	1	28-Oct-2021 15:51
Cobalt	0.000259	J	0.000200	0.00500	mg/L	1	28-Oct-2021 15:51
Iron	0.310		0.0120	0.200	mg/L	1	28-Oct-2021 15:51
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 15:51
Lithium	0.0645		0.00100	0.00500	mg/L	1	28-Oct-2021 15:51
Magnesium	12.2		0.0100	0.200	mg/L	1	28-Oct-2021 15:51
Molybdenum	0.00115	J	0.000600	0.00500	mg/L	1	28-Oct-2021 15:51
Potassium	5.14		0.0180	0.200	mg/L	1	28-Oct-2021 15:51
Selenium	U		0.00110	0.00200	mg/L	1	28-Oct-2021 15:51
Sodium	261		0.140	2.00	mg/L	10	29-Oct-2021 14:38
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 15:51
DISSOLVED METALS BY SW6020A	Meth	od:SW60	20A (dissolv	ved)	Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Iron	0.134		0.0120	0.200	mg/L	1	27-Oct-2021 19:50
Molybdenum	0.00121	J	0.000600	0.00500	mg/L	1	27-Oct-2021 19:50
MERCURY BY SW7470A		Method:	SW7470A		Prep:SW7470A /	27-Oct-2021	Analyst: MSC
Mercury	U		0.0000300	0.000200	mg/L	1	27-Oct-2021 13:06
ANIONS BY E300.0, REV 2.1, 1993		Metho	d:E300				Analyst: YP
Chloride	16.8		0.200	0.500	mg/L	1	16-Oct-2021 13:40
Fluoride	0.746		0.0500	0.100	mg/L	1	16-Oct-2021 13:40
Nitrogen, Nitrate (As N)	0.0940	J	0.0300	0.100	mg/L	1	16-Oct-2021 13:40
Sulfate	690		4.00	10.0	mg/L	20	30-Oct-2021 07:39
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method	d:E410.4		_		Analyst: TH
Chemical Oxygen Demand	7.00	J	5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY SM 25 2011			:M2510 B				Analyst: MZD
Specific Conductivity	1,860		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-7S

Collection Date: 15-Oct-2021 11:16

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-07

Matrix:Water

ANALYSES	RESULT Q	UAL MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL DISSOLVED SOLIDS BY SN -2011	M2540C N	lethod:M2540C				Analyst: SH
Total Dissolved Solids (Residue, Filterable)	1,290	5.00	10.0	mg/L	1	21-Oct-2021 15:00
ALKALINITY BY SM 2320B-2011	М	ethod:SM2320B				Analyst: TH
Alkalinity, Bicarbonate (As CaCO3)	343	5.00	5.00	mg/L	1	21-Oct-2021 23:38
Alkalinity, Carbonate (As CaCO3)	U	5.00	5.00	mg/L	1	21-Oct-2021 23:38
Alkalinity, Hydroxide (As CaCO3)	U	5.00	5.00	mg/L	1	21-Oct-2021 23:38
Alkalinity, Total (As CaCO3)	343	5.00	5.00	mg/L	1	21-Oct-2021 23:38
FERROUS IRON BY SM3500 FE B	Me	thod:SM3500FED				Analyst: TH
Ferrous Iron	0.207	0.0200	0.0500	mg/L	1	16-Oct-2021 12:30
FERROUS IRON BY SM3500 FE D	Me	thod:SM3500FED (dissolved)				Analyst: AP
Ferrous Iron, Dissolved	U	H 0.0200	0.0500	mg/L	1	27-Oct-2021 20:36
SULFIDE BY SM4500 S2-F-2011	Met	hod:SM4500 S2-l	•			Analyst: MZD
Sulfide	U	1.00	1.00	mg/L	1	21-Oct-2021 16:45
PH BY SM4500H+ B-2011	Met	hod:SM4500H+ E	3			Analyst: SH
рН	7.84	H 0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	21.6	Н 0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RADI 226	IUM	Method:NA				Analyst: SUBFC
Subcontract Analysis	See Attached	0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RADI	IUM 228	Method:NA				Analyst: SUBFC
Subcontract Analysis	See Attached	0		NA	1	20-Dec-2021 08:01

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-13

Collection Date: 15-Oct-2021 13:07

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-08

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		Method	:SW6020A		Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 16:13
Arsenic	U		0.000400	0.00200	mg/L	1	28-Oct-2021 16:13
Barium	0.0112		0.00190	0.00400	mg/L	1	28-Oct-2021 16:13
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:13
Boron	1.43		0.110	0.200	mg/L	10	29-Oct-2021 14:40
Cadmium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:13
Calcium	237		0.340	5.00	mg/L	10	29-Oct-2021 14:40
Chromium	U		0.000400	0.00400	mg/L	1	28-Oct-2021 16:13
Cobalt	U		0.000200	0.00500	mg/L	1	28-Oct-2021 16:13
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 16:13
Lithium	0.163		0.00100	0.00500	mg/L	1	28-Oct-2021 16:13
Molybdenum	0.000917	J	0.000600	0.00500	mg/L	1	28-Oct-2021 16:13
Selenium	U		0.00110	0.00200	mg/L	1	28-Oct-2021 16:13
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:13
MERCURY BY SW7470A		Method	:SW7470A		Prep:SW7470A /	27-Oct-2021	Analyst: MSC
Mercury	0.0000490	J	0.0000300	0.000200	mg/L	1	27-Oct-2021 13:08
ANIONS BY E300.0, REV 2.1, 199	93	Meth	od:E300				Analyst: YP
Chloride	14.8		0.200	0.500	mg/L	1	16-Oct-2021 14:03
Fluoride	0.294		0.0500	0.100	mg/L	1	16-Oct-2021 14:03
Nitrogen, Nitrate (As N)	0.0613	J	0.0300	0.100	mg/L	1	16-Oct-2021 14:03
Sulfate	1,570		10.0	25.0	mg/L	50	30-Oct-2021 07:47
CHEMICAL OXYGEN DEMAND E E410.4, REV 2.0, 1993	BY	Metho	d:E410.4				Analyst: TH
Chemical Oxygen Demand	5.00	J	5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY S 2011		Method	d:M2510 B				Analyst: MZD
Specific Conductivity	3,050		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30
TOTAL DISSOLVED SOLIDS BY -2011		Metho	d:M2540C		@ 23.5		Analyst: SH
Total Dissolved Solids (Residue Filterable)	, 2,360		5.00	10.0	mg/L	1	21-Oct-2021 15:00
PH BY SM4500H+ B-2011			SM4500H+ B				Analyst: SH
рН	7.57	Н	0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	21.0	Н	0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RA 226		Met	nod:NA				Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RA		Meti	nod:NA				Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-16

Collection Date: 14-Oct-2021 16:43

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-09

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
FERRIC IRON - BY CALCULATION SM3500FED		Method:S	SM3500FED				Analyst: JHD
Ferric Iron	0.178		0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
FERRIC IRON (DISS)- BY CALCULA BY SM3500FED			M3500FED solved)				Analyst: JHD
Ferric Iron, Dissolved	0.190		0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
ICP-MS METALS BY SW6020A		Method	:SW6020A		Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 16:15
Arsenic	0.000417	J	0.000400	0.00200	mg/L	1	28-Oct-2021 16:15
Barium	0.0143		0.00190	0.00400	mg/L	1	28-Oct-2021 16:15
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:15
Boron	1.61		0.110	0.200	mg/L	10	29-Oct-2021 14:42
Cadmium	0.000218	J	0.000200	0.00200	mg/L	1	28-Oct-2021 16:15
Calcium	158		0.0340	0.500	mg/L	1	28-Oct-2021 16:15
Chromium	U		0.000400	0.00400	mg/L	1	28-Oct-2021 16:15
Cobalt	0.000415	J	0.000200	0.00500	mg/L	1	28-Oct-2021 16:15
Iron	0.369		0.0120	0.200	mg/L	1	28-Oct-2021 16:15
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 16:15
Lithium	0.0466		0.00100	0.00500	mg/L	1	28-Oct-2021 16:15
Magnesium	7.38		0.0100	0.200	mg/L	1	28-Oct-2021 16:15
Molybdenum	0.163		0.000600	0.00500	mg/L	1	28-Oct-2021 16:15
Potassium	3.18		0.0180	0.200	mg/L	1	28-Oct-2021 16:15
Selenium	U		0.00110	0.00200	mg/L	1	28-Oct-2021 16:15
Sodium	295		0.140	2.00	mg/L	10	29-Oct-2021 14:42
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:15
DISSOLVED METALS BY SW6020A	Meth	od:SW60	20A (dissolv	/ed)	Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Iron	0.190	J	0.0120	0.200	mg/L	1	27-Oct-2021 19:52
Molybdenum	0.189		0.000600	0.00500	mg/L	1	27-Oct-2021 19:52
MERCURY BY SW7470A		Method:	:SW7470A		Prep:SW7470A /	27-Oct-2021	Analyst: MSC
Mercury	0.000158	J	0.0000300	0.000200	mg/L	1	27-Oct-2021 13:10
ANIONS BY E300.0, REV 2.1, 1993		Metho	od:E300		-		Analyst: YP
Chloride	16.2		0.200	0.500	mg/L	1	16-Oct-2021 14:40
Fluoride	0.964		0.0500	0.100	mg/L	1	16-Oct-2021 14:40
Nitrogen, Nitrate (As N)	U		0.0300	0.100	mg/L	1	16-Oct-2021 14:40
Sulfate	1,110		10.0	25.0	mg/L	50	30-Oct-2021 07:54
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Metho	d:E410.4				Analyst: TH
Chemical Oxygen Demand	7.00	J	5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY SM 2 2011		Method	I:M2510 B				Analyst: MZD
Specific Conductivity	2,340		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-16

Collection Date: 14-Oct-2021 16:43

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-09

Matrix:Water

ANALYSES	RESULT Q	JAL MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL DISSOLVED SOLIDS BY SN -2011	M2540C M	ethod:M2540C				Analyst: SH
Total Dissolved Solids (Residue, Filterable)	1,590	5.00	10.0	mg/L	1	21-Oct-2021 15:00
ALKALINITY BY SM 2320B-2011	Me	ethod:SM2320B				Analyst: TH
Alkalinity, Bicarbonate (As CaCO3)	264	5.00	5.00	mg/L	1	21-Oct-2021 23:44
Alkalinity, Carbonate (As CaCO3)	U	5.00	5.00	mg/L	1	21-Oct-2021 23:44
Alkalinity, Hydroxide (As CaCO3)	U	5.00	5.00	mg/L	1	21-Oct-2021 23:44
Alkalinity, Total (As CaCO3)	264	5.00	5.00	mg/L	1	21-Oct-2021 23:44
FERROUS IRON BY SM3500 FE B	Met	hod:SM3500FED				Analyst: TH
Ferrous Iron	0.191	0.0200	0.0500	mg/L	1	16-Oct-2021 12:30
FERROUS IRON BY SM3500 FE D	Met	hod:SM3500FED (dissolved)				Analyst: AP
Ferrous Iron, Dissolved	U	H 0.0200	0.0500	mg/L	1	27-Oct-2021 20:36
SULFIDE BY SM4500 S2-F-2011	Met	hod:SM4500 S2-F				Analyst: MZD
Sulfide	U	1.00	1.00	mg/L	1	21-Oct-2021 16:45
PH BY SM4500H+ B-2011	Met	hod:SM4500H+ B				Analyst: SH
рН	7.75	H 0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	21.2	Н 0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RADI 226	IUM	Method:NA				Analyst: SUBFC
Subcontract Analysis	See Attached	0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RADI	IUM 228	Method:NA				Analyst: SUBFC
Subcontract Analysis	See Attached	0		NA	1	20-Dec-2021 08:01

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-17

Collection Date: 14-Oct-2021 17:50

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-10

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
FERRIC IRON - BY CALCULATION B SM3500FED	Y N	Method:S	M3500FED				Analyst: JHD
Ferric Iron	U		0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
FERRIC IRON (DISS)- BY CALCULAT BY SM3500FED	ION I		M3500FED solved)				Analyst: JHD
Ferric Iron, Dissolved	U	(0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
ICP-MS METALS BY SW6020A		Method:	SW6020A		Prep:SW3010A / 2	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 16:17
Arsenic	U		0.000400	0.00200	mg/L	1	28-Oct-2021 16:17
Barium	U		0.00190	0.00400	mg/L	1	28-Oct-2021 16:17
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:17
Boron	0.700		0.0110	0.0200	mg/L	1	28-Oct-2021 16:17
Cadmium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:17
Calcium	428		0.340	5.00	mg/L	10	29-Oct-2021 14:44
Chromium	U		0.000400	0.00400	mg/L	1	28-Oct-2021 16:17
Cobalt	0.000275	J	0.000200	0.00500	mg/L	1	28-Oct-2021 16:17
Iron	U		0.0120	0.200	mg/L	1	28-Oct-2021 16:17
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 16:17
Lithium	0.140		0.00100	0.00500	mg/L	1	28-Oct-2021 16:17
Magnesium	34.6		0.0100	0.200	mg/L	1	28-Oct-2021 16:17
Molybdenum	U		0.000600	0.00500	mg/L	1	28-Oct-2021 16:17
Potassium	4.94		0.0180	0.200	mg/L	1	28-Oct-2021 16:17
Selenium	U		0.00110	0.00200	mg/L	1	28-Oct-2021 16:17
Sodium	32.5		0.0140	0.200	mg/L	1	28-Oct-2021 16:17
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:17
DISSOLVED METALS BY SW6020A	Metho	od:SW60	20A (dissolve	d)	Prep:SW3010A / 2	27-Oct-2021	Analyst: JHD
Iron	0.0198	J	0.0120	0.200	mg/L	1	27-Oct-2021 19:54
Molybdenum	U		0.000600	0.00500	mg/L	1	27-Oct-2021 19:54
MERCURY BY SW7470A		Method:	SW7470A		Prep:SW7470A / 2	27-Oct-2021	Analyst: MSC
	0.0000540	J	0.0000300	0.000200	mg/L	1	27-Oct-2021 13:11
ANIONS BY E300.0, REV 2.1, 1993		Metho	od:E300				Analyst: YP
Chloride	4.02		0.400	1.00	mg/L	2	16-Oct-2021 14:47
Fluoride	0.317		0.100	0.200	mg/L	2	16-Oct-2021 14:47
Nitrogen, Nitrate (As N)	U		0.0600	0.200	mg/L	2	16-Oct-2021 14:47
Sulfate	1,390		10.0	25.0	mg/L	50	30-Oct-2021 08:02
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Metho	d:E410.4				Analyst: TH
Chemical Oxygen Demand	7.00	J	5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY SM 25 2011		Method	:M2510 B				Analyst: MZD
Specific Conductivity	2,390		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-17

Collection Date: 14-Oct-2021 17:50

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-10

Matrix:Water

ANALYSES	RESULT Q	JAL M	DL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL DISSOLVED SOLIDS BY SM -2011	W2540C M	ethod:M2540	3				Analyst: SH
Total Dissolved Solids (Residue, Filterable)	2,210	5.	00	10.0	mg/L	1	21-Oct-2021 15:00
ALKALINITY BY SM 2320B-2011	Me	ethod:SM2320	В				Analyst: TH
Alkalinity, Bicarbonate (As CaCO3)	288	5.	00	5.00	mg/L	1	21-Oct-2021 23:50
Alkalinity, Carbonate (As CaCO3)	U	5.	00	5.00	mg/L	1	21-Oct-2021 23:50
Alkalinity, Hydroxide (As CaCO3)	U	5.	00	5.00	mg/L	1	21-Oct-2021 23:50
Alkalinity, Total (As CaCO3)	288	5.	00	5.00	mg/L	1	21-Oct-2021 23:50
FERROUS IRON BY SM3500 FE B	Met	hod:SM3500F	ED				Analyst: TH
Ferrous Iron	U	0.02	00	0.0500	mg/L	1	16-Oct-2021 12:30
FERROUS IRON BY SM3500 FE D	Met	hod:SM3500F (dissolved)	ED				Analyst: AP
Ferrous Iron, Dissolved	U	H 0.02	00	0.0500	mg/L	1	27-Oct-2021 20:36
SULFIDE BY SM4500 S2-F-2011	Meth	nod:SM4500 S	2-F				Analyst: MZI
Sulfide	1.12	1.	00	1.00	mg/L	1	21-Oct-2021 16:45
PH BY SM4500H+ B-2011	Metl	hod:SM4500H	+ B				Analyst: SH
рН	7.12	H 0.1	00	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	22.0	Н	0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RADI 226	IUM	Method:NA					Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RADI	IUM 228	Method:NA					Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:0°

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-18

Collection Date: 14-Oct-2021 19:15

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-11

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
FERRIC IRON - BY CALCULATION E SM3500FED	BY	Method:	SM3500FED				Analyst: JHD
Ferric Iron	U		0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
FERRIC IRON (DISS)- BY CALCULA' BY SM3500FED	TION		SM3500FED solved)				Analyst: JHD
Ferric Iron, Dissolved	U		0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
ICP-MS METALS BY SW6020A		Method	:SW6020A		Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 16:21
Arsenic	0.00299		0.000400	0.00200	mg/L	1	28-Oct-2021 16:21
Barium	0.00283	J	0.00190	0.00400	mg/L	1	28-Oct-2021 16:21
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:21
Boron	4.61		0.110	0.200	mg/L	10	29-Oct-2021 14:46
Cadmium	0.000298	J	0.000200	0.00200	mg/L	1	28-Oct-2021 16:21
Calcium	19.3		0.0340	0.500	mg/L	1	28-Oct-2021 16:21
Chromium	0.000968	J	0.000400	0.00400	mg/L	1	28-Oct-2021 16:21
Cobalt	U		0.000200	0.00500	mg/L	1	28-Oct-2021 16:21
Iron	U		0.0120	0.200	mg/L	1	28-Oct-2021 16:21
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 16:21
Lithium	0.00301	J	0.00100	0.00500	mg/L	1	28-Oct-2021 16:21
Magnesium	0.152	J	0.0100	0.200	mg/L	1	28-Oct-2021 16:21
Molybdenum	0.209		0.000600	0.00500	mg/L	1	28-Oct-2021 16:21
Potassium	15.0		0.0180	0.200	mg/L	1	28-Oct-2021 16:21
Selenium	0.00137	J	0.00110	0.00200	mg/L	1	28-Oct-2021 16:21
Sodium	329		0.140	2.00	mg/L	10	29-Oct-2021 14:46
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:21
DISSOLVED METALS BY SW6020A	Meth	od:SW6	020A (dissol	ved)	Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Iron	U		0.0120	0.200	mg/L	1	27-Oct-2021 19:56
Molybdenum	0.211		0.000600	0.00500	mg/L	1	27-Oct-2021 19:56
MERCURY BY SW7470A		Method	:SW7470A		Prep:SW7470A /	27-Oct-2021	Analyst: MSC
Mercury	0.000247		0.0000300	0.000200	mg/L	1	27-Oct-2021 13:13
ANIONS BY E300.0, REV 2.1, 1993		Meth	od:E300				Analyst: YP
Chloride	4.39		0.200	0.500	mg/L	1	16-Oct-2021 14:55
Fluoride	1.90		0.0500	0.100	mg/L	1	16-Oct-2021 14:55
Nitrogen, Nitrate (As N)	0.0606	J	0.0300	0.100	mg/L	1	16-Oct-2021 14:55
Sulfate	896		10.0	25.0	mg/L	50	30-Oct-2021 08:09
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Metho	d:E410.4	====			Analyst: TH
Chemical Oxygen Demand	9.00	J	5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY SM 2 2011	510B-	Method	d:M2510 B				Analyst: MZD
Specific Conductivity	2,040		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-18

Collection Date: 14-Oct-2021 19:15

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-11

Matrix:Water

ANALYSES	RESULT QU	AL MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL DISSOLVED SOLIDS BY SN -2011	/12540C Me	ethod:M2540C				Analyst: SH
Total Dissolved Solids (Residue, Filterable)	1,320	5.00	10.0	mg/L	1	21-Oct-2021 15:00
ALKALINITY BY SM 2320B-2011	Me	thod:SM2320B				Analyst: TH
Alkalinity, Bicarbonate (As CaCO3)	U	5.00	5.00	mg/L	1	21-Oct-2021 23:57
Alkalinity, Carbonate (As CaCO3)	55.8	5.00	5.00	mg/L	1	21-Oct-2021 23:57
Alkalinity, Hydroxide (As CaCO3)	17.9	5.00	5.00	mg/L	1	21-Oct-2021 23:57
Alkalinity, Total (As CaCO3)	73.8	5.00	5.00	mg/L	1	21-Oct-2021 23:57
FERROUS IRON BY SM3500 FE B	Meth	nod:SM3500FED				Analyst: TH
Ferrous Iron	U	0.0200	0.0500	mg/L	1	16-Oct-2021 12:30
FERROUS IRON BY SM3500 FE D		nod:SM3500FED (dissolved)				Analyst: AP
Ferrous Iron, Dissolved	U	H 0.0200	0.0500	mg/L	1	27-Oct-2021 20:36
SULFIDE BY SM4500 S2-F-2011	Meth	od:SM4500 S2-F				Analyst: MZI
Sulfide	U	1.00	1.00	mg/L	1	21-Oct-2021 16:45
PH BY SM4500H+ B-2011	Meth	od:SM4500H+ B				Analyst: SH
рН	9.95	H 0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	22.7	Н 0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RADII 226	UM	Method:NA				Analyst: SUBFC
Subcontract Analysis S	See Attached	0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RADI	UM 228	Method:NA				Analyst: SUBFC
Subcontract Analysis S	See Attached	0		NA	1	20-Dec-2021 08:01

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-19S

Collection Date: 15-Oct-2021 12:02

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-12

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
FERRIC IRON - BY CALCULATION B SM3500FED	Υ	Method:	SM3500FED				Analyst: JHD
Ferric Iron	U		0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
FERRIC IRON (DISS)- BY CALCULAT BY SM3500FED	ΓΙΟΝ		SM3500FED solved)				Analyst: JHD
Ferric Iron, Dissolved	0.0210	J	0.0200	0.0500	mg/L	1	28-Oct-2021 17:32
ICP-MS METALS BY SW6020A		Method	:SW6020A		Prep:SW3010A / 2	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 16:23
Arsenic	0.00689		0.000400	0.00200	mg/L	1	28-Oct-2021 16:23
Barium	0.0166		0.00190	0.00400	mg/L	1	28-Oct-2021 16:23
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:23
Boron	5.88		0.220	0.400	mg/L	20	29-Oct-2021 14:48
Cadmium	0.000502	J	0.000200	0.00200	mg/L	1	28-Oct-2021 16:23
Calcium	41.6		0.0340	0.500	mg/L	1	28-Oct-2021 16:23
Chromium	0.000930	J	0.000400	0.00400	mg/L	1	28-Oct-2021 16:23
Cobalt	U		0.000200	0.00500	mg/L	1	28-Oct-2021 16:23
Iron	0.0509	J	0.0120	0.200	mg/L	1	28-Oct-2021 16:23
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 16:23
Lithium	0.00150	J	0.00100	0.00500	mg/L	1	28-Oct-2021 16:23
Magnesium	0.0415	J	0.0100	0.200	mg/L	1	28-Oct-2021 16:23
Molybdenum	0.407		0.000600	0.00500	mg/L	1	28-Oct-2021 16:23
Potassium	34.6		0.0180	0.200	mg/L	1	28-Oct-2021 16:23
Selenium	0.0113		0.00110	0.00200	mg/L	1	28-Oct-2021 16:23
Sodium	462		0.280	4.00	mg/L	20	29-Oct-2021 14:48
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:23
DISSOLVED METALS BY SW6020A	Meth	od:SW60	020A (dissolv	ved)	Prep:SW3010A / 2	27-Oct-2021	Analyst: JHD
Iron	0.0210	J	0.0120	0.200	mg/L	1	27-Oct-2021 19:58
Molybdenum	0.440		0.000600	0.00500	mg/L	1	27-Oct-2021 19:58
MERCURY BY SW7470A		Method	:SW7470A		Prep:SW7470A / 2	27-Oct-2021	Analyst: MSC
Mercury	0.000113		0.0000300	0.000200	mg/L	1	27-Oct-2021 13:15
ANIONS BY E300.0, REV 2.1, 1993		Meth	od:E300				Analyst: YP
Chloride	13.6		0.400	1.00	mg/L	2	16-Oct-2021 15:02
Fluoride	1.57		0.100	0.200	mg/L	2	16-Oct-2021 15:02
Nitrogen, Nitrate (As N)	U		0.0600	0.200	mg/L	2	16-Oct-2021 15:02
Sulfate	1,570		10.0	25.0	mg/L	50	30-Oct-2021 08:16
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Metho	d:E410.4				Analyst: TH
Chemical Oxygen Demand	21.0		5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY SM 29 2011			d:M2510 B				Analyst: MZD
Specific Conductivity	3,370		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-19S

Collection Date: 15-Oct-2021 12:02

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-12

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL DISSOLVED SOLIDS BY SM -2011	2540C	Method:	M2540C				Analyst: SH
Total Dissolved Solids (Residue, Filterable)	2,290		5.00	10.0	mg/L	1	21-Oct-2021 15:00
ALKALINITY BY SM 2320B-2011		Method:S	M2320B				Analyst: TH
Alkalinity, Bicarbonate (As CaCO3)	U		5.00	5.00	mg/L	1	22-Oct-2021 00:05
Alkalinity, Carbonate (As CaCO3)	77.3		5.00	5.00	mg/L	1	22-Oct-2021 00:05
Alkalinity, Hydroxide (As CaCO3)	73.0		5.00	5.00	mg/L	1	22-Oct-2021 00:05
Alkalinity, Total (As CaCO3)	150		5.00	5.00	mg/L	1	22-Oct-2021 00:05
FERROUS IRON BY SM3500 FE B	M	lethod:SN	//3500FED				Analyst: TH
Ferrous Iron	0.0450	J	0.0200	0.0500	mg/L	1	16-Oct-2021 12:30
FERROUS IRON BY SM3500 FE D	M	lethod:SN disso)	//3500FED blved)				Analyst: AP
Ferrous Iron, Dissolved	U	H	0.0200	0.0500	mg/L	1	27-Oct-2021 20:36
SULFIDE BY SM4500 S2-F-2011	M	ethod:SN	14500 S2-F				Analyst: MZD
Sulfide	U		1.00	1.00	mg/L	1	21-Oct-2021 16:45
PH BY SM4500H+ B-2011	М	ethod:SN	14500H+ B				Analyst: SH
рН	10.8	Н	0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	22.0	Н	0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RADIU 226	JM	Metho	d:NA				Analyst: SUBFC
Subcontract Analysis S	ee Attached		0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RADIU	JM 228	Metho	d:NA				Analyst: SUBFC
Subcontract Analysis S	ee Attached		0		NA	1	20-Dec-2021 08:01

Client: Altamira

Project: WFEC CCR/Landfill

Sample ID: MW-20

Collection Date: 15-Oct-2021 10:00

ANALYTICAL REPORT

WorkOrder:HS21100884 Lab ID:HS21100884-13

Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		Method:	SW6020A		Prep:SW3010A /	27-Oct-2021	Analyst: JHD
Antimony	U		0.000400	0.00200	mg/L	1	28-Oct-2021 16:27
Arsenic	U		0.000400	0.00200	mg/L	1	28-Oct-2021 16:27
Barium	0.0124		0.00190	0.00400	mg/L	1	28-Oct-2021 16:27
Beryllium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:27
Boron	0.930		0.110	0.200	mg/L	10	29-Oct-2021 14:50
Cadmium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:27
Calcium	325		0.340	5.00	mg/L	10	29-Oct-2021 14:50
Chromium	0.000592	J	0.000400	0.00400	mg/L	1	28-Oct-2021 16:27
Cobalt	0.000234	J	0.000200	0.00500	mg/L	1	28-Oct-2021 16:27
Lead	U		0.000600	0.00200	mg/L	1	28-Oct-2021 16:27
Lithium	0.105		0.00100	0.00500	mg/L	1	28-Oct-2021 16:27
Molybdenum	U		0.000600	0.00500	mg/L	1	28-Oct-2021 16:27
Selenium	U		0.00110	0.00200	mg/L	1	28-Oct-2021 16:27
Thallium	U		0.000200	0.00200	mg/L	1	28-Oct-2021 16:27
MERCURY BY SW7470A		Method:	:SW7470A		Prep:SW7470A /	27-Oct-2021	Analyst: MSC
Mercury	0.000224		0.0000300	0.000200	mg/L	1	27-Oct-2021 13:16
ANIONS BY E300.0, REV 2.1, 199	93	Metho	od:E300				Analyst: YP
Chloride	5.17		0.200	0.500	mg/L	1	16-Oct-2021 15:10
Fluoride	0.264		0.0500	0.100	mg/L	1	16-Oct-2021 15:10
Nitrogen, Nitrate (As N)	0.0434	J	0.0300	0.100	mg/L	1	16-Oct-2021 15:10
Sulfate	1,030		10.0	25.0	mg/L	50	30-Oct-2021 08:24
CHEMICAL OXYGEN DEMAND E E410.4, REV 2.0, 1993	ЗҮ	Metho	d:E410.4				Analyst: TH
Chemical Oxygen Demand	10.0	J	5.00	15.0	mg/L	1	26-Oct-2021 18:30
SPECIFIC CONDUCTANCE BY S 2011		Method	:M2510 B				Analyst: MZD
Specific Conductivity	2,140		5.00	5.00	umhos/cm @ 25.0 °C	1	28-Oct-2021 14:30
TOTAL DISSOLVED SOLIDS BY -2011	SM2540C	Method	I:M2540C		<u>@ 20.0 0</u>		Analyst: SH
Total Dissolved Solids (Residue Filterable)	, 1,850		5.00	10.0	mg/L	1	21-Oct-2021 15:00
PH BY SM4500H+ B-2011		Method:S	M4500H+ B				Analyst: SH
pH	7.94	Н	0.100	0.100	pH Units	1	29-Oct-2021 11:00
Temp Deg C @pH	22.3	Н	0	0	°C	1	29-Oct-2021 11:00
SUBCONTRACT ANALYSIS - RA 226		Meth	od:NA				Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:01
SUBCONTRACT ANALYSIS - RA		Meth	iod:NA				Analyst: SUBFC
Subcontract Analysis	See Attached		0		NA	1	20-Dec-2021 08:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Method: MERCURY PREP BY 7470A- WATER Prep Code: HG_WPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS21100884-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-13		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 171800 **Start Date:** 27 Oct 2021 12:00 **End Date:** 27 Oct 2021 16:00

Method: WATER - SW3010A Prep Code: 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS21100884-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-13		10 (mL)	10 (mL)	1	120 plastic HNO3

Method: DISS METALS PREP - WATER - SW3010A Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS21100884-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS21100884-12		10 (mL)	10 (mL)	1	120 plastic HNO3

Weight / Prep Log

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: 171897 **Start Date:** 26 Oct 2021 09:08 **End Date:**

Method: SAMPLE FILTRATION - 0.45 MICRON FILTER Prep Code: FILTRATION - WET CHEM

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS21100884-02		50 (mL)	50 (mL)	1	500 mL plastic, Neat
HS21100884-03		50 (mL)	50 (mL)	1	500 mL plastic,
HS21100884-06		50 (mL)	50 (mL)	1	Neat 500 mL plastic,
HS21100884-07		50 (mL)	50 (mL)	1	Neat 500 mL plastic,
HS21100884-09		50 (mL)	50 (mL)	1	Neat 500 mL plastic,
HS21100884-10		50 (mL)	50 (mL)	1	Neat 500 mL plastic,
HS21100884-11		50 (mL)	50 (mL)	1	Neat 500 mL plastic,
				I	Neat
HS21100884-12		50 (mL)	50 (mL)	1	500 mL plastic, Neat

Client: Altamira

Project: WFEC CCR/Landfill DATES REPORT

WorkOrder: HS21100884

Batch ID: 171793 (0) Test Name: MERCURY BY SW7470A Matrix: War HS21100884-01 MW-3 13 Oct 2021 18:49 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-02 MW-14A 13 Oct 2021 19:17 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-03 MW-15A 13 Oct 2021 17:03 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-04 MW-21 13 Oct 2021 17:35 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-05 DUP 3 13 Oct 2021 17:35 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-06 MW-5S 14 Oct 2021 15:00 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-07 MW-7S 15 Oct 2021 11:16 27 Oct 2021 07:00 27 Oct 2021 13	ite DF
HS21100884-02 MW-14A 13 Oct 2021 19:17 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-03 MW-15A 13 Oct 2021 17:03 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-04 MW-21 13 Oct 2021 17:35 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-05 DUP 3 13 Oct 2021 17:35 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-06 MW-5S 14 Oct 2021 15:00 27 Oct 2021 07:00 27 Oct 2021 12	er
HS21100884-03 MW-15A 13 Oct 2021 17:03 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-04 MW-21 13 Oct 2021 17:35 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-05 DUP 3 13 Oct 2021 17:35 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-06 MW-5S 14 Oct 2021 15:00 27 Oct 2021 07:00 27 Oct 2021 12	46 1
HS21100884-04 MW-21 13 Oct 2021 17:35 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-05 DUP 3 13 Oct 2021 17:35 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-06 MW-5S 14 Oct 2021 15:00 27 Oct 2021 07:00 27 Oct 2021 12	48 1
HS21100884-05 DUP 3 13 Oct 2021 17:35 27 Oct 2021 07:00 27 Oct 2021 12 HS21100884-06 MW-5S 14 Oct 2021 15:00 27 Oct 2021 07:00 27 Oct 2021 12	50 1
HS21100884-06 MW-5S 14 Oct 2021 15:00 27 Oct 2021 07:00 27 Oct 2021 12	39 1
	51 1
11924400004 07 MW 79 45 Oct 2024 44.46 27 Oct 2024 07.00 27 Oct 2024 42	53 1
HS21100884-07 MW-7S 15 Oct 2021 11:16 27 Oct 2021 07:00 27 Oct 2021 13	06 1
HS21100884-08 MW-13 15 Oct 2021 13:07 27 Oct 2021 07:00 27 Oct 2021 13	08 1
HS21100884-09 MW-16 14 Oct 2021 16:43 27 Oct 2021 07:00 27 Oct 2021 13	10 1
HS21100884-10 MW-17 14 Oct 2021 17:50 27 Oct 2021 07:00 27 Oct 2021 13	11 1
HS21100884-11 MW-18 14 Oct 2021 19:15 27 Oct 2021 07:00 27 Oct 2021 13	13 1
HS21100884-12 MW-19S 15 Oct 2021 12:02 27 Oct 2021 07:00 27 Oct 2021 13	15 1
HS21100884-13 MW-20 15 Oct 2021 10:00 27 Oct 2021 07:00 27 Oct 2021 13	16 1

Client: Altamira

Project: WFEC CCR/Landfill DATES REPORT

WorkOrder: HS21100884

Sample ID	Client Sam	p ID Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 171800	(0)	Test Name : ICP-MS METALS BY SV	V6020A		Matrix: Water	
HS21100884-01	MW-3	13 Oct 2021 18:49		27 Oct 2021 16:00	29 Oct 2021 14:36	10
HS21100884-01	MW-3	13 Oct 2021 18:49		27 Oct 2021 16:00	28 Oct 2021 15:21	1
HS21100884-02	MW-14A	13 Oct 2021 19:17		27 Oct 2021 16:00	29 Oct 2021 14:12	10
HS21100884-02	MW-14A	13 Oct 2021 19:17		27 Oct 2021 16:00	28 Oct 2021 15:23	1
HS21100884-03	MW-15A	13 Oct 2021 17:03		27 Oct 2021 16:00	29 Oct 2021 14:14	10
HS21100884-03	MW-15A	13 Oct 2021 17:03		27 Oct 2021 16:00	28 Oct 2021 15:25	1
HS21100884-04	MW-21	13 Oct 2021 17:35		27 Oct 2021 16:00	29 Oct 2021 16:19	20
HS21100884-04	MW-21	13 Oct 2021 17:35		27 Oct 2021 16:00	28 Oct 2021 15:36	1
HS21100884-05	DUP 3	13 Oct 2021 17:35		27 Oct 2021 16:00	29 Oct 2021 14:22	10
HS21100884-05	DUP 3	13 Oct 2021 17:35		27 Oct 2021 16:00	28 Oct 2021 15:47	1
HS21100884-06	MW-5S	14 Oct 2021 15:00		27 Oct 2021 16:00	29 Oct 2021 14:24	10
HS21100884-06	MW-5S	14 Oct 2021 15:00		27 Oct 2021 16:00	28 Oct 2021 15:49	1
HS21100884-07	MW-7S	15 Oct 2021 11:16		27 Oct 2021 16:00	29 Oct 2021 14:38	10
HS21100884-07	MW-7S	15 Oct 2021 11:16		27 Oct 2021 16:00	28 Oct 2021 15:51	1
HS21100884-08	MW-13	15 Oct 2021 13:07		27 Oct 2021 16:00	29 Oct 2021 14:40	10
HS21100884-08	MW-13	15 Oct 2021 13:07		27 Oct 2021 16:00	28 Oct 2021 16:13	1
HS21100884-09	MW-16	14 Oct 2021 16:43		27 Oct 2021 16:00	29 Oct 2021 14:42	10
HS21100884-09	MW-16	14 Oct 2021 16:43		27 Oct 2021 16:00	28 Oct 2021 16:15	1
HS21100884-10	MW-17	14 Oct 2021 17:50		27 Oct 2021 16:00	29 Oct 2021 14:44	10
HS21100884-10	MW-17	14 Oct 2021 17:50		27 Oct 2021 16:00	28 Oct 2021 16:17	1
HS21100884-11	MW-18	14 Oct 2021 19:15		27 Oct 2021 16:00	29 Oct 2021 14:46	10
HS21100884-11	MW-18	14 Oct 2021 19:15		27 Oct 2021 16:00	28 Oct 2021 16:21	1
HS21100884-12	MW-19S	15 Oct 2021 12:02		27 Oct 2021 16:00	29 Oct 2021 14:48	20
HS21100884-12	MW-19S	15 Oct 2021 12:02		27 Oct 2021 16:00	28 Oct 2021 16:23	1
HS21100884-13	MW-20	15 Oct 2021 10:00		27 Oct 2021 16:00	29 Oct 2021 14:50	10
HS21100884-13	MW-20	15 Oct 2021 10:00		27 Oct 2021 16:00	28 Oct 2021 16:27	1
Batch ID: 171817	(0)	Test Name: DISSOLVED METALS E	BY SW6020A		Matrix: Water	
HS21100884-02	MW-14A	13 Oct 2021 19:17		27 Oct 2021 16:30	27 Oct 2021 19:40	1
HS21100884-03	MW-15A	13 Oct 2021 17:03		27 Oct 2021 16:30	27 Oct 2021 19:45	1
HS21100884-06	MW-5S	14 Oct 2021 15:00		27 Oct 2021 16:30	27 Oct 2021 19:48	1
HS21100884-07	MW-7S	15 Oct 2021 11:16		27 Oct 2021 16:30	27 Oct 2021 19:50	1
HS21100884-09	MW-16	14 Oct 2021 16:43		27 Oct 2021 16:30	27 Oct 2021 19:52	1
HS21100884-10	MW-17	14 Oct 2021 17:50		27 Oct 2021 16:30	27 Oct 2021 19:54	1
HS21100884-11	MW-18	14 Oct 2021 19:15		27 Oct 2021 16:30	27 Oct 2021 19:56	1
HS21100884-12	MW-19S	15 Oct 2021 12:02		27 Oct 2021 16:30	27 Oct 2021 19:58	1

Client: Altamira

Project: WFEC CCR/Landfill DATES REPORT

WorkOrder: HS21100884

Sample ID	Client San	np ID Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R39356	66 (0)	Test Name: FERROUS IRON BY SM	M3500 FE B		Matrix: Water	
HS21100884-06	MW-5S	14 Oct 2021 15:00			16 Oct 2021 12:30	1
HS21100884-07	MW-7S	15 Oct 2021 11:16			16 Oct 2021 12:30	1
HS21100884-09	MW-16	14 Oct 2021 16:43			16 Oct 2021 12:30	1
HS21100884-10	MW-17	14 Oct 2021 17:50			16 Oct 2021 12:30	1
HS21100884-11	MW-18	14 Oct 2021 19:15			16 Oct 2021 12:30	1
HS21100884-12	MW-19S	15 Oct 2021 12:02			16 Oct 2021 12:30	1
Batch ID: R39366	64 (0)	Test Name: ANIONS BY E300.0, RE	EV 2.1, 1993		Matrix: Water	
HS21100884-01	MW-3	13 Oct 2021 18:49			15 Oct 2021 15:07	2
HS21100884-02	MW-14A	13 Oct 2021 19:17			15 Oct 2021 15:15	2
HS21100884-03	MW-15A	13 Oct 2021 17:03			15 Oct 2021 15:22	2
HS21100884-04	MW-21	13 Oct 2021 17:35			15 Oct 2021 15:29	2
HS21100884-05	DUP 3	13 Oct 2021 17:35			15 Oct 2021 15:52	2
Batch ID: R39374	40 (0)	Test Name: FERROUS IRON BY SM	//3500 FE В		Matrix: Water	
HS21100884-02	MW-14A	13 Oct 2021 19:17			15 Oct 2021 15:29	1
HS21100884-03	MW-15A	13 Oct 2021 17:03			15 Oct 2021 15:29	1
Batch ID: R3938	19 (0)	Test Name: SULFIDE BY SM4500 S	S2-F-2011		Matrix: Water	
HS21100884-02	MW-14A	13 Oct 2021 19:17			20 Oct 2021 12:50	1
HS21100884-03	MW-15A	13 Oct 2021 17:03			20 Oct 2021 12:50	1
Batch ID: R39392	22 (0)	Test Name: TOTAL DISSOLVED SO	OLIDS BY SM2540C	-2011	Matrix: Water	
HS21100884-01	MW-3	13 Oct 2021 18:49			20 Oct 2021 20:00	1
HS21100884-02	MW-14A	13 Oct 2021 19:17			20 Oct 2021 20:00	1
HS21100884-03	MW-15A	13 Oct 2021 17:03			20 Oct 2021 20:00	1
HS21100884-04	MW-21	13 Oct 2021 17:35			20 Oct 2021 20:00	1
HS21100884-05	DUP 3	13 Oct 2021 17:35			20 Oct 2021 20:00	1
HS21100884-06	MW-5S	14 Oct 2021 15:00			20 Oct 2021 20:00	1
Batch ID: R3939	72 (0)	Test Name: ALKALINITY BY SM 23	20B-2011		Matrix: Water	
HS21100884-02	MW-14A	13 Oct 2021 19:17			21 Oct 2021 23:12	1
HS21100884-03	MW-15A	13 Oct 2021 17:03			21 Oct 2021 23:24	1
HS21100884-06	MW-5S	14 Oct 2021 15:00			21 Oct 2021 23:31	1
HS21100884-07	MW-7S	15 Oct 2021 11:16			21 Oct 2021 23:38	1
HS21100884-09	MW-16	14 Oct 2021 16:43			21 Oct 2021 23:44	1
HS21100884-10	MW-17	14 Oct 2021 17:50			21 Oct 2021 23:50	1
HS21100884-11	MW-18	14 Oct 2021 19:15			21 Oct 2021 23:57	1
HS21100884-12	MW-19S	15 Oct 2021 12:02			22 Oct 2021 00:05	1

Client: Altamira

Project: WFEC CCR/Landfill DATES REPORT

WorkOrder: HS21100884

Sample ID	Client Sam	p ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R39398	88 (0)	Test Name :	SULFIDE BY SM4500 S	S2-F-2011		Matrix: Water	
HS21100884-06	MW-5S		14 Oct 2021 15:00			21 Oct 2021 16:45	1
HS21100884-07	MW-7S		15 Oct 2021 11:16			21 Oct 2021 16:45	1
HS21100884-09	MW-16		14 Oct 2021 16:43			21 Oct 2021 16:45	1
HS21100884-10	MW-17		14 Oct 2021 17:50			21 Oct 2021 16:45	1
HS21100884-11	MW-18		14 Oct 2021 19:15			21 Oct 2021 16:45	1
HS21100884-12	MW-19S		15 Oct 2021 12:02			21 Oct 2021 16:45	1
Batch ID: R39402	8 (0)	Test Name :	TOTAL DISSOLVED SO	OLIDS BY SM2540C-2	011	Matrix: Water	
HS21100884-07	MW-7S		15 Oct 2021 11:16			21 Oct 2021 15:00	1
HS21100884-08	MW-13		15 Oct 2021 13:07			21 Oct 2021 15:00	1
HS21100884-09	MW-16		14 Oct 2021 16:43			21 Oct 2021 15:00	1
HS21100884-10	MW-17		14 Oct 2021 17:50			21 Oct 2021 15:00	1
HS21100884-11	MW-18		14 Oct 2021 19:15			21 Oct 2021 15:00	1
HS21100884-12	MW-19S		15 Oct 2021 12:02			21 Oct 2021 15:00	1
HS21100884-13	MW-20		15 Oct 2021 10:00			21 Oct 2021 15:00	1
Batch ID: R39425	62 (0)	Test Name :	CHEMICAL OXYGEN D	DEMAND BY E410.4, F	REV 2.0, 1993	Matrix: Water	
HS21100884-01	MW-3		13 Oct 2021 18:49			26 Oct 2021 18:30	1
HS21100884-02	MW-14A		13 Oct 2021 19:17			26 Oct 2021 18:30	1
HS21100884-03	MW-15A		13 Oct 2021 17:03			26 Oct 2021 18:30	1
HS21100884-04	MW-21		13 Oct 2021 17:35			26 Oct 2021 18:30	1
HS21100884-05	DUP 3		13 Oct 2021 17:35			26 Oct 2021 18:30	1
HS21100884-06	MW-5S		14 Oct 2021 15:00			26 Oct 2021 18:30	1
HS21100884-07	MW-7S		15 Oct 2021 11:16			26 Oct 2021 18:30	1
HS21100884-08	MW-13		15 Oct 2021 13:07			26 Oct 2021 18:30	1
HS21100884-09	MW-16		14 Oct 2021 16:43			26 Oct 2021 18:30	1
HS21100884-10	MW-17		14 Oct 2021 17:50			26 Oct 2021 18:30	1
HS21100884-11	MW-18		14 Oct 2021 19:15			26 Oct 2021 18:30	1
HS21100884-12	MW-19S		15 Oct 2021 12:02			26 Oct 2021 18:30	1
HS21100884-13	MW-20		15 Oct 2021 10:00			26 Oct 2021 18:30	1
Batch ID: R39441	2(0)	Test Name :	ANIONS BY E300.0, RE	EV 2.1, 1993		Matrix: Water	
HS21100884-06	MW-5S		14 Oct 2021 15:00			16 Oct 2021 13:18	1
HS21100884-07	MW-7S		15 Oct 2021 11:16			16 Oct 2021 13:40	1
HS21100884-08	MW-13		15 Oct 2021 13:07			16 Oct 2021 14:03	1
HS21100884-09	MW-16		14 Oct 2021 16:43			16 Oct 2021 14:40	1
HS21100884-10	MW-17		14 Oct 2021 17:50			16 Oct 2021 14:47	2
HS21100884-11	MW-18		14 Oct 2021 19:15			16 Oct 2021 14:55	1
HS21100884-12	MW-19S		15 Oct 2021 12:02			16 Oct 2021 15:02	2
HS21100884-13	MW-20		15 Oct 2021 10:00			16 Oct 2021 15:10	1

Client: Altamira

Project: WFEC CCR/Landfill DATES REPORT

WorkOrder: HS21100884

Sample ID	Client Sam	p ID Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R3944	21 (0)	Test Name: SPECIFIC CONDUCTA	NCE BY SM 2510B-2	2011	Matrix: Water	
HS21100884-01	MW-3	13 Oct 2021 18:49			28 Oct 2021 14:30	1
HS21100884-02	MW-14A	13 Oct 2021 19:17			28 Oct 2021 14:30	1
HS21100884-03	MW-15A	13 Oct 2021 17:03			28 Oct 2021 14:30	1
HS21100884-04	MW-21	13 Oct 2021 17:35			28 Oct 2021 14:30	1
HS21100884-05	DUP 3	13 Oct 2021 17:35			28 Oct 2021 14:30	1
HS21100884-06	MW-5S	14 Oct 2021 15:00			28 Oct 2021 14:30	1
HS21100884-07	MW-7S	15 Oct 2021 11:16			28 Oct 2021 14:30	1
HS21100884-08	MW-13	15 Oct 2021 13:07			28 Oct 2021 14:30	1
HS21100884-09	MW-16	14 Oct 2021 16:43			28 Oct 2021 14:30	1
HS21100884-10	MW-17	14 Oct 2021 17:50			28 Oct 2021 14:30	1
HS21100884-11	MW-18	14 Oct 2021 19:15			28 Oct 2021 14:30	1
HS21100884-12	MW-19S	15 Oct 2021 12:02			28 Oct 2021 14:30	1
HS21100884-13	MW-20	15 Oct 2021 10:00			28 Oct 2021 14:30	1
Batch ID: R3944	34 (0)	Test Name: FERROUS IRON BY SM	И3500 FE D		Matrix: Water	
HS21100884-02	MW-14A	13 Oct 2021 19:17			27 Oct 2021 20:36	1
HS21100884-03	MW-15A	13 Oct 2021 17:03			27 Oct 2021 20:36	1
HS21100884-06	MW-5S	14 Oct 2021 15:00			27 Oct 2021 20:36	1
HS21100884-07	MW-7S	15 Oct 2021 11:16			27 Oct 2021 20:36	1
HS21100884-09	MW-16	14 Oct 2021 16:43			27 Oct 2021 20:36	1
HS21100884-10	MW-17	14 Oct 2021 17:50			27 Oct 2021 20:36	1
HS21100884-11	MW-18	14 Oct 2021 19:15			27 Oct 2021 20:36	1
HS21100884-12	MW-19S	15 Oct 2021 12:02			27 Oct 2021 20:36	1
Batch ID: R3944	54 (0)	Test Name : FERRIC IRON - BY CAI	LCULATION BY SM3	500FED	Matrix: Water	
HS21100884-02	MW-14A	13 Oct 2021 19:17			28 Oct 2021 17:32	1
HS21100884-03	MW-15A	13 Oct 2021 17:03			28 Oct 2021 17:32	1
HS21100884-06	MW-5S	14 Oct 2021 15:00			28 Oct 2021 17:32	1
HS21100884-07	MW-7S	15 Oct 2021 11:16			28 Oct 2021 17:32	1
HS21100884-09	MW-16	14 Oct 2021 16:43			28 Oct 2021 17:32	1
HS21100884-10	MW-17	14 Oct 2021 17:50			28 Oct 2021 17:32	1
HS21100884-11	MW-18	14 Oct 2021 19:15			28 Oct 2021 17:32	1
HS21100884-12	MW-19S	15 Oct 2021 12:02			28 Oct 2021 17:32	1

Client: Altamira

Project: WFEC CCR/Landfill DATES REPORT

WorkOrder: HS21100884

Sample ID	Client Sam	p ID Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R39445	55 (0)	Test Name: FERRIC IRON (DIS	S)- BY CALCULATION BY	/ SM3500FED	Matrix: Water	
HS21100884-02	MW-14A	13 Oct 2021 19:1	7		28 Oct 2021 17:32	1
HS21100884-03	MW-15A	13 Oct 2021 17:0)3		28 Oct 2021 17:32	1
HS21100884-06	MW-5S	14 Oct 2021 15:0	00		28 Oct 2021 17:32	1
HS21100884-07	MW-7S	15 Oct 2021 11:1	6		28 Oct 2021 17:32	1
HS21100884-09	MW-16	14 Oct 2021 16:4	3		28 Oct 2021 17:32	1
HS21100884-10	MW-17	14 Oct 2021 17:5	50		28 Oct 2021 17:32	1
HS21100884-11	MW-18	14 Oct 2021 19:1	5		28 Oct 2021 17:32	1
HS21100884-12	MW-19S	15 Oct 2021 12:0	2		28 Oct 2021 17:32	1
Batch ID: R39450	9(0)	Test Name: PH BY SM4500H+ B	3-2011		Matrix: Water	
HS21100884-01	MW-3	13 Oct 2021 18:4	.9		29 Oct 2021 11:00	1
HS21100884-02	MW-14A	13 Oct 2021 19:1	7		29 Oct 2021 11:00	1
HS21100884-03	MW-15A	13 Oct 2021 17:0	03		29 Oct 2021 11:00	1
HS21100884-04	MW-21	13 Oct 2021 17:3	35		29 Oct 2021 11:00	1
HS21100884-05	DUP 3	13 Oct 2021 17:3	35		29 Oct 2021 11:00	1
HS21100884-06	MW-5S	14 Oct 2021 15:0	00		29 Oct 2021 11:00	1
HS21100884-07	MW-7S	15 Oct 2021 11:1	6		29 Oct 2021 11:00	1
HS21100884-08	MW-13	15 Oct 2021 13:0	7		29 Oct 2021 11:00	1
HS21100884-09	MW-16	14 Oct 2021 16:4	3		29 Oct 2021 11:00	1
HS21100884-10	MW-17	14 Oct 2021 17:5	50		29 Oct 2021 11:00	1
HS21100884-11	MW-18	14 Oct 2021 19:1	5		29 Oct 2021 11:00	1
HS21100884-12	MW-19S	15 Oct 2021 12:0	2		29 Oct 2021 11:00	1
HS21100884-13	MW-20	15 Oct 2021 10:0	00		29 Oct 2021 11:00	1
Batch ID: R39457	78 (0)	Test Name: ANIONS BY E300.0	, REV 2.1, 1993		Matrix: Water	
HS21100884-01	MW-3	13 Oct 2021 18:4	9		30 Oct 2021 06:40	50
HS21100884-02	MW-14A	13 Oct 2021 19:1	7		30 Oct 2021 06:48	50
HS21100884-03	MW-15A	13 Oct 2021 17:0	03		30 Oct 2021 06:55	50
HS21100884-04	MW-21	13 Oct 2021 17:3	35		30 Oct 2021 07:02	50
HS21100884-05	DUP 3	13 Oct 2021 17:3	35		30 Oct 2021 07:10	50
HS21100884-06	MW-5S	14 Oct 2021 15:0	00		30 Oct 2021 07:17	20
HS21100884-07	MW-7S	15 Oct 2021 11:1	6		30 Oct 2021 07:39	20
HS21100884-08	MW-13	15 Oct 2021 13:0	7		30 Oct 2021 07:47	50
HS21100884-09	MW-16	14 Oct 2021 16:4	3		30 Oct 2021 07:54	50
HS21100884-10	MW-17	14 Oct 2021 17:5	50		30 Oct 2021 08:02	50
HS21100884-11	MW-18	14 Oct 2021 19:1	5		30 Oct 2021 08:09	50
HS21100884-12	MW-19S	15 Oct 2021 12:0	2		30 Oct 2021 08:16	50
HS21100884-13	MW-20	15 Oct 2021 10:0	00		30 Oct 2021 08:24	50

Client: Altamira

Project: WFEC CCR/Landfill DATES REPORT

WorkOrder: HS21100884

Sample ID	Client Sam	np ID Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R39795	64 (0)	Test Name: SUBCONTRACT ANAL	YSIS - RADIUM 228		Matrix: Water	
HS21100884-01	MW-3	13 Oct 2021 18:49			20 Dec 2021 08:01	1
HS21100884-01	MW-3	13 Oct 2021 18:49			20 Dec 2021 08:01	1
HS21100884-02	MW-14A	13 Oct 2021 19:17			20 Dec 2021 08:01	1
HS21100884-02	MW-14A	13 Oct 2021 19:17			20 Dec 2021 08:01	1
HS21100884-03	MW-15A	13 Oct 2021 17:03			20 Dec 2021 08:01	1
HS21100884-03	MW-15A	13 Oct 2021 17:03			20 Dec 2021 08:01	1
HS21100884-04	MW-21	13 Oct 2021 17:35			20 Dec 2021 08:01	1
HS21100884-04	MW-21	13 Oct 2021 17:35			20 Dec 2021 08:01	1
HS21100884-05	DUP 3	13 Oct 2021 17:35			20 Dec 2021 08:01	1
HS21100884-05	DUP 3	13 Oct 2021 17:35			20 Dec 2021 08:01	1
HS21100884-06	MW-5S	14 Oct 2021 15:00			20 Dec 2021 08:01	1
HS21100884-06	MW-5S	14 Oct 2021 15:00			20 Dec 2021 08:01	1
HS21100884-07	MW-7S	15 Oct 2021 11:16			20 Dec 2021 08:01	1
HS21100884-07	MW-7S	15 Oct 2021 11:16			20 Dec 2021 08:01	1
HS21100884-08	MW-13	15 Oct 2021 13:07			20 Dec 2021 08:01	1
HS21100884-08	MW-13	15 Oct 2021 13:07			20 Dec 2021 08:01	1
HS21100884-09	MW-16	14 Oct 2021 16:43			20 Dec 2021 08:01	1
HS21100884-09	MW-16	14 Oct 2021 16:43			20 Dec 2021 08:01	1
HS21100884-10	MW-17	14 Oct 2021 17:50			20 Dec 2021 08:01	1
HS21100884-10	MW-17	14 Oct 2021 17:50			20 Dec 2021 08:01	1
HS21100884-11	MW-18	14 Oct 2021 19:15			20 Dec 2021 08:01	1
HS21100884-11	MW-18	14 Oct 2021 19:15			20 Dec 2021 08:01	1
HS21100884-12	MW-19S	15 Oct 2021 12:02			20 Dec 2021 08:01	1
HS21100884-12	MW-19S	15 Oct 2021 12:02			20 Dec 2021 08:01	1
HS21100884-13	MW-20	15 Oct 2021 10:00			20 Dec 2021 08:01	1
HS21100884-13	MW-20	15 Oct 2021 10:00			20 Dec 2021 08:01	1

Revision: 2

QC BATCH REPORT

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID:	171793 (0)	Instrument:	HG03	Method:	MERCURY BY SW7470A	
MBLK Client ID:	Sample ID:	MBLKF1-171793 Run ID: HG (mg/L A SeqNo: 6340463	nalysis Date: 27-Oct-2021 PrepDate: 27-Oct-2021	
Analyte		Result PQL	_	SPK Ref Value %REC	Control RPD Ref	RPD %RPD Limit Qual
Mercury		U 0.000200				
MBLK Client ID:	Sample ID:	MBLK-171793 Run ID: HG (mg/L A SeqNo: 6340460	nalysis Date: 27-Oct-2021 PrepDate: 27-Oct-2021	
Analyte		Result PQL	SPK Val	SPK Ref Value %REC	Control RPD Ref Limit Value	RPD %RPD Limit Qual
Mercury		U 0.000200				
LCS Client ID:	Sample ID:	LCS-171793 Run ID: HG 0		mg/L A SeqNo: 6340464 SPK Ref	nalysis Date: 27-Oct-2021 PrepDate: 27-Oct-2021 Control RPD Ref	
Analyte		Result PQL	SPK Val	Value %REC		%RPD Limit Qual
Mercury		0.00579 0.000200	0.005	0 116	80 - 120	
MS Client ID: Analyte	Sample ID: MW-21	HS21100884-04MS Run ID: HG0 Result PQL	03_394267	mg/L A SeqNo: 6340466 SPK Ref Value %REC	nalysis Date: 27-Oct-2021 PrepDate: 27-Oct-2021 Control RPD Ref Limit Value	
Mercury		0.00577 0.000200	0.005	0.000021 115	5 75 - 125	
MSD Client ID: Analyte	Sample ID:	HS21100884-04MSD Run ID: HG0 Result PQL	03_394267	mg/L A SeqNo: 6340467 SPK Ref Value %REC	Control RPD Ref	
Mercury The following	g samples were analyze	0.00607 0.000200 ed in this batch: HS21100884-01 HS21100884-05 HS21100884-09 HS21100884-13	0.005 HS2110088 HS2110088 HS2110088	34-06 HS21100	0884-03 HS21100884 0884-07 HS21100884	-04 -08

QC BATCH REPORT

Client: Altamira

Thallium

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: 171800 (0) ICPMS06 Method: ICP-MS METALS BY SW6020A Instrument: **MBLK** Sample ID: MBLK-171800 Units: mg/L Analysis Date: 28-Oct-2021 15:17 Client ID: Run ID: ICPMS06_394433 SeqNo: 6343749 PrepDate: 27-Oct-2021 RPD Ref SPK Ref Control **RPD** Analyte Result **PQL** SPK Val Value %REC Limit Value %RPD Limit Qual Antimony U 0.00200 Arsenic U 0.00200 U Barium 0.00400 Beryllium U 0.00200 Boron U 0.0200 Cadmium U 0.00200 Calcium U 0.500 Chromium U 0.00400 0.00500 Cobalt U U Iron 0.200 U 0.00200 Lead Lithium U 0.00500 Magnesium U 0.200 Molybdenum U 0.00500 Potassium U 0.200 Selenium U 0.00200 Sodium U 0.200

U

0.00200

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: 1718	300 (0)	Ins	trument: I	CPMS06	Me	ethod: I	CP-MS META	ALS BY SWE	6020A
LCS	Sample ID:	LCS-171800		Units:	mg/L	Ana	alysis Date:	28-Oct-2021	15:19
Client ID:		F	Run ID: ICPM	S06_394433	SeqNo: 6	343750	PrepDate:	27-Oct-2021	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Antimony		0.05	0.00200	0.05	0	100	80 - 120		
Arsenic		0.051	0.00200	0.05	0	102	80 - 120		
Barium		0.04925	0.00400	0.05	0	98.5	80 - 120		
Beryllium		0.0499	0.00200	0.05	0	99.8	80 - 120		
Cadmium		0.05166	0.00200	0.05	0	103	80 - 120		
Calcium		4.81	0.500	5	0	96.2	80 - 120		
Chromium		0.0509	0.00400	0.05	0	102	80 - 120		
Cobalt		0.0505	0.00500	0.05	0	101	80 - 120		
Iron		4.845	0.200	5	0	96.9	80 - 120		
Lead		0.04963	0.00200	0.05	0	99.3	80 - 120		
Magnesium		4.986	0.200	5	0	99.7	80 - 120		
Molybdenum		0.04913	0.00500	0.05	0	98.3	80 - 120		
Potassium		4.981	0.200	5	0	99.6	80 - 120		
Selenium		0.05297	0.00200	0.05	0	106	80 - 120		
Sodium		4.915	0.200	5	0	98.3	80 - 120		
Thallium		0.04976	0.00200	0.05	0	99.5	80 - 120		
LCS	Sample ID:	LCS-171800		Units:	mg/L	Ana	alysis Date:	29-Oct-2021	13:41
Client ID:		F	Run ID: ICPM	S06_394530	SeqNo: 6	345985	PrepDate:	27-Oct-2021	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Boron		0.4303	0.0200	0.5	0	86.1	80 - 120		
Lithium		0.08772	0.00500	0.1	0	87.7	80 - 120		

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Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID:	171800 (0)	Insti	rument:	ICPMS06	Me	ethod: I	CP-MS MET	ALS BY SWE	6020A
мѕ	Sample ID:	HS21100884-04MS	3	Units:	mg/L	Ana	alysis Date:	28-Oct-2021	15:40
Client ID:	MW-21	Ru	un ID: ICPN	IS06_394433	SeqNo: 6	343940	PrepDate:	27-Oct-2021	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Antimony		0.05068	0.00200	0.05	0.000016	101	80 - 120		
Arsenic		0.05516	0.00200	0.05	0.000539	109	80 - 120		
Barium		0.06203	0.00400	0.05	0.01017	104	80 - 120		
Beryllium		0.0494	0.00200	0.05	0.000015	98.8	80 - 120		
Cadmium		0.05285	0.00200	0.05	0.00001	106	80 - 120		
Calcium		141.2	0.500	5	128.3	260	80 - 120		SO
Chromium		0.05086	0.00400	0.05	0.000288	101	80 - 120		
Cobalt		0.05087	0.00500	0.05	0.000126	101	80 - 120		
Iron		4.876	0.200	5	0.01204	97.3	80 - 120		
Lead		0.05022	0.00200	0.05	0.000026	100	80 - 120		
Magnesium		47.84	0.200	5	40.29	151	80 - 120		so
Molybdenur	n	0.0535	0.00500	0.05	0.000677	106	80 - 120		
Potassium		14.38	0.200	5	8.883	110	80 - 120		
Selenium		0.0554	0.00200	0.05	0.000411	110	80 - 120		
Sodium		579.1	0.200	5	532.8	927	80 - 120		SEO
Thallium		0.04766	0.00200	0.05	0.000014	95.3	80 - 120		
MS	Sample ID:	HS21100884-04MS	3	Units:	mg/L	Ana	alysis Date:	29-Oct-2021	13:45
Client ID:	MW-21	Ru	un ID: ICPN	IS06_394530	SeqNo: 6	345986	PrepDate:	27-Oct-2021	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Boron		2.772	0.0200	0.5	2.239	107	80 - 120		EO
Lithium		0.2152	0.00500	0.1	0.1252	90.0	80 - 120		E

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID:	171800 (0)		Instrumen	t: IC	CPMS06	M	ethod: I	CP-MS MET	ALS BY SW6	020A		
MSD	Samp	ole ID: HS21100884-	04MSD		Units:	mg/L	Ana	alysis Date:	28-Oct-2021	15:44		
Client ID:	MW-21		Run ID:	ICPMS	306_394433	SeqNo: 6	343942	PrepDate:	27-Oct-2021	DF: 1		
Analyte		Resu	ilt	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	R %RPD Li	PD mit (Qual
Antimony		0.049	21 0.0	0200	0.05	0.000016	98.4	80 - 120	0.05068	2.94	20	
Arsenic		0.05	36 0.0	0200	0.05	0.000539	106	80 - 120	0.05516	2.85	20	
Barium		0.059	77 0.0	0400	0.05	0.01017	99.2	80 - 120	0.06203	3.71	20	
Beryllium		0.046	0.0	0200	0.05	0.000015	92.0	80 - 120	0.0494	7.05	20	
Cadmium		0.049	31 0.0	0200	0.05	0.00001	98.6	80 - 120	0.05285	6.92	20	
Calcium		135	5.6).500	5	128.3	147	80 - 120	141.2	4.09	20	SO
Chromium		0.049	66 0.0	0400	0.05	0.000288	98.7	80 - 120	0.05086	2.4	20	
Cobalt		0.04	93 0.0	0500	0.05	0.000126	98.3	80 - 120	0.05087	3.13	20	
Iron		4.8	41 0	0.200	5	0.01204	96.6	80 - 120	4.876	0.717	20	
Lead		0.048	32 0.0	0200	0.05	0.000026	96.6	80 - 120	0.05022	3.86	20	
Magnesium	1	46.	34 0	0.200	5	40.29	121	80 - 120	47.84	3.19	20	SO
Molybdenui	m	0.05	05 0.0	0500	0.05	0.000677	99.6	80 - 120	0.0535	5.78	20	
Potassium		13.	83 0	0.200	5	8.883	98.9	80 - 120	14.38	3.95	20	
Selenium		0.053	88 0.0	0200	0.05	0.000411	107	80 - 120	0.0554	2.78	20	
Sodium		5	61 0	0.200	5	532.8	565	80 - 120	579.1	3.18	20	SEO
Thallium		0.045	25 0.0	0200	0.05	0.000014	90.5	80 - 120	0.04766	5.18	20	
MSD	Samp	ole ID: HS21100884 -	04MSD		Units:	mg/L	Ana	alysis Date:	29-Oct-2021	13:47		
Client ID:	MW-21		Run ID:	ICPMS	306_394530	SeqNo: 6	345987	PrepDate:	27-Oct-2021	DF: 1		
Analyte		Resu	ılt	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	R %RPD Li	PD mit (Qual
Boron		2.6	71 0.	0200	0.5	2.239	86.4	80 - 120	2.772	3.72	20	EO
Lithium		0.20	94 0.0	0500	0.1	0.1252	84.3	80 - 120	0.2152	2.71	20	Е
PDS	Samp	ole ID: HS21100884 -	04PDS		Units:	mg/L	Ana	alysis Date:	29-Oct-2021	16:25		
Client ID:	MW-21		Run ID:	ICPMS	306_394530	SeqNo: 6	346162	PrepDate:	27-Oct-2021	DF: 2	0	
Analyte		Resu	ılt	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	R %RPD Li	PD mit (Qual
Boron		7.9	06 0	0.400	5	2.533	107	75 - 125				—
Sodium		755	5.2	4.00	200	565.7	94.7	75 - 125				

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: 17	1800 (0)	Instr	ument:	ICPMS06	M	lethod: I	CP-MS MET	ALS BY SW6	020A		
PDS	Sample ID:	HS21100884-04PD	S	Units:	mg/L	Ana	alysis Date:	28-Oct-2021	15:46		
Client ID: MV	N-21	Ru	n ID: ICPN	IS06_394433	SeqNo: (6343943	PrepDate:	27-Oct-2021	DF	:1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit C	Qual
Calcium		139.7	0.500	10	128.3	115	75 - 125				
Magnesium		54.42	0.200	10	40.29	141	75 - 125				S
SD	Sample ID:	HS21100884-04SD		Units:	mg/L	Ana	alysis Date:	28-Oct-2021	15:38		
Client ID: MV	N-21	Ru	n ID: ICPN	IS06_394433	SeqNo: (6343939	PrepDate:	27-Oct-2021	DF	5	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit C	Qual
Antimony		U	0.0100					0.000016		0 10	
Arsenic		U	0.0100					0.000539		0 10	
Barium		0.01086	0.0200					0.01017		0 10	
Beryllium		U	0.0100					0.000015		0 10	
Cadmium		U	0.0100					0.00001		0 10	
Calcium		125.7	2.50					128.3		2 10	
Chromium		U	0.0200					0.000288		0 10	
Cobalt		U	0.0250					0.000126		0 10	
Iron		U	1.00					0.01204		0 10	
Lead		U	0.0100					0.000026		0 10	
Lithium		0.1341	0.0250					0.1252		5 10	
Magnesium		41.6	1.00					40.29	3.2	6 10	
Molybdenum		U	0.0250					0.000677		0 10	
Potassium		9.223	1.00					8.883	3.8	3 10	
Selenium		U	0.0100					0.000411		0 10	
Thallium		U	0.0100					0.000014		0 10	
SD	Sample ID:	HS21100884-04SD		Units:	mg/L	Ana	alysis Date:	29-Oct-2021	16:23		
Client ID: M\	W-21	Ru	n ID: ICPN	IS06_394530	SeqNo: (6346161	PrepDate:	27-Oct-2021	DF	100	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit G	Qual
Boron		2.71	2.00					2.533	6.9	8 10	
Sodium		527.2	20.0					565.7	6.	8 10	
The following sa	mples were analyze	HS211	00884-01 00884-05 00884-09 00884-13	HS2110088 HS2110088 HS2110088	84-06	HS211008 HS211008 HS211008	84-07	HS21100884 HS21100884 HS21100884	-08		

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID:	171817 (0)	Ins	strument:	ICPMS06	Me	ethod:	DISSOLVED (DISSOLVED	METALS BY	SW6020A
MBLK	Sample ID:	MBLK-171817		Units:	mg/L	Ar	nalysis Date:	27-Oct-2021	18:22
Client ID:		I	Run ID: ICF	MS06_394320	SeqNo: 6	341637	PrepDate:	27-Oct-2021	DF: 1
Analyte		Result	PQL	. SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Iron		U	0.200)					
Molybdenun	า	U	0.00500						
LCS	Sample ID:	LCS-171817		Units:	mg/L	Ar	nalysis Date:	27-Oct-2021	18:24
Client ID:		1	Run ID: ICF	MS06_394320	SeqNo: 6	341638	PrepDate:	27-Oct-2021	DF: 1
Analyte		Result	PQL	. SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Iron		4.966	0.200	5	0	99.3	80 - 120		
Molybdenun	1	0.04967	0.00500	0.05	0	99.4	80 - 120		
MS	Sample ID:	HS21100769-09N	ıs	Units:	mg/L	Ar	nalysis Date:	27-Oct-2021	19:11
Client ID:		1	Run ID: ICF	MS06_394320	SeqNo: 63	341657	PrepDate:	27-Oct-2021	DF: 1
Analyte		Result	PQL	. SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Iron		6.128	0.200	5	1.004	102	75 - 125		
Molybdenun	า	0.05395	0.00500	0.05	0.03278	42.4	75 - 125		S
MSD	Sample ID:	HS21100769-09N	ISD	Units:	mg/L	Ar	nalysis Date:	27-Oct-2021	19:13
Client ID:		I	Run ID: ICF	MS06_394320	SeqNo: 6	341658	PrepDate:	27-Oct-2021	DF: 1
Analyte		Result	PQL	. SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Iron		6.115	0.200	5	1.004	102	75 - 125	6.128	0.218 20
Molybdenun	1	0.05302	0.00500	0.05	0.03278	40.5	75 - 125	0.05395	1.75 20 S
PDS	Sample ID:	HS21100769-09F	DS	Units:	mg/L	Ar	nalysis Date:	27-Oct-2021	19:15
Client ID:		I	Run ID: ICF	MS06_394320	SeqNo: 6	341659	PrepDate:	27-Oct-2021	DF: 1
Analyte		Result	PQL	. SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Molybdenun	1	0.1307	0.00500	0.1	0.03278	97.9	75 - 125		

QC BATCH REPORT

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: 171817 (0) Instrument: ICPMS06 Method: DISSOLVED METALS BY SW6020A

(DISSOLVED)

SD Sample ID: HS21100769-09SD Units: mg/L Analysis Date: 27-Oct-2021 19:09

Client ID: Run ID: ICPMS06_394320 SeqNo: 6341656 PrepDate: 27-Oct-2021 DF: 5

SPK Ref Control RPD Ref %D

Analyte Result PQL SPK Val Value %REC Limit Value %D Limit Qual

Iron 1.041 1.00 1.004 3.62 10

Molybdenum 0.03191 0.0250 0.03278 2.64 10

The following samples were analyzed in this batch: HS21100884-02 HS21100884-03 HS21100884-06 HS21100884-07 HS21100884-09 HS21100884-10 HS21100884-11 HS21100884-12

Client: Altamira

Project:

WorkOrder: HS21100884

QC BATCH REPORT WFEC CCR/Landfill

Batch ID:	R393566 (0)	Ins	trument:	UV-2450	Me	ethod: F	ERROUS IR	RON BY SM3	500 FE B
MBLK	Sample ID:	MBLK-R393566		Units:	mg/L	Ana	alysis Date:	16-Oct-2021	12:30
Client ID:		F	Run ID: UV	-2450_393566	SeqNo: 6	322634	PrepDate:		DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Ferrous Iro	n	U	0.0500)			80 - 120		
LCS	Sample ID:	LCS-R393566		Units:	mg/L	Ana	alysis Date:	16-Oct-2021	12:30
Client ID:		F	Run ID: UV	-2450_393566	SeqNo: 6	322633	PrepDate:		DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Ferrous Iron	n	0.25	0.0500	0.25	0	100	80 - 120		
MS	Sample ID:	HS21100884-06M	IS	Units:	mg/L	Ana	alysis Date:	16-Oct-2021	12:30
Client ID:	MW-5S	F	Run ID: UV	-2450_393566	SeqNo: 6	322636	PrepDate:		DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Ferrous Iron	n	0.246	0.0500	0.25	0.009	94.8	75 - 125		
MSD	Sample ID:	HS21100884-06M	ISD	Units:	mg/L	Ana	alysis Date:	16-Oct-2021	12:30
Client ID:	MW-5S	F	Run ID: UV	-2450_393566	SeqNo: 6	322635	PrepDate:		DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Ferrous Iron	n	0.245	0.0500	0.25	0.009	94.4	75 - 125	0.246	0.407 20
The following	g samples were analyze		1100884-06 1100884-11	HS211008 HS211008		HS211008	84-09	HS21100884	-10

QC BATCH REPORT

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID:	R393664 (0)		Instr	ument:	ICS-Integrion	Me	ethod: A	ANIONS BY	E300.0, REV	2.1, 199	3
MBLK	Sample ID:	MBLK			Units: r	ng/L	Ana	alysis Date:	15-Oct-2021	14:00	
Client ID:			Ru	ın ID: ICS-I	Integrion_393664	SeqNo: 6	324764	PrepDate:		DF	:1
Analyte			Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride			U	0.500							
Fluoride			U	0.100							
Nitrogen, Ni	trate (As N)		U	0.100							
LCS	Sample ID:	LCS			Units: r	ng/L	Ana	alysis Date:	15-Oct-2021	14:08	
Client ID:			Ru	ın ID: ICS-I	Integrion_393664	SeqNo: 6	324765	PrepDate:		DF	:1
Analyte			Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride			19.88	0.500	20	0	99.4	90 - 110			
Fluoride			4.254	0.100	4	0	106	90 - 110			
Nitrogen, Ni	trate (As N)		3.919	0.100	4	0	98.0	90 - 110			
MS	Sample ID:	HS2110	0884-04MS	;	Units: r	ng/L	Ana	alysis Date:	15-Oct-2021	15:37	
Client ID:	MW-21		Ru	ın ID: ICS-I	Integrion_393664	SeqNo: 6	324772	PrepDate:		DF	: 2
Analyte			Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride			41.08	1.00	20	21.49	98.0	80 - 120			
Fluoride			4.591	0.200	4	0.4108	105	80 - 120			
Nitrogen, Ni	trate (As N)		4.104	0.200	4	0.2074	97.4	80 - 120			
MS	Sample ID:	HS2110	0876-02MS	;	Units: r	ng/L	Ana	alysis Date:	15-Oct-2021	20:41	
Client ID:			Ru	ın ID: ICS-I	Integrion_393664	SeqNo: 6	324795	PrepDate:		DF	:1
Analyte			Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride			104.2	0.500	10	96.76	74.4	80 - 120			SE
Fluoride			2.881	0.100	2	0.9764	95.2	80 - 120			
Nitrogen, Ni	trate (As N)		1.913	0.100	2	0.0184	94.7	80 - 120			

QC BATCH REPORT

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID:	R393664 (0)	Instrui	ment:	ICS-Integrion	M	lethod: A	NIONS BY	E300.0, REV	2.1, 1993		
MSD	Sample ID:	HS21100884-04MSD		Units: m	ng/L	Ana	alysis Date:	15-Oct-2021	15:44		
Client ID:	MW-21	Run	ID: ICS-	Integrion_393664	SeqNo:	6324773	PrepDate:		DF: 2	2	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	R %RPD L	PD imit C	Qual
Chloride		40.92	1.00	20	21.49	97.2	80 - 120	41.08	0.4	20	
Fluoride		4.541	0.200	4	0.4108	103	80 - 120	4.591	1.1	20	
Nitrogen, N	itrate (As N)	4.101	0.200	4	0.2074	97.3	80 - 120	4.104	0.0731	20	
MSD	Sample ID:	HS21100876-02MSD		Units: m	ng/L	Ana	alysis Date:	15-Oct-2021	20:49		
Client ID:		Run	ID: ICS-	Integrion_393664	SeqNo:	6324796	PrepDate:		DF: 1	l	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	R %RPD L	PD imit C	Qual
Chloride		106.8	0.500	10	96.76	101	80 - 120	104.2	2.51	20	EO
Fluoride		2.951	0.100	2	0.9764	98.7	80 - 120	2.881	2.42	20	
Nitrogen, N	itrate (As N)	1.962	0.100	2	0.0184	97.2	80 - 120	1.913	2.52	20	
The following	g samples were analyze	ed in this batch: HS21100		HS21100884-0	02	HS211008	84-03	HS21100884	-04		

QC BATCH REPORT

Client: Altamira

Project: WFEC CCR/Landfill

The following samples were analyzed in this batch: HS21100884-02

WorkOrder: HS21100884

Batch ID:	R393740 (0)	Ins	strument:	UV-2450	М	ethod: F	ERROUS IF	RON BY SM3	500 FE B
MBLK	Sample ID:	MBLK-R393740		Units:	mg/L	Ana	alysis Date:	15-Oct-2021	15:29
Client ID:		1	Run ID: UV	-2450_393740	SeqNo: 6	326907	PrepDate:		DF: 1
Analyte		Result	PQL	. SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	
Ferrous Iron	n	U	0.0500				80 - 120		
LCS	Sample ID:	LCS-R393740		Units:	mg/L	Ana	alysis Date:	15-Oct-2021	15:29
Client ID:		1	Run ID: UV	-2450_393740	SeqNo: 6	326906	PrepDate:		DF: 1
Analyte		Result	PQL	. SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Ferrous Iron	n	0.238	0.0500	0.25	0	95.2	80 - 120		
MS	Sample ID:	HS21100884-03N	MS	Units:	mg/L	Ana	alysis Date:	15-Oct-2021	15:29
Client ID:	MW-15A	I	Run ID: UV	-2450_393740	SeqNo: 6	326909	PrepDate:		DF: 1
Analyte		Result	PQL	. SPK Val	SPK Ref Value		Control Limit		
Ferrous Iron	n	0.524	0.0500	0.25	0.284	96.0	75 - 125		
MSD	Sample ID:	HS21100884-03N	MSD	Units:	mg/L	Ana	alysis Date:	15-Oct-2021	15:29
Client ID:	MW-15A	1	Run ID: UV	-2450_393740	SeqNo: 6	326908	PrepDate:		DF: 1
Analyte		Result	PQL	. SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Ferrous Iron	n	0.519	0.0500	0.25	0.284	94.0	75 - 125	0.524	0.959 20

HS21100884-03

QC BATCH REPORT

%RPD Limit Qual

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: R393819 (0) WetChem_HS Method: SULFIDE BY SM4500 S2-F-2011 Instrument: **MBLK** Sample ID: Units: mg/L Analysis Date: 20-Oct-2021 12:50 MBLK-R393819 Client ID: Run ID: WetChem_HS_393819 SeqNo: 6328708 PrepDate: SPK Ref RPD Ref Control **RPD** Analyte Result PQL SPK Val %REC Limit Value %RPD Limit Qual Value Sulfide U 1.00 Sample ID: LCS-R393819 Units: mg/L LCS Analysis Date: 20-Oct-2021 12:50 Client ID: Run ID: WetChem_HS_393819 SeqNo: 6328707 PrepDate: SPK Ref Control RPD Ref **RPD** SPK Val %RPD Limit Qual PQL %REC Analyte Result Value Limit Value Sulfide 22.08 1.00 25 0 88.3 85 - 115 **LCSD** Sample ID: LCSD-R393819 Units: mg/L Analysis Date: 20-Oct-2021 12:50 Client ID: Run ID: WetChem HS 393819 SeqNo: 6328706 PrepDate: SPK Ref Control RPD Ref **RPD** PQL SPK Val %REC %RPD Limit Qual Analyte Result Value Limit Value Sulfide 22.28 1.00 25 0 89.1 85 - 115 22.08 0.902 20 MS Sample ID: HS21100727-01MS Units: mg/L Analysis Date: 20-Oct-2021 12:50 Run ID: WetChem_HS_393819 SeqNo: 6328709 Client ID: PrepDate: DF: 1 SPK Ref Control RPD Ref **RPD**

SPK Val

25

%REC

94.4

Limit

80 - 120

Value

Value

-0.92

Analyte

Sulfide

The following samples were analyzed in this batch: HS21100884-02 HS21100884-03

PQL

1.00

Result

22.68

Client: Altamira

Batch ID: R393922 (0)

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Method:

QC BATCH REPORT

TOTAL DISSOLVED SOLIDS BY SM2540C-

Salcinib. R333322 (0) Instrument. Balance i Metriou. 2011

Balance1

MBLK Sample ID: WBLK-102021 Units: mg/L Analysis Date: 20-Oct-2021 20:00

Client ID: Run ID: Balance1_393922 SeqNo: 6331367 PrepDate: DF:

SPK Ref Control RPD Ref RPD

Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Total Dissolved Solids (Residue, U 10.0

Filterable)

LCS Sample ID: WLCS-102021 Units: mg/L Analysis Date: 20-Oct-2021 20:00

Client ID: Run ID: Balance1 393922 SeqNo: 6331368 PrepDate: DF: 1 SPK Ref Control RPD Ref **RPD** SPK Val %REC Analyte Result **PQL** Value Limit Value %RPD Limit Qual

Total Dissolved Solids (Residue, 924 10.0 1000 0 92.4 85 - 115

Instrument:

Filterable)

DUP Sample ID: HS21100884-04DUP Units: mg/L Analysis Date: 20-Oct-2021 20:00

Client ID: MW-21 Run ID: Balance1_393922 SeqNo: 6331364 PrepDate: DF: 1

SPK Ref Control RPD Ref RPD

Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Total Dissolved Solids (Residue, 2682 10.0 2656 0.974 5

Filterable)

DUP Sample ID: HS21100781-01DUP Units: mg/L Analysis Date: 20-Oct-2021 20:00

 Client ID:
 Run ID:
 Balance1_393922
 SeqNo: 6331347
 PrepDate:
 DF: 1

SPK Ref Control RPD Ref RPD
Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Total Dissolved Solids (Residue, 716 10.0 726 1.39 5 Filterable)

The following samples were analyzed in this batch: HS21100884-01 HS21100884-02 HS21100884-03 HS21100884-04

HS21100884-05 HS21100884-06

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: R393972 (0)	Instrume	nt:	ManTech01	М	ethod: A	ALKALINITY	BY SM 2320	B-2011	
MBLK Sample ID:	WBLKW2-211021		Units:	mg/L	Ana	alysis Date:	21-Oct-2021	23:05	
Client ID:	Run ID:	Man	Tech01_393972	SeqNo: 6	332728	PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RP %RPD Lim	
Alkalinity, Bicarbonate (As CaCC	03) U	5.00							
Alkalinity, Carbonate (As CaCO3	3) U	5.00							
Alkalinity, Hydroxide (As CaCO3) U	5.00							
Alkalinity, Total (As CaCO3)	U	5.00							
LCS Sample ID:	WLCS2-211021		Units:	mg/L	Ana	alysis Date:	21-Oct-2021	22:32	
Client ID:	Run ID:	Man	Tech01_393972	SeqNo: 6	332724	PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RP %RPD Lim	_
Alkalinity, Carbonate (As CaCO3	994.3	5.00	1000	0	99.4	85 - 115			
Alkalinity, Total (As CaCO3)	1014	5.00	1000	0	101	85 - 115			
LCSD Sample ID:	WLCSD2-211021		Units:	mg/L	Ana	alysis Date:	21-Oct-2021	22:41	
Client ID:	Run ID:	Man	Tech01_393972	SeqNo: 6	332725	PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RP %RPD Lim	
Alkalinity, Carbonate (As CaCO3	3) 1007	5.00	1000	0	101	85 - 115	994.3	1.24 2	20
Alkalinity, Total (As CaCO3)	1013	5.00	1000	0	101	85 - 115	1014	0.0878 2	20
DUP Sample ID:	HS21100884-02DUP		Units:	mg/L	Ana	alysis Date:	21-Oct-2021	23:18	
Client ID: MW-14A	Run ID:	Man	Tech01_393972	SeqNo: 6	332730	PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RP %RPD Lim	_
Alkalinity, Bicarbonate (As CaCC	93) 350.4	5.00					347.6	0.785 2	20
Alkalinity, Carbonate (As CaCO3	3) U	5.00					0	0 2	20
Alkalinity, Hydroxide (As CaCO3) U	5.00					0	0 2	20
Alkalinity, Total (As CaCO3)	350.4	5.00					347.6	0.785 2	20
The following samples were analyz	ed in this batch: HS2110088 HS2110088		HS2110088 HS2110088		HS211008 HS211008		HS21100884 HS21100884		

QC BATCH REPORT

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: R393988 (0) WetChem_HS Method: SULFIDE BY SM4500 S2-F-2011 Instrument: **MBLK** Sample ID: Units: mg/L Analysis Date: 21-Oct-2021 16:45 MBLK-R393988 Client ID: Run ID: WetChem_HS_393988 SeqNo: 6333104 PrepDate: SPK Ref RPD Ref Control **RPD** Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual Sulfide U 1.00 Sample ID: LCS-R393988 LCS Units: mg/L Analysis Date: 21-Oct-2021 16:45 Client ID: Run ID: WetChem_HS_393988 SeqNo: 6333103 PrepDate: SPK Ref Control RPD Ref **RPD** SPK Val %RPD Limit Qual %REC Analyte Result **PQL** Value Limit Value Sulfide 22.12 1.00 25 0 88.5 85 - 115 **LCSD** Sample ID: LCSD-R393988 Units: mg/L Analysis Date: 21-Oct-2021 16:45 Client ID: Run ID: WetChem HS 393988 SeqNo: 6333102 PrepDate: SPK Ref Control RPD Ref **RPD** PQL SPK Val %REC %RPD Limit Qual Analyte Result Value Limit Value Sulfide 22.32 1.00 25 0 89.3 85 - 115 22.12 0.9 20 MS Sample ID: HS21101110-01MS Units: mg/L Analysis Date: 21-Oct-2021 16:45 Run ID: WetChem_HS_393988 SeqNo: 6333105 Client ID: PrepDate: DF: 1 SPK Ref Control RPD Ref **RPD** PQL SPK Val %REC %RPD Limit Qual Analyte Result Value Limit Value Sulfide 21.72 1.00 25 -1.4892.8 80 - 120 The following samples were analyzed in this batch: HS21100884-06 HS21100884-07 HS21100884-09 HS21100884-10

HS21100884-12

HS21100884-11

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: R394028 (0) Instrument: Balance1 Method: TOTAL DISSOLVED SOLIDS BY SM2540C-

2011

QC BATCH REPORT

MBLK Sample ID: WBLK-102121 Units: mg/L Analysis Date: 21-Oct-2021 15:00

Client ID: Run ID: Balance1_394028 SeqNo: 6333952 PrepDate: DF: 1

SPK Ref Control RPD Ref RPD

Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Total Dissolved Solids (Residue, U 10.0

Filterable)

 LCS
 Sample ID:
 WLCS-102121
 Units:
 mg/L
 Analysis Date:
 21-Oct-2021 15:00

 Client ID:
 Run ID:
 Balance1_394028
 SeqNo: 6333953
 PrepDate:
 DF: 1

SPK Ref Control RPD Ref RPD
Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Total Dissolved Solids (Residue, 964 10.0 1000 0 96.4 85 - 115

Filterable)

DUP Sample ID: HS21100945-05DUP Units: mg/L Analysis Date: 21-Oct-2021 15:00

Client ID: Run ID: Balance1_394028 SeqNo: 6333945 PrepDate: DF: 1

SPK Ref Control RPD Ref RPD
Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Total Dissolved Solids (Residue, 1714 10.0 1712 0.117 5

Filterable)

DUP Sample ID: HS21100884-07DUP Units: mg/L Analysis Date: 21-Oct-2021 15:00

Client ID: **MW-7S** Run ID: **Balance1_394028** SeqNo: **6333933** PrepDate: DF: **1**

SPK Ref Control RPD Ref RPD
Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Total Dissolved Solids (Residue, 1292 10.0 1294 0.155 5

Filterable)

The following samples were analyzed in this batch: HS21100884-07 HS21100884-09 HS21100884-10

HS21100884-11 HS21100884-12 HS21100884-13

QC BATCH REPORT

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: R394252 (0) Instrument: WetChem_HS Method: CHEMICAL OXYGEN DEMAND BY E410.4,

REV 2.0, 1993

MBLK Sample ID: MBLK-R394252 Units: mg/L Analysis Date: 26-Oct-2021 18:30

Client ID: Run ID: WetChem_HS_394252 SeqNo: 6339720 PrepDate: DF: 1

SPK Ref Control RPD Ref RPD

Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Chemical Oxygen Demand U 15.0

LCS Sample ID: LCS-R394252 Units: mg/L Analysis Date: 26-Oct-2021 18:30

Client ID: Run ID: WetChem_HS_394252 SeqNo: 6339719 PrepDate: DF: 1

SPK Ref Control RPD Ref RPD
Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Chemical Oxygen Demand 100 15.0 100 0 100 85 - 115

MS Sample ID: HS21100884-04MS Units: mg/L Analysis Date: 26-Oct-2021 18:30

Client ID: MW-21 Run ID: WetChem_HS_394252 SeqNo: 6339722 PrepDate: DF: 1

SPK Ref Control RPD Ref RPD

Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Chemical Oxygen Demand 52 15.0 50 2 100 80 - 120

MSD Sample ID: HS21100884-04MSD Units: mg/L Analysis Date: 26-Oct-2021 18:30

Client ID: MW-21 Run ID: WetChem_HS_394252 SeqNo: 6339721 PrepDate: DF: 1

Analyte SPK Val SPK Val Control RPD Ref RPD Limit Qual

Chemical Oxygen Demand 51 15.0 50 2 98.0 80 - 120 52 1.94 20

HS21100884-05 HS21100884-06 HS21100884-07 HS21100884-08 HS21100884-09 HS21100884-10 HS21100884-11 HS21100884-12

HS21100884-13

QC BATCH REPORT

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID:	R394412 (0)		Ins	strument:	ICS-Integrion	М	ethod: A	ANIONS BY	E300.0, REV	2.1, 199	93
MBLK	Sample ID:	MBLK			Units:	mg/L	Ana	alysis Date:	16-Oct-2021	11:46	
Client ID:	·		F	Run ID: ICS	-Integrion_39441	2 SeqNo: 6	343271	PrepDate:		DF	:1
						SPK Ref		Control	RPD Ref		RPD
Analyte			Result	PQL	SPK Val	Value	%REC	Limit	Value	%RPD	Limit Qual
Chloride			U	0.500							
Fluoride			U	0.100							
Nitrogen, N	Nitrate (As N)		U	0.100							
LCS	LCS Sample ID: LCS Units: mg/L Analysis Date: 16-Oct-2021						11:53				
Client ID:	·		F	Run ID: ICS	-Integrion_39441	2 SeqNo: 6	343272	PrepDate:		DF	:1
						SPK Ref		Control	RPD Ref		RPD
Analyte			Result	PQL	SPK Val	Value	%REC	Limit	Value	%RPD	Limit Qual
Chloride			18.3	0.500	20	0	91.5	90 - 110			
Fluoride			3.861	0.100	4	0	96.5	90 - 110			
Nitrogen, N	Nitrate (As N)		3.604	0.100	4	0	90.1	90 - 110			
MS	Sample ID:	HS2110	0884-07N	IS	Units:	mg/L	Ana	alysis Date:	16-Oct-2021	13:48	
Client ID:	MW-7S		F	Run ID: ICS	-Integrion_39441	2 SeqNo: 6	343279	PrepDate:		DF	:1
Analyte			Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride			26.48	0.500	10	16.77	97.1	80 - 120			
Fluoride			2.798	0.100	2	0.7461	103	80 - 120			
Nitrogen, N	Nitrate (As N)		2.155	0.100	2	0.094	103	80 - 120			
MS	Sample ID:	HS2110	0884-06N	1S	Units:	mg/L	Ana	alysis Date:	16-Oct-2021	13:26	
Client ID:	MW-5S		F	Run ID: ICS	-Integrion_39441	2 SeqNo: 6	343276	PrepDate:		DF	:1
Analyte			Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride			35.63	0.500	10	26.4	92.3	80 - 120			
Fluoride			3.668	0.100	2	1.568	105	80 - 120			
Nitrogen, N	Nitrate (As N)		2.146	0.100	2	0.0984	102	80 - 120			

QC BATCH REPORT

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: R394412 (0) **ICS-Integrion** Method: ANIONS BY E300.0, REV 2.1, 1993 Instrument: MSD HS21100884-07MSD Units: mg/L Analysis Date: 16-Oct-2021 13:55 Sample ID: Client ID: MW-7S Run ID: ICS-Integrion_394412 SeqNo: 6343280 PrepDate: RPD Ref SPK Ref Control **RPD** Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual Chloride 26.1 0.500 10 16.77 93.4 80 - 120 26.48 1.43 20 Fluoride 2.744 0.100 2 0.7461 99.9 80 - 120 2.798 1.96 20 80 - 120 Nitrogen, Nitrate (As N) 2.126 0.100 2 0.094 102 2.155 1.33 20 MSD Sample ID: HS21100884-06MSD Units: mg/L Analysis Date: 16-Oct-2021 13:33 Client ID: MW-5S Run ID: ICS-Integrion_394412 SeqNo: 6343277 PrepDate: DF: 1 RPD Ref SPK Ref Control RPD Analyte Result **PQL** SPK Val Value %REC %RPD Limit Qual Limit Value Chloride 35.38 0.500 10 26.4 89.8 80 - 120 35.63 0.684 20 Fluoride 3.609 0.100 2 1.568 102 80 - 120 1.61 20 3.668 2 Nitrogen, Nitrate (As N) 2.13 0.100 0.0984 102 80 - 120 2.146 0.762 20 The following samples were analyzed in this batch: HS21100884-06 HS21100884-07 HS21100884-08 HS21100884-09 HS21100884-10 HS21100884-11 HS21100884-12 HS21100884-13

Client: Altamira

Client ID:

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

SPECIFIC CONDUCTANCE BY SM 2510B-WetChem_HS Batch ID: R394421 (0) Instrument: Method: 2011

umhos/cm@ **MBLK** Analysis Date: 28-Oct-2021 14:30 Sample ID: MBLK-R394421 Units: 25.0 °C

Run ID: WetChem_HS_394421 SeqNo: 6343515 PrepDate:

QC BATCH REPORT

SPK Ref **RPD** Control RPD Ref SPK Val **PQL** %REC Limit Value %RPD Limit Qual Analyte Result Value

Specific Conductivity U 5.00

Units: umhos/cm@ LCS Sample ID: LCS-R394421 Analysis Date: 28-Oct-2021 14:30

25.0 °C

Client ID: Run ID: WetChem_HS_394421 SeqNo: 6343514 PrepDate: DF: 1

SPK Ref Control RPD Ref RPD Analyte Result **PQL** SPK Val Value %REC Limit Value %RPD Limit Qual

Specific Conductivity 1398 5.00 1413 0 98.9 80 - 120

umhos/cm @ DUP Sample ID: **HS21100884-04DUP** Units: Analysis Date: 28-Oct-2021 14:30

25.0 °C

MW-21 Run ID: WetChem_HS_394421 SeqNo: 6343516 PrepDate: Client ID:

SPK Ref Control RPD Ref **RPD** SPK Val %RPD Limit Qual Analyte Result **PQL** Value %REC Limit Value

Specific Conductivity 3630 5.00 3620 0.276 20

HS21100884-04 The following samples were analyzed in this batch: HS21100884-01 HS21100884-02 HS21100884-03 HS21100884-05 HS21100884-06 HS21100884-07 HS21100884-08

HS21100884-11 HS21100884-12 HS21100884-09 HS21100884-10

HS21100884-13

QC BATCH REPORT

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: R394434 (0) Instrument: UV-2450 Method: FERROUS IRON BY SM3500 FE D

(DISSOLVED)

MBLK Sample ID: MBLK-R394434 Units: mg/L Analysis Date: 27-Oct-2021 20:36

Client ID: Run ID: **UV-2450_394434** SeqNo: **6343864** PrepDate: DF: **1**

SPK Ref Control RPD Ref RPD

Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Ferrous Iron, Dissolved U 0.0500

LCS Sample ID: LCS-R394434 Units: mg/L Analysis Date: 27-Oct-2021 20:36

Client ID: Run ID: UV-2450 394434 SeqNo: 6343863 PrepDate: DF: 1

SPK Ref Control RPD Ref RPD
Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Ferrous Iron, Dissolved 0.247 0.0500 0.25 0 98.8 80 - 120

MS Sample ID: HS21100807-03MS Units: mg/L Analysis Date: 27-Oct-2021 20:36

Client ID: Run ID: UV-2450_394434 SeqNo: 6343854 PrepDate: DF: 1

SPK Ref Control RPD Ref RPD

Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Ferrous Iron, Dissolved 0.25 0.0500 0.25 -0.001 100 80 - 120

MSD Sample ID: HS21100807-03MSD Units: mg/L Analysis Date: 27-Oct-2021 20:36

Client ID: Run ID: UV-2450_394434 SeqNo: 6343853 PrepDate: DF: 1

SPK Ref Control RPD Ref RPD

SPK Ref Control RPD Ref RPD
Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Ferrous Iron, Dissolved 0.242 0.0500 0.25 -0.001 97.2 80 - 120 0.25 3.25 20

The following samples were analyzed in this batch: HS21100884-02 HS21100884-03 HS21100884-06 HS21100884-07 HS21100884-09 HS21100884-10 HS21100884-11 HS21100884-12

Client: Altamira

Temp Deg C @pH

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID: R394509 (0) Instrument: WetChem_HS Method: PH BY SM4500H+ B-2011

DUP Sample ID: HS21100884-04DUP Units: pH Units Analysis Date: 29-Oct-2021 11:00

Client ID: MW-21 Run ID: WetChem_HS_394509 SeqNo: 6345425 PrepDate: DF:1

SPK Ref Control RPD Ref RPD
Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

pH 7.33 0.100 7.28 0.684 10

The following samples were analyzed in this batch: HS21100884-01 HS21100884-02 HS21100884-03 HS21100884-04

0

20.5

HS21100884-05 HS21100884-06 HS21100884-07 HS21100884-08 HS21100884-09 HS21100884-10 HS21100884-11 HS21100884-12 HS21100884-13

QC BATCH REPORT

21.5

4.76 10

QC BATCH REPORT

Client: Altamira

Project: WFEC CCR/Landfill

WorkOrder: HS21100884

Batch ID:	R394578 (0)	Instrume	nt:	ICS-Integrion	M	ethod: A	ANIONS BY	E300.0, REV	2.1, 1993
MBLK	Sample ID:	MBLK		Units: r	ng/L	Ana	alysis Date:	30-Oct-2021	06:11
Client ID:		Run ID:	ICS-	Integrion_394578	•	347118	PrepDate:		DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Sulfate		U	0.500						
LCS	Sample ID:	LCS		Units: r	ng/L	Ana	alysis Date:	30-Oct-2021	06:18
Client ID:		Run ID:	ICS-	Integrion_394578	SeqNo: (6347119	PrepDate:		DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Sulfate		20.05	0.500	20	0	100	90 - 110		
MS	Sample ID:	HS21101112-01MS		Units: r	ng/L	Ana	alysis Date:	30-Oct-2021	08:39
Client ID:		Run ID:	ICS-	Integrion_394578	SeqNo: (347136	PrepDate:		DF: 2
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Sulfate		971.1	1.00	20	990.4	-96.9	80 - 120		SEO
MS	Sample ID:	HS21101099-02MS		Units: r	ng/L	Ana	alysis Date:	30-Oct-2021	09:30
Client ID:	•	Run ID:	ICS-	Integrion_394578	•	6347142	PrepDate:		DF: 10
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Sulfate		297.4	5.00	100	204.9	92.5	80 - 120		
MSD	Sample ID:	HS21101112-01MSD		Units: r	ng/L	Ana	alysis Date:	30-Oct-2021	08:46
Client ID:		Run ID:	ICS-	Integrion_394578	SeqNo: (6347137	PrepDate:		DF: 2
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Sulfate		1001	1.00	20	990.4	55.0	80 - 120	971.1	3.08 20 SEO
MSD	Sample ID:	HS21101099-02MSD		Units: r	ng/L	Ana	alysis Date:	30-Oct-2021	09:38
Client ID:		Run ID:	ICS-	Integrion_394578	SeqNo: (6347143	PrepDate:		DF: 10
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Sulfate		291.2	5.00	100	204.9	86.3	80 - 120	297.4	2.11 20
The followin	g samples were analyzo	ed in this batch: HS2110088 HS2110088 HS2110088 HS2110088	4-05 4-09	HS21100884 HS21100884 HS21100884	-06	HS211008 HS211008 HS211008	84-07	HS21100884 HS21100884 HS21100884	-08

Revision: 2

Client: Altamira QUALIFIERS,

Project: WFEC CCR/Landfill ACRONYMS, UNITS

WorkOrder: HS21100884

Qualifier	Description
*	Value exceeds Regulatory Limit
а	Not accredited
В	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
Н	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
0	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL
Acronym	Description

Acronym Description

DCS Detectability Check Study

DUP Method Duplicate

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MBLK Method Blank

MDL Method Detection Limit
MQL Method Quantitation Limit

MS Matrix Spike

MSD Matrix Spike Duplicate

PDS Post Digestion Spike

PQL Practical Quantitaion Limit

SD Serial Dilution

SDL Sample Detection Limit

TRRP Texas Risk Reduction Program

Unit Reported Description

Date

CERTIFICATIONS, ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	21-022-0	26-Mar-2022
Florida	E87611-33	30-Jun-2022
Illinois	2000322021-7	09-May-2022
Kansas	E-10352 2021-2022	31-Jul-2022
Kentucky	123043, 2021-2022	30-Apr-2022
Louisiana	03087, 2021-2022	30-Jun-2022
Texas	T104704231-21-28	30-Apr-2022

Client: Altamira

Project: WFEC CCR/Landfill

Work Order: HS21100884

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS21100884-01	MW-3	Login	10/15/2021 2:14:33 PM	JRM	WET054
HS21100884-01	MW-3	Login	10/15/2021 2:14:33 PM	JRM	MET003
HS21100884-01	MW-3	Login	10/15/2021 2:14:33 PM	JRM	Sub
HS21100884-01	MW-3	Login	10/15/2021 2:14:33 PM	JRM	Sub
HS21100884-01	MW-3	Login	10/15/2021 2:14:33 PM	JRM	WET054
HS21100884-02	MW-14A	Login	10/15/2021 2:14:33 PM	JRM	WET364
HS21100884-02	MW-14A	Login	10/15/2021 2:14:33 PM	JRM	MET003
HS21100884-02	MW-14A	Login	10/15/2021 2:14:33 PM	JRM	MET003
HS21100884-02	MW-14A	Login	10/15/2021 2:14:33 PM	JRM	Sub
HS21100884-02	MW-14A	Login	10/15/2021 2:14:33 PM	JRM	Sub
HS21100884-02	MW-14A	Login	10/15/2021 2:14:33 PM	JRM	WET364
HS21100884-02	MW-14A	Login	10/15/2021 2:14:33 PM	JRM	WET364
HS21100884-02	MW-14A	Login	10/15/2021 2:14:33 PM	JRM	WET364
HS21100884-03	MW-15A	Login	10/15/2021 2:19:02 PM	JML	Disposed
HS21100884-03	MW-15A	Login	10/15/2021 2:19:02 PM	JML	MET015
HS21100884-03	MW-15A	Login	10/15/2021 2:19:02 PM	JML	MET015
HS21100884-03	MW-15A	Login	10/15/2021 2:19:02 PM	JML	Sub
HS21100884-03	MW-15A	Login	10/15/2021 2:19:02 PM	JML	Sub
HS21100884-03	MW-15A	Login	10/15/2021 2:19:02 PM	JML	Disposed
HS21100884-03	MW-15A	Login	10/15/2021 2:19:02 PM	JML	Disposed
HS21100884-03	MW-15A	Login	10/15/2021 2:19:02 PM	JML	Disposed
HS21100884-04	MW-21	Login	10/15/2021 2:19:53 PM	JML	Disposed
HS21100884-04	MW-21	Login	10/15/2021 2:19:53 PM	JML	MET015
HS21100884-04	MW-21	Login	10/15/2021 2:19:53 PM	JML	Sub
HS21100884-04	MW-21	Login	10/15/2021 2:19:53 PM	JML	Sub
HS21100884-04	MW-21	Login	10/15/2021 2:19:53 PM	JML	Disposed
HS21100884-05	DUP 3	Login	10/15/2021 2:19:53 PM	JML	Disposed
HS21100884-05	DUP 3	Login	10/15/2021 2:19:53 PM	JML	MET015
HS21100884-05	DUP 3	Login	10/15/2021 2:19:53 PM	JML	Sub
HS21100884-05	DUP 3	Login	10/15/2021 2:19:53 PM	JML	Sub
HS21100884-05	DUP 3	Login	10/15/2021 2:19:53 PM	JML	Disposed
HS21100884-06	MW-5S	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-06	MW-5S	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-06	MW-5S	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-06	MW-5S	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-06	MW-5S	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-06	MW-5S	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-06	MW-5S	Login	10/16/2021 11:45:55 AM	JML	WET029
HS21100884-06	MW-5S	Login	10/16/2021 11:45:55 AM	JML	Disposed

Client: Project:	Altamira WFEC CCR/Landfill				SAMPLE TRACKING
Work Order:	HS21100884				
HS21100884-07	MW-7S	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-07	MW-7S	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-07	MW-7S	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-07	MW-7S	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-07	MW-7S	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-07	MW-7S	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-07	MW-7S	Login	10/16/2021 11:45:55 AM	JML	WET029
HS21100884-07	MW-7S	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-08	MW-13	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-08	MW-13	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-08	MW-13	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-08	MW-13	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-08	MW-13	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-09	MW-16	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-09	MW-16	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-09	MW-16	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-09	MW-16	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-09	MW-16	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-09	MW-16	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-09	MW-16	Login	10/16/2021 11:45:55 AM	JML	WET029
HS21100884-09	MW-16	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-10	MW-17	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-10	MW-17	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-10	MW-17	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-10	MW-17	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-10	MW-17	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-10	MW-17	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-10	MW-17	Login	10/16/2021 11:45:55 AM	JML	WET029
HS21100884-10	MW-17	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-11	MW-18	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-11	MW-18	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-11	MW-18	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-11	MW-18	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-11	MW-18	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-11	MW-18	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-11	MW-18	Login	10/16/2021 11:45:55 AM	JML	WET029
HS21100884-11	MW-18	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-12	MW-19S	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-12	MW-19S	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-12	MW-19S		10/16/2021 11:45:55 AM	JML	MET083
HS21100884-12	MW-19S	Login	10/16/2021 11:45:55 AM	JML	Sub
1102 1 100004-12	19199-130	Login	10/10/2021 11.43.33 AW	JIVIL	Gub

Client: Project: Work Order:	Altamira WFEC CCR/Landfill HS21100884				SAMPLE TRACKING
HS21100884-12	MW-19S	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-12	MW-19S	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-12	MW-19S	Login	10/16/2021 11:45:55 AM	JML	WET029
HS21100884-12	MW-19S	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-13	MW-20	Login	10/16/2021 11:45:55 AM	JML	Disposed
HS21100884-13	MW-20	Login	10/16/2021 11:45:55 AM	JML	MET083
HS21100884-13	MW-20	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-13	MW-20	Login	10/16/2021 11:45:55 AM	JML	Sub
HS21100884-13	MW-20	Login	10/16/2021 11:45:55 AM	JML	Disposed

Sample Receipt Checklist

Work Order ID: Client Name:	HS21100884 Enviro Clean Services-Tulsa			/Time Received: eived by:	<u>15-Oct-2021 10:20</u> <u>Jared R. Makan</u>			
Completed By:	: /S/ Jared R. Makan	14-Oct-2021 19:08	Reviewed by: /S/	/Ragen Giga	18-Oct-2021 12:54			
	eSignature	Date/Time		eSignature	Date/Time			
Matrices:	<u>Water</u>		Carrier name:	FedEx Price	ority Overnight			
Custody seals in Custody seals in VOA/TX1005/T. Chain of custod Chain of custod Samplers name Chain of custod Samples in prop Sample contain Sufficient samp All samples reco	ly signed when relinquished and represent on COC? It is a grees with sample labels? It is a grees with sample labels? It is a grees with sample labels?	ed vials? received?	Yes Yes	No	Not Present Not Present Not Present Not Present 1 Page(s)			
	/Thermometer(s):	C :	1.2°C, 0.9°C UC/	С	IR31			
Cooler(s)/Kit(s):	:		46334, 44481		JI.			
	ple(s) sent to storage:		10/14/2021 11:30					
Water - pH acce pH adjusted? pH adjusted by:	als have zero headspace? eptable upon receipt?		Yes Yes Yes	No No No	No VOA vials submitted N/A N/A			
Login Notes:								
Client Contacte	d:	Date Contacted:		Person Co	ntacted:			
Contacted By: Comments:		Regarding:						
Corrective Action	on:							

Sample Receipt Checklist

Work Order ID: Client Name:	HS21100884 Enviro Clean Services-Tulsa			Fime Received: ved by:	<u>15-Oct-2021 10:20</u> <u>Jared R. Makan</u>
Completed By	: /S/ Jared R. Makan	15-Oct-2021 13:29	Reviewed by: /S/	Ragen Giga	18-Oct-2021 12:54
	eSignature	Date/Time		eSignature	Date/Time
Matrices:	<u>Water</u>		Carrier name:	FedEx Prio	ority Overnight
Custody seals in Custody seals in VOA/TX1005/T Chain of custody Samplers named Chain of custody Samples in programple contain Sufficient samples reconstructions.	dy signed when relinquished and represent on COC? dy agrees with sample labels? per container/bottle?	ed vials? eceived?	Yes V	No	Not Present Not Present Not Present Not Present Not Present 1 Page(s)
Cooler(s)/Kit(s))/Thermometer(s): : uple(s) sent to storage:		0.9°C, 0.8°C UC/C 44445, 47345 10/15/2021 13:35		IR31
Water - VOA vi	als have zero headspace? eptable upon receipt?		Yes Yes Yes	No No No	No VOA vials submitted N/A N/A
Login Notes: Client Contacte	ed:	Date Contacted:		Person Con	ntacted:
Contacted By: Comments:		Regarding:			
Corrective Action	on:				

Sample Receipt Checklist

Work Order ID: Client Name:	HS21100884 Enviro Clean Services-Tulsa			/Time Received: eived by:	<u>15-Oct-2021 10:20</u> <u>Jared R. Makan</u>			
Completed By:	: /S/ Jared R. Makan	16-Oct-2021 10:08	Reviewed by: /S/		18-Oct-2021 12:5	54		
	eSignature	Date/Time		eSignature	Date/Time			
Matrices:	<u>Water</u>		Carrier name:	FedEx Pri	ority Overnight			
Custody seals in Custody seals in VOA/TX1005/T Chain of custod Chain of custod Samplers name Chain of custod Samples in prop Sample contain Sufficient samp	ly signed when relinquished and represent on COC? It is a grees with sample labels? It is a grees with sample labels? It is a grees with sample labels?	ed vials?	Yes Yes	No	Not Present Not Present Not Present Not Present V 1 Page(s)			
	o Blank temperature in compliance /Thermometer(s):	∍?	Yes ✓ 1.2°C, 1.7°C UC/	No C				
Cooler(s)/Kit(s):			47419, 45672					
Date/Time sam	ple(s) sent to storage:		10/16/2021 10:10)				
Water - pH acce pH adjusted? pH adjusted by:	als have zero headspace? eptable upon receipt?		Yes Yes Yes	No No No	No VOA vials submitted N/A]		
Login Notes:								
Client Contacte	d:	Date Contacted:		Person Co	ntacted:			
Contacted By: Comments:		Regarding:						
Corrective Action	on:							

	PROJECT NUMBER:		PROJECT I	NAMERALL WELLSON	SAME WD)			
(A) ALTANJOA	WFEE 160021	1003	WFEC CCR./ LANDFILL					
ALTAMIRA formerly known as Enviro Clean Cardinal	CLIENT CONTACT:		CLIENT EMAIL: HEATHER. TIFFANY ALTAMIRA LABOATA -US. COM 405. 618. 2021 TAT: STND					
	HEATHER TIM	FANY	LAT	BDATA)-US.	COM 405.618.2021			
LABORATORY / LAB PM:	CLIENT ADDRESS: RAL PA	RK DR #500	TAT: S	stno d				
ALG / RACEN GIGA	OKC, OK 73			PAI	RAMETERS			
** • • • • • • • • • • • • • • • • • •	SPECIAL INSTRUCTIONS:		1		* * * 3 44			
#210	Muzzil	coss,	INER.	40 7	J 3 0 8 5 EX			
LAB ADDRESS: 10450 STAN CUTF RD #210 HOUSTON, TX 77099 SHIPMENT METHOD: TRACKING:	MW-14A is OK, and	lut mean to \$ out	CONTAINERS	SIX B SOND	NA N NOT NOT NOT NOT NOT NOT NOT NOT NOT N			
SHIPMENT METHOD: TRACKING:	· '		OF CC	1995	NA PROSE			
FOOTS			NUMBER OF CONTAINERS FIELD FILTERED (YES / NO)	APPENDIX PPENDIX NOS AS COD SPEC CON	1,9 18 18 5 2 2 2 2 3 2 2 2 3 2 3 2 3 2 3 2 3 2 3			
NO. SAMPLE DESCRIPTION	DATE TIME	MATRIX PRES.	NUM FIELD	APPENDIX NOS AS COD SPEC CO	FE, TOTA PISSOLVED PISSOLVED FERRIC FE K, MM, N CANLFIDE HOBOXIDE HOLD			
1 MW-3		N 2,39	5 N		9-			
2 MW-55		1,2,3,4.0	1811	XXXX	XXXXXX			
3 MN-75		1,2,3,4,9	8	XXXX	XXXXXX			
4 MW-13		2,3,9	5	XXXX				
5 MW-14A DK	10/3/21/1917	1,2,3,4,9	8 Y	XXXX	XXXXXX			
6 MW-15A	10/13/21 1703		IÝ	XXXX	XXXXXXX			
7 AN-16				XXXX	XXXXX			
8 AW-17				XXXX	XXXXX			
9 MW-18				XXXX	XXXXX			
10 MW-195	4			XXXXX	XXXXXX			
11 NAW 20 *		2,3,9	5	XXXX	HS21100884			
12 MW-21	10 3/21 1735		51	$(\times \times $	Altamira			
13 MW-21 MS	10/13/2/1735		T R	YXXXXX	WFEC CCR/Landfill			
14 WW-21 MSD	10/3/4 1735			XXXXX				
15 Dup 3	10 13 12 1735		VV	XXXXX				
sampler(s) Name: Bradley Van Cley	DATE: 10/16/21	Total # of Containers:	SAIV	MPLER(S) SIGNATURE:	UATE: 15/14/2/ TIME: 14/00			
RELINQUISHED BY: / DATE:	14/1/ RECEIVED BY:	DATE: 10//	15/21	LOGGED BY:	DATE: COOLER TEMP:			
PRESERVATION KEY: 1-HCL 2-HNO3	3-H2SO4 4-NaOH 5-Na2S	TIME: / 0 203 6-NaHSO4 7-4		8-9035 9-Other:	TIME:			
POINT OF ORIGIN: Norman	Qklahoma City Tu		A PROPERTY OF THE PROPERTY OF	Midland Other:				
	/	ALTAMIRA-US, LLC	Cooler	r 44445 0.9°C	47345 0.8°C			

46495 1.1°C 1831 CFO

	PROJECT NUMBER:		PROJE	CT NAME:								ì
(A) ALTANAIDA	WFEE 60021	1003	WF	ECI	LAN	DFI	LL		cc	OC :	of	\leftarrow
ALTAMIRA formerly known as Enviro Clean Cardinal	CLIENT CONTACT:	•			TIFFAN	7).		CLIENT I	PHONE:			
	HEATHERTIF	FAM	MP/	ABDA	TA	KALT	AMIRA 5.CON	40	5.61	8.0	021	
LABORATORY / LAB PM:	CLIENT ADDRESS: 525 CENTRAL PAR	V. 70 #500	TAT:	ABDA STNI	>″`		2.000	<u> </u>				
1100 I WOUNDING	OKC OK 13	3100					PARAME	TERS		-		
LAB ADDRESS: 10450 STANCUFF RD	SPECIAL INSTRUCTIONS:				*	a.n.e.		Ka N	Fe, Mo,	WWW.	57	1
STE 210	*SHORT HOUX		NERS	ON /	89 mar	<i>y</i>		24	1/6,	ارا	5 3	E
STE 210 HOUSTON, TX 770 99 SHIPMENT METHOD: TRACKING:			CONTAINERS	(YES			3		المريز	1-2	m h	4
			PF CO	RED ▼	2		2	1 5 1	ある。	8	,CR >	3
F的SX			BER C	E S		0	BE	- Lite	333	Ma, Na	300,8	십
NO. SAMPLE DESCRIPTION	DATE TIME	MATRIX PRES.	NUMBER	FIELD FILTERED (YES / NO)	A S	8	50 to Co		DISCUSED FOR	Y.	CAUNDE HOS, COS, T	HOLD
1 MW-3		W 2,39	6	NX	XX	X.	X					1=
2 MW-56	10/14/21 1500	1,2,3,4,9	8	YX	XX	×	XX	X:	XX	X	XX	1
3 MW-75	101521 1116	1,2,3,4,9		X	XX		XX	-	XX	$\hat{\mathbf{x}}$	XX	1
4 MW-13	10/15/21 1307	2,3,9	5	11×	XX		X	1/- 1/	7,		/ /	1
5 MAY-YA-AY 1		1,23,4,9	gamen manager of	X	VZ	M	V X	XX	0 11		XX	+
6 MN-454				16	XX	101	XX		N X	X	会长	+
7 MW-16	12/14/21 1643		45	(×	XX	X	XX	1XX		X	XX	1
8 MW-17	10/14/21 1750		1	\mathbb{Z}	XX		XX	XX	< ×		XX	-
9 MW-18	10 14 21 19 15			Уx	XX		XX	× >	\ \ \ \ \	-	$\frac{\hat{x}}{\hat{x}}$	
10 MW-196	10/15/21 1202		7		XX	1	XX	XX		×		
11 MW-20	10/15/21/1000	2,3,9	51		XX	1	X			4400	<u> </u>	1
12 RANDON		23,9	5	W X	X XI	V				1100 Itamira		
13 Jemy Blank		77.0				+				CCR/L		
14						-						
15												
SAMPLER(S) NAME: BVWW / Jan (1)	DATE: 10 15 U	Total # of Containers:	s	AMPLER(S	SIGNATURI	<u></u>		11	1	DATE:	שן טוף ן) 1
RELINOUISHED BY: DATE: OT	TIME: 1930	DATE: YOLL	673	LOGGE	D-0	M	4	IDATE .		TIME: 🗸	ر ما دوار ا الموارد الموارد	
PRESERVATION KEY: 1-HCL 2-HN03	1950 5M	TIME: 9	30			T-2-17***********************************		DATE: TIME:		- $ $ ^c	COOLER TEMP	:
PRESERVATION KEY: 1-HCL 2-HNO3 POINT OF ORIGIN: Norman	3-H2SO4 4-NaOH 5-Na2S2C Oklahoma City		Degree	s C 8-9 Midland	035 9-Otl	ner : Other :				-41	231	
		ALTAMIRA-US, LLC			72:/	A STATE OF THE STA		42 I.	. 2	7.1	F-0	A SA VOICE OF THE SA

477191.745672 1-2 014-0



ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887

	CUS	TODY
Date: - D	4/27	Time:
Name:	/ -	
Company:	1/	254

	STATE OF THE PARTY
SEAL.	Seal Broken By:
1400	Line
	Date:
	10/15/20

TOTALIX.		
1RK# 5300	5222	9741

FRI - 15 OCT AA T PRIORITY OVERNIGHT

77099 TX-US IAH





ALS

10450 Stancliff Rd., Suite 210 Houstor, Texas 77093 Tel. +1 281 530 5656 Fax. +1 281 530 5887

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ř.	Date:	I	0
Mi.	Name:	2	- (
Į.	Compa	ny:	

73				
CUSTODY SEAL	Seal Broker By:			
(4/3) Time: 1460	Pate:			
	10/15/21			

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	(ALS)

10450 Stancliff Pd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 (887

	CU:
Date:	0114121
Name:	1 !
Company:	-

STODY SEAL	Seal Broken By:
Time: 1400	Jen
	Date:
	10/15/21

FRI - 15 OCT AA PRIORITY OVERNIGHT

77099 rx-us IAH





ALS

10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887

Date: 10/14/2.1

CUSTODY SEAL

Seal Broken By: Jug



10450 Stancliff Rd., Suite 210 Houston, Texas 77099 ALS) Tel. +1 281 530 5656 Fax. +1 281 530 5887

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Name:	-	1	
Compan	y:	-	

Ţ	O	DY	SEAL

1400

Seal Broken By: JM 10/15/20

TRK# 5300 5222 9730

FRI - 15 OCT AA PRIORITY OVERNIGHT

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586258 140ct2021 5aby 56002/0778/1823



ALS

10450 Stanoliff Rd., Suite 10 Houston, Texas 77099 Tel. +1 281 520 5656 Fax. +1 281 530 5387

Date: 10 Name: Company: _

CUSTODY SEAL

Sea! Broken By: _Jm



10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887



Seal Broken By: Jm 10/16/

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FedEx IRK# 5300 5222 9671

RETURNS MON-SAT SATURDAY 12:00P PRIORITY OVERNIGHT

XO SGRA

77099 TX-US IAH



#4277271 10/15 56DJ3/14BA/FE4A



ALS

10450 Stanoliff Rd., Suite 210 Houston, Texas 77099 fel. +1 281 530 5656 Fax. +1 281 530 5887

CUSTODY SEAL

Seal Broken By:



FedEx

ALS

10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 ALS) Fax. +1 281 530 5887

		CL
Date	10/15	121
Name:		حصر
Compa		

METUMNA WIUN - SET SATURDAY 12:00P PRIORITY OVERNIGHT

De

X0 SGRA

TRK# 5300 5223 0182

77099 TX-US IAH



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ALS

10450 Stancliff RI., Suite 210 Houston, Texas 7/099 Tel. +1 281 530 566 Fax. +1 281 530 587

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1930

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Seal Broken By:

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10/16/21

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10450 Stancliff F.J., Suite 210 Houston, Texas 7" 99 Tel. +1 281 53 15 16 Fax. +1 281 530 6087

44		
€.	8 1	4

Date: 10/15/21

ODY	SEAL

Time: 1930 Seal Broken By: Jm.

FedEx TRK# 5300 5222 9763

SATURDAY 12:008 PRIORITY OVERNIGHT

XO SGRA

· 77099 TX-US IAH



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ALS

10450 Stanoliff Ro., Suite 2/10 Houston, Texas 7/7099 Tel. +1 281 530 5656 ALS) Fax. +1 201 530 F887

Date Nam Com

CUSTODY SEAL

Seal Broken By: Im



Ft. Collins, Colorado LIMS Version: 7.025 Page 1 of 1

Tuesday, January 11, 2022

Ragen Giga ALS Environmental 10450 Stancliff Rd, Suite 210 Houston, TX 77099

Re: ALS Workorder: 2112028

Project Name:

Project Number: HS21100884

Dear Mr. Giga:

Five water samples were received from ALS Environmental, on 10/18/2021. The samples were scheduled for the following analyses:

Radium-226
Radium-228

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental Janice Winn-Shilling Project Manager <u>Accreditations</u>: ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

ALS Environmental – Fort Collins				
Accreditation Body	License or Certification Number			
Arizona	AZ0828			
California (CA)	2926			
Colorado (CO)	CO01099			
Florida (FL)	E87914			
Idaho (ID)	CO01099			
Kansas (KS)	E-10381			
Kentucky (KY)	90137			
Oklahoma	1301			
PJLA (DoD ELAP/ISO 170250)	95377			
PJLA (DOE-AP/ISO 17025)	95377			
Maryland (MD)	285			
Missouri (MO)	175			
Nebraska(NE)	NE-OS-24-13			
Nevada (NV)	CO010992018-1			
New York (NY)	12036			
North Dakota (ND)	R-057			
Oklahoma (OK)	1301			
Pennsylvania (PA)	68-03116			
Tennessee (TN)	TN02976			
Texas (TX)	T104704241			
Utah (UT)	CO01099			
Washington (WA)	C1280			
Virginia	460305			

40 CFR Part 136: All_analyses for Clean Water Act samples are analyzed using the 40 CFR Part 136 specified method and include all the QC requirements.



2112028

This is a re-log of work order 2110407.

Radium-228:

The samples were analyzed for the presence of ²²⁸Ra by low background gas flow proportional counting of ²²⁸Ac, which is the ingrown progeny of ²²⁸Ra, according to the current revision of EPA 904.0.

All acceptance criteria were met.

Radium-226:

The samples were prepared and analyzed according to the current revision of EPA 903.1.

All acceptance criteria were met.

Sample Number(s) Cross-Reference Table

OrderNum: 2112028

Client Name: ALS Environmental

Client Project Name:

Client Project Number: HS21100884 Client PO Number: HS21100884

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
MW-3	2112028-1		WATER	13-Oct-21	18:49
MW-14A	2112028-2		WATER	13-Oct-21	19:17
MW-15A	2112028-3		WATER	13-Oct-21	17:03
MW-21	2112028-4		WATER	13-Oct-21	17:35
DUP 3	2112028-5	_	WATER	13-Oct-21	17:35





2110407

10450 Stancliff Rd, Ste 210 Houston, TX 77099 T: +1 281 530 5656 F: +1 281 530 5887 www.alsglobal.com

Subcontract Chain of Custody

SAMPLING STATE: Oklahoma

COC ID: 17103

SUBCONTRACT TO:

ALS Environmental, Fort Collins 225 Commerce Drive Fort Collins, CO 80524

Phone: +1 970 490 1511

CUSTOMER INFORMATION:

Contact: ALS Houston Ragen Giga

Address: 10450 Stancliff Rd, Ste 210

Phone: +1 281 530 5656

Email: RagenP.Giga@ALSGlobal.com

Alternate Contact:

Jumoke M. Lawal

Email: jumoke.lawal@alsglobal.com

INVOICE INFORMATION:

Company: ALS Houston

Contact: Accounts Payable

Address: 10450 Stancliff Rd, Ste 210

Phone: +1 281 530 5656

Reference: HS21100884

TSR: Sonia West

Ya Va	LAB SAMPLE ID ANALYSIS F	TO SERVICE OF THE BUSINESS OF THE PARTY.	MATRIX	COLLECT DATE DUE DATE
1.	HS21100884-01	MW-3	Water	13 Oct 2021 18:49
	Report as com	bined 226 & 228		29 Oct 2021
	Report as com	bined 226 & 228		29 Oct 2021
2.	HS21100884-02	MW-14A	Water	13 Oct 2021 19:17
	Report as com	bined 226 & 228		29 Oct 2021
	Report as com	bined 226 & 228		29 Oct 2021
3.	HS21100884-03	MW-15A	Water	13 Oct 2021 17:03
	Report as com	bined 226 & 228		29 Oct 2021
	Report as com	bined 226 & 228		29 Oct 2021
4.	HS21100884-04	MW-21	Water	13 Oct 2021 17:35
	Report as com	bined 226 & 228		29 Oct 2021
	Report as com	bined 226 & 228		29 Oct 2021
5.	HS21100884-05	DUP 3	Water	13 Oct 2021 17:35
	Report as com	bined 226 & 228		29 Oct 2021
	Report as com	bined 226 & 228		29 Oct 2021

Comments:



2110407

Subcontract Chain of Custody

SAMPLING STATE: Oklahoma

COC ID: 17103

Please analyze for the analysis listed above. Send report to the emails shown above.

HS21100884-04 - MS/MSD

QC Level:

STD (Laboratory Standard QC: method blank and LCS required)

Relinquished By	1 J. MISERTY	Date/Time:	10/	15/21	18:00
Received By:	amy lughost	Date/Time:	10/1	18/21	0850
				100	

Cooler ID(s): Temperature(s):



ALS Environmental - Fort Collins CONDITION OF SAMPLE UPON RECEIPT FORM

Client:	ALS HOUSTON	Workor	der No:	2	110407				
Project Manager:	JWS	Initials:	AXK	Date:	10/:	18/2021			
					N/A	YES	NO		
1. Are airbills / shipping do	cuments present and/or ren	novable?				, , , , , , , , , , , , , , , , , , ,			
Tracking number:						Х			
2. Are custody seals on ship	pping containers intact?					Χ			
3. Are custody seals on san	nple containers intact?				Х				
4. Is there a COC (chain-of-	custody) present?					Χ			
Is the COC in agreement	with samples received? (IDs	s, dates, times, # o	f samples	, # of			х		
containers, matrix, reque	ested analyses, etc.)								
6. Are short-hold samples p	present?						Χ		
7. Are all samples within ho	olding times for the requeste	ed analyses?				Χ			
8. Were all sample contain	ers received intact? (not bro	oken or leaking)				Χ			
 Is there sufficient sample 									
10. Are samples in proper co	are samples in proper containers for requested analyses? (form 250, Sample Handli Fuidelines)								
11. Are all aqueous samples	preserved correctly, if requ	ired? (excluding v	volatiles)			х			
112	g no headspace (VOC, GRO, F eter? (i.e. size of green pea)	RSK/MEE, radon)	free of b	ubbles	х				
13. Were the samples shippe	ed on ice?						Χ		
^{14.} Were cooler temperatures	money rod at 0.1 6 0 $^{\circ}$ C2	IR gun used*: #5			RAD ONLY		Х		
Cooler #:	1								
Temperature (°C):	MB								
# of custody seals on cooler:	2								
External µR/hr reading: 1	11								
Background μR/hr reading: 1	10								
Were external μR/hr readings ≤ tv	vo times background and within DOT a	cceptance criteria? YE	(If no, see	e Form 00	8.)				
* Please provide details here fo	r NO responses to boxes above	- for 2 thru 5 & 7 th	iru 12, noti	fy PM &	continue	w/ login.			
Received 2 extra bottles	for sample 4								
Were unpreserved bottle	s pH checked? NA	All client bottle I	D's vs ALS I	ab ID's o	louble-ch	ecked by	: AK		
If applicable, was the client contact	cted? YES / NO / NA Contact:				Date/T	ime:			
Project Manager Signature / [Date:	Shut	_		_				





SAMPLE SUMMARY REPORT

Client:ALS EnvironmentalDate:11-Jan-22Project:HS21100884Work Order:2112028Sample ID:MW-3Lab ID:2112028-1Legal Location:Matrix:WATER

Collection Date: 10/13/2021 18:49 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation -	Method 903.1	SOF	783	Prep	Date: 12/13/2021	PrepBy: HLR
Ra-226	0.06 (+/- 0.22)	U	0.42	pCi/l	NA	12/17/2021 11:40
Carr: BARIUM	96		40-110	%REC	DL = NA	12/17/2021 11:40
Radium-228 Analysis by GFPC		SOF	724	Prep	Date: 12/6/2021	PrepBy: HLR
COMBINED RADIUM (226+228)	0 (+/- 0)	U	0.96	pCi/l	NA	12/17/2021 09:46
Ra-228	0.49 (+/- 0.47)	U	0.96	pCi/l	NA	12/10/2021 09:46
Carr: BARIUM	94.6		40-110	%REC	DL = NA	12/10/2021 09:46

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SAMPLE SUMMARY REPORT

Client:ALS EnvironmentalDate:11-Jan-22Project:HS21100884Work Order:2112028Sample ID:MW-14ALab ID:2112028-2Legal Location:Matrix:WATER

Collection Date: 10/13/2021 19:17 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation -	Method 903.1	SOF	783	Prep	Date: 12/13/2021	PrepBy: HLR
Ra-226	0.11 (+/- 0.19)	U	0.33	pCi/l	NA	12/17/2021 11:40
Carr: BARIUM	99.3		40-110	%REC	DL = NA	12/17/2021 11:40
Radium-228 Analysis by GFPC		SOF	724	Prep	Date: 12/6/2021	PrepBy: HLR
COMBINED RADIUM (226+228)	1.68 (+/- 0)		0.91	pCi/l	NA	12/17/2021 09:46
Ra-228	1.68 (+/- 0.62)		0.91	pCi/l	NA	12/10/2021 09:46
Carr: BARIUM	94.9		40-110	%REC	DI = NA	12/10/2021 09:46

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SAMPLE SUMMARY REPORT

 Client:
 ALS Environmental
 Date: 11-Jan-22

 Project:
 HS21100884
 Work Order: 2112028

 Sample ID:
 MW-15A
 Lab ID: 2112028-3

Legal Location: Matrix: WATER

Collection Date: 10/13/2021 17:03 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation -	- Method 903.1	SOP	783	Prep	Date: 12/13/2021	PrepBy: HLR
Ra-226	0.28 (+/- 0.25)	U	0.33	pCi/l	NA	12/17/2021 11:40
Carr: BARIUM	96.3		40-110	%REC	DL = NA	12/17/2021 11:40
Radium-228 Analysis by GFPC		SOP	724	Prep	Date: 12/6/2021	PrepBy: HLR
COMBINED RADIUM (226+228)	2.04 (+/- 0)		0.9	pCi/l	NA	12/17/2021 09:46
Ra-228	2.04 (+/- 0.68)		0.9	pCi/l	NA	12/10/2021 09:46
Carr: BARIUM	97.9		40-110	%REC	DL = NA	12/10/2021 09:46

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SAMPLE SUMMARY REPORT

 Client:
 ALS Environmental
 Date:
 11-Jan-22

 Project:
 HS21100884
 Work Order:
 2112028

 Sample ID:
 MW-21
 Lab ID:
 2112028-4

Legal Location: Matrix: WATER

Collection Date: 10/13/2021 17:35 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation	- Method 903.1	SOP	783	Prep	Date: 12/13/2021	PrepBy: HLR
Ra-226	0.55 (+/- 0.4)		0.51	pCi/l	NA	12/17/2021 11:40
Carr: BARIUM	87.8		40-110	%REC	DL = NA	12/17/2021 11:40
Radium-228 Analysis by GFPC		SOP	724	Prep	Date: 12/6/2021	PrepBy: HLR
COMBINED RADIUM (226+228)	2.94 (+/- 0)		0.92	pCi/l	NA	12/17/2021 09:30
Ra-228	2.39 (+/- 0.76)		0.92	pCi/l	NA	12/10/2021 09:30
Carr: BARIUM	94.5		40-110	%REC	DL = NA	12/10/2021 09:30

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SAMPLE SUMMARY REPORT

 Client:
 ALS Environmental
 Date: 11-Jan-22

 Project:
 HS21100884
 Work Order: 2112028

 Sample ID:
 DUP 3
 Lab ID: 2112028-5

Legal Location: Matrix: WATER

Collection Date: 10/13/2021 17:35 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation	- Method 903.1	SOF	783	Prep	Date: 12/13/2021	PrepBy: HLR
Ra-226	0.51 (+/- 0.31)		0.32	pCi/l	NA	12/17/2021 11:40
Carr: BARIUM	93.9		40-110	%REC	DL = NA	12/17/2021 11:40
Radium-228 Analysis by GFPC		SOF	724	Prep	Date: 12/6/2021	PrepBy: HLR
COMBINED RADIUM (226+228)	2.58 (+/- 0)		0.9	pCi/l	NA	12/17/2021 09:30
Ra-228	2.07 (+/- 0.69)		0.9	pCi/l	NA	12/10/2021 09:30
Carr: BARILIM	94.3		40-110	%RFC	DI – NA	12/10/2021 09:30

AR Page 5 of 6 13 of 16

SAMPLE SUMMARY REPORT

Client: ALS Environmental Date: 11-Jan-22

Project: HS21100884 **Work Order:** 2112028

Sample ID: DUP 3 Lab ID: 2112028-5
Legal Location: Matrix: WATER

Collection Date: 10/13/2021 17:35 Percent Moisture:

Report Dilution
Analyses Result Qual Limit Units Factor Date Analyzed

Explanation of Qualifiers

Radiochemistry:

- "Report Limit" is the MDC

U or ND - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.

Y2 - Chemical Yield outside default limits.

W - DER is greater than Warning Limit of 1.42

* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.

- Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.

G - Sample density differs by more than 15% of LCS density.

D - DER is greater than Control Limit

M - Requested MDC not met.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

L - LCS Recovery below lower control limit.

H - LCS Recovery above upper control limit.

P - LCS, Matrix Spike Recovery within control limits.

N - Matrix Spike Recovery outside control limits

NC - Not Calculated for duplicate results less than 5 times MDC

B - Analyte concentration greater than MDC.

B3 - Analyte concentration greater than MDC but less than Requested

MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).

U or ND - Indicates that the compound was analyzed for but not detected.

E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

M - Duplicate injection precision was not met

N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

* - Duplicate analysis (relative percent difference) not within control limits.

S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.

- B Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
- E Analyte concentration exceeds the upper level of the calibration range.
- J Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
- A A tentatively identified compound is a suspected aldol-condensation product.
- X The analyte was diluted below an accurate quantitation level.
- * The spike recovery is equal to or outside the control criteria used.
- + The relative percent difference (RPD) equals or exceeds the control criteria.
- G A pattern resembling gasoline was detected in this sample.
- D A pattern resembling diesel was detected in this sample
- M A pattern resembling motor oil was detected in this sample.
- C A pattern resembling crude oil was detected in this sample.
- 4 A pattern resembling JP-4 was detected in this sample.
- 5 A pattern resembling JP-5 was detected in this sample.
- H Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
- gasoline
- JP-8
- dieselmineral spirits
- mineral spirits
 motor oil
- Stoddard solvent
- bunker C

Client: ALS Environmental

Work Order: 2112028 **Project:** HS21100884 **Date:** 1/11/2022 11:11

QC BATCH REPORT

Batch ID: F	RE211213-10-1	Instrument ID Alp	oha Scin		Method: F	Radium-226	by Rado	n Emanation				
DUP	Sample ID: 2112028-4				ι	Inits: pCi/l		Analys	is Date:	12/17/20	21 11:40)
Client ID: N	MW-21	Run II	D: RE211213 -	10A			Р	rep Date: 12/1	3/2021	DF:	NA	
Analyte		Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Ra-226		0.16 (+/- 0.16)	0.22						0.55	0.9	2.1	Y1,U
Carr: BARI	IUM	34700		34390		101	40-110		31020)		Y1
LCS	Sample ID: RE211213-1	0			Ĺ	Inits: pCi/l		Analysis Date: 12/17/2021 11:12			2	
Client ID:		Run II	D: RE211213 -	10A	Prep Date: 12/13/20			3/2021	DF: NA			
Analyte		Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Ra-226		49 (+/- 12)	1	46.42		105	67-120					Р
Carr: BARI	IUM	33220		34390		96.6	40-110					
МВ	Sample ID: RE211213-1	0			Ĺ	Inits: pCi/l		Analys	is Date:	12/17/20	21 11:1:	2
Client ID:		Run II	D: RE211213 -	10A			Р	rep Date: 12/1	3/2021	DF:	NA	
Analyte		Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Ra-226		0.03 (+/- 0.17)	0.35									U
Carr: BARI	IUM	33770		34380		98.2	40-110					
The follow	wing samples were analyze	ed in this batch:	21120 21120	-	21120 21120	_	2112	2028-3			_	

QC Page: 1 of 2

Client: ALS Environmental

Work Order: 2112028 **Project:** HS21100884

QC BATCH REPORT

Batch ID: R	RA211206-1-1	nstrument ID GA	SPROP		Method: R	adium-228	3 Analysis	by GFPC				
DUP	Sample ID: 2112028-4				U	nits: ug		Analys	is Date: 1	2/10/20	21 09:46	6
Client ID: N	/IW-21	Run II	D: RA211206 -	1A			Pr	ep Date: 12/6	/2021	DF:	NA	
Analyte		Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Carr: BARI	UM	37070		38880		95.3	40-110		37610			
COMBINED	RADIUM (226+228)	0 (+/- 0)	0.94						2.94			U
Ra-228		0.67 (+/- 0.48)	0.94						2.39	1.9	2.1	U
LCS	Sample ID: RA211206-1				U	nits: ug		Analysis Date: 12/10/2021 09:46				5
Client ID:		Run II	D: RA211206-	1A			Pr	ep Date: 12/6	/2021	DF:	NA	
Analyte		Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Carr: BARI	UM	37030		38880		95.3	40-110					
Ra-228		26.8 (+/- 6.2)	0.8	22.82		117	70-130					Р
МВ	Sample ID: RA211206-1				U	nits: ug		Analys	is Date: 1	2/10/20	21 09:46	5
Client ID:		Run II	D: RA211206 -	1A			Pr	ep Date: 12/6	/2021	DF:	NA	
Analyte		Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Carr: BARI	UM	36730		38870		94.5	40-110					
Ra-228		0.57 (+/- 0.43)	0.84									U
The follow	wing samples were analyze	d in this batch:	21120 21120	-	21120 21120	_	21120	028-3				

QC Page: 2 of 2



Ft. Collins, Colorado LIMS Version: 7.025b Page 1 of 1

Wednesday, January 12, 2022

Ragen Giga ALS Environmental 10450 Stancliff Rd, Suite 210 Houston, TX 77099

Re: ALS Workorder: 2112513

Project Name:

Project Number: HS21100884

Dear Mr. Giga:

Eight water samples were received from ALS Environmental, on 10/19/2021. The samples were scheduled for the following analysis:

Radium-226

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental Janice Winn-Shilling Project Manager <u>Accreditations</u>: ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

ALC Facinages	stal Fast Calling
ALS Environme	ental – Fort Collins
Accreditation Body	License or Certification Number
Arizona	AZ0828
California (CA)	2926
Colorado (CO)	CO01099
Florida (FL)	E87914
Idaho (ID)	CO01099
Kansas (KS)	E-10381
Kentucky (KY)	90137
Oklahoma	1301
PJLA (DoD ELAP/ISO 170250)	95377
PJLA (DOE-AP/ISO 17025)	95377
Maryland (MD)	285
Missouri (MO)	175
Nebraska(NE)	NE-OS-24-13
Nevada (NV)	CO010992018-1
New York (NY)	12036
North Dakota (ND)	R-057
Oklahoma (OK)	1301
Pennsylvania (PA)	68-03116
Tennessee (TN)	TN02976
Texas (TX)	T104704241
Utah (UT)	CO01099
Washington (WA)	C1280
Virginia	460305

40 CFR Part 136: All_analyses for Clean Water Act samples are analyzed using the 40 CFR Part 136 specified method and include all the QC requirements.



2112513

This is a re-log of work order 2110431.

Radium-228:

The samples were analyzed for the presence of ²²⁸Ra by low background gas flow proportional counting of ²²⁸Ac, which is the ingrown progeny of ²²⁸Ra, according to the current revision of EPA 904.0.

All acceptance criteria were met.

Radium-226:

The samples were prepared and analyzed according to the current revision of EPA 903.1, with procedure modifications outlined in QASS #452769.

All acceptance criteria were met.

Sample Number(s) Cross-Reference Table

OrderNum: 2112513

Client Name: ALS Environmental

Client Project Name:

Client Project Number: HS21100884 Client PO Number: Hs21100884

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
MW-5S	2112513-1		WATER	14-Oct-21	15:00
MW-7S	2112513-2		WATER	14-Oct-21	11:16
MW-13	2112513-3		WATER	14-Oct-21	13:07
MW-16	2112513-4		WATER	14-Oct-21	16:43
MW-17	2112513-5		WATER	14-Oct-21	17:50
MW-18	2112513-6		WATER	14-Oct-21	19:15
MW-19S	2112513-7		WATER	15-Oct-21	12:02
MW-20	2112513-8		WATER	15-Oct-21	10:00





10450 Stancliff Rd, Ste 210 Houston, TX 77099

T: +1 281 530 5656 F: +1 281 530 5887 www.alsglobal.com

Subcontract Chain of Custody

SAMPLING STATE: Oklahoma

COC ID: 17110

SUBCONTRACT TO:

ALS Environmental, Fort Collins 225 Commerce Drive Fort Collins, CO 80524

Phone: +1 970 490 1511

CUSTOMER INFORMATION:

Company: ALS Houston **Contact:** Ragen Giga

Address: 10450 Stancliff Rd, Ste 210

+1 281 530 5656 Phone:

Email: RagenP.Giga@ALSGlobal.com

Alternate Contact:

Jumoke M. Lawal

Email: jumoke.lawal@aisglobal.com

INVOICE INFORMATION:

Company: **ALS Houston**

Contact: **Accounts Payable**

Address: 10450 Stancliff Rd, Ste 210

Phone: +1 281 530 5656

Reference: HS21100884 TSR:

Sonia West

	LAB SAMPLE ID CLIENT SAMPLE ID ANALYSIS REQUESTED	MATRIX	COLLECT DATE
- 1.	HS21100884-06 MW-5S	Water	DUE DATE 14 Oct 2021 15:00
	Report as combined 226 & 228	Water	29 Oct 2021
	Report as combined 226 & 228		29 Oct 2021
2.	HS21100884-07 MW-7S	Water	15 Oct 2021 11:16
	Report as combined 226 & 228		29 Oct 2021
	Report as combined 226 & 228		29 Oct 2021
3.	HS21100884-08 MW-13	Water	15 Oct 2021 13:07
	Report as combined 226 & 228		29 Oct 2021
	Report as combined 226 & 228		29 Oct 2021
4.	HS21100884-09 MW-16	Water	14 Oct 2021 16:43
	Report as combined 226 & 228		29 Oct 2021
	Report as combined 226 & 228		29 Oct 2021
5.	HS21100884-10 MW-17	Water	14 Oct 2021 17:50
	Report as combined 226 & 228		29 Oct 2021
	Report as combined 226 & 228		29 Oct 2021
6.	HS21100884-11 MW-18	Water	14 Oct 2021 19:15
	Report as combined 226 & 228		29 Oct 2021
	Report as combined 226 & 228		29 Oct 2021



2110431

JWS

Subcontract Chain of Custody

SAMPLING STATE: Oklahoma COC ID: 17110

LAB SAMPLE ID **CLIENT SAMPLE ID MATRIX COLLECT DATE ANALYSIS REQUESTED DUE DATE** HS21100884-12 7. MW-19S Water 15 Oct 2021 12:02 29 Oct 2021 Report as combined 226 & 228 Report as combined 226 & 228 29 Oct 2021 8. HS21100884-13 MW-20 Water 15 Oct 2021 10:00 Report as combined 226 & 228 29 Oct 2021

Comments: Please analyze for the analysis listed above.

Report as combined 226 & 228

Send report to the emails shown above.

QC Level: STD (Laboratory Standard QC: method blank and LCS required)

Relinquished By:

Received By:

Cooler ID(s):

Date/Time:

10/18/2021

29 Oct 2021

1800

Date/Time:

Temperature(s):

1515

16 Oct 2021

Page 2 of 2



ALS Environmental - Fort Collins CONDITION OF SAMPLE UPON RECEIPT FORM

Client:	ALS TEXAS	Work	korder No:	2	110431				
Project Manager:	JWS	Initials	s: <u>KC</u>	Date:	10/	19/2021			
					N/A	YES	NO		
1. Are airbills / shipping docu	uments present and/or re	emovable?				V			
Tracking number: 5300 5	223 6813					Х			
2. Are custody seals on ship	ping containers intact?					Χ			
3. Are custody seals on sam	ple containers intact?				X				
4. Is there a COC (chain-of-c	ustody) present?					Χ			
Is the COC in agreement v	•	Ds, dates, times, ‡	of sample	es, # of		Х			
containers, matrix, reques									
6. Are short-hold samples pr							Х		
Are all samples within hol			Χ						
· ·	/ere all sample containers received intact? (not broken or leaking)								
9. Is there sufficient sample	for the requested analyse	es?				Х			
10. Are samples in proper cor Guidelines)									
11. Are all aqueous samples p)		Χ						
Are all samples requiring a > 6 mm (1/4 inch) diamet	• • • • • • • • • • • • • • • • • • • •		on) free of	bubbles	Х				
Were the samples shipped	d on ice?						Х		
^{14.} Were cooler temperatures m	neasured at 0.1-6.0°C?	IR gun used*: #5			RAD ONLY				
Cooler #: 1	•		•						
Temperature (°С): АМ									
# of custody seals on cooler: 2									
External μR/hr reading: 11									
Background µR/hr reading: 10									
Were external μR/hr readings ≤ two	times background and within DOT	acceptance criteria?	YES						
* Please provide details here for	NO responses to boxes abov	e - for 2 thru 5 & 7	7 thru 12, no	tify PM &	continue	w/ login.			
Were unpreserved bottles	pH checked? NA	All client bottl	e ID's vs AL	S lab ID's o	double-ch	ecked by	: KC		
If applicable, was the client contact	ed? YES / NO / NA Contact:	- E			Date/1	īme:			
Project Manager Signature / Da	ate:	5)wx	_		_	10/	21/21		





ORIGIN ID:SGRA (281) 530-5656 SAMPLE RECEIVING ALS LABORATORY GROUP 10450 STANCLIFF ROAD SUITE 210 HOUSTON: TX 77099 UNITED STATES US

BILL THIRD PARTY

SAMPLE RECEIVING

FORT COLLINS CO 80524
(970) 490-1511
REF: H821100884 - RG

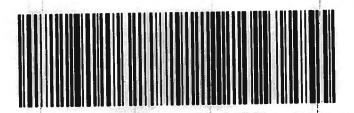
S70C3/14Ba/GF4D

TRK# 5300 5223 6813

TUE - 19 OCT 10:30A PRIORITY OVERNIGHT

NL FTCA

80524 s DEN



SAMPLE SUMMARY REPORT

Client:ALS EnvironmentalDate:12-Jan-22Project:HS21100884Work Order:2112513Sample ID:MW-5SLab ID:2112513-1Legal Location:Matrix:WATER

Collection Date: 10/14/2021 15:00 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation -	Method 903.1	SOF	783	Prep	Date: 1/10/2022	PrepBy: HLR
Ra-226	0.06 (+/- 0.24)	U	0.44	pCi/l	NA	1/12/2022 11:24
Carr: BARIUM	92.3		40-110	%REC	DL = NA	1/12/2022 11:24
Radium-228 Analysis by GFPC		SOF	724	Prep	Date: 12/30/2021	PrepBy: MMS
COMBINED RADIUM (226+228)	1.28 (+/- 0)		0.92	pCi/l	NA	1/12/2022 09:30
Ra-228	1.28 (+/- 0.56)		0.92	pCi/l	NA	1/7/2022 09:30
Carr: BARIUM	89.2		40-110	%REC	DL = NA	1/7/2022 09:30

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SAMPLE SUMMARY REPORT

Client:ALS EnvironmentalDate: 12-Jan-22Project:HS21100884Work Order: 2112513Sample ID:MW-7SLab ID: 2112513-2Legal Location:Matrix: WATER

Collection Date: 10/14/2021 11:16 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation -	Method 903.1	SOF	783	Prep	Date: 1/10/2022	PrepBy: HLR
Ra-226	0.17 (+/- 0.31)	U	0.52	pCi/l	NA	1/12/2022 11:24
Carr: BARIUM	90.5		40-110	%REC	DL = NA	1/12/2022 11:24
Radium-228 Analysis by GFPC		SOF	724	Prep	Date: 12/30/2021	PrepBy: MMS
COMBINED RADIUM (226+228)	1.95 (+/- 0)		0.91	pCi/l	NA	1/12/2022 09:30
Ra-228	1.95 (+/- 0.68)		0.91	pCi/l	NA	1/7/2022 09:30
Carr: BARIUM	91.2		40-110	%REC	DI = NA	1/7/2022 09:30

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SAMPLE SUMMARY REPORT

Client:ALS EnvironmentalDate: 12-Jan-22Project:HS21100884Work Order: 2112513Sample ID:MW-13Lab ID: 2112513-3Legal Location:Matrix: WATER

Collection Date: 10/14/2021 13:07 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation	- Method 903.1	SOP	783	Prep	Date: 1/10/2022	PrepBy: HLR
Ra-226	0.22 (+/- 0.34)	U	0.56	pCi/l	NA	1/12/2022 11:24
Carr: BARIUM	93.9		40-110	%REC	DL = NA	1/12/2022 11:24
Radium-228 Analysis by GFPC		SOP	724	Prep	Date: 12/30/2021	PrepBy: MMS
COMBINED RADIUM (226+228)	1.75 (+/- 0)		0.92	pCi/l	NA	1/12/2022 09:30
Ra-228	1.75 (+/- 0.64)		0.92	pCi/l	NA	1/7/2022 09:30
Carr: BARIUM	90.1		40-110	%REC	DL = NA	1/7/2022 09:30

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SAMPLE SUMMARY REPORT

Client:ALS EnvironmentalDate: 12-Jan-22Project:HS21100884Work Order: 2112513Sample ID:MW-16Lab ID: 2112513-4Legal Location:Matrix: WATER

Collection Date: 10/14/2021 16:43 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation -	Method 903.1	SOF	783	Prep	Date: 1/10/2022	PrepBy: HLR
Ra-226	0.22 (+/- 0.3)	U	0.47	pCi/l	NA	1/12/2022 11:24
Carr: BARIUM	95.1		40-110	%REC	DL = NA	1/12/2022 11:24
Radium-228 Analysis by GFPC		SOF	724	Prep	Date: 12/30/2021	PrepBy: MMS
COMBINED RADIUM (226+228)	1.82 (+/- 0)		0.91	pCi/l	NA	1/12/2022 09:30
Ra-228	1.82 (+/- 0.65)		0.91	pCi/l	NA	1/7/2022 09:30
Carr: BARIUM	92.9		40-110	%REC	DL = NA	1/7/2022 09:30

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SAMPLE SUMMARY REPORT

 Client:
 ALS Environmental
 Date: 12-Jan-22

 Project:
 HS21100884
 Work Order: 2112513

 Sample ID:
 MW-17
 Lab ID: 2112513-5

Legal Location: Matrix: WATER

Collection Date: 10/14/2021 17:50 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation - Method 903.1		SOF	SOP 783		Date: 1/10/2022	PrepBy: HLR
Ra-226	0.03 (+/- 0.27)	U	0.51	pCi/l	NA	1/12/2022 11:24
Carr: BARIUM	98.3		40-110	%REC	DL = NA	1/12/2022 11:24
Radium-228 Analysis by GFPC		SOF	724	Prep	Date: 12/30/2021	PrepBy: MMS
COMBINED RADIUM (226+228)	0.97 (+/- 0)		0.94	pCi/l	NA	1/12/2022 09:30
Ra-228	0.97 (+/- 0.52)		0.94	pCi/l	NA	1/7/2022 09:30
Carr. BARILIM	92 6		40-110	%RFC	DI – NA	1/7/2022 09:30

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SAMPLE SUMMARY REPORT

Client:ALS EnvironmentalDate: 12-Jan-22Project:HS21100884Work Order: 2112513Sample ID:MW-18Lab ID: 2112513-6Legal Location:Matrix: WATER

Collection Date: 10/14/2021 19:15 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation	- Method 903.1	SOF	783	Prep	Date: 1/10/2022	PrepBy: HLR
Ra-226	-0.04 (+/- 0.18)	U	0.34	pCi/l	NA	1/12/2022 11:24
Carr: BARIUM	95.9		40-110	%REC	DL = NA	1/12/2022 11:24
Radium-228 Analysis by GFPC		SOF	724	Prep	Date: 12/30/2021	PrepBy: MMS
COMBINED RADIUM (226+228)	1.05 (+/- 0)		0.83	pCi/l	NA	1/12/2022 09:13
Ra-228	1.05 (+/- 0.49)		0.83	pCi/l	NA	1/7/2022 09:13
Carr: BARILIM	91.9		40-110	%RFC	DI – NA	1/7/2022 09:13

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SAMPLE SUMMARY REPORT

Client:ALS EnvironmentalDate: 12-Jan-22Project:HS21100884Work Order: 2112513Sample ID:MW-19SLab ID: 2112513-7Legal Location:Matrix: WATER

Collection Date: 10/15/2021 12:02 Percent Moisture:

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation -	- Method 903.1	SOF	783	Prep	Date: 1/10/2022	PrepBy: HLR
Ra-226	0.19 (+/- 0.2)	U	0.27	pCi/l	NA	1/12/2022 11:24
Carr: BARIUM	95.6		40-110	%REC	DL = NA	1/12/2022 11:24
Radium-228 Analysis by GFPC		SOF	724	Prep	Date: 12/30/2021	PrepBy: MMS
COMBINED RADIUM (226+228)	0 (+/- 0)	U	0.84	pCi/l	NA	1/12/2022 09:13
Ra-228	0.67 (+/- 0.44)	U	0.84	pCi/l	NA	1/7/2022 09:13
Carr: BARIUM	93.7		40-110	%REC	DL = NA	1/7/2022 09:13

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ALS -- Fort Collins

SAMPLE SUMMARY REPORT

Date: 12-Jan-22 **Client: ALS** Environmental **Project:** HS21100884 **Work Order: 2112513** Sample ID: MW-20 **Lab ID:** 2112513-8 **Legal Location:**

Matrix: WATER

Percent Moisture: Collection Date: 10/15/2021 10:00

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Radium-226 by Radon Emanation -	Method 903.1	SOP	783	Prep	Date: 1/10/2022	PrepBy: HLR
Ra-226	0.36 (+/- 0.3)	U	0.39	pCi/l	NA	1/12/2022 11:45
Carr: BARIUM	93.4		40-110	%REC	DL = NA	1/12/2022 11:45
Radium-228 Analysis by GFPC		SOP	724	Prep	Date: 12/30/2021	PrepBy: MMS
COMBINED RADIUM (226+228)	0.91 (+/- 0)		0.87	pCi/l	NA	1/12/2022 09:13
Ra-228	0.91 (+/- 0.48)		0.87	pCi/l	NA	1/7/2022 09:13
Carr: BARIUM	92		40-110	%REC	DL = NA	1/7/2022 09:13

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ALS -- Fort Collins

SAMPLE SUMMARY REPORT

Client: ALS Environmental Date: 12-Jan-22

Project: HS21100884 **Work Order:** 2112513

Sample ID: MW-20 Lab ID: 2112513-8
Legal Location: Matrix: WATER

Collection Date: 10/15/2021 10:00 Percent Moisture:

Report Dilution
Analyses Result Qual Limit Units Factor Date Analyzed

Explanation of Qualifiers

Radiochemistry:

- "Report Limit" is the MDC

U or ND - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.

Y2 - Chemical Yield outside default limits.

W - DER is greater than Warning Limit of 1.42

* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.

- Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.

G - Sample density differs by more than 15% of LCS density.

D - DER is greater than Control Limit

M - Requested MDC not met.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

L - LCS Recovery below lower control limit.

H - LCS Recovery above upper control limit.

P - LCS, Matrix Spike Recovery within control limits.

N - Matrix Spike Recovery outside control limits

NC - Not Calculated for duplicate results less than 5 times MDC

B - Analyte concentration greater than MDC.

B3 - Analyte concentration greater than MDC but less than Requested

MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).

U or ND - Indicates that the compound was analyzed for but not detected.

E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

M - Duplicate injection precision was not met

N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

* - Duplicate analysis (relative percent difference) not within control limits.

S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.

- B Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
- E Analyte concentration exceeds the upper level of the calibration range.
- J Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
- A A tentatively identified compound is a suspected aldol-condensation product.
- X The analyte was diluted below an accurate quantitation level.
- * The spike recovery is equal to or outside the control criteria used.
- + The relative percent difference (RPD) equals or exceeds the control criteria.
- G A pattern resembling gasoline was detected in this sample.
- D A pattern resembling diesel was detected in this sample
- M A pattern resembling motor oil was detected in this sample.
- C A pattern resembling crude oil was detected in this sample.
- 4 A pattern resembling JP-4 was detected in this sample.
- 5 A pattern resembling JP-5 was detected in this sample.
- H Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
- gasoline
- JP-8
- dieselmineral spirits
- mineral spirits
 motor oil
- Stoddard solvent
- bunker C

ALS -- Fort Collins

Client: ALS Environmental

Work Order: 2112513 **Project:** HS21100884 **Date:** 1/12/2022 12:32

QC BATCH REPORT

LCS	Sample ID:	RE220110-1				Uı	nits: pCi/l		Analysi	s Date:	1/12/202	2 11:45	
Client ID:			Run II	D: RE220110 -	1A			P	rep Date: 1/10	/2022	DF:	NA	
Analyte			Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Ra-226			49 (+/- 12)	0	46.42		105	67-120					Р
Carr: BARI	UM		33420		36450		91.7	40-110					
LCSD	Sample ID:	RE220110-1				Uı	nits: pCi/l		Analysi	s Date:	1/12/202	2 11:45	
Client ID:			Run II	D: RE220110-	1A			P	rep Date: 1/10	/2022	DF:	NA	
Analyte			Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Ra-226			47 (+/- 12)	0	46.42		100	67-120		4	9 0.1	2.1	Р
Carr: BARI	UM		33120		36460		90.9	40-110		3342	20		
МВ	Sample ID:	RE220110-1				Uı	nits: pCi/l		Analysi	s Date:	1/12/202	2 11:45	
Client ID:			Run II	D: RE220110-	1A			P	rep Date: 1/10	/2022	DF:	NA	
Analyte			Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Ra-226			-0.16 (+/- 0.2)	0.49									U
Carr: BARI	UM		34680		36460		95.1	40-110					
The follow	ving samples	were analyzed	in this batch:	21125 21125 21125	513-4	21125° 21125° 21125°	3-5		2513-3 2513-6				

Client: ALS Environmental

Work Order: 2112513 **Project:** HS21100884

QC BATCH REPORT

LCS	Sample ID: RA211230-1				Uı	nits: ug		Analysi	s Date: 1	/7/2022	09:13	
Client ID:	·	Run II	D: RA211230 -	1A			Pi	rep Date: 12/3	0/2021	DF:	NA	
Analyte		Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Carr: BARII	UM	29600		32600		90.8	40-110					
Ra-228		20.4 (+/- 4.8)	0.8	22.61		90.3	70-130					Р
LCSD	Sample ID: RA211230-1				Uı	nits: ug		Analysi	s Date: 1	/7/2022	09:13	
Client ID:		Run II	D: RA211230-	1A			Pı	rep Date: 12/3	0/2021	DF:	NA	
Analyte		Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Carr: BARII	UM	30100		32600		92.3	40-110		29600			
Ra-228		21.5 (+/- 5)	0.8	22.61		94.9	70-130		20.4	0.1	2.1	Р
MB	Sample ID: RA211230-1				Uı	nits: ug		Analysi	s Date: 1	/7/2022	09:13	
Client ID:		Run II	D: RA211230 -	1A			Pi	rep Date: 12/3	0/2021	DF:	NA	
Analyte		Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	DER Ref	DER	DER Limit	Qual
Carr: BARII	UM	30350		32600		93.1	40-110					
Ra-228		0.47 (+/- 0.42)	0.86									U
The follow	ving samples were analyzed	d in this batch:	21125 21125 21125	513-4	211251 211251 211251	13-5	21129 21129					

QC Page: 2 of 2

QUALITY ASSURANCE SUMMARY SHEET

TEST METHOD SOP/REV (PREP) SOP/REV (ANAL) riefly document any QA or other problems or deviations associated with the analomples. Problems could result from: log-in, color, odor, dilution, consistency, cheduling, equipment, or instrumentation, or may include documentation of minor eviations necessary due to unique DQO's or sample characteristics. In order to establish an accurate chemical yield for samples prepped sequentially Ra-226 by Radon Emanation from the Ra-228 protocol, the following procedure we	•
SOP/REV (PREP) SOP/REV (ANAL) riefly document any QA or other problems or deviations associated with the analymples. Problems could result from: log-in, color, odor, dilution, consistency, cheduling, equipment, or instrumentation, or may include documentation of minor eviations necessary due to unique DQO's or sample characteristics. Jeguna 127/16 In order to establish an accurate chemical yield for samples prepped sequentially	•
riefly document any QA or other problems or deviations associated with the analymples. Problems could result from: log-in, color, odor, dilution, consistency, cheduling, equipment, or instrumentation, or may include documentation of minor eviations necessary due to unique DQO's or sample characteristics. In order to establish an accurate chemical yield for samples prepped sequentially	•
riefly document any QA or other problems or deviations associated with the analymples. Problems could result from: log-in, color, odor, dilution, consistency, cheduling, equipment, or instrumentation, or may include documentation of minor eviations necessary due to unique DQO's or sample characteristics. [10] 10 order to establish an accurate chemical yield for samples prepped sequentially	•
In order to establish an accurate chemical yield for samples prepped sequentially	•
mples. Problems could result from: log-in, color, odor, dilution, consistency, heduling, equipment, or instrumentation, or may include documentation of mino eviations necessary due to unique DQO's or sample characteristics. In order to establish an accurate chemical yield for samples prepped sequentially	•
heduling, equipment, or instrumentation, or may include documentation of minorizations necessary due to unique DQO's or sample characteristics. [] [27] [6] In order to establish an accurate chemical yield for samples prepped sequentially	or
viations necessary due to unique DQO's or sample characteristics. Jeb 127/6 In order to establish an accurate chemical yield for samples prepped sequentially	or
In order to establish an accurate chemical yield for samples prepped sequentially	
In order to establish an accurate chemical yield for samples prepped sequentially	
	for
The first of the following the first the first of the following blockbulle w	
followed:	vd2
After Ra-228 was plancheted, the 40mL of sample dissolved in EDTA an	ad .
NaOH was diluted in a 200ml cup to approximately 150mL with DI wate	
2. One mL of lead carrier, transfer pipette of phenolphthalein, and 10mL of	
18N H ₂ SO ₄ were added to the cup on a stirring hotplate.	
3. $6N H_2SO_4$ was added from a squeeze bottle until a pink color was achiev	ا المحد
· · · · · · · · · · · · · · · · · · ·	/ea
 Additional 6N H₂SO₄ was added slowly until the pH dropped enough tha the phenolphthalein lost color. 	
5. The pH was checked to ensure that the sample solution was slightly acid	ved.
6. After stirring for five minutes, the stir bar was removed, and the sample	aic.
was allowed to settle for two hours.	
7. The supernatant was decanted, and the precipitate was transferred wit	_
1N H ₂ SO ₄ to a 50mL centrifuge tube.	.n _
8. The precipitate was spun down, and the supernatant discarded.	
9. The resultant precipitate pellet was dissolved in 25mL of EDTA.	-
10. A new final ICP aliquot of .1mL was taken and diluted to 10mL.	
11. The barium recovery specific to Ra-226 by Radon Emanation was	_
calculated from this new final ICP.	
Ava 112/11	
JHD 1/17/16	
A	,
ECHNICIAN/ANALYST / DATE //2	7/16
	7/16
EPARTMENT MANAGER (15 ET) DATE 127	7/16

FORM 302r6.doc (4/22/04)

ATTACHMENT B

DATA SUMMARY TABLES (LANDFILL CCR UNIT)

Parameters SMC Get Man Act. Mon Semple ID: Mon																	
Descript Membring Parameter State Parameter State Parameter State Parameter State Parameter State Parameter State Parameter Parameter					Sample ID:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	DUP 2	MW-3	MW-3		MW-3 (Deep)
Conclose Control Con	Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	25-May-16	27-Jul-16	28-Sep-16	1-Dec-16	31-Jan-17	5-Apr-17	6-Jun-17	6-Jun-17	8-Aug-17	17-May-18	1-Aug-18	9-Aug-18
Property Property	Detection Monitoring Parame	ters			Units			INITIAL EIG	SHT SAMPLES TO) ESTABLISH BA	CKGROUND						VERIFICATION SAMPLE
Celebrate 2.0 1.0			1.896	Not Applicable		1.09	1.17	1.1	1.7	1.28 J*	0.88	1.15	1.2	1.06	1.23	1.12	1.25
Fleeting 4	Calcium	None	670.30	Not Applicable		255	296	242	405	227	357	315	309	371	227	205	255
Per Control Column Col																	13.4
Surface Surf																	0.291
Teal Content																	7.3
Automated Monitoring Parameters Difference Differen																	1170 2160
Arrangon Color Not Applicable Color (MCL) mgl. <																	

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis. 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL or	Established Background	Established GWPS	Sample ID:	MW-3	MV	V-3	MW-3	MW-3	MW-3	MW-3	DUP 3	MW-3	MW-3
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	4-Oct-18	11-J	an-19	24-Apr-19	2-Oct-19	17-Jun-20	8-0	ct-20	31-Mar-21	13-Oct-21
Detection Monitoring Parame	eters			Units	ASSESSMENT MON. #1	(RESAMPLE)	NT MON. #1 UNFILTERED ERED	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	ASSESSME	ENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Boron	None	1.896	Not Applicable	mg/L	1.06	1.05	1	1.39	1.06	1.16	0.903	0.946	1.01	0.939
Calcium	None	670.30	Not Applicable	mg/L	206	198	225	225	213	214	183	181	207	155
Chloride	250	18.51	Not Applicable	mg/L	13.8	13.4	16.3	13	13.7	13.7	13.8	13.8	14	12.7
Fluoride	4	0.6359	Not Applicable	mg/L	0.318	0.373	0.52	0.396 J	0.319	0.203	0.328	0.337	0.376	0.258
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	7.7	7.19		7.64	7.07	6.9	7.36	7.5	7.24	5.99
Sulfate	250	1,396	Not Applicable	mg/L	1270	1220	1450	1150	1210	1240	1320	1290	1260	1,200
Total Dissolved Solids	500	2,191	Not Applicable	mg/L	2130	2110	2060	2100	2110	2150	2020	2010	2030	1,970
					ASSESSMENT	ASSESSME (RESAMPLE)	NT MON. #1 UNFILTERED	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSME	ENT MON. #5	ASSESSMENT	ASSESSMENT
Assessment Monitoring Para	ameters			Units	MON. #1	FILT	ERED	MON. #2	MON. #3	MON. #4			MON. #6	MON. #7
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.0008	<0.000400	<0.000400	<0.000400	0.000410 J	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Arsenic	0.010	Not Applicable	0.01 (MCL)	mg/L	<0.004	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	0.000474 J	0.000464 J	0.000471 J	0.000422 J
Barium	2	Not Applicable	2 (MCL)	mg/L	0.00954 J	0.0101	0.011	0.0128	0.0112	0.013	0.0159	0.0158	0.0141	0.0136
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Cadmium	0.005	Not Applicable	0.005 (MCL)	mg/L	<0.0001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	<0.005	<0.000400	<0.000400	<0.000400	0.00142 J	<0.000400	<0.000400	<0.000400	<0.000400	0.000467 J
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	0.000162 J	<0.000200	0.000208 J	0.000232 J	0.000259 J	0.000289 J	<0.000200	<0.000200	<0.000200	<0.000200
Fluoride	4	Not Applicable	4 (MCL)	mg/L	0.318	0.373	0.52	0.396 J	0.319	0.203	0.328	0.337	0.376	0.258
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	<0.0001	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600
Lithium	None	Not Applicable	0.235 (UTL)	mg/L	0.147 J	0.152	0.148	0.148	0.136	0.145	0.118	0.122	0.138	0.137
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.0001	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	0.0000760 J	0.0000610 J
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	<0.001	0.000613 J	0.000622 J	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	0.000629 J
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	<0.0003	<0.00110	<0.0011	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110
Thallium	0.002	Not Applicable	0.002 (MCL)	mg/L pCi/L	<0.0008	0.000560 J	0.000499 J	<0.000200	0.000466 J	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	pCi/L	1.45 +/- 0.444	<0.67		<0.69	<0.79	1.02	1.65	1.7	1.43	<0.96
					ASSESSMENT MON. #1	ASSESSME (RESAMPLE)	UNFILTERED	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	ASSESSME	ENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Other Parameters				Units			ERED	5.00						
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	mg/L	<5	<5		<5.00	<5.00		<5.00	<5.00	<5.00	12.0 J
Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L										
Carbonate Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L		<5								
Bicarbonate Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L		318 <5								
Hydroxide Alkalinity Iron, Total	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L										
Iron, Dissolved	None	Not Applicable	Not Applicable	mg/L mg/L										
Iron, Ferrous	None	Not Applicable	Not Applicable	IIIg/L										
			Not Applicable	ma/l	-	l								
Illron Ferrous Dissolved			Not Applicable	mg/L										
Iron, Ferrous, Dissolved	None	Not Applicable	Not Applicable	mg/L		l								
Iron, Ferric	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L			 	 			 			
Iron, Ferric Iron, Ferric, Dissolved	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L			 							
Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L		 23.7	 25.3	 	 	 	 			
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L		 23.7	 25.3	 	 	 		 		
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L	 <0.05	23.7 0.47	25.3 0.488	 1.57	 0.2	 <0.0300	 <0.0300	 <0.0300	 <0.0600	 <0.0600
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 <0.05	23.7 0.47 8.17	25.3 0.488 8.4	 1.57	 0.2	 <0.0300	 <0.0300	 <0.0300		 <0.0600
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 <0.05	23.7 0.47 8.17 388	25.3 0.488 8.4 429	 1.57	 0.2	 <0.0300	 <0.0300	 <0.0300	 <0.0600	 <0.0600
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 <0.05	23.7 0.47 8.17	25.3 0.488 8.4	 1.57	0.2	 <0.0300	 <0.0300	 <0.0300	 <0.0600	 <0.0600
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 <0.05 2520	23.7 23.7 0.47 8.17 388 2730 ASSESSME (RESAMPLE)	25.3 0.488 8.4 429 INT MON. #1 UNFILTERED	1.57	0.2	<0.0300	 <0.0300 2980	 <0.0300 2970	 <0.0600 2630	 <0.0600 2680
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 <0.05 2520 ASSESSMENT MON. #1	23.7 23.7 0.47 8.17 388 2730 ASSESSME (RESAMPLE)	 25.3 0.488 8.4 429 	1.57 ASSESSMENT	0.2 ASSESSMENT		 <0.0300 2980 	 <0.0300 2970		
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		23.7 23.7 0.47 8.17 388 2730 ASSESSME (RESAMPLE)	25.3 0.488 8.4 429 INT MON. #1 UNFILTERED	1.57 ASSESSMENT	0.2 ASSESSMENT	 <0.0300 ASSESSMENT	 <0.0300 2980	 <0.0300 2970		
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		23.7 23.7 0.47 8.17 388 2730 ASSESSME (RESAMPLE) FILTI	 25.3 0.488 8.4 429 NT MON. #1 UNFILTERED	1.57				 <0.0300 2970 		
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		23.7 23.7 0.47 8.17 388 2730 ASSESSME (RESAMPLE) FILTI	25.3 0.488 8.4 429 WIT MON. #1 UNFILTERED ERED	1.57 ASSESSMENT MON. #2				 <0.0300 2970 		
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		23.7 23.7 0.47 8.17 388 2730 ASSESSME (RESAMPLE) FILTI 13.1 6.93 2699 0.7	25.3 0.488 8.4 429 INT MON. #1 UNFILTERED ERED					 <0.0300 2970 ENT MON. #5		
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		23.7 23.7 0.47 8.17 388 2730 ASSESSME (RESAMPLE) FILTI 13.1 6.93 2699 0.7 -12	25.3 0.488 8.4 429 WIT MON. #1 UNFILTERED ERED					 <0.0300 2970 ENT MON. #5		
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		23.7 23.7 0.47 8.17 388 2730 ASSESSME (RESAMPLE) FILTI 13.1 6.93 2699 0.7 -12 1.8	25.3 0.488 8.4 429 UNFILTERED ERED							
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		23.7 23.7 0.47 8.17 388 2730 ASSESSME (RESAMPLE) FILTI 13.1 6.93 2699 0.7 -12	25.3 0.488 8.4 429 WIT MON. #1 UNFILTERED ERED							

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 13. : 10 arialysis periorimed.

 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics.

 U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 UJ : The analyte was analyzed for, but was not detected. The reported quantity limit is approximate and may be inaccurate or imprecise.

 J* : The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

 R : The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	1401	Established	Established												MW-5S	MW-5S
	MCL	Background	GWPS	Commis ID:	MW-5S	DUP 3	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	(Shallow)	(Deep)
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample ID:	12 Doc 16	13-Dec-16	25-Jan-17	3-Feb-17	29-Mar-17	7 Apr 17	1 lun 17	0 lun 17	14 Aug 17	22 May 19	<u> </u>	
Farameters	OIIIOL	(Dot. Mon.)	(Add: Molli)	Sample Date:	13-Dec-16	13-Dec-16	25-Jan-17	3-Feb-17	29-IVIAT-17	7-Apr-17	1-Jun-17	9-Jun-17	14-Aug-17	22-May-18	1-Aug-18	10-Aug-18
														DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Detection Monitoring Parame		4.000	Nat Applicable	Units	2.50	4.07				LISH BACKGROU		1.00	4.00	4.05	4.00	2.00
Boron Calcium	None None	1.896 670.30	Not Applicable Not Applicable	mg/L mg/L	3.56 32.9	4.37 28.1	3.02 27.8	3.2 29.9	3.87 30.8	2.34 37.9	1.32 54.7	1.86 58.2	1.29 46.6	1.05 74.7	1.06 59.1	3.09 24.9 J
Chloride	250	18.51	Not Applicable	mg/L	33.2	30.5	33.2	11.3	28.2	29.8	22.3	13.3	18.7	25	18.7	26.1
Fluoride	4	0.6359	Not Applicable	mg/L	1.84 J*	1.91	1.6	1.59	1.32	1.39	1.06	1.07	1.17	1.38	1.02	1.5
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	8.2	8.3	7.9	7.8	7.8	7.9	7.4	7.5	7.5	7.6	7.7	8
Sulfate	250	626	Not Applicable	mg/L	527	540	504	501	415	469	326	321	301	369	294	384
Total Dissolved Solids	500	1,334	Not Applicable	mg/L	1230	1180	1200	1210	1070	1060	948	1010	980	950	880	1150
Assessment Monitoring Para	meters			Units			IN	ITIAI FIGHT SAM	PI ES TO ESTAR	LISH BACKGROU	ND			DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.00400	<0.000800	<0.000800	<0.000800	<0.000800	<0.000800	<0.000800	<0.00400	<0.000800			
Arsenic	0.010	Not Applicable	0.00 (MCL)	mg/L	0.00202 J	0.00132 J	0.00187 J	0.00209	0.00147 J	0.00117 J	0.00115 J	<0.00200	0.00564 J			
Barium	2	Not Applicable	2 (MCL)	mg/L	0.0267	0.0165	0.0212	0.0192	0.0144	0.0177	0.0183	0.023	0.0186			
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.000500	<0.000100	<0.000100	<0.000100	<0.00250	0.000419 U	<0.000100	<0.000500	<0.000100			
Cadmium	0.005	Not Applicable	0.005 (MCL)	mg/L	<0.000500	<0.000100	<0.000100	<0.000100	0.000111 J	<0.000100	<0.000100	<0.000500	<0.000100			
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	<0.00250	0.000839 J	<0.000500	<0.00500	U (0.000520)	0.000761 J	<0.000500	<0.00250	U (0.00143)			
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	0.000833 J	<0.000100	0.000214 J	<0.00100	0.00109 J	0.000123 J	<0.000100	0.00122 J	0.000338 J			
Fluoride	4	Not Applicable	4 (MCL)	mg/L	1.84 J*	1.91	1.6	1.59	1.32	1.39	1.06	1.07	1.17	1.38	1.02	1.5
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	<0.000500	<0.000100	0.000126 J	0.000238 J	0.000218 J	0.000177 J	0.000142 J	<0.000500	0.000110 J			0.0400
Lithium Mercury	0.002	Not Applicable Not Applicable	0.235 (UTL) 0.002 (MCL)	mg/L mg/L	0.0598 J <0.000150	0.0582 <0.000150	0.0562 <0.000150	0.0617 <0.000150	0.0511 <0.000150	0.0523 <0.000150	0.0469 J <0.000150	0.0588 J <0.000150	0.0518 <0.000150		0.05	0.0486
Molybdenum	None	Not Applicable	0.002 (MCL)	mg/L	0.00880 J	0.00781	0.00745	0.00606	0.0118 J*	0.00722	0.00828	0.00980 J	0.00737		0.00497	0.00387
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	<0.00150	<0.00761	<0.00743	0.000938 J	0.00234 J	<0.00722	0.00020 0.000449 J	<0.00150	<0.00737		0.00437	0.00307
Thallium	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.00400	<0.00800	<0.000800	<0.00800	<0.00800	<0.000800	<0.000800	<0.00400	<0.00800			
Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	pCi/L	1.25 +/- 0.479	0.738 +/- 0.354	1.55 +/- 0.466	0.863 +/- 0.332	1.06 +/- 0.305	0.597 +/- 0.264	1.71 +/- 0.392					
Other Parameters			N. A. F. L.	Units				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU				DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	mg/L										MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L										MON. #1	SAMPLE 	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L									<5.00	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L									<5.00 418	MON. #1	 	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L	 								<5.00 418 <5.00	MON. #1	 	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L									<5.00 418	MON. #1	 	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L									<5.00 418 <5.00 	MON. #1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<pre>< <5.00 418 <5.00</pre>	MON. #1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 								<5.00 418 <5.00 	MON. #1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<5.00 418 <5.00	MON. #1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<pre> <5.00 418 <5.00 5.19</pre>	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<5.00 418 <5.00 5.19	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<pre> <5.00 418 <5.00 5.19 </pre>	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 418 <5.00 5.19 4.14	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 418 <5.00 5.19 4.14 307	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<pre> <5.00 418 <5.00 5.19 4.14 307</pre>	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 418 <5.00 5.19 4.14 307	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 418 <5.00 5.19 4.14 307	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 								 <5.00 418 <5.00 5.19 4.14 307 	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							21.58 7.73		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							21.58 7.73		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							21.58 7.73 1718 0.07	5.00 418 <5.00 5.19 4.14 307 1760 0.05	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	17.94 7.9 1899 0.94		IN 16.45 7.84 1919 0.39 -157	ITIAL EIGHT SAM 14.65 7.79 1905 0.33 -82.1		LISH BACKGROU 19.17 7.76 1764 0.27 -33.2	ND 20.47 7.51 1615 0.07 -79.7	21.58 7.73 1718 0.07 27.3	 <5.00 418 <5.00 5.19 4.14 307 1760 0.05 21.5	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	17.94 7.9 1899 0.94 -110.4			ITIAL EIGHT SAM 14.65 7.79 1905 0.33 -82.1 2.45			ND 20.47 7.51 1615 0.07 -79.7 1.52	21.58 7.73 1718 0.07 27.3		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	17.94 7.9 1899 0.94		IN 16.45 7.84 1919 0.39 -157	ITIAL EIGHT SAM 14.65 7.79 1905 0.33 -82.1		LISH BACKGROU 19.17 7.76 1764 0.27 -33.2	ND 20.47 7.51 1615 0.07 -79.7	21.58 7.73 1718 0.07 27.3	 <5.00 418 <5.00 5.19 4.14 307 1760 0.05 21.5	MON. #1	SAMPLE	SAMPLE

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis. 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

 R: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



		Established	Established										
	MCL or	Established Background	Established GWPS	Sample ID:	MW-5S	MW-	5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	2-Oct-18	10-Ja	n-19	23-Apr-19	2-Oct-19	18-Jun-20	8-Oct-20	1-Apr-21	14-Oct-21
				· · · · · · · · · · · · · · · · · · ·	ASSESSMENT	ASSESSMEN	IT MON. #1	ACCECCMENT	ACCECCMENT	ACCECCMENT	ACCECCMENT	ACCECCMENT	ACCECCMENT
Detection Monitoring Parame	ters			Units	MON. #1	(RESAN UNFILTERED	IPLE) FILTERED	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Boron	None	1.896	Not Applicable	mg/L	2.82	2.73	1.82	1.87	2.49	0.811	2.57	2.04	1.82
Calcium	None	670.30	Not Applicable	mg/L	25	27.7	27.8	57	22.5	68.2	19.6	33.4	21.0
Chloride	250	18.51	Not Applicable	mg/L	28.3	30.5	29.9	21.8	25.1	19.5	25.6	23.9	26.4
Fluoride	4	0.6359	Not Applicable	mg/L	1.54 8.7	7.65	1.5	1.11 8.11	1.54 7.55	0.824	1.51 8.21	7.9	1.57 8.16
pH (laboratory) Sulfate	6.5 - 8.5 250	6.485 - 8.018 626	Not Applicable Not Applicable	S.U. mg/L	447	457	472	394	434	7.65	485	477	499
Total Dissolved Solids	500	1,334	Not Applicable	mg/L	1140	1120	1210	1090	1180	904	1080	1140	1140
	1 200	1 1,001	,			ASSESSMEN							
					ASSESSMENT MON. #1	(RESAN	MPLE)	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Assessment Monitoring Para				Units		UNFILTERED	FILTERED						
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.0008 0.661	0.00122 J	<0.000400	<0.000400 0.000523 J	<0.000400 0.000736 J	<0.000400 <0.000400	<0.000400 0.000453 J	<0.000400 <0.000400	<0.000400 <0.000400
Arsenic Barium	0.010	Not Applicable Not Applicable	0.01 (MCL) 2 (MCL)	mg/L	0.061	0.000737 J 0.012	0.000765 J 0.0116	0.000523 J 0.0141	0.000736 J	0.00400	0.000453 J 0.00787	0.00867	0.00732
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L mg/L	<0.0005	<0.00200	<0.000200	<0.00200	<0.000200	<0.0021	<0.00787	<0.00007	<0.00732
Cadmium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.0003	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Chromium	0.003	Not Applicable	0.1 (MCL)	mg/L	0.832	<0.000200	<0.000400	<0.000400	<0.000200	<0.000400	<0.000400	<0.000400	<0.000400
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	<0.0001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Fluoride	4	Not Applicable	4 (MCL)	mg/L	1.54	1.54	1.5	1.11	1.54	0.824	1.51	1.24	1.57
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	<0.0001	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600
Lithium	None	Not Applicable	0.235 (UTL)	mg/L	0.0691 J	0.0644	0.0642	0.0604	0.0536	0.049	0.0546	0.0496	0.0532
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.0001	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	0.0000870 J	<0.0000300
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	<0.005	0.00512	0.00335 J	0.00485 J	0.00315 J	0.00361 J	0.00244 J	0.00234 J	0.00387 J
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	<0.0003	<0.0011 <0.000200	<0.0011 <0.000200	<0.00110	<0.00110 <0.000200	<0.00110	<0.00110 <0.000200	<0.00110 <0.000200	<0.00110 <0.000200
Thallium Ra-226 + Ra-228 (combined)	5	Not Applicable Not Applicable	0.002 (MCL) 5 (MCL)	mg/L pCi/L	0.611 +/- 0.249	<0.000200	<0.000200	<0.000200 <0.64	1.44	<0.000200 1.25	1.15	0.95	1.28
rta 220 (tanzinga)		1 tot / tppoabio	0 (02)	PONE	0.011 7 0.210			10.04	1.77	1.20		0.00	20
						VSSESSWEN	IT MON #1						
					ASSESSMENT		IT MON. #1	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Other Parameters				Units	MON. #1	(RESAN UNFILTERED		MON. #2	MON. #3	ASSESSMENT MON. #4	MON. #5	MON. #6	MON. #7
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	mg/L	MON. #1 <5.00	(RESAN UNFILTERED <5.00	FILTERED	MON. #2 <5.00	MON. #3 <5.00	MON. #4	MON. #5 <5.00	MON. #6 <5.00	MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L	MON. #1	(RESAN UNFILTERED <5.00	FILTERED	MON. #2 <5.00	MON. #3 <5.00	MON. #4	MON. #5 <5.00 444	MON. #6 <5.00 405	MON. #7 6.00 J 470
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L	MON. #1 <5.00	(RESAN UNFILTERED <5.00 12.6	IPLE) FILTERED	<5.00 	MON. #3 <5.00	MON. #4 412 15	MON. #5 <5.00 444 20.5	<5.00 405 <5	6.00 J 470 9.52
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L	<5.00	(RESAN UNFILTERED <5.00 12.6 427	FILTERED	MON. #2 <5.00	<5.00 	MON. #4 412 15 397	MON. #5 <5.00 444 20.5 424	MON. #6 <5.00 405 <5 405	6.00 J 470 9.52 460
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L	<5.00	(RESAN UNFILTERED <5.00 12.6 427 <5	FILTERED	<5.00	<5.00	MON. #4 412 15 397 <5	<5.00 444 20.5 424 <5	MON. #6 <5.00 405 <5 405 <5 <5	6.00 J 470 9.52 460 <5.00
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L	<5.00	(RESAN UNFILTERED <5.00 12.6 427	FILTERED	MON. #2 <5.00	<5.00 	MON. #4 412 15 397 <5 <0.0120	MON. #5 <5.00 444 20.5 424 <5 <0.0120	MON. #6 <5.00 405 <5 405 <5 0.0170 J	6.00 J 470 9.52 460 <5.00 0.0270 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00	(RESAN UNFILTERED <5.00 12.6 427 <5	FILTERED	MON. #2 <5.00	<5.00	MON. #4 412 15 397 <5 <0.0120 <0.0120	<5.00 444 20.5 424 <5	MON. #6 <5.00 405 <5 405 <5 <5	6.00 J 470 9.52 460 <5.00
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L	<pre>MON. #1 <5.00</pre>	(RESAN UNFILTERED <5.00 12.6 427 <5 	FILTERED	MON. #2 <5.00	<5.00	MON. #4 412 15 397 <5 <0.0120	MON. #5 <5.00 444 20.5 424 <5 <0.0120 <0.0120	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120	MON. #7 6.00 J 470 9.52 460 <5.00 0.0270 J <0.0120
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<5.00	(RESAN UNFILTERED <5.00 12.6 427 <5 	MPLE) FILTERED	MON. #2 <5.00	<5.00	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J)	MON. #5 <5.00 444 20.5 424 <5 <0.0120 <0.0200	MON. #6 <5.00 405 <5 405 <5 <0.0170 J <0.0120 <0.020	6.00 J 470 9.52 460 <5.00 0.0270 J <0.0120 <0.0200
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00	(RESAN UNFILTERED < 5.00 12.6 427 < 5	FILTERED	<pre>MON. #2 <5.00</pre>	MON. #3 <5.00	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J)	MON. #5 <5.00 444 20.5 424 <5 <0.0120 <0.0120 <0.0200	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 <0.020	MON. #7 6.00 J 470 9.52 460 <5.00 0.0270 J <0.0120 <0.0200 H 0.0270 J <0.020 H 0.0270 J <0.020
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00	(RESAN UNFILTERED < 5.00 12.6 427 < 5 5.73	FILTERED	<pre>MON. #2 <5.00</pre>	MON. #3 <5.00	MON. #4 412 15 397 <5 <0.0120 0.029(J) 5.16	MON. #5 <5.00 444 20.5 424 <5 <0.0120 <0.0200 4.38	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 <0.020 4.53	MON. #7 6.00 J 470 9.52 460 <5.00 0.0270 J <0.0120 <0.020 H 0.0270 J <0.020 J 4.60
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00	(RESAN UNFILTERED <5.00 	FILTERED	MON. #2 <5.00	**************************************	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J)	MON. #5 <5.00 444 20.5 424 <5 <0.0120 <0.0200 4.38 0.00244 J	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 <0.020 4.53 0.00287 J	MON. #7 6.00 J 470 9.52 460 <.5.00 0.0270 J <0.0120 <0.020 H 0.0270 J 0.0270 J 4.60 0.00296 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		(RESAN UNFILTERED <5.00 	### PILE FILTERED	**************************************	**************************************	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300	MON. #5 <5.00 444 20.5 424 <5 <0.0120 <0.0200 4.38 0.00244 J <0.0300	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 <0.020 <1.020 <0.020 <1.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.020 <0.027 J 00287 J	MON. #7 6.00 J 470 9.52 460 <5.00 0.0270 J <0.0120 <0.0200 H 0.0270 J <0.020 J 0.0200 0.0296 J 0.00984 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J	(RESAN UNFILTERED <5.00 	### PLE) ####################################	**************************************	**************************************	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48	**MON. #5 <5.00 444 20.5 424 <5 <0.0120 <0.0120 <0.0200 4.38 0.00244 J <0.0300 3.94	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 <0.020 4.53 0.00287 J 00287 J 3.25	MON. #7 6.00 J 470 9.52 460 <5.00 0.0270 J <0.0200 <0.020 H 0.0270 J <0.020 4.60 0.00296 J 0.0984 J 3.96
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J	(RESAN UNFILTERED < 5.00	### PLES FILTERED	MON. #2 <5.00 0.665		MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 277	**************************************	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 4.53 0.00287 J 0.0287 J 3.25 312	MON. #7 6.00 J 470 9.52 460 <<5.00 0.0270 J <0.0200 <0.020 H 0.0270 J <0.020 G 0.020 H 0.0270 J 20020 4.60 0.00296 J 0.0984 J 3.96 243
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J 1730	(RESAN UNFILTERED < 5.00 12.6 427 < 5 5.73 0.964 4.49 405 1870	### PLE) ####################################	**************************************	**************************************	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 2777	MON. #5 <5.00 444 20.5 424 <5 <0.0120 <0.0200 4.38 0.00244 J <0.0300 3.94 335 1960	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 <0.020 4.53 0.00287 J 00287 J 3.25 312 1770	MON. #7 6.00 J 470 9.52 460 < 5.00 0.0270 J <0.0120 <0.020 H 0.0270 J <0.020 J <0.020 4.60 0.00296 J 0.0984 J 3.96 243 1820
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J	(RESAN UNFILTERED < 5.00 12.6 427 < 5 5.73 0.964 4.49 405 1870	### PILE FILTERED	MON. #2 <5.00 0.665	**************************************	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 277	**************************************	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 4.53 0.00287 J 0.0287 J 3.25 312	MON. #7 6.00 J 470 9.52 460 <<5.00 0.0270 J <0.0200 <0.020 H 0.0270 J <0.020 G 0.020 H 0.0270 J 20020 4.60 0.00296 J 0.0984 J 3.96 243
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J 1730	(RESAN UNFILTERED <5.00 12.6 427 <5 5.73 0.964 4.49 405 1870 ASSESSMEN (RESAN	FILTERED	MON. #2 <5.00 0.665	**************************************	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 2777	MON. #5 <5.00 444 20.5 424 <5 <0.0120 <0.0200 4.38 0.00244 J <0.0300 3.94 335 1960	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 <0.020 4.53 0.00287 J 00287 J 3.25 312 1770	MON. #7 6.00 J 470 9.52 460 < 5.00 0.0270 J <0.0120 <0.020 H 0.0270 J <0.020 J <0.020 4.60 0.00296 J 0.0984 J 3.96 243 1820
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J 1730 ASSESSMENT MON. #1	(RESAN UNFILTERED < 5.00 12.6 427 < 5 5.73 0.964 4.49 405 1870 ASSESSMEN (RESAN UNFILTERED	FILTERED	MON. #2 <5.00 0.665 ASSESSMENT MON. #2	MON. #3 <5.00 0.212 MON. #3	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 277 <1 ASSESSMENT MON. #4	**SESSMENT MON. #5 **SOU	MON. #6	MON. #7 6.00 J 470 9.52 460 <5.00 0.0270 J <0.0120 <0.020 H 0.0270 J 0.020 J 4.60 0.00296 J 0.0984 J 3.96 243 1820 <1.00 ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J 1730 ASSESSMENT MON. #1	(RESAN UNFILTERED < 5.00 12.6 427 < 5 5.73 0.964 4.49 405 1870 ASSESSMEN (RESAN UNFILTERED 13.4	FILTERED	MON. #2 <5.00 0.665 ASSESSMENT MON. #2 18.78	**MON. #3 <5.00 0.212 ASSESSMENT MON. #3 25.18	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 277 <1 ASSESSMENT MON. #4	**************************************	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 4.53 0.00287 J 00287 J 3.25 312 1770 <1 ASSESSMENT MON. #6	MON. #7 6.00 J 470 9.52 460 <5.00 0.0270 J <0.0120 <0.020 H 0.0270 J <0.020 H 0.0276 J 3.96 243 1820 <1.00 ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Iron, Ferroic Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J 1730 ASSESSMENT MON. #1 25.3 7.61	(RESAN UNFILTERED <5.00 12.6 427 <5 5.73 0.964 4.49 405 1870 ASSESSMEN (RESAN UNFILTERED 13.4 7.56	PLE) FILTERED 5.58 0.916 4.27 257 IT MON. #1 IPLE) FILTERED	MON. #2 <5.00 0.665 ASSESSMENT MON. #2 18.78 7.95	MON. #3 <5.00 0.212 ASSESSMENT MON. #3 25.18 7.91	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 277 <1 ASSESSMENT MON. #4 24.37 7.9	**MON. #5 <5.00 444 20.5 424 <5 <0.0120 <0.0120 <0.0200 4.38 0.00244 J <0.0300 3.94 335 1960 1.97 **ASSESSMENT MON. #5 21.5 7.83	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 <0.020 4.53 0.00287 J 0.0287 J 3.25 312 1770 <1 ASSESSMENT MON. #6	MON. #7 6.00 J 470 9.52 460 <.5.00 0.0270 J <0.0200 <0.020 H 0.0270 J <0.020 J 60.0296 J 0.0984 J 3.96 243 1820 <1.00 ASSESSMENT MON. #7 23.7 7.85
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J 1730 ASSESSMENT MON. #1 25.3 7.61 1871	(RESAN UNFILTERED < 5.00 12.6 427 < 5 5.73 0.964 4.49 405 1870 ASSESSMEN (RESAN UNFILTERED 13.4 7.566 1791	### PLE) ####################################	MON. #2 <5.00 0.665 ASSESSMENT MON. #2 18.78 7.95 1669	MON. #3 <5.00 0.212 ASSESSMENT MON. #3 25.18 7.91 1826	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 277 <1 ASSESSMENT MON. #4 24.37 7.9 1665	**************************************	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 4.53 0.00287 J 00287 J 3.25 312 1770 <1 ASSESSMENT MON. #6 14.7 7.74 1745	MON. #7 6.00 J 470 9.52 460 <5.00 0.0270 J <0.0120 <0.020 H 0.0270 J <0.020 J 0.0270 J 0.0296 J 0.0984 J 3.96 243 1820 <1.00 ASSESSMENT MON. #7 7.85 1,863
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J 1730 ASSESSMENT MON. #1 25.3 7.61 1871 0.21	(RESAN UNFILTERED < 5.00 12.6 427 < 5 5.73 5.73 0.964 4.49 405 1870 ASSESSMEN (RESAN UNFILTERED 13.4 7.56 1791 0.63	IPLE) FILTERED	MON. #2 <5.00 0.665 ASSESSMENT MON. #2 18.78 7.95 1669 0.85	MON. #3 <5.00 0.212 MON. #3 25.18 7.91 1826 0.45	MON. #4 412 15 397 <5 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 277 <1 ASSESSMENT MON. #4 24.37 7.9 1665 1.89	**************************************	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 4.53 0.00287 J 00287 J 3.25 312 1770 <1 ASSESSMENT MON. #6 14.7 7.74 1745 0.81	MON. #7 6.00 J 470 9.52 460 <5.00 0.0270 J <0.0120 <0.020 H 0.0270 J <0.020 4.60 0.00296 J 0.0984 J 3.96 243 1820 <1.00 ASSESSMENT MON. #7 23.7 7.85 1,863 0.36
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J 1730 ASSESSMENT MON. #1 25.3 7.61 1871 0.21 -125.1	(RESAN UNFILTERED < 5.00 12.6 427 < 5 5.73 5.73 0.964 4.49 405 1870 ASSESSMEN (RESAN UNFILTERED 13.4 7.56 1791 0.63 -30.9	### PLE) ####################################	MON. #2 <5.00 0.665 ASSESSMENT MON. #2 18.78 7.95 1669 0.85 19.7	MON. #3 <5.00 0.212 1	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 277 <1 ASSESSMENT MON. #4 24.37 7.9 1665 1.89 -48.2	**************************************	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 <0.020 4.53 0.00287 J 00287 J 3.25 312 1770 <1 ASSESSMENT MON. #6 14.7 7.74 1745 0.81 283.3	MON. #7 6.00 J 470 9.52 460 <5.00 0.0270 J <0.0120 <0.020 H 0.0270 J 0.0220 4.60 0.00296 J 0.0984 J 3.96 243 1820 <1.00 ASSESSMENT MON. #7 23.7 7.85 1,863 0.36 -59.9
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J 1730 ASSESSMENT MON. #1 25.3 7.61 1871 0.21 -125.1 3.3	(RESAN UNFILTERED < 5.00 12.6 427 < 5 5.73 0.964 4.49 405 1870 ASSESSMEN (RESAN UNFILTERED 13.4 7.56 1791 0.63 -30.9 4.51	### PLE) ####################################	MON. #2 <5.00 0.665 ASSESSMENT MON. #2 18.78 7.95 1669 0.85 19.7 1.16	MON. #3 <5.00 0.212 ASSESSMENT MON. #3 25.18 7.91 1826 0.45 -54.1 0.94	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 277 <1 ASSESSMENT MON. #4 24.37 7.9 1665 1.89 -48.2 2.88	**************************************	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 4.53 0.00287 J 00287 J 3.25 312 1770 <1 ASSESSMENT MON. #6 14.7 7.74 1745 0.81 283.3 2.85	MON. #7 6.00 J 470 9.52 460 <.5.00 0.0270 J <0.0200 <0.020 H 0.0270 J <0.020 A 60 0.00296 J 0.0984 J 3.96 243 1820 <1.00 ASSESSMENT MON. #7 23.7 7.85 1,863 0.36 -59.9 2.16
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.089 J 1730 ASSESSMENT MON. #1 25.3 7.61 1871 0.21 -125.1	(RESAN UNFILTERED < 5.00 12.6 427 < 5 5.73 5.73 0.964 4.49 405 1870 ASSESSMEN (RESAN UNFILTERED 13.4 7.56 1791 0.63 -30.9	### PLE) ####################################	MON. #2 <5.00 0.665 ASSESSMENT MON. #2 18.78 7.95 1669 0.85 19.7	MON. #3 <5.00 0.212 1	MON. #4 412 15 397 <5 <0.0120 <0.0120 0.029(J) 5.16 0.00308(J) <0.0300 3.48 277 <1 ASSESSMENT MON. #4 24.37 7.9 1665 1.89 -48.2	**************************************	MON. #6 <5.00 405 <5 405 <5 0.0170 J <0.0120 <0.020 <0.020 <0.020 <0.020 4.53 0.00287 J 00287 J 3.25 312 1770 <1 ASSESSMENT MON. #6 14.7 7.74 1745 0.81 283.3	MON. #7 6.00 J 470 9.52 460 <5.00 0.0270 J <0.0120 <0.020 H 0.0270 J 0.0220 4.60 0.00296 J 0.0984 J 3.96 243 1820 <1.00 ASSESSMENT MON. #7 23.7 7.85 1,863 0.36 -59.9

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL or	Established Background	Established GWPS	Sample ID:	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	DUP 1	MW-7S	MW-7S	MW-7S	MW-7S (Shallow)	DUP1 (Shallow)	MW-7S (Deep)
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	13-Dec-16	25-Jan-17	3-Feb-17	29-Mar-17	7-Apr-17	31-May-17	31-May-17	9-Jun-17	10-Aug-17	17-May-18	3-Aug-18	3-Aug-18	10-Aug-18
Detection Monitoring Parame	ters			Units			IN	ITIAL EIGHT SAM	PLES TO ESTAB	ISH BACKGROU	ND			DETECTION MON. #1	EVALUATI	ON SAMPLE	VERIFICATION SAMPLE
Boron	None	1.896	Not Applicable	mg/L	3.8	0.891	0.557	<0.875	0.382	1.7	1.92	1.84	2.21	1.25	0.283	0.279	3.31
Calcium	None	670.30	Not Applicable	mg/L	53.8	349	267	411	415	71	168	175	80.6	178	90.3	88.8	142
Chloride	250	18.51	Not Applicable	mg/L	17.7	23.8	19.8	17.5	21.8	14.9	15.5	16.3	16.2	17.6	16.4	16.5	17
Fluoride	4	0.6359	Not Applicable	mg/L	1.02 J*	0.569	0.497	0.368	0.425	0.607	0.58	0.579	0.744	0.509	0.771	0.733	0.664
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	8.4	7.3	7.3	7.2	7.5	7.5	7.4	7.3	7.4	7.6	7.6	7.8	7.7
Sulfate	250	1,281	Not Applicable	mg/L	465	907	893	893	1120	587	606	619	450	860	545	545	623
Total Dissolved Solids	500	1,863	Not Applicable	mg/L	1070	1570	1570	1530	1610	1220	1230	1300	1120	1600	1210	1180	1330
								.=						DETECTION MON. #1	EVALUATI	ON SAMPLE	VERIFICATION SAMPLE
Assessment Monitoring Para		No. A. A. a. B. a. b. L.	0.000 (1401.)	Units	0.00004.1	-0.000000		ITIAL EIGHT SAM				-0.00400	-0.000000			1	
Antimony	0.006	Not Applicable	0.006 (MCL) 0.01 (MCL)	mg/L	0.00634 J 0.00201 J	<0.000800 0.000728 J	<0.000800 0.000766 J	<0.000800 0.00176 J	<0.000800 0.00176 J	<0.000800 0.00137 J	<0.000800 0.00128 J	<0.00400 0.00310 J	<0.000800 0.00150 J				
Arsenic Barium	2	Not Applicable Not Applicable	2 (MCL)	mg/L mg/L	0.002013	0.0007283	0.0007663	0.001763	0.001763	0.00137 3	0.001283	0.00310 3	0.0308				
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.000500	<0.000100	<0.000100	<0.00250	<0.000100	<0.000100	<0.000100	<0.000500	<0.000100				
Cadmium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.000500	<0.000100	<0.000100	0.000115 J	<0.000100	<0.000100	<0.000100	<0.000500	<0.000100				
Chromium	0.003	Not Applicable	0.1 (MCL)	mg/L	U (0.00333)	0.000680 J	<0.00500	<0.000500	<0.000100	0.000731 J	<0.000500	<0.00250	U (0.000637)				
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	0.00120 J	0.000648 J	<0.00100	0.000735 J	0.000439 J	0.000349 J	0.000333 J	0.00208 J	0.000696 J				
Fluoride	4	Not Applicable	4 (MCL)	mg/L	1.02 J*	0.569	0.497	0.368	0.425	0.607	0.58	0.579	0.744	0.509	0.771	0.733	0.664
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	<0.000500	0.000333 J	<0.000100	0.000157 J	<0.000100	<0.000100	<0.000100	<0.000500	<0.000100				
Lithium	None	Not Applicable	0.235 (UTL)	mg/L	0.0697 J	0.0462 J	0.0499 J	0.0395 J	0.0400 J	0.0637	0.07	0.0766 J	0.0609		0.0667	0.0656	0.0613
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.000150	<0.000150	<0.000150	<0.000150	<0.000100	<0.000150	<0.000150	<0.000150	<0.000150				
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	<0.00500	0.00174 J	0.00160 J	<0.00500	0.00153 J	0.00186 J	0.00179 J	<0.00500	0.00171 J		0.00127 J	0.00128 J	<0.00100
Selenium	0.05	Not Applicable	0.05 (MCL) 0.002 (MCL)	mg/L	U (0.00158) <0.00400	<0.000300 <0.000800	0.00103 J <0.000800	<0.00150 <0.000800	<0.000300 <0.000800	<0.000300 <0.000800	<0.000300 <0.000800	<0.00150 <0.00400	<0.000300 <0.000800				
Thallium Ra-226 + Ra-228 (combined)	5	Not Applicable Not Applicable	5 (MCL)	mg/L pCi/L	1.13 +/- 1.07 U		1.15 +/- 0.362					0.952 +/- 0.279					
																	
Other Baremeters				Ilmita			IA	ITIAL EICHT CAM	DI ES TO ESTADI	I ISH BACKCBOII	ND			DETECTION MON. #1	EVALUATI	ON SAMPLE	VERIFICATION SAMPLE
Other Parameters	None	Not Applicable	Not Applicable	Units mg/l				ITIAL EIGHT SAM	PLES TO ESTAB					MON. #1			SAMPLE
Chemical Oxygen Demand (COD)	None None	Not Applicable	Not Applicable	mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	ND				EVALUATI	ON SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L										MON. #1			SAMPLE
Chemical Oxygen Demand (COD)		Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L										MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable	Not Applicable	mg/L mg/L									<5.00	MON. #1	 		SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L									<5.00 311	MON. #1	 		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L		 						 	<5.00 311 <5.00	MON. #1	 		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<5.00 311 <5.00	MON. #1	 		SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 	 			 				<5.00 311 <5.00	MON. #1			
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L						 			<5.00 311 <5.00	MON. #1			
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 								<5.00 311 <5.00	MON. #1			
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<pre> <5.00 311 <5.00 10.7</pre>	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<pre> <5.00 311 <5.00 10.7</pre>	MON. #1			
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<pre> <5.00 311 <5.00 10.7</pre>	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 311 <5.00 10.7 4.95	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<pre> <5.00 311 <5.00 10.7</pre>	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 311 <5.00 10.7 4.95 273	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 311 <5.00 10.7 4.95 273	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 311 <5.00 10.7 4.95 273 	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							 	 <5.00 311 <5.00 10.7 4.95 273 	MON. #1		ON SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 	 						 	 <5.00 311 <5.00 10.7 4.95 273 	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 	 						 	 <5.00 311 <5.00 10.7 4.95 273 24.46 7.22 1680	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 			ITIAL EIGHT SAM 18.89 7.18 2216 0.27					 <5.00 311 <5.00 10.7 10.7 24.46 7.22 1680 0.08	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 	 						 	 <5.00 311 <5.00 10.7 4.95 273 24.46 7.22 1680	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L				ITIAL EIGHT SAM 18.89 7.18 2216 0.27 -68					<5.00 311 <5.00 10.7 4.95 273 1680 0.08 57.6	MON. #1			SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		14.77 7.17 2010 0.43 -141 33.7		ITIAL EIGHT SAM 18.89 7.18 2216 0.27 -68 1.12	PLES TO ESTABI 16.83 7.22 2205 -104 8.31		ND		<5.00 311 <5.00 10.7 4.95 273 1680 0.08 57.6 3.45	MON. #1			SAMPLE

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value. 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 - U. The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

 R: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.

- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



		Catabliahad	Catabliahad			1								
	MCL or	Established Background	Established GWPS	Sample ID:	MW-7S	MV	V-7S	MW-7S	MW-7S	MW-7S	MW-7S	MW-7S	DUP 2	MW-7S
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	4-Oct-18	10-J	an-19	23-Apr-19	1-Oct-19	17-Jun-20	9-Oct-20	30-M	lar-21	15-Oct-21
	<u>'</u>				ASSESSMENT MON. #1	ASSESSME (RESAMPLE)	NT MON. #1 UNFILTERED	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	ASSESSMENT MON. #5		ENT MON. #6	ASSESSMENT MON. #7
Detection Monitoring Parame	ters			Units			ERED							
Boron	None	1.896	Not Applicable	mg/L	2.7	0.839	1.12	0.848	1.99	1.33	2.29	0.677	0.681	2.18
Calcium	None	670.30	Not Applicable	mg/L	76	277	293	271	81.1	160	90.2	254	219	97.1
Chloride Fluoride	250 4	18.51 0.6359	Not Applicable Not Applicable	mg/L mg/L	16.1 0.764	18.7 0.422	19.7 0.35	19.7 0.376	16.3 0.729	18 0.479	16.9 0.713	20.5 0.444	19.4 0.415	16.8 0.746
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	8	7.34		7.82	7.39	7.55	7.79	7.32	7.53	7.84
Sulfate	250	1,281	Not Applicable	mg/L	1600	1200	1110	1040	633	970	759	1200	1190	690
Total Dissolved Solids	500	1,863	Not Applicable	mg/L	1230	1670	1890	1890	1270	1680	1340	2060	2000	1290
					ACCECCMENT	ASSESSME	NT MON. #1	ACCECCMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT			
					ASSESSMENT MON. #1	(RESAMPLE)	UNFILTERED	ASSESSMENT MON. #2	MON. #3	MON. #4	MON. #5	AS	SESSMENT MON	. #6
Assessment Monitoring Paral	meters			Units	WON.#1		ERED	WON. #2	WON. #3	WON. #4	WON. #5			
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.0008	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Arsenic	0.010	Not Applicable	0.01 (MCL)	mg/L	<0.004	0.000413 J	<0.000400	0.00116 J	0.000412 J	0.000650 J	<0.000400	<0.000400	<0.000400	<0.000400
Barium	2	Not Applicable	2 (MCL)	mg/L	0.021	0.0371	0.0387	0.0372	0.0139	0.0244	0.0142	0.0295	0.0302	0.0154
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Cadmium Chromium	0.005	Not Applicable Not Applicable	0.005 (MCL) 0.1 (MCL)	mg/L mg/L	<0.0001 <0.005	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 0.000994 J	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	0.000222 J	0.000400 0.000270 J	0.000304 J	0.00153 J	<0.0003943	0.000838 J	<0.000400	<0.000400	<0.000400	0.000259 J
Fluoride	4	Not Applicable	4 (MCL)	mg/L	0.764	0.422	0.35	0.376	0.729	0.479	0.713	0.444	0.415	0.746
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	<0.0001	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600
Lithium	None	Not Applicable	0.235 (UTL)	mg/L	0.0714 J	0.0558	0.0606	0.0593	0.0608	0.0681	0.065	0.0472	0.0468	0.0645
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.0001	<0.0000300	<0.0000300	<0.0000300	<0.0000300	0.0000350 J	<0.0000300	0.000104 J	0.0000320 J	<0.0000300
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	<0.01	0.00105 J	0.00107 J	0.000952 J	0.000798 J	0.00105 J	0.00106 J	0.000755 J	0.000763 J	0.00115 J
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	<0.0003	<0.0011	<0.0011	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110
Thallium Ra-226 + Ra-228 (combined)	0.002	Not Applicable Not Applicable	0.002 (MCL) 5 (MCL)	mg/L pCi/L	<0.0008 2.07 +/- 0.453	<0.000200 1.34	<0.000200	<0.000200 0.9	<0.000200 <0.71	<0.000200 1.05	<0.000200 1.2	<0.000200 1.73	<0.000200 1.92	<0.000200 1.95
rta-220 (combined)		140t Applicable	3 (WOL)	POI/L	2.07 17-0.400		NT MON. #1	0.5	10.71	1.00	1.2	1.70	1.32	1.00
					ASSESSMENT MON. #1	(RESAMPLE)	UNFILTERED	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	ASSESSMENT MON. #5	AS	SESSMENT MON	. #6
Other Parameters				Units			ERED							
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	mg/L	<5	5.0 J		<5.00	<5.00		8.00 J	<5.00	<5.00	7.00 J
Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L		 <5				264	315	180		
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable	mg/L	I								177	343
Hydroxide Alkalinity				ma/l						<5 264	<5 315	<5 180	<5	<5.00
Iron, Total	None		Not Applicable	mg/L		222				264	315	180	<5 177	<5.00 343
	None None	Not Applicable	Not Applicable	mg/L		222 <5				264 <5	315 <5	180 <5	<5 177 <5	<5.00 343 <5.00
Iron, Dissolved	None None None		Not Applicable Not Applicable	mg/L mg/L		222				264 <5 0.278	315 <5 0.111 J	180	<5 177	<5.00 343
Iron, Dissolved Iron, Ferrous	None	Not Applicable Not Applicable	Not Applicable	mg/L		222 <5 				264 <5	315 <5	180 <5 0.0145 J	<5 177 <5 0.0156 J	<5.00 343 <5.00 0.310
Iron, Ferrous Iron, Ferrous, Dissolved	None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L		222 <5 	 	 	 	264 <5 0.278 0.034(J)	315 <5 0.111 J 0.235	180 <5 0.0145 J 0.0154 J <0.02 <0.02	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric	None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L		222 <5 		 		264 <5 0.278 0.034(J) 0.306	315 <5 0.111 J 0.235 0.216	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L		222 <5 				264 <5 0.278 0.034(J) 0.306	315 <5 0.111 J 0.235 0.216 	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 0.0234 J	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L		222 <5 19	 18.7			264 <5 0.278 0.034(J) 0.306 17.1	315 <5 0.111 J 0.235 0.216 12	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 16.9	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 0.0234 J 17.4	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		222 <5 19	 18.7			264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J)	315 <5 0.111 J 0.235 0.216 12 0.00103 J	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 16.9 0.000846 J	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 0.0234 J 17.4 0.000941 J	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.118	222 <5 19 0.557	 18.7	 <0.0300	 <0.0300	264 <5 0.278 0.34(J) 0.306 17.1 0.000987(J) <0.0300	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300	180 <5 0.0145 J <0.02 <0.02 <0.02 <0.02 <0.02 16.9 0.000846 J <0.0600	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 0.0234 J 17.4 0.00941 J <0.0600	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J 0.0940 J
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.118	222 <5 19 0.557 4.67	 18.7 0.644 4.79	 <0.0300	 <0.0300	264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 16.9 0.000846 J <0.0600 4.06	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.02 17.4 0.000941 J <0.0600 4.18	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J 0.0940 J 5.14
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.118	222 <5 19 0.557 4.67 274	 18.7 0.644 4.79 294	 <0.0300	 <0.0300	264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33 313	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1 272	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 16.9 0.000846 J <0.0600 4.06 230	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.02 0.0234 J 17.4 0.000941 J <0.0600 4.18	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J 0.0940 J 5.14 261
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.118	222 <5 19 0.557 4.67	 18.7 0.644 4.79	 <0.0300	 <0.0300	264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 16.9 0.000846 J <0.0600 4.06	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.02 17.4 0.000941 J <0.0600 4.18	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J 0.0940 J 5.14
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.118 1610	222 <5 19 0.557 4.67 274 2240	18.7 0.644 4.79 294	<0.0300	 <0.0300	264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33 313	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1 272 2110	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 16.9 0.000846 J <0.0600 4.06 230 2380	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.02 0.0234 J 17.4 0.000941 J <0.0600 4.18 197 2380	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J 0.0940 J 5.14 261 1860
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.118 1610	222 <5 19 0.557 4.67 274 2240 ASSESSME (RESAMPLE)			 <0.0300	264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33 313	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1 272 2110	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 16.9 0.000846 J <0.0600 4.06 230 2380 <1	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.02 0.0234 J 17.4 0.000941 J <0.0600 4.18 197 2380	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J 0.0940 J 5.14 261 1860 <1.00
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.118 1610 ASSESSMENT MON. #1	222 <5 19 0.557 4.67 274 2240 ASSESSME (RESAMPLE) FILT	 18.7 0.644 4.79 294 			264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33 313 <1 ASSESSMENT MON. #4	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1 272 2110 1.48 ASSESSMENT MON. #5	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 16.9 0.000846 J <0.0600 4.06 230 2380 <1	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.02 17.4 0.000941 J <0.0600 4.18 197 2380 <1	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 12.2 0.00121 J 0.0940 J 5.14 261 1860 <1.00
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.118 1610 ASSESSMENT MON. #1	222 <5 19 0.557 4.67 274 2240 ASSESSME (RESAMPLE) FILT				264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33 313 <1 ASSESSMENT MON. #4	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1 272 2110 1.48 ASSESSMENT MON. #5	180 <5 0.0145 J <0.02 <0.02 <0.02 <0.02 <0.02 16.9 0.00846 J <0.0600 4.06 230 <1	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.02 0.0234 J 17.4 0.000941 J <0.0600 4.18 197 2380 <1	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J 0.0940 J 5.14 261 1860 <1.00
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.118 1610 ASSESSMENT MON. #1 25 7.35	222 <5 19 0.557 4.67 274 2240 ASSESSME (RESAMPLE) FILT 12.8 7.08				264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33 313 <1 ASSESSMENT MON. #4 21.95 7.37	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1 272 2110 1.48 ASSESSMENT MON. #5	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 <16.9 0.00846 J <0.0600 4.06 230 <380 <1 AS 16.8 7.24	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.024 J 17.4 0.00941 J <0.0600 4.18 197 2380 <1	<5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J 0.0940 J 5.14 261 1860 <1.00 .#6 22.5 7.47
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.118 1610 ASSESSMENT MON. #1 25 7.35 1887	222 <5 19 0.557 4.67 274 2240 ASSESSME (RESAMPLE) FILT 12.8 7.08 2180				264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33 313 <1 ASSESSMENT MON. #4 21.95 7.37 2097	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1 272 2110 1.48 ASSESSMENT MON. #5 23.1 7.52 1945	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 <16.9 0.000846 J <0.0600 4.06 230 2380 <1 AS 16.8 7.24 2377	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.02 0.0234 J 17.4 0.000941 J <0.0600 4.18 197 2380 <1	<pre><5.00 343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J 0.0940 J 5.14 261 1860 <1.00 .#6</pre>
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.118 1610 ASSESSMENT MON.#1 25 7.35 1887 0.45	222 <5 19 0.557 4.67 274 2240 ASSESSME (RESAMPLE) FILT 12.8 7.08 2180 0.23				264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33 313 <1 ASSESSMENT MON. #4 21.95 7.37 2097 0.49	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1 272 2110 1.48 ASSESSMENT MON. #5 23.1 7.52 1945 0.33	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 16.9 0.00846 J <0.0600 4.06 230 2380 <1 AS 16.8 7.24 2377 0.31	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.02 0.0234 J 17.4 0.000941 J <0.0600 4.18 197 2380 <1	<5.00 343 <5.00 0.343 <5.00 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J 0.0940 J 5.14 261 1860 <1.00 .#6 22.5 7.47 1,973 0.30
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		222 <5 19 19 274 2240 ASSESSME (RESAMPLE) FILT 12.8 7.08 2180 0.23 -6.3				264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33 313 <1 ASSESSMENT MON. #4 21.95 7.37 2097 0.49 -67.6	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1 272 2110 1.48 ASSESSMENT MON. #5 23.1 7.52 1945 0.33 -90.1	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 16.9 0.00846 J <0.0600 4.06 230 <1 AS 16.8 7.24 2377 0.31 83.3	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.02 40.02 17.4 0.00941 J <0.0600 4.18 197 2380 <1 SESSMENT MON	<5.00 343 <5.00 0.343 0.310 0.134 J 0.207 <0.0200 H 0.103 0.134 12.2 0.00121 J 0.0940 J 5.14 261 1860 <1.00 .#6 22.5 7.47 1,973 0.30 -107.8
Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.118 1610 ASSESSMENT MON.#1 25 7.35 1887 0.45	222 <5 19 0.557 4.67 274 2240 ASSESSME (RESAMPLE) FILT 12.8 7.08 2180 0.23				264 <5 0.278 0.034(J) 0.306 17.1 0.000987(J) <0.0300 5.33 313 <1 ASSESSMENT MON. #4 21.95 7.37 2097 0.49	315 <5 0.111 J 0.235 0.216 12 0.00103 J <0.0300 5.1 272 2110 1.48 ASSESSMENT MON. #5 23.1 7.52 1945 0.33	180 <5 0.0145 J 0.0154 J <0.02 <0.02 <0.02 <0.02 16.9 0.00846 J <0.0600 4.06 230 2380 <1 AS 16.8 7.24 2377 0.31	<5 177 <5 0.0156 J 0.0234 J <0.02 <0.02 <0.02 <0.02 0.0234 J 17.4 0.000941 J <0.0600 4.18 197 2380 <1	<5.00 343 <5.00 0.343 0.207 <0.0200 H 0.134 12.2 0.00121 J 0.0940 J 5.14 261 1860 <1.00 .#6 22.5 7.47 1,973 0.30

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

 R: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



Decided Monthing Papersonness More Security More Securit																	
Description Properties Pr					Sample ID:	MW-13	DUP-2	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13		
Procession Pro	Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	25-May-16	25-May-16	26-Jul-16	27-Sep-16	29-Nov-16	30-Jan-17	30-Mar-17	6-Jun-17	4-Aug-17	21-May-18	1-Aug-18	9-Aug-18
Section Sect	Detection Monitoring Parame	ters			Units			IN	ITIAL FIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND					VERIFICATION SAMPLE
Calculate Part Calculate				Not Applicable		1.38	1.4						1.34	1.24	1.3	1.41	3.86
Figure Company Compa																	
Part	Chloride	250	Background Well	Not Applicable	mg/L												
Control Control Co															l		
Total Terrories Soliday Solid New Applicable mijk 2220 2180 2340 2200			(11017.pp00210)														
Assessment Monitoring Parameters			-														
According Name		·	<u>'</u>	ног дрисавіс		2220	2130		,				2410	2010	DETECTION	EVALUATION	VERIFICATION
American Company Com	_																
Service 2 Not-Application Control Not Applicable Page Control				-													-
Segretary Control Co			 	-											-	-	-
Commission Com				-											1	-	-
Chemium				1											1	-	-
Fluoride	Chromium	0.1				<0.000500		<0.000500	<0.000500	0.00109 J	<0.000500	<0.00250	<0.000500				
Month Control Contro				Background Well											III		
Section Control Cont																	
Mercary 0.002 Note price price			 														
Morty-forman				-												0.14	0.113
Selection																0.00211	0.0022
Ra-228 (combined) S Not Applicable PCU 196 #- 0.373 1.57 #- 0.321 1.50 #- 0.327 1.43 #- 0.352 1.75 #- 0.486 1.41 #- 0.357 1.75 #- 0.389 1.75 #- 0.389 1.51 #- 0.320 1.50 #- 0.320 1.57 #- 0.320		0.05				<0.000600	<0.000600	<0.000600	<0.000300	0.000512 J	<0.000300	<0.00150	0.00402	U (0.00192)			
Chemical Oxygen Demand (COD) None Not Applicable mgl,		0.002															
Other Parameters	Ra-226 + Ra-228 (combined)	5	Not Applicable		nCi/l	1 96 +/- 0 373	1 57 +/- 0 321	1 50 +/- 0 327	1 43 +/- 0 352	1 75 +/- 0 486	1 41 +/- 0 357	1 73 +/- 0 350	1 75 +/- 0 389	1 51 +/- 0 320			II
Total National Programme More Not Applicable mg/L			, , , ,		POI/E	1.00 17 0.010	1.07 17 0.021	1.00 17 0.027	1.10 17 0.002	1.70 -7- 0.400	1.41 1/- 0.007	1.70 17-0.000	1110 17 0.000	1.01 7 0.020			
Carbonate Alkalinity as CaCO3 None Not Applicable mg/L .	Other Parameters		,				1.01 17 0.021						7 0.000	7 0.020			VERIFICATION
Bicarbonate Alkalinity None Not Applicable Morit Not Applicable Not Applicable Morit Not Applicable Not Applicable Morit Not Applicable Morit Not Applicable Morit Not Applicable Not	Chemical Oxygen Demand (COD)		Not Applicable		Units mg/L			IN	ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND			MON. #1	SAMPLE	VERIFICATION SAMPLE
Hydroxide Alkalinity	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable Not Applicable	Not Applicable	Units mg/L mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND			MON. #1	SAMPLE 	VERIFICATION SAMPLE
Iron, Total None None Not Applicable Not Applicable More Not Applicable Not Applicable Not Applicable Not Applicable More Not Applicable Not Applicable Not Applicable More Not Applicable Not Applicable Not Applicable Not Applicable More Not Applicable Not A	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable	Units mg/L mg/L mg/L	 		 	ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND		 <5.00	MON. #1	SAMPLE 	VERIFICATION SAMPLE
Iron, Perrous None Not Applicable	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	Units mg/L mg/L mg/L mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	 		 <5.00 307	MON. #1	 	VERIFICATION SAMPLE
Iron, Ferrous, Dissolved None Not Applicable Not Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L		 		ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	 		 <5.00 307 <5.00	MON. #1	 	VERIFICATION SAMPLE
Inon, Ferric None Not Applicable Not Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU			<pre> <5.00 307 <5.00</pre>	MON. #1	 	VERIFICATION SAMPLE
Iron, Ferric, Dissolved None Not Applicable Mot Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None	Not Applicable	Not Applicable	. Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	 		<5.00 307 <5.00 	MON. #1		VERIFICATION SAMPLE
Magnesium None Not Applicable Mot Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable			 		ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	 		<5.00 307 <5.00 	MON. #1		VERIFICATION SAMPLE
None Not Applicable Not Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 			ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU			<pre> <5.00 307 <5.00</pre>	MON. #1		VERIFICATION SAMPLE
Not Applicable Not Applicable Mot Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU			<5.00 307 <5.00 	MON. #1	SAMPLE	VERIFICATION SAMPLE
Potassium None Not Applicable Not Applicable Mot Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 			ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU			<5.00 307 <5.00 26.4	MON. #1		VERIFICATION SAMPLE
Sodium None Not Applicable Not Applicable mg/L -	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU			<5.00 307 <5.00 	MON. #1		VERIFICATION SAMPLE
Specific Conductance (laboratory) None Not Applicable Not Applicable Not Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND		<pre> <5.00 307 <5.00 26.4</pre>	MON. #1		VERIFICATION SAMPLE
Detection Field Parameters Units INITIAL EIGHT SAMPLES TO ESTABLISH BACKGROUND SAMPLE SAMP	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU			 <5.00 307 <5.00 26.4 8.32	MON. #1	SAMPLE	VERIFICATION SAMPLE
Field Parameters None Not Applicable Molecular None Not Applicable Molecular None Not Applicable Not Applicabl	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU			<pre> <5.00 307 <5.00 26.4 8.32 349</pre>	MON. #1		VERIFICATION SAMPLE
Temperature None Not Applicable Not Applicable Not Applicable S.U. 7.08 7.23 7.02 6.99 6.96 7.05 6.97 6.94 7.07 6.72 6.49	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND		<pre> <5.00 307 <5.00 26.4 8.32 349</pre>	MON. #1		VERIFICATION SAMPLE
pH 6.5 - 8.5 Not Applicable Not Applicable S.U. 7.08 7.23 7.02 6.99 6.96 7.05 6.97 6.94 7.07 6.72 6.49 Specific Conductance None Not Applicable Not Applicable μmhos/cm 2507 2939 2622 3002 2967 3006 2990 2920 2887 3010 3213 Dissolved Oxygen None Not Applicable Not Applicable Not Applicable Not Applicable Mod. Applicable Mod. Applicable Not Applicable <	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND		<pre> <5.00 307 <5.00 26.4 8.32 349</pre>	MON. #1	SAMPLE	VERIFICATION SAMPLE
Specific Conductance None Not Applicable Not Applicable μmhos/cm 2507 2939 2622 3002 2967 3006 2990 2920 2887 3010 3213 Dissolved Oxygen None Not Applicable Not Applicable mg/L 0.41 0.28 0.09 0.35 0.33 0.3 0.18 0.09 1.25 2.22 1.37 Oxidation-Reduction Potential None Not Applicable Not Applicable mV 0.6 -103.3 -136.8 -178.8 -179.1 -93.3 -10.6 -68.7 -48.9 49.1 187.6 Turbidity None Not Applicable Not Applicable NTU 4.12 1.91 0.26 1.14 0.5 1.38 1.93 0.87 0.28 0.02 0.02 Depth to Water from TOC None Not Applicable ft 25.13 25.46 26.07 25.48 26.86 25.95 26.11 26.05 <td>Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide</td> <td>None None None None None None None None</td> <td>Not Applicable Not Applicable</td> <td>Not Applicable Not Applicable</td> <td>mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L</td> <td></td> <td></td> <td></td> <td>ITIAL EIGHT SAM</td> <td>PLES TO ESTAB</td> <td>LISH BACKGROU</td> <td>IND</td> <td></td> <td> <5.00 307 <5.00 26.4 8.32 349</td> <td>MON. #1</td> <td>SAMPLE </td> <td>VERIFICATION SAMPLE</td>	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L				ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND		 <5.00 307 <5.00 26.4 8.32 349	MON. #1	SAMPLE	VERIFICATION SAMPLE
Dissolved Oxygen None Not Applicable Not Applicable mg/L 0.41 0.28 0.09 0.35 0.33 0.3 0.18 0.09 1.25 2.22 1.37 Oxidation-Reduction Potential None Not Applicable Not Applicable mV 0.6 -103.3 -136.8 -178.8 -179.1 -93.3 -10.6 -68.7 -48.9 49.1 187.6 Turbidity None Not Applicable Not Applicable NTU 4.12 1.91 0.26 1.14 0.5 1.38 1.93 0.87 0.28 0.02 0.02 Depth to Water from TOC None Not Applicable ft 25.13 25.46 26.07 25.48 26.86 25.95 26.11 26.05 25.64	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	 		IN	ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND		 <5.00 307 <5.00 26.4 8.32 349 	MON. #1	SAMPLE	VERIFICATION SAMPLE
Turbidity None Not Applicable Not Applicable NTU 4.12 1.91 0.26 1.14 0.5 1.38 1.93 0.87 0.28 0.02 0.02 Depth to Water from TOC None Not Applicable Not Applicable ft 25.13 25.46 26.07 25.48 26.86 25.95 26.11 26.05 25.64	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	21.68 7.08		IN	ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND		 <5.00 307 <5.00 26.4 8.32 349 22.75 6.94	MON. #1	SAMPLE	VERIFICATION SAMPLE
Depth to Water from TOC None Not Applicable Not Applicable ft 25.13 25.46 26.07 25.48 26.86 25.95 26.11 26.05 25.64	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	### Units Market Market	 		IN	ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND	22.73 6.97 2990	25.00 307 <5.00 26.4 8.32 349 22.75 6.94 2920	MON. #1	SAMPLE	VERIFICATION SAMPLE
	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	21.68 7.08 2507 0.41 0.6		IN	ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND	22.73 6.97 2990 0.18 	22.75 6.94 2920 0.09 	MON. #1	SAMPLE	VERIFICATION SAMPLE
	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	### Units mg/L mJ/L m	21.68 7.08 2507 0.41 0.6		IN	ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND	22.73 6.97 2990 1.93	22.75 6.94 2920 -68.7 0.87	MON. #1	SAMPLE	VERIFICATION SAMPLE
Total Depth from TOC None Not Applicable Not Applicable ft 39.46	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity Depth to Water from TOC	None None None None None None None None	Not Applicable	Not Applicable	### Units mg/L mt/S o C S.U. μmhos/cm mg/L mV NTU ft ft ft mg/L mV NTU ft ft mg/L mg/L mV NTU ft ft mg/L mg/L mV NTU ft mg/L mg/L mJ/L	21.68 7.08 2507 0.41 0.6 4.12 25.13		IN	ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	IND	22.73 6.97 2990 0.18 1.93 26.11	22.75 6.94 2920 0.09 -68.7 0.87 26.00	MON. #1	SAMPLE	VERIFICATION SAMPLE

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL	Established	Established		MM 42				up o	MM 42	MM 42	NOW 42	NAV 42	NOW 42	BBW 42
	or	Background	GWPS	Sample ID:	MW-13	MV	<i>I</i> -13	DI	UP 2	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	4-Oct-18		11-J	an-19		25-Apr-19	3-Oct-19	17-Jun-20	14-Oct-20	31-Mar-21	15-Oct-21
		,	,					NT MON. #1							
					ASSESSMENT			AMPLE)		ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Detection Monitoring Paramet	ers			Units	MON. #1	UNFILTERED	FILTERED	FILTERED	UNFILTERED	MON. #2	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Boron	None		Not Applicable	mg/L	2.01	2.14	1.67	1.76	1.72	3.07	2.01	1.39	1.48	1.66	1.43
Calcium	None		Not Applicable	mg/L	299	270	360	334	348	130	182	243	242	284	237
Chloride	250	Background Well	Not Applicable	mg/L	12.8	15.1	13.7	13.8	13.1	28.2	17.3	13.8	13.9	13.8	14.8
Fluoride	4	(Not Applicable)	Not Applicable	mg/L	0.285	0.342	0.99	0.31	0.444	0.652	0.422	0.231	0.257	0.344	0.294
pH (laboratory) Sulfate	6.5 - 8.5 250	+	Not Applicable Not Applicable	S.U. mg/L	7.6 1400	7.16 1450	1420	7.35 1450	1440	7.95 1450	6.75 1380	6.71	7.55 1480	7.32 1470	7.57 1570
Total Dissolved Solids	500	-	Not Applicable	mg/L	2350	2350	2220	2270	2260	2590	2350	2450	2360	2320	2360
		'						NT MON. #1							
					ASSESSMENT			AMPLE)		ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Assessment Monitoring Param	neters			Units	MON. #1	UNFILTERED	FILTERED	FILTERED	UNFILTERED	MON. #2	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Antimony	0.006	Not Applicable		mg/L	<00008	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Arsenic	0.010	Not Applicable]	mg/L	<0.004	<0.000400	<0.000400	<0.000400	0.000412 J	0.000979 J	0.000401 J	<0.000400	<0.000400	<0.000400	<0.000400
Barium	2	Not Applicable		mg/L	0.0196 J	0.014	0.0164	0.0152	0.015	0.0146	0.0114	0.0116	0.0107	0.0114	0.0112
Beryllium	0.004	Not Applicable	-	mg/L	<0.001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Chromium	0.005	Not Applicable	-	mg/L	<0.0001	<0.000200	<0.000200	<0.000200 <0.000400	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Chromium Cobalt	0.1 None	Not Applicable	-	mg/L	<0.005 <0.0001	<0.000400 <0.000200	<0.000400 0.000229 J	<0.000400	<0.000400 <0.000200	<0.000400 0.000265 J	<0.000400 <0.000200	<0.000400 <0.000200	<0.000400 <0.000200	<0.000400 <0.000200	<0.000400 <0.000200
Fluoride	4	Not Applicable Not Applicable	Background Well	mg/L mg/L	0.285	0.342	0.000229 3	0.31	0.444	0.652	0.422	0.231	0.257	0.344	0.294
Lead	0.015	Not Applicable	(Not Applicable)	mg/L	<0.0001	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600
Lithium	None	Not Applicable	-	mg/L	0.174 J	0.17	0.194	0.181	0.176	0.131	0.139	0.156	0.146	0.166	0.163
Mercury	0.002	Not Applicable	1	mg/L	<0.00015	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	0.0000990 J	0.0000490 J
Molybdenum	None	Not Applicable		mg/L	<0.01	0.00155 J	0.00178 J	0.00149 J	0.00176 J	0.00276 J	0.00210 J	0.000934 J	0.000865 J	0.000959 J	0.000917 J
Selenium	0.05	Not Applicable		mg/L	0.000429 J	<0.0011	<0.0011	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110
Thallium	0.002	Not Applicable		mg/L	<0.0008	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Ra-226 + Ra-228 (combined)	5	Not Applicable		pČi/L	1.46 +/- 0.346	2.12		1.14		1.65	1.81	2.09	2.67	2.47	1.75
					ASSESSMENT			NT MON. #1		ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
					ASSESSMENT MON. #1	LINEW TERES	(RESA	AMPLE)		ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Other Parameters				Units	MON. #1	UNFILTERED		AMPLE) FILTERED	UNFILTERED	MON. #2	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	mg/L	MON. #1	<5	(RESA FILTERED	AMPLE) FILTERED <5		MON. #2 <5.00	MON. #3 6.00 J	MON. #4	MON. #5 <5.00	MON. #6 <5.00	MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L	MON. #1	<5 	(RESA FILTERED	AMPLE) FILTERED <5		MON. #2 <5.00	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L	MON. #1	<5 <5	(RESA FILTERED	**************************************		<5.00 	6.00 J	MON. #4	<5.00 	<5.00 	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L	<5	<5 <5 354	(RESA FILTERED	**************************************		<5.00	6.00 J	MON. #4	MON. #5 <5.00	MON. #6 <5.00	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L	MON. #1	<5 <5	(RESA FILTERED	**************************************		<5.00 	6.00 J	MON. #4	<5.00 	<5.00 	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L	<pre>MON. #1 <5</pre>	<5 <5 354 <5	(RESA FILTERED	**************************************		<5.00	6.00 J 	MON. #4	<5.00	<5.00	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	<5 <5 354 <5 	(RESA FILTERED	**************************************		MON. #2 <5.00	6.00 J	MON. #4	<5.00	MON. #6 <5.00	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<pre>MON. #1 <5</pre>	<5 <5 354 <5 	(RESA	S		MON. #2 <5.00	6.00 J	MON. #4	<5.00	MON. #6 <5.00	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<5	<5 <5 354 <5	(RESA FILTERED	S		MON. #2 <5.00	6.00 J	MON. #4	<5.00	MON. #6 <5.00	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<5	<5 <5 354 <5	(RESA FILTERED	MPLE) FILTERED <5 <5 343 <5		MON. #2 <5.00	6.00 J	MON. #4	MON. #5 <5.00	MON. #6 <5.00	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1	<5 <5 354 <5 27	(RES/FILTERED	AMPLE) FILTERED <5 <5 343 <5 30.4	 29.6	MON. #2 <5.00	MON. #3 6.00 J	MON. #4	MON. #5 <5.00	MON. #6 <5.00	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1	<5 <5 354 <5 27	(RESA FILTERED	**************************************	 29.6	MON. #2 <5.00	6.00 J	MON. #4	MON. #5 <5.00	MON. #6 <5.00	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<pre>MON. #1 <5 0.061 J</pre>	<5 <5 354 <5 27 <0.03	(RES/FILTERED	MPLE) FILTERED <5 <5 343 <5 30.4 <0.03	 29.6	<pre>MON. #2 <5.00 <0.150</pre>	MON. #3 6.00 J 0.191	MON. #4	MON. #5 <5.00 < <0.0600	<pre>MON.#6 <5.00 </pre> <pre> </pre> <pre> </pre> <pre> </pre>	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	<5 <5 354 <5 27 <0.03 8.43	(RES/FILTERED	MPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43	 29.6 <0.03 8.64	<pre>MON. #2 <5.00 <0.150</pre>	MON. #3 6.00 J 0.191	MON. #4	MON. #5 <5.00 <0.0600	<pre>MON. #6 <5.00 < <> < < < <> < < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < <> < < <> < <> < <> < < < <> < <</pre>	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.061 J	<5 <5 354 <5	(RESA FILTERED	MPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43 447	 29.6 <0.03 8.64 418	MON. #2 <5.00 <0.150	MON. #3 6.00 J 0.191	MON. #4	**************************************	MON. #6 <5.00 < < < < < < < < < <	MON. #7 5.00 J 0.0613 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	<5 <5 354 <5 27 <0.03 8.43	(RES/FILTERED	MPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43	 29.6 <0.03 8.64	<pre>MON. #2 <5.00 <0.150</pre>	MON. #3 6.00 J 0.191	MON. #4	MON. #5 <5.00 <0.0600	<pre>MON. #6 <5.00 < <> < < < <> < < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < <> < < <> < <> < <> < < < <> < <</pre>	5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.061 J 2570	<55 <55 354 <55 27 <0.03 8.43 557 3090	(RESA FILTERED	MPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43 447 2960	 29.6 <0.03 8.64 418	MON. #2 <5.00 <0.150	MON. #3 6.00 J 0.191	MON. #4	MON. #5	MON. #6 <5.00 < < < < < < < < < <	MON. #7 5.00 J 0.0613 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.061 J 2570 ASSESSMENT	<55 <55 354 <55 27 <0.03 8.43 557 3090	(RESA FILTERED	AMPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43 447 2960 ENT MON. #1	 29.6 <0.03 8.64 418	MON. #2 <5.00	MON. #3 6.00 J 0.191	MON. #4	**************************************	MON. #6 <5.00 <0.0600 2940	MON. #7 5.00 J 0.0613 J 3050 ASSESSMENT
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.061 J 2570	<5 <5 354 <5 < < < < < < < <	(RESA FILTERED	AMPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43 447 2960 ENT MON. #1 AMPLE)	 29.6 <0.03 8.64 418	MON. #2 <5.00 <0.150	MON. #3 6.00 J 0.191	MON. #4	MON. #5 <5.00 < < <-	MON. #6 <5.00 <0.0600 2940	MON. #7 5.00 J 0.0613 J 3050
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.061 J 2570 ASSESSMENT MON. #1	<5 <5 354 <5 < <5 354 <5 < < < < < < < <	(RESA FILTERED 30.7 <0.03 8.61 416 ASSESSME (RESA) FILTERED	STATE STAT		**************************************	MON. #3 6.00 J 0.191 ASSESSMENT MON. #3	MON. #4	**************************************	**************************************	MON. #7 5.00 J 0.0613 J 3050 ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.061 J 2570 ASSESSMENT MON. #1 25.7	<5 <5 354 <5 < <5 354 <5 < < < < < < < <	(RESA FILTERED	MPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43 447 2960 ENT MON. #1 AMPLE) FILTERED		**************************************	MON. #3 6.00 J 0.191 ASSESSMENT MON. #3	MON. #4	**************************************	MON. #6 <5.00 < < <-	MON. #7 5.00 J 0.0613 J 3050 ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.061 J 2570 ASSESSMENT MON. #1 25.7 7.41	<5 <5 354 <5 < <5 354 <5 < < < < < < < <	(RESAFILTERED 30.7 <0.03 8.61 416 ASSESSME (RESAFILTERED	MPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43 447 2960 ENT MON. #1 MPLE) FILTERED		**************************************	MON. #3 6.00 J 0.191 ASSESSMENT MON. #3 27 7.63	MON. #4	**************************************	MON. #6 <5.00 < < <-	MON. #7 5.00 J 0.0613 J 3050 ASSESSMENT MON. #7 21.4 7.56
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.061 J 2570 ASSESSMENT MON. #1 25.7 7.41 3728	<5 <5 354 <5 < <5 354 <5 < < < < < < < <	(RESA FILTERED 30.7 <0.03 8.61 416 ASSESSME (RESA FILTERED	AMPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43 447 2960 ENT MON. #1 AMPLE) FILTERED		**************************************	MON. #3 6.00 J	MON. #4	MON. #5 <5.00	MON. #6 <5.00	MON. #7 5.00 J 0.0613 J 3050 ASSESSMENT MON. #7 21.4 7.56 3,688
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.061 J 2570 ASSESSMENT MON. #1 25.7 7.41 3728 0.41	<55 <55 354 <55 27 <0.03 8.43 557 3090 UNFILTERED 12.4 7.39 3569 0.66	(RESAFILTERED 30.7 30.7 ASSESSME (RESAFILTERED	AMPLE) FILTERED <5 <5 343 <5 30.4 <10.03 8.43 447 2960 ENT MON. #1 AMPLE) FILTERED		MON. #2 <5.00	MON. #3 6.00 J 0.191 7.63 3751 2.61	MON. #4	MON. #5 <5.00	MON. #6 <5.00	MON. #7 5.00 J 0.0613 J 3050 ASSESSMENT MON. #7 21.4 7.56 3,688 0.44
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	<5 <5 354 <5 27 <0.03 8.43 557 3090 UNFILTERED 12.4 7.39 3569 0.66 -8.8	(RES/FILTERED	AMPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43 447 2960 ENT MON. #1 AMPLE) FILTERED		**************************************	MON. #3 6.00 J	MON. #4	**************************************	MON. #6 <5.00	MON. #7 5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <55 0.061 J 2570 ASSESSMENT MON. #1 25.7 7.41 3728 0.41 30.1 5.63	<5 <5 354 <5 < <5 354 <5 < < < < < < < <	(RES/FILTERED	AMPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43 447 2960 ENT MON. #1 AMPLE) FILTERED		**************************************	MON. #3 6.00 J 0.191 ASSESSMENT MON. #3 27 7.63 3751 2.61 -95.1 1.28	MON. #4	**************************************	**************************************	MON. #7 5.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferric Ir	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	<5 <5 354 <5 27 <0.03 8.43 557 3090 UNFILTERED 12.4 7.39 3569 0.66 -8.8	(RES/FILTERED	AMPLE) FILTERED <5 <5 343 <5 30.4 <0.03 8.43 447 2960 ENT MON. #1 AMPLE) FILTERED		**************************************	MON. #3 6.00 J	MON. #4	**************************************	MON. #6 <5.00	MON. #7 5.00 J

Total Depth from TOC Notes:

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



		Ectablished	Established												NAV 444	BANA/ 4.4.4	DUD4
	MCL or	Established Background	GWPS	Sample ID:	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	DUP-2	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A (Shallow)	MW-14A (Deep)	DUP1 (Deep)
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	25-May-16	23-Aug-16	28-Sep-16	30-Nov-16	31-Jan-17	31-Jan-17	30-Mar-17	2-Jun-17	9-Aug-17	17-May-18	1-Aug-18	9-Aug-18	9-Aug-18
														DETECTION MON. #1	EVALUATION SAMPLE		ON SAMPLE
Detection Monitoring Paramet				Units					PLES TO ESTABL								
Boron	None		Not Applicable	mg/L	0.92	0.92	0.894	1.02	0.984	1.04	1.01	1.03	0.764	1.14	0.925	1.8	1.53
Calcium Chloride	None 250		Not Applicable	mg/L	500 17.7	380 17.1	327 15.5	328 15.2	544 15.7	503 15.8	451 16.3	530 14.8	672 13.8	313 15.3	341 15	746 16	358 14.7
Fluoride	4	Background Well	Not Applicable Not Applicable	mg/L mg/L	0.17	0.472	0.402	0.384	0.372	0.385	0.228	0.232	0.312	0.292	0.333	0.296	0.253
pH (laboratory)	6.5 - 8.5	(Not Applicable)	Not Applicable	S.U.	7.12	7.7	7.6	7.6	7.1	7.1	7.1	7	6.9	7.4	7.3	7.1	7.2
Sulfate	250		Not Applicable	mg/L	2020	1670	1730	1600	1590	1610	1710	1440	1420	1790	1580	1600	1510
Total Dissolved Solids	500		Not Applicable	mg/L	2680	2650	2530	2670	2540	2570	2650	2630	2680	2700	2700	2730	2700
														DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Assessment Monitoring Paran	0.006	Not Applicable		Units	<0.000500	<0.000800	<0.000800	<0.00800	PLES TO ESTABL <0.000800		<0.00400	<0.000800	<0.000800				1
Antimony Arsenic	0.006	Not Applicable Not Applicable	-	mg/L mg/L	0.00363	0.000800 0.000714 J	0.00171 J	<0.00800	0.00153 J	<0.000800 0.00173 J	<0.00200	0.00150 J	0.00306				
Barium	2	Not Applicable	-	mg/L	0.00303	0.0007143	0.001713	0.0156 J	0.001333	0.001733	0.0329	0.001303	0.00300				
Beryllium	0.004	Not Applicable	1 1	mg/L	<0.00100	<0.000100	<0.000100	<0.00100	<0.000100	<0.000100	<0.000500	<0.000100	<0.00100				
Cadmium	0.005	Not Applicable] [mg/L	<0.000400	<0.000100	<0.000100	<0.00100	<0.000100	<0.000100	<0.000500	<0.000100	<0.00100				
Chromium	0.1	Not Applicable	_ [mg/L	<0.000500	<0.000500	<0.000500	<0.00500	<0.000500	<0.000500	<0.00250	<0.000500	<0.000500				
Cobalt Fluoride	None 4	Not Applicable	Background Well	mg/L	0.000730 J 0.17	0.000258 J 0.472	0.000708 J 0.402	<0.00100 0.384	0.000334 J 0.372	0.000342 J 0.385	<0.000500 0.228	<0.000100 0.232	0.000350 J 0.312	0.292	0.333	0.296	0.253
Lead	0.015	Not Applicable Not Applicable	(Not Applicable)	mg/L mg/L	<0.000200	<0.000100	<0.000100	<0.00100	<0.000100	<0.000100	<0.000500	<0.000100	<0.000100	0.292	0.333	0.290	0.255
Lithium	None	Not Applicable	-	mg/L	0.167	0.147	0.147	0.175 J	0.16	0.164	0.235 J	0.147	0.16		0.149	0.328 J	0.134
Mercury	0.002	Not Applicable	1 1	mg/L	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150				
Molybdenum	None	Not Applicable] [mg/L	0.00477	0.00237	0.00524 J	<0.0100	0.00253	0.00238	<0.00500	0.00246	0.00223		<0.00100	<0.0100	0.00144 J
Selenium	0.05	Not Applicable		mg/L	<0.000600	0.000342 J	<0.000300	<0.00300	<0.000300	<0.000300	<0.00150	<0.000300	<0.000300				
Thallium	0.002	Not Applicable		mg/L pCi/L	<0.000500	<0.000800	<0.000800	<0.00800	<0.000800	<0.000800	<0.00400 1.73 +/- 0.346	<0.000800 1.49 +/- 0.351	<0.000800 1.51 +/- 0.326				
	5	Not Applicable		pCi/L	1.60 +/- 0.364	1.62 +/- 0.381	1.90 +/- 0.394	2.02 +/- 0.498	1.39 +/- 0.366	1.38 +/- 0.385	1.73 +/- 0.340	1.49 +/- 0.331	1.51 +/- 0.520				
Ra-226 + Ra-228 (combined)	5	Not Applicable		·	1.60 +/- 0.364	1.62 +/- 0.381						1.49 +/- 0.331	1.51 +/- 0.520	DETECTION	EVALUATION		ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters				pCi/L Units			INI		1.39 +/- 0.366 PLES TO ESTABL		ND			DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	Units mg/L			INI	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROU	ND			DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable	Units mg/L mg/L				TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROU	ND			DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable	Units mg/L mg/L mg/L			INI	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROU	ND		 <5.00	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L			INI	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROU	ND 	 		DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	Units mg/L mg/L mg/L			INI	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROU	ND 	 	 <5.00 280	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None None None	Not Applicable	Not Applicable	Units mg/L			 	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROU	ND 	 	 <5.00 280 <5.00	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L		 		TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND		<5.00 280 <5.00	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L	 			TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND		<5.00 280 <5.00	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/				TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROU	ND		<5.00 280 <5.00	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L				TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND		<pre> <5.00 280 <5.00</pre>	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 			TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND		<pre> <5.00 280 <5.00</pre>	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	 			TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND		 <5.00 280 <5.00 24.4	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/				TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROU	ND		 <5.00 280 <5.00 24.4 7.88	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/				TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND		 <5.00 280 <5.00 24.4 7.88 518	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Total Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Iron, Ferric Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/				TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND		 <5.00 280 <5.00 24.4 7.88	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Total Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/			INI	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND		 <5.00 280 <5.00 24.4 7.88 518	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Total Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/			INI	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROU	ND		 <5.00 280 <5.00 24.4 7.88 518	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	 		INI	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND		 <5.00 280 <5.00 24.4 7.88 518	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	 		INI	TIAL EIGHT SAM	PLES TO ESTABL 17.76 6.97	ISH BACKGROUI	ND		 <5.00 280 <5.00 24.4 7.88 518 21.41 6.75	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 		INI	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND		 <5.00 280 <5.00 24.4 7.88 518	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	 		INI	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND		 <5.00 280 <5.00 24.4 7.88 518 21.41 6.75 3186	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Mitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	20.93 7.01 27.84 127.6 6.74	22.4 7.13 3345 0.39 0.79	INI	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROUI	ND	19.83 6.88 3201 0.34	 <5.00 280 <5.00 24.4 7.88 518 21.41 6.75 3186 0.1 97.7 0.71	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE
Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	20.93 7.01 2781 0.34 127.6	22.4 7.13 3345 0.39 -26.6	INI	TIAL EIGHT SAM	PLES TO ESTABL	ISH BACKGROU	ND	19.83 6.88 3201 0.34 -30.1	 <5.00 280 <5.00 24.4 7.88 518 21.41 6.75 3186 0.1 97.7	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATI	ON SAMPLE

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



		Established	Established										
	MCL				MW-14A	MW	/-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A	MW-14A
	or	Background	GWPS	Sample ID:									
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	4-Oct-18	11-J	an-19	24-Apr-19	2-Oct-19	17-Jun-20	8-Oct-20	31-Mar-21	13-Oct-21
						ASSESSME	NT MON. #1						
					ASSESSMENT	(RESAMPLE)	UNFILTERED	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Detection Monitoring Parame	eters			Units	MON. #1	FILT	ERED	MON. #2	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Boron	None		Not Applicable	mg/L	1.18	1.42	1.16	1.23	0.98	0.907	0.882	0.839	0.857
Calcium	None	1	Not Applicable	mg/L	319	402	388	314	306	280	278	298	263
Chloride	250	Background Well	Not Applicable	mg/L	14.2	14	14.8	13.5	14.2	13.3	14.9	14.3	12.8
Fluoride	4	(Not Applicable)	Not Applicable	mg/L	0.281	0.269	0.375	0.377 J	0.286	0.23	0.254 J	0.284	0.221
pH (laboratory)	6.5 - 8.5	(i toti (ppiiodzio)	Not Applicable	S.U.	7.6	7.28		7.61	7.18	7.44	7.41	7.7	6.74
Sulfate	250	-	Not Applicable	mg/L	1650	1660	1630	1540	1580	1650	1770	1680	1690
Total Dissolved Solids	500		Not Applicable	mg/L	2710	2590	2580	2680	2750	2780	2630	2680	2630
					ASSESSMENT		ENT MON. #1	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
					MON. #1	(RESAMPLE)	UNFILTERED	MON. #2	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Assessment Monitoring Para		Net Applicable		Units	40,0000		ERED ***	*0.000400	40.000400	40.000400	40.000400	*0.000400	40.000.400
Antimony	0.006	Not Applicable	-	mg/L	<0.0008	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Arsenic Barium	0.010	Not Applicable Not Applicable	-	mg/L	<0.004 0.0232	<0.000400 0.017	<0.000400 0.0173	<0.000400 0.0147	<0.000400 0.0118	<0.00040 0.0132	<0.000400 0.0114	<0.000400 0.0117	<0.000400 0.0121
Beryllium	0.004	Not Applicable	-	mg/L mg/L	<0.0232	<0.00200	<0.000200	<0.00200	<0.000200	<0.000200	<0.000200	<0.000200	<0.00200
Cadmium	0.004	Not Applicable	-	mg/L	<0.001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Chromium	0.1	Not Applicable	-	mg/L	<0.005	<0.000400	<0.000400	<0.000400	0.00110 J	<0.000400	<0.000400	<0.000400	<0.000400
Cobalt	None	Not Applicable	De aleman 1344 "	mg/L	0.000297 J	0.000348 J	0.000324 J	0.000425 J	<0.000100	<0.000200	<0.000200	<0.000200	0.000257 J
Fluoride	4	Not Applicable	Background Well	mg/L	0.281	0.269	0.375	0.377 J	0.286	0.23	0.254	0.284	0.221
Lead	0.015	Not Applicable	(Not Applicable)	mg/L	<0.0001	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600
Lithium	None	Not Applicable		mg/L	0.161 J	0.166	0.172	0.155	0.154	0.151	0.146	0.152	0.151
Mercury	0.002	Not Applicable		mg/L	<0.00015	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	0.0000500 J	0.0000300 J
Molybdenum	None	Not Applicable		mg/L	<0.01	0.00170 J	0.00143 J	0.00104 J	0.000709 J	0.000760 J	<0.000600	<0.000600	<0.000600
Selenium	0.05	Not Applicable		mg/L	<0.0003	<0.0011	<0.0011	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110
Thallium	0.002	Not Applicable		mg/L	<0.0008	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Ra-226 + Ra-228 (combined)	5	Not Applicable		pCi/L	1.65 +/- 0.369	2.6		0.97	1.79	2.02	1.42	1.76	1.68
					ASSESSMENT		NT MON. #1	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Other Parameters				Units	ASSESSMENT MON. #1	(RESAMPLE)	ENT MON. #1 UNFILTERED ERED	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Other Parameters Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	Units mg/L		(RESAMPLE)	UNFILTERED			MON. #4	MON. #5 <5.00	MON. #6 <5.00	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable		MON. #1	(RESAMPLE) FILT	UNFILTERED ERED	MON. #2	MON. #3	MON. #4	MON. #5 <5.00 327	MON. #6 <5.00 332	6.00 J 348
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L	MON. #1	(RESAMPLE) FILT	UNFILTERED ERED	MON. #2 <5.00	MON. #3 5.00 J	MON. #4 327 <5	<5.00 327 <5	<pre>MON. #6 <5.00 332 <5</pre>	6.00 J 348 <5.00
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILTI <5 <5 321	UNFILTERED ERED	<5.00	5.00 J	MON. #4 327 <5 327	MON. #5 <5.00 327 <5 327	MON. #6 <5.00 332 <5 332	6.00 J 348 <5.00 348
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILTI <5 <5 321 <5	UNFILTERED ERED	<pre>MON. #2 <5.00</pre>	5.00 J	MON. #4 327 <5 327 <5	MON. #5 <5.00 327 <5 327 <5 <5 <5	MON. #6 <5.00 332 <5 332 <5 <5	6.00 J 348 <5.00 348 <5.00
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILT <5 <5 321 <5 —-	UNFILTERED ERED	MON. #2 <5.00	5.00 J	MON. #4 327 <5 327 <5 0.771(J)	<pre></pre>	MON. #6 <5.00 332 <5 332 <5 0.162 J	6.00 J 348 <5.00 348 <5.00 1.22
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<pre>MON. #1 <5</pre>	(RESAMPLE) FILT <5 <5 321 <5	UNFILTERED ERED	<5.00	5.00 J	MON. #4 327 <5 327 <5 0.771(J) <0.0120	MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.150 J	6.00 J 348 <5.00 348 <5.00 1.22 0.357
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1	(RESAMPLE) FILT <5 <5 321 <5	UNFILTERED ERED	<5.00	5.00 J	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098	MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J 0.184	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.150 J 0.055	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<pre>MON. #1 <5</pre>	(RESAMPLE) FILT <5 <5 321 <5	UNFILTERED ERED	<5.00	5.00 J	MON. #4 327 <5 327 <5 0.771(J) <0.0120	MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.055 0.0340 J	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1	(RESAMPLE) FILTI <5 <5 321 <5	UNFILTERED ERED	<pre>MON. #2 <5.00</pre>	5.00 J	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098	MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J 0.184	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.055 0.0340 J 0.107	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrois, Dissolved Iron, Ferric	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILT <5 <5 321 <5	UNFILTERED ERED	<pre>MON. #2 <5.00</pre>	5.00 J	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098	MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J 0.184	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.055 0.0340 J	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILTI <5 <5 321 <5	UNFILTERED ERED	<pre></pre>	5.00 J	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098	MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J 0.184	**MON. #6 <5.00 332 <5 332 <5 0.162 J 0.150 J 0.055 0.0340 J 0.107 0.116	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1	(RESAMPLE) FILT <5 <5 321 <5 28.8	UNFILTERED ERED	<pre>MON. #2 <5.00</pre>	5.00 J	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6	MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J 0.184 26.2 0.000621 J	**************************************	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1	(RESAMPLE) FILT <5 <5 321 <5 28.8	UNFILTERED ERED	<pre>MON. #2 <5.00</pre>	5.00 J	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J)	**************************************	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.150 J 0.055 0.0340 J 0.107 0.116 25.9 0.00165 J	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5 <0.000600
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILT <5 <5 321 <5 28.8 0.478	UNFILTERED ERED 27.9 0.509	<pre>MON. #2 <5.00 1.64</pre>	MON. #3 5.00 J < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <> < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < < <> < <> < < <> < < <> < < <> < < <> < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <-	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J) 0.316	MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J 0.184 26.2 0.000621 J <0.150	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.055 0.0340 J 0.107 0.116 25.9 0.00165 J <0.0600	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5 <0.000600 <0.0600
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILT <5 <5 321 <5 28.8 0.478 8.64	UNFILTERED ERED 27.9 0.509 8.37	<pre>MON. #2 <5.00 1.64</pre>	MON. #3 5.00 J < < < < < < < < < < < < < <	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J) 0.316 7.66 382	**MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J 0.184 26.2 0.000621 J <0.150 7.94	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.055 0.0340 J 0.107 0.116 25.9 0.00165 J <0.0600 7.87	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5 <0.000600 7.84 388 3320
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILTI <5 <5 321 <5 28.8 0.478 8.64 516	UNFILTERED ERED 27.9 0.509 8.37 467	<pre>MON. #2 <5.00 1.64</pre>	MON. #3 5.00 J <0.0300	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J) 0.316 7.66 382	MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J 0.184 26.2 0.000621 J <0.150 7.94 388	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.150 J 0.055 0.0340 J 0.107 0.116 25.9 0.00165 J <0.0600 7.87 413	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5 <0.000600 <7.84 388
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILT <5 <5 321 <5 28.8 0.478 8.64 516 3270 ASSESSME (RESAMPLE)	UNFILTERED ERED 27.9 0.509 8.37 467 ENT MON. #1 UNFILTERED	**************************************	MON. #3 5.00 J <0.0300 ASSESSMENT	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J) 0.316 7.66 382 <1	**SESSMENT** **SOO ***SOO **SOO ***SOO ***SOO ***SOO ***SOO ***SOO ***SOO ***SOO ***SOO ***S	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.150 J 0.055 0.0340 J 0.107 0.116 25.9 0.00165 J <0.0600 7.87 413 3260 <1	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5 <0.000600 7.84 388 3320 3.08 ASSESSMENT
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.087 J 3000	(RESAMPLE) FILT <5 <5 321 <5 28.8 0.478 8.64 516 3270 ASSESSME (RESAMPLE)	UNFILTERED ERED 27.9 0.509 8.37 467 ENT MON. #1	MON. #2 <5.00	MON. #3 5.00 J < <	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J) 0.316 7.66 382 <1	**MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J 0.184 26.2 0.000621 J <0.150 7.94 388 3660 <1	**Solution	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5 <0.000600 <7.84 388 3320 3.08
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILT <5 <5 321 <5 28.8 0.478 8.64 516 3270 ASSESSME (RESAMPLE)	UNFILTERED ERED 27.9 0.509 8.37 467 ENT MON. #1 UNFILTERED	**************************************	MON. #3 5.00 J <0.0300 ASSESSMENT	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J) 0.316 7.66 382 <1	**SESSMENT** **SOO ***SOO **SOO ***SOO ***SOO ***SOO ***SOO ***SOO ***SOO ***SOO ***SOO ***S	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.150 J 0.055 0.0340 J 0.107 0.116 25.9 0.00165 J <0.0600 7.87 413 3260 <1	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5 <0.000600 7.84 388 3320 3.08 ASSESSMENT
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILT <5 <5 321 <5 28.8 0.478 8.64 516 3270 ASSESSME (RESAMPLE) FILT	UNFILTERED ERED 27.9 0.509 8.37 467 ENT MON. #1 UNFILTERED ERED	**************************************	MON. #3 5.00 J < < <-	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J) 0.316 7.66 382 <1 ASSESSMENT MON. #4	**SESSMENT MON. #5**	MON. #6	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 26.5 <0.000600 7.84 388 3320 3.08 ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILT <5 <5 321 <5 28.8 0.478 8.64 516 3270 ASSESSME (RESAMPLE) FILT	UNFILTERED ERED UNFILTERED UNFILTERED ERED UNFILTERED ERED	**************************************	MON. #3 5.00 J < < <-	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J) 0.316 7.66 382 <1 ASSESSMENT MON. #4	**************************************	**SESSMENT MON. #6** **SOO	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5 <0.000600 7.84 388 3320 3.08 ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILT <5 <5 321 <5 28.8 0.478 8.64 516 3270 ASSESSME (RESAMPLE) FILT 16.2 6.9	UNFILTERED ERED	**************************************	MON. #3 5.00 J <0.0300 ASSESSMENT MON. #3 24.4 7.1	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J) 0.316 7.66 382 <1 ASSESSMENT MON. #4 21 7.04 3107 0.79	MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J 0.184 26.2 0.000621 J <0.150 7.94 388 3660 <1 ASSESSMENT MON. #5 23.7 7.1	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.150 J 0.055 0.0340 J 0.107 0.116 25.9 0.00165 J <0.0600 7.87 413 3260 <1 ASSESSMENT MON. #6	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5 <0.000600 7.84 388 3320 3.08 ASSESSMENT MON. #7 20.0 7.00
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILT <5 <5 321 <5 28.8 0.478 8.64 516 3270 ASSESSME (RESAMPLE) FILT 16.2 6.9 3251 0.19 19.5	UNFILTERED ERED 27.9 0.509 8.37 467 ENT MON. #1 UNFILTERED ERED	**************************************	MON. #3 5.00 J <0.0300 ASSESSMENT MON. #3 24.4 7.1 3435 0.62 27.7	MON. #4 327 <5 327 <5 0.7771(J) <0.0120 0.098 26.6 0.000768(J) 0.316 7.66 382 <1 ASSESSMENT MON. #4 21 7.04 3107 0.79 -45.7	MON. #5	MON. #6 <5.00 332 <5 332 <5 332 <5 0.162 J 0.150 J 0.055 0.0340 J 0.107 0.116 25.9 0.00165 J <0.0600 7.87 413 3260 <1 ASSESSMENT MON. #6 15.84 7.33 4453 0.34 20.5 40.000 30.000 30.0000 30.00000 30.000000 30.0000000 30.0000000000	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 <0.357 26.5 <0.000600 7.84 388 3320 3.08 ASSESSMENT MON. #7 20.0 7.00 2,989 0.40 -128.9
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.087 J 3000 ASSESSMENT MON. #1 23.1 6.93 3491 0.31 13.1 3.17	(RESAMPLE) FILT <5 <5 321 <5 28.8 0.478 8.64 516 3270 ASSESSME (RESAMPLE) FILT 16.2 6.9 3251 0.19 19.5 4.89	UNFILTERED ERED 27.9 0.509 8.37 467 UNFILTERED ERED	**************************************	MON. #3 5.00 J	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J) 0.316 7.66 382 <1 ASSESSMENT MON. #4 21 7.04 3107 0.79 -45.7 4.71	MON. #5 <5.00 327 <5 327 <5 0.236 0.169 J 0.184 26.2 0.000621 J <0.150 7.94 388 3660 <1 ASSESSMENT MON. #5 23.7 7.1 3394 0.59 107.1 2.96	MON. #6 <5.00 332 <5 332 <5 0.162 J 0.150 J 0.055 0.0340 J 0.107 0.116 25.9 0.00165 J <0.0600 7.87 413 3260 <1 ASSESSMENT MON. #6 15.84 7.33 4453 0.34 20.5 3.52	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5 <0.000600 7.84 388 3320 3.08 ASSESSMENT MON. #7 20.0 7.00 2,989 0.40 -128.9 9.38
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESAMPLE) FILT <5 <5 321 <5 28.8 0.478 8.64 516 3270 ASSESSME (RESAMPLE) FILT 16.2 6.9 3251 0.19 19.5	UNFILTERED ERED 27.9 0.509 8.37 467 ENT MON. #1 UNFILTERED ERED	**************************************	MON. #3 5.00 J <0.0300 ASSESSMENT MON. #3 24.4 7.1 3435 0.62 27.7	MON. #4 327 <5 327 <5 0.771(J) <0.0120 0.098 26.6 0.000768(J) 0.316 7.66 382 <1 ASSESSMENT MON. #4 21 7.04 3107 0.79 -45.7	**************************************	MON. #6 <5.00 332 <5 332 <5 332 <5 0.162 J 0.150 J 0.055 0.0340 J 0.107 0.116 25.9 0.00165 J <0.0600 7.87 413 3260 <1 ASSESSMENT MON. #6 15.84 7.33 4453 0.34 20.5 40.000 30.000 30.0000 30.00000 30.000000 30.0000000 30.0000000000	MON. #7 6.00 J 348 <5.00 348 <5.00 1.22 0.357 0.285 <0.0200 H 0.935 0.357 26.5 <0.000600 <0.0600 7.84 388 3320 3.08 ASSESSMENT MON. #7 20.0 7.00 2,989 0.40 -128.9

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

 R: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL or	Established Background	Established GWPS	Sample ID:	MW-15A	MW-15A	MW-15A	MW-15A	DUP 1	MW-15A	MW-15A	MW-15A	MW-15A	MW-15A	MW-15A (Shallow)	MW-15A (Deep)
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	26-May-16	23-Aug-16	28-Sep-16	30-Nov-16	30-Nov-16	30-Jan-17	30-Mar-17	1-Jun-17	9-Aug-17	24-May-18	1-Aug-18	10-Aug-18
Detection Monitoring Paramet	tore			Units			INI	TIAI FIGHT SAM	PI ES TO ESTARI	LISH BACKGROUI	ND			DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Boron	None	1.896	Not Applicable	mg/L	3.33	3.57	4.52	4.44	5.36	4.64	2.01	3.54	3.38	4.83	3.7	4.14
Calcium	None	670.30	Not Applicable	mg/L	152	154	181	209	279	151	117	183	156	160	93.4	129
Chloride	250	18.51	Not Applicable	mg/L	27.1	26.6	27.9	27	26.5	25.4	27.4	28.1	25.7	26.9	26.6	26.5
Fluoride	4	0.6359	Not Applicable	mg/L	1.23	1.32	1.49	1.32	1.33	1.4	1.15	1.09	1.37	1.76	1.2	1.17
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	7.66	8.1	8	7.6	7.7	7.6	7.4	7.5	7.5	7.6	7.8	7.8
Sulfate	250	1,824	Not Applicable	mg/L	1450	1570	1580	1630	1610	1580	1760	1610	1720	1690	1510	1490
Total Dissolved Solids	500	2,774	Not Applicable	mg/L	2470	2420	2410	2540	2530	2460	2640	2600	2710	2660	2490	2610
Assessment Monitoring Parar	motore			Units			IMI	TIAI EIGHT SAM	DI ES TO ESTABI	JSH BACKGROUI	ND			DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.000500	<0.000800	<0.00800	<0.00800	<0.00400	<0.000800	<0.00400	<0.000800	<0.00400			
Arsenic	0.000	Not Applicable	0.000 (MCL)	mg/L	0.00242	0.00218	0.00205	<0.00400	0.00407 J	0.00156 J	<0.00200	0.00218	0.00259 J			
Barium	2	Not Applicable	2 (MCL)	mg/L	0.0269	0.0338	0.0273	0.026	0.0383	0.0255	0.0167	0.0232	0.0217			
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.00100	<0.000100	<0.000100	<0.00100	<0.000500	<0.000100	<0.000500	<0.000100	<0.000500			
Cadmium	0.005	Not Applicable	0.005 (MCL)	mg/L	<0.000400	<0.000100	<0.000100	<0.00100	<0.000500	<0.000100	<0.000500	<0.000100	<0.000500			
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	0.000638 J	<0.000500	<0.000500	<0.00500	<0.00250	<0.000500	<0.00250	<0.000500	<0.00250			
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	0.000664 J	0.000467 J	0.000659 J	<0.00100	0.000661 J	0.000346 J	<0.000500	0.000215 J	<0.000500			
Fluoride	4	Not Applicable	4 (MCL)	mg/L	1.23	1.32	1.49	1.32	1.33	1.4	1.15	1.09	1.37	1.76	1.2	1.17
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	0.000264 J	<0.000100	<0.000100	<0.00100	<0.000500	<0.000100	<0.000500	<0.000100	<0.000500		0.0000	0.0504
Lithium Mercury	None 0.002	Not Applicable Not Applicable	0.235 (UTL) 0.002 (MCL)	mg/L mg/L	0.0748 <0.000150	0.0646 <0.000150	0.0575 <0.000150	0.0630 J <0.000150	0.0766 J <0.000150	0.059 <0.000150	0.0437 J 0.000175 J	0.0552 <0.000150	0.0538 J <0.000100		0.0669	0.0594
Molybdenum	None	Not Applicable	0.002 (WCL)	mg/L	0.306	0.208	0.256	0.276	0.343	0.261	0.182	0.235	0.255		0.202	0.182
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	<0.000600	<0.000300	<0.000300	<0.00300	<0.00150	0.000357 J	<0.00150	0.000539 J	0.233 0.00161 J		0.202	0.102
Thallium	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.000500	<0.000800	<0.000800	<0.00800	<0.00400	<0.000800	<0.00400	<0.000800	<0.00400			
Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	pCi/L	1.01 +/- 0.268		0.636 +/- 0.292		1.33 +/- 0.426	1.21 +/- 0.359	1.36 +/- 0.333	1.86 +/- 0.390	2.19 +/- 0.392			
Other Parameters				Units			INI	TIAL EIGHT SAM	PLES TO ESTAB	ISH BACKGROUI	ND			DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	mg/L												
Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L												
Carbonate Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L									<5.00		ll l	
Bicarbonate Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L											'I——	
Hydroxide Alkalinity	None	Not Applicable	Not Applicable	mg/L									130			
Iron, Total	None	Not Applicable											<5.00			
Iron, Dissolved Iron, Ferrous	None		Not Applicable	mg/L									<5.00 			
IIOII, Fellous	Mono	Not Applicable	Not Applicable	mg/L mg/L								 	<5.00 	 	 	
Iron Ferrous Dissolved	None	Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L				 			 	 	<5.00 		 	
	None	Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L		 	 	 		 	 	 	<5.00 		 	
Iron, Ferric	None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L				 		 	 	 	<5.00 			
Iron, Ferric Iron, Ferric, Dissolved	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L	 		 	 	 	 	 		<5.00 		 	
Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L		 	 	 		 	 	 	<5.00 			
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L				 		 	 		<5.00 9.36			
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L							 		<5.00 9.36		 	
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None 10	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 		 		 	 	 		<5.00 9.36			
Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		 	 			 	 		<5.00 9.36 5.28		 	
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L			 			 	 		<5.00 9.36 5.28 541		 	
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<5.00 9.36 5.28 541			
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L					 		 		<5.00 9.36 5.28 541			
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 	 	 				 		<5.00 9.36 5.28 541			
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L							 		<5.00 9.36 5.28 541 22.68			
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None 10 None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 	 	 				 	 	<5.00 9.36 5.28 541 22.68 7.42			
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None 10 None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 	 						 	<5.00 9.36 5.28 541 22.68 7.42 3524			
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 	 						 	<5.00 9.36 5.28 541 22.68 7.42 3524 0.06			
Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None 10 None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 	24.8 7.72 3373 0.37 -61.7		TIAL EIGHT SAM 18.2 7.59 3430 0.33 -211.9				 	<5.00 9.36 5.28 541 22.68 7.42 3524 0.06 43.1			

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

 R: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	1	Established	Established											
	MCL	Background	GWPS		MW-15A	DUP 2	MW	-15A	MW-15A	MW-15A	MW-15A	MW-15A	MW-15A	MW-15A
Baramatara	or SMCL	(Det. Mon.)	(Ass. Mon.)	Sample ID:	0.0-4.40	0.0-4.40	40.1	40	05 4 40	0.0-1.10	40. 1 00	0.0-4.00	04 14 04	40.0-4.04
Parameters	SIVICE	(Det. WOIL)	(ASS. WOII.)	Sample Date:	2-Oct-18	2-Oct-18		an-19	25-Apr-19	2-Oct-19	18-Jun-20	8-Oct-20	31-Mar-21	13-Oct-21
					ACCECCME	NT MON #4	(RESAMPLE)	NT MON. #1 UNFILTERED	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Detection Monitoring Parame	ters			Units	ASSESSIVE	NT MON. #1	, ,	ERED	MON. #2	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Boron	None	1.896	Not Applicable	mg/L	3.76	3.77	3.52	5.48	3.61	3.19	4.57	3.33	3.35	2.14
Calcium	None	670.30	Not Applicable	mg/L	170	171	129	187	92	82.4	141	89.8	78.6	96.6
Chloride	250	18.51	Not Applicable	mg/L	26.6	26.5	26.3	26.9	21.9	25.9	26.3	26.5	27.3	25.7
Fluoride	4	0.6359	Not Applicable	mg/L	1.21	1.2	1.22	1.46	1.02	1.24	0.86	1.14	1.13	1.01
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	8.2	8.2	7.02		8.02	7.58	7.68	7.77	7.93	7.45
Sulfate Total Dissolved Solids	250 500	1,824 2,774	Not Applicable	mg/L	1570 2650	1580 2570	1610 2590	1540 2640	1310 2570	1510	1680	1650	1590 2420	1580 2370
Total Dissolved Solids	500	2,114	Not Applicable	mg/L	2000	2570		ENT MON. #1	2570	2500	2520	2460	2420	2370
					VGGEGGWE	NT MON. #1	(RESAMPLE)	UNFILTERED	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Assessment Monitoring Paral	motors			Units	AGGEGGWIE	MI MON.#I		ERED	MON. #2	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.0008	<0.0008	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Arsenic	0.010	Not Applicable	0.000 (MCL)	mg/L	0.00179 J	0.00166 J	0.000626 J	0.00122 J	0.000663 J	0.000676 J	0.000965 J	0.000592 J	0.000523 J	0.00113 J
Barium	2	Not Applicable	2 (MCL)	mg/L	0.0226	0.0229	0.023	0.0192	0.0217	0.0216	0.0291	0.0199	0.0186	0.0224
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.0001	<0.0001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Cadmium	0.005	Not Applicable	0.005 (MCL)	mg/L	<0.0001	<0.0001	0.000231 J	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	0.00119 J	<0.0005	<0.000400	<0.000400	<0.000400	<0.000400	0.000900 J	<0.000400	<0.000400	0.000502 J
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	0.000293 J	0.000210 J	<0.000200	0.000374 J	0.000231 J	0.000257 J	0.000402 J	0.000221 J	<0.000200	0.000296 J
Fluoride	4	Not Applicable	4 (MCL)	mg/L	1.21	1.2	1.22	1.46	1.02	1.24	0.86	1.14	1.13	1.01
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	0.000386 J	0.000145 J	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600
Lithium	None	Not Applicable	0.235 (UTL)	mg/L	0.0613	0.0598	0.0701	0.0582	0.0858	0.0743	0.111	0.0709	0.073	0.0627
Melyhdenum	0.002	Not Applicable Not Applicable	0.002 (MCL) 0.1 (ACL)	mg/L	<0.000100 0.233	<0.000100 0.228	<0.0000300 0.205	<0.0000300 0.244	<0.0000300 0.219	<0.0000300 0.196	<0.0000300 0.269	<0.0000300 0.167	0.0000420 J 0.168	<0.0000300 0.149
Molybdenum Selenium	0.05	Not Applicable	0.1 (ACL) 0.05 (MCL)	mg/L mg/L	0.233 0.000459 J	0.000353 J	<0.0011	<0.0011	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110
Thallium	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.0008	<0.0008	0.000565 J	0.000375 J	<0.00010	<0.000100	<0.000110	<0.00010	<0.00010	<0.00010
Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	pCi/L	1.28 +/- 0.294	1.66 +/- 0.358	1.46		<0.87	2.03	1.67	1.72	1.45	2.04
,							ASSESSME	NT MON. #1						
					ASSESSME	NT MON. #1	(RESAMPLE)	UNFILTERED	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Other Parameters				Units			FILT	ERED	MON. #2	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	mg/L	9.51 J	7.46 J	7.00 J		<5.00	18		5.00 J	<5.00	11.0 J
Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L							209	204	196	
Carbonate Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L								204	196	226
Bicarbonate Alkalinity as CaCO3	None	11017 (ppiioabio	140t Applicable	mg/L			<5				<5	<5	<5	<5.00
Hydroxide Alkalinity		Not Applicable	Not Applicable	mg/L			149				209	<5 204	<5 196	<5.00 226
	None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L			149 <5				209 <5	<5 204 <5	<5 196 <5	<5.00 226 <5.00
Iron, Total	None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L			149 <5 				209 <5 0.0535(J)	<5 204 <5 0.0496 J	<5 196 <5 0.0492 J	<5.00 226 <5.00 0.368
Iron, Dissolved	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L	 		149 <5 	 	 		209 <5 0.0535(J) <0.0120	<5 204 <5 0.0496 J 0.165 J	<5 196 <5 0.0492 J 0.133 J	<5.00 226 <5.00 0.368 0.590
Iron, Dissolved Iron, Ferrous	None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L			149 <5 		 		209 <5 0.0535(J) <0.0120 0.0410(J)	<5 204 <5 0.0496 J 0.165 J 0.0210 J	<5 196 <5 0.0492 J 0.133 J 0.054	<5.00 226 <5.00 0.368 0.590 0.284
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L			149 <5 	 	 		209 <5 0.0535(J) <0.0120 0.0410(J)	<5 204 <5 0.0496 J 0.165 J 0.0210 J	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric	None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L			149 <5 		 		209 <5 0.0535(J) <0.0120 0.0410(J)	<5 204 <5 0.0496 J 0.165 J 0.0210 J	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L			149 <5 				209 <5 0.0535(J) <0.0120 0.0410(J) 	<5 204 <5 0.0496 J 0.165 J 0.0210 J	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L			149 <5 	 			209 <5 0.0535(J) <0.0120 0.0410(J) 	<5 204 <5 0.0496 J 0.165 J 0.0210 J	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L			149 <5 12.4	 10.9			209 <5 0.0535(J) <0.0120 0.0410(J) 165	<5 204 <5 0.0496 J 0.165 J 0.0210 J 11	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L			149 <5 12.4	 10.9			209 <5 0.0535(J) <0.0120 0.0410(J) 165 0.168	<5 204 <5 0.0496 J 0.165 J 0.0210 J 11 0.153	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2 0.181
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.068 J	 0.065 J	149 <5 12.4 1.42	 10.9	 1.72	 0.287	209 <5 0.0535(J) <0.0120 0.0410(J) 165 0.168 <0.0600	<5 204 <5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 0.0840 0.590 0.0840 0.590
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.068 J	 0.065 J	149 <5 12.4 1.42 5.98	 10.9 0.616 5.47	 1.72	 0.287	209 <5 0.0535(J) <0.0120 0.0410(J) 165 0.168 <0.0600 8.24 1040	<5 204 <5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150 5.15	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2 0.181 0.0704 J 4.97 421 3370
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.068 J	 0.065 J	149 <5 12.4 1.42 5.98 746	 10.9 0.616 5.47 703	 1.72	 0.287	209 <5 0.0535(J) <0.0120 0.0410(J) 165 0.168 <0.0600 8.24 1040	<5 204 <5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150 5.15 627	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47 594	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2 0.181 0.0704 J 4.97 421
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.068 J	 0.065 J	149 <5 12.4 1.42 5.98 746 3540	 10.9 0.616 5.47 703	 1.72	 0.287	209 <5 0.0535(J) <0.0120 0.0410(J) 165 0.168 <0.0600 8.24 1040 1.12	<5 204 <5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150 5.15 627 3780 <1	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47 594 3400 <1	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 0.181 0.0704 J 4.97 421 3370 <1.00
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.068 J	 0.065 J	149 <5 12.4 1.42 5.98 746 3540	 10.9 0.616 5.47 703	1.72 1.72	0.287 0.287	209 <5 0.0535(J) <0.0120 0.0410(J) 165 0.168 <0.0600 8.24 1040 1.12 ASSESSMENT	<5 204 <5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150 5.15 627 3780 <1	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47 594 3400 <1	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2 0.181 0.0704 J 4.97 421 3370 <1.00 ASSESSMENT
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.068 J	 0.065 J	149 <5 12.4 1.42 5.98 746 3540 ASSESSME (RESAMPLE)	 10.9 0.616 5.47 703 	1.72	 0.287	209 <5 0.0535(J) <0.0120 0.0410(J) 165 0.168 <0.0600 8.24 1040 1.12	<5 204 <5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150 5.15 627 3780 <1	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47 594 3400 <1	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 0.181 0.0704 J 4.97 421 3370 <1.00
iron, Dissolved iron, Ferrous iron, Ferrous, Dissolved iron, Ferrics iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.068 J 3490 		149 <5 12.4 1.42 5.98 746 3540 ASSESSME (RESAMPLE) FILT	10.9 0.616 5.47 703 NT MON. #1 UNFILTERED			209	<5 204 <5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150 5.15 627 3780 <1 ASSESSMENT MON. #5	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47 594 3400 <1	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2 0.181 0.0704 J 4.97 421 3370 <1.00 ASSESSMENT MON. #7
Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.068 J 3490 ASSESSME		149 <5 12.4 1.42 5.98 746 3540 ASSESSME (RESAMPLE) FILT	10.9 0.616 5.47 703 ENT MON. #1 UNFILTERED ERED			209	<pre><5 204 <5 204 <5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150 5.15 627 3780 <1 ASSESSMENT MON. #5</pre>	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47 594 3400 <1	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2 0.181 0.0704 J 4.97 421 3370 <1.00 ASSESSMENT MON. #7
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.068 J 3490 ASSESSME		149 <5 12.4 1.42 5.98 746 3540 ASSESSME (RESAMPLE) FILT 18.5 7.45	10.9 0.616 5.47 703 NT MON. #1 UNFILTERED	1.72 ASSESSMENT MON. #2 20.72 7.82		209 <5 0.0535(J) <0.0120 0.0410(J) 165 0.168 <0.0600 8.24 1040 1.12 ASSESSMENT MON. #4 24.09 7.73	<pre><5 204 </pre> <pre><5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150 5.15 627 3780 <1 ASSESSMENT MON. #5</pre> <pre>22.2 7.71</pre>	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47 594 3400 <1	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2 0.181 0.0704 J 4.97 421 3370 <1.00 ASSESSMENT MON. #7 22.4 7.61
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.068 J 3490 ASSESSME 23.1 7.53		149 <5 12.4 1.42 5.98 746 3540 ASSESSME (RESAMPLE) FILT 18.5 7.45 3449	10.9 0.616 5.47 703 UNFILTERED ERED	1.72 ASSESSMENT MON. #2 20.72 7.82 3544		209	<pre><5 204 </pre> <pre><5 204 </pre> <pre><5 0.0496 J 0.165 J 0.0210 J 11 0.153 </pre> <pre><0.150 5.15 627 3780 <1</pre> <pre>ASSESSMENT MON.#5</pre> <pre> 22.2 7.71 3422</pre>	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47 594 3400 <1	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2 0.181 0.0704 J 4.97 421 3370 <1.00 ASSESSMENT MON. #7
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.068 J 3490 ASSESSME	 0.065 J 3480 NT MON. #1	149 <5 12.4 1.42 5.98 746 3540 ASSESSME (RESAMPLE) FILT 18.5 7.45	10.9 0.616 5.47 703 UNFILTERED ERED	1.72 ASSESSMENT MON. #2 20.72 7.82		209 <5 0.0535(J) <0.0120 0.0410(J) 165 0.168 <0.0600 8.24 1040 1.12 ASSESSMENT MON. #4 24.09 7.73	<pre><5 204 </pre> <pre><5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150 5.15 627 3780 <1 ASSESSMENT MON. #5</pre> <pre>22.2 7.71</pre>	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47 594 3400 <1	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2 0.181 0.0704 J 4.97 421 3370 <1.00 ASSESSMENT MON. #7
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L			149 <5 12.4 1.42 5.98 746 3540 ASSESSME (RESAMPLE) FILT 18.5 7.45 3449 0.41	10.9 10.9 0.616 5.47 703 ENT MON. #1 UNFILTERED ERED	1.72 ASSESSMENT MON. #2 20.72 7.82 3544 1.24		209	<pre><5 204 <5 204 <5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150 5.15 627 3780 <1 ASSESSMENT MON. #5 22.2 7.71 3422 0.28</pre>	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47 594 3400 <1	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2 0.181 0.0704 J 4.97 421 3370 <1.00 ASSESSMENT MON. #7 22.4 7.61 3,431 0.38
Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrics Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L			149 <5 12.4 1.42 5.98 746 3540 ASSESSME (RESAMPLE) FILT 18.5 7.45 3449 0.41 98	10.9 10.9 0.616 5.47 703 UNFILTERED ERED			209	<pre><5 204 <5 204 <5 0.0496 J 0.165 J 0.0210 J 11 0.153 <0.150 5.15 627 3780 <1 ASSESSMENT MON. #5 22.2 7.71 3422 0.28 167.2</pre>	<5 196 <5 0.0492 J 0.133 J 0.054 0.0320 J <0.02 0.101 10.9 0.159 1.14 5.47 594 3400 <1	<5.00 226 <5.00 0.368 0.590 0.284 <0.0200 H 0.0840 0.590 10.2 0.181 0.0704 J 4.97 421 3370 <1.00 ASSESSMENT MON. #7 22.4 7.61 3,431 0.38 -59.9

Total Depth from TOC Notes:

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL or	Established Background	Established GWPS	Sample ID:	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	DUP 3	MW-16	MW-16 (Shallow)	MW-16 (Deep)
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	1-Jun-16	23-Aug-16	29-Sep-16	6-Dec-16	1-Feb-17	6-Apr-17	7-Jun-17	11-Aug-17	11-Aug-17	22-May-18	1-Aug-18	10-Aug-18
Detection Monitoring Parame	aters			Units			IN	ITIAI FIGHT SAM	PI ES TO ESTAR	LISH BACKGROU	ND			DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Boron	None	1.896	Not Applicable	mg/L	1.39	1.44	2.84	2.38	2.43	1.64	1.64	1.79	1.74	1.95	1.9	2.39 J
Calcium	None	670.30	Not Applicable	mg/L	365	242	192	311	153	241	357 J*	238	235	122	159	185
Chloride	250	18.51	Not Applicable	mg/L	<35.0	20.2	23.2	22.9	26.5	16.7 J*	15.3 J*	18	17.7	21.3	20.6	29.6
Fluoride	4	0.6359	Not Applicable	mg/L	0.843	1.02	1.36	0.936 J*	1.03	0.759 J*	0.721 J*	0.817	0.801	1.01	0.963	1.17
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	7.05	7.8	7.6	7.6	7.6	7.3	7.2	7.2	7.2	7.5	7.5	7.8
Sulfate Total Dissolved Solids	250 500	1,494 1,883	Not Applicable Not Applicable	mg/L mg/L	1340 1790	1040 1780	1070 1760	1390 1790	915 1860	1180 1740	995 1690	1020 1710	1020 1730	933 1820	938 1810	998 1930
	·	1,000	Not Applicable		1730	1700						1710	1730	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Assessment Monitoring Para				Units	2.00050					LISH BACKGROU						
Antimony Arsenic	0.006	Not Applicable Not Applicable	0.006 (MCL) 0.01 (MCL)	mg/L	<0.00250 <0.00250	<0.000800 0.00101 J	<0.000800 U (0.00164)	<0.00400 <0.00200	<0.000800 0.000757 J	<0.000800 0.00122 J	<0.00400 <0.00400	<0.000800 0.000409 J	<0.000800 0.000453 J		<u></u>	
Barium	2	Not Applicable	2 (MCL)	mg/L mg/L	0.00250	0.001013	0.0262	0.00200	0.000757 3	0.001223	0.027	0.000409 3	0.000453 J			
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.00500	<0.000100	<0.000100	<0.000500	<0.000100	U (0.000375)	<0.00500	<0.000100	<0.00100			
Cadmium	0.005	Not Applicable	0.005 (MCL)	mg/L	<0.00200	<0.000100	<0.000100	<0.000500	<0.000100	<0.000100	<0.00100	<0.000100	<0.000100			
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	0.00604 J	<0.000500	0.0579	<0.00250	<0.000500	<0.000500	<0.00500	<0.000500	<0.000500			
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	<0.00250	0.000340 J	0.000498 J	<0.000500	<0.000100	<0.000100	<0.00100	0.000354 J	0.000343 J			
Fluoride	4	Not Applicable	4 (MCL)	mg/L	0.843	1.02	1.36	0.936 J*	1.03	0.759 J*	0.721 J*	0.817	0.801	1.01	0.963	1.17
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	<0.000200	<0.000100	<0.000100	<0.000500	<0.000100	<0.000100	<0.000500	<0.000100	<0.000100		0.0574	0.0404
Lithium Mercury	None 0.002	Not Applicable Not Applicable	0.235 (UTL) 0.002 (MCL)	mg/L mg/L	0.0495 J <0.000150	0.0509 <0.000150	0.0470 J <0.000150	0.0760 J <0.000150 UJ	0.0632 <0.000150	0.0525 <0.000150	0.0534 J <0.000150	0.0480 J <0.000150	0.0472 J <0.000150		0.0571	0.0491
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	0.135 J	0.134	0.0949	0.17	0.114	0.177	0.218	0.181	0.181		0.145	0.154
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	<0.00300	<0.000300	U (0.000418)	<0.00150	0.000307 J	<0.000300	<0.00300	<0.000300	<0.000300			
Thallium	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.000500	<0.000800	<0.00800	<0.00400	<0.000800	<0.000800	<0.00400	<0.000800	<0.000800			
Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	pČi/L	1.28 +/- 0.305	1.01 +/- 0.359	1.11 +/- 0.324	0.925 +/- 0.572	1.09 +/- 0.398	0.504 +/- 0.260	0.608 +/- 0.256	1.55 +/- 0.391	0.994 +/- 0.366			
Other Parameters				Units			IN	ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	ND			DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	<i>Units</i> mg/L		ļ 	IN	ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	ND		ļ 			
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L										MON. #1	SAMPLE 	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L								<5.00	 <5.00	MON. #1	SAMPLE 	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L					 			<5.00 238	<5.00 215	MON. #1	 	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L								<5.00 238 <5.00	<5.00 215 <5.00	MON. #1	 	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 238 <5.00	<5.00 215 <5.00 	MON. #1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 238 <5.00	<5.00 215 <5.00	MON. #1	 	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L	 							<5.00 238 <5.00 	<pre><5.00 215 <5.00</pre>	MON. #1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							<5.00 238 <5.00 	<5.00 215 <5.00 	MON. #1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 238 <5.00 	<5.00 215 <5.00	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 238 <5.00 10.3	<pre> <5.00 215 <5.00 10.1</pre>	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 238 <5.00 10.3	<pre> <5.00 215 <5.00 10.1</pre>	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 238 <5.00 10.3	<pre> <5.00 215 <5.00 10.1 </pre>	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								 <5.00 238 <5.00 10.3 3.33	 <5.00 215 <5.00 10.1 3.28	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								 <5.00 238 <5.00 10.3 3.33 272		MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 238 <5.00 10.3 3.33 272	 <5.00 215 <5.00 10.1 3.28	MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								 <5.00 238 <5.00 10.3 3.33 272		MON. #1	SAMPLE	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								 <5.00 238 <5.00 10.3 3.33 272		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L							 	 <5.00 238 <5.00 10.3 3.33 272	<5.00 215 <5.00 10.1 3.28 270	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							 <5.00 238 <5.00 10.3 3.33 272 24.61 7.09		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							 <5.00 238 <5.00 10.3 10.3 272 24.61 7.09 2330		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							 <5.00 238 <5.00 10.3 10.3 272 24.61 7.09 2330 0.16		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 	23.5 7.33 2327 2.53						 <5.00 238 <5.00 10.3 10.3 272 24.61 7.09 2330		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	18.9 7.24 2066 0.38	23.5 7.33 2327 2.53 46		ITIAL EIGHT SAM 16.91 7.14 2395 0.25 -135.8				<5.00 238 <5.00 10.3 3.33 272 24.61 7.09 2330 0.16 60.3		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	18.9 7.24 2066 0.38 47.3 2.18	23.5 7.33 2327 2.53 46 0.85		ITIAL EIGHT SAM 16.91 7.14 2395 0.25 -135.8 0.98	PLES TO ESTAB 19.27 7.49 2620 0.59 -104.9 0.18		ND 20.46 7.1 2256 0.04 0.4			MON. #1	SAMPLE	SAMPLE

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



Parameters			Fatable to	Fatablish			1							
Page						MW-16	MV	V-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
Decided Monitoring Parameters			_		•									
Description Montrolling Parameters	Parameters	SIVICE	(Det. MOII.)	(ASS. IVIOII.)	Sample Date:	2-Oct-18			23-Apr-19	3-Oct-19	18-Jun-20	13-Oct-20	1-Apr-21	14-Oct-21
Second Mone Mone Fig. 50 Not Applicable mgl. 276 278 278 189 180 183 181 178 187 181 181 185 181 181 185 181 1	Detection Monitoring Paramet	ters			Units		(RESAMPLE)	UNFILTERED						
Chooke 20			1.896	Not Applicable	mg/L	2.05	2.23	2.38	1.85	1.53	1.43	1.78	1.57	1.61
Flacement A 0.000 Net Application Prof. Net Application														
pit glidenstern) 65 - 5 - 5 - 6 - 6 - 7 - 8														
Suffeen 260 1,494 Not Applicable mg/L 1790 1700 1														
Total Devolver Solids														
Assessment Monitoring Parameters														
Assessment Monitoring Parameters		1 222	.,	,										
Assessment Nonthomp promoters Control Co														
Appenin Q	Assessment Monitoring Parar	meters			Units	MON. #1	, ,		MON. #2	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Bertum	_		Not Applicable	0.006 (MCL)	mg/L	<0.0008	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Barylium	Arsenic	0.010	Not Applicable	0.01 (MCL)		<0.002	<0.000400	<0.000400	<0.000400	0.000465 J	<0.000400	<0.000400	<0.000400	0.000417 J
Cadmum					mg/L									
Chromism	· .													
Cobatt None														
Flacoride														
Lead														
Lithium														
Mercury 0.002 Net Applicable 0.002 (MCL) mgl. 4.000100 4.0000300														
Selenium														
Thailium Re226 Fa - 228 (combined) S Not Applicable S (NCL) D; (UL) T) + 10 - 288 S S S S S S S S S	Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	0.169	0.18	0.18	0.193	0.149	0.172	0.149	0.166	0.163
Ra-228 + Ra-228 (combined) S Not Applicable S (MCL) PCU 10.7 + 0.288 1.01 <0.52 0.81 1.18 1.35 0.99 1.82	Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	<0.0003	<0.0011	<0.0011	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110
ASSESSMENT MON. #1 ASSESSMENT MON. #1 ASSESSMENT MON. #2 ASSESSMENT MON. #3 ASSESSMENT MON. #4 ASSESSMENT MON. #4 MON. #5 MON. #4 MON. #5 MON.														
ASSESSMENT MON. #2 MON. #3 MON. #4 MON. #3 MON. #4 MON. #5 MON. #4 MON. #4 MON. #5 MON. #4 MON. #5 MON. #6 MON. #5 MON. #6 M	Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	pCi/L	1.07 +/- 0.288			<0.62	0.81	1.18	1.35	0.99	1.82
Other Parameters														
Total Nationary as CaCO3						ASSESSMENT			ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Carbonate Alkalinity as CaCO3					Units		(RESAMPLE) FILT	UNFILTERED	MON. #2	MON. #3				
Bicarbonate Alkalinify as CaCO3 None Not Applicable mg/L 256	Chemical Oxygen Demand (COD)				mg/L	MON. #1 <5.00	(RESAMPLE) FILT	UNFILTERED ERED	MON. #2 <5.00	MON. #3 <5.00	MON. #4	MON. #5 <5.00	MON. #6 <5.00	MON. #7
Hydroxide Alkalinity	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L	MON. #1 <5.00	(RESAMPLE) FILT <5	UNFILTERED ERED	MON. #2 <5.00	MON. #3 <5.00	MON. #4	MON. #5 <5.00 233	MON. #6 <5.00 228	7.00 J 264
Iron, Total	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L	MON. #1 <5.00	(RESAMPLE) FILT <5 <5	UNFILTERED ERED	MON. #2 <5.00	<5.00 	MON. #4 232 <5	MON. #5 <5.00 233 <5	MON. #6 <5.00 228 <5	7.00 J 264 <5.00
Iron, Dissolved None Not Applicable Mot Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L	MON. #1 <5.00	(RESAMPLE) FILT <5 <5 256	UNFILTERED ERED	<5.00 	<5.00 	MON. #4 232 <5 232	MON. #5 <5.00 233 <5 233	MON. #6 <5.00 228 <5 <28	7.00 J 264 <5.00 264
Iron, Ferrous None Not Applicable Not Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00	(RESAMPLE) FILT <5 <5 256 <5	UNFILTERED ERED	<pre>MON. #2 <5.00</pre>	<5.00	MON. #4 232 <5 232 <5 5	MON. #5 <5.00 233 <5 233 <5 <5	MON. #6 <5.00 228 <5 228 <5 5	7.00 J 264 <5.00 264 <5.00
Iron, Ferric None Not Applicable Not Applicable mg/L -	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L	<5.00	(RESAMPLE) FILT <5 <5 256 <5	UNFILTERED ERED	MON. #2 <5.00	<5.00		MON. #5 <5.00 233 <5 233 <5 0.125 J	 MON. #6 <5.00 228 <5 228 <5 0.0536 J 	7.00 J 264 <5.00 264 <5.00 0.369
Iron, Ferric None Not Applicable Not Applicable mg/L .	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<5.00	(RESAMPLE) FILT <5 <5 256 <5	UNFILTERED ERED	<5.00	<5.00	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J)	MON. #5 <5.00 233 <5 233 <5 0.125 J 0.0694 J	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J	7.00 J 264 <5.00 264 <5.00 0.369 0.190 J
Magnesium None Not Applicable Mot Applicable mg/L 10.2 10.2 .	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00	(RESAMPLE) FILT <5 <5 256 <5	UNFILTERED ERED	<5.00	<5.00	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J)	MON. #5 <5.00 233 <5 233 <5 0.125 J 0.0694 J 0.0240 J	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020	7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191
Molybdenum, Dissolved None Not Applicable Not Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	**************************************	(RESAMPLE) FILT <5 <5 256 <5	UNFILTERED ERED	<pre>MON. #2 <5.00</pre>	MON. #3 <5.00	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J)	MON. #5 <5.00 233 <5 233 <5 0.125 J 0.0694 J 0.0240 J	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020 <0.020	7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H
Nitrate as N 10	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00	(RESAMPLE) FILT <5 <5 256 <5	UNFILTERED ERED	<pre>MON. #2 <5.00</pre>	MON. #3 <5.00	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J)	MON. #5 <5.00 233 <5 233 <5 0.125 J 0.0694 J 0.0240 J	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020 <0.020 <0.0536 <0.0536 <0.0536 <0.0536	7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190
Potassium None Not Applicable Not Applicable mg/L 4.18 4.07 2.85 3.09 3.12 3.18 Sodium None Not Applicable Not Applicable mg/L 405 394 309 316 325 295 Specific Conductance (laboratory) None Not Applicable Not Applicable Not Applicable mg/L Sulfide None Not Applicable Sulfide Sulfid	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00	(RESAMPLE) FILT <5 <5 256 <5	UNFILTERED ERED	<pre></pre>	MON. #3 <5.00	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44	MON. #5 <5.00 233 <5 233 <5 0.125 J 0.0694 J 0.0240 J 7.59	**Solution	7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38
Sodium None Not Applicable Not Applicable Mot Applicable mg/L 405 394 309 316 325 295 Specific Conductance (laboratory) None Not Applicable Not Applicable mg/L Suffide None Not Applicable Not Applicable Not Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	**************************************	(RESAMPLE) FILT <5 <5 256 <5 10.2	UNFILTERED ERED	<pre>MON. #2 <5.00</pre>	**************************************	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173	MON. #5 <5.00 233 <5 233 <5 0.125 J 0.0694 J 0.0240 J 7.59 0.16	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020 <0.020 <0.020 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 <0.0536 </td <td>7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189</td>	7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189
Specific Conductance (laboratory) None Not Applicable Not Applicable Not Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	**************************************	(RESAMPLE) FILT <5 <5 256 <5 10.2 <0.03	UNFILTERED ERED	<pre>MON. #2 <5.00</pre>	<pre>MON. #3 <5.00 <0.0300</pre>	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600	MON. #5 <5.00 233 <5 233 <5 0.125 J 0.0694 J 0.0240 J 7.59 0.16 <0.0600	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020 <0.020 <0.020 <0.0536 <0.02 7.65 0.18 0.687	7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300
Sulfide None Not Applicable Not Applicable Mot Applicable mg/L	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	**************************************	(RESAMPLE) FILT <5 <5 256 <5 10.2 <0.03 4.18	UNFILTERED ERED	<pre>MON. #2 <5.00 0.854</pre>	<pre>MON. #3 <5.00 < <</pre>	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85	MON. #5 <5.00 233 <5 233 <5 0.125 J 0.0694 J 0.0240 J 7.59 0.16 <0.0600 3.09	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020 <0.020 <0.0536 <0.02 7.65 0.18 0.687 3.12	7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18
ASSESSMENT RESAMPLE Units ASSESSMENT MON. #1 UNFILTERED MON. #2 UNFILTERED ASSESSMENT MON. #3 MON. #4 MON. #5 MON. #6 MON. #6 MON. #6 MON. #7	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.133	(RESAMPLE) FILT <5 <5 256 <5 10.2 <0.03 4.18 405	UNFILTERED ERED	**MON. #2	**MON. #3 <5.00 <0.0300	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85 309	MON. #5 <5.00 233 <5 0.125 J 0.0694 J 0.0240 J 7.59 0.16 <0.0600 3.09 316	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020 <0.020 0.0536 <0.02 7.65 0.18 0.687 3.12 325	MON. #7 7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18 295
Field Parameters None Not Applicable Not Applicable OC 25.4 14.8 19.31 24.89 21.9 23.5 16.32 23.0	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.133 2240	(RESAMPLE) FILT <5 <5 256 <5 10.2 <0.03 4.18 405 2340	UNFILTERED ERED 10.2 <0.03 4.07 394	<pre>MON. #2 <5.00 0.854</pre>	<pre>MON. #3 <5.00 < <0.0300</pre>	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85 309	MON. #5 <5.00 233 <5 233 <5 0.125 J 0.0694 J 0.0240 J 7.59 0.16 <0.0600 3.09 316 2400	**Solution	MON. #7 7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18 295 2340
pH 6.5 - 8.5 Not Applicable Not Applicable S.U. 7.53 7.21 7.56 7.82 7.66 7.69 8.12 7.74 Specific Conductance None Not Applicable Not Applicable μmhos/cm 2816 2273 2330 2836 2438 2615 3178 2,699 Dissolved Oxygen None Not Applicable Not Applicable mg/L 0.25 1.37 0.83 3.67 2.18 1.99 0.46 3.3 Oxidation-Reduction Potential None Not Applicable Not Applicable mV -131.8 278.9 28.7 -191.5 -56.9 6.02 57.7 -167.2 Turbidity None Not Applicable NTU 2.89 6.82 1.03 2.53 1.48 3.09 0.75 2.16 4.38 Depth to Water from TOC None Not Applicable ft 2.38 7.59 6.61 6.76 7.51 <th>Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)</th> <th>None None None None None None None None</th> <th>Not Applicable Not Applicable</th> <th>Not Applicable Not Applicable</th> <th>mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L</th> <th>MON. #1 <5.00 0.133 2240 ASSESSMENT</th> <th>(RESAMPLE) FILT <5 <5 256 <5 10.2 <0.03 4.18 405 2340 ASSESSME (RESAMPLE)</th> <th>UNFILTERED ERED 10.2 <0.03 4.07 394 ENT MON. #1 UNFILTERED</th> <th>**************************************</th> <th>**MON. #3 <5.00 <0.0300 ASSESSMENT</th> <th>MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85 309 <1</th> <th> MON. #5 </th> <th>MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020 <0.020 0.0536 <0.02 7.65 0.18 0.687 3.12 325 2420 <1</th> <th>MON. #7 7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18 295 2340 <1.00 ASSESSMENT</th>	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.133 2240 ASSESSMENT	(RESAMPLE) FILT <5 <5 256 <5 10.2 <0.03 4.18 405 2340 ASSESSME (RESAMPLE)	UNFILTERED ERED 10.2 <0.03 4.07 394 ENT MON. #1 UNFILTERED	**************************************	**MON. #3 <5.00 <0.0300 ASSESSMENT	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85 309 <1	MON. #5	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020 <0.020 0.0536 <0.02 7.65 0.18 0.687 3.12 325 2420 <1	MON. #7 7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18 295 2340 <1.00 ASSESSMENT
Specific Conductance None Not Applicable νπhos/cm 2816 2273 2330 2836 2438 2615 3178 2,699 Dissolved Oxygen None Not Applicable Not Applicable mg/L 0.25 1.37 0.83 3.67 2.18 1.99 0.46 3.3 Oxidation-Reduction Potential None Not Applicable Not Applicable mV -131.8 278.9 28.7 -191.5 -56.9 60.2 57.7 -167.2 Turbidity None Not Applicable Nt Applicable NtU 2.89 6.82 1.03 2.53 1.48 3.09 0.75 2.16 4.38 Depth to Water from TOC None Not Applicable ft 2.38 7.59 6.61 6.76 7.51 4.75 5.45	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.133 2240 ASSESSMENT MON. #1	(RESAMPLE) FILT <5 <5 256 <5 10.2 <0.03 4.18 405 2340 ASSESSME (RESAMPLE) FILT	UNFILTERED ERED 10.2 <0.03 4.07 394 ENT MON. #1 UNFILTERED	**************************************	**************************************	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85 309 <1 ASSESSMENT MON. #4	MON. #5 <5.00 233 <5 233 <5 0.125 J 0.0694 J 0.0240 J 7.59 0.16 <0.0600 3.09 316 2400 1.4 ASSESSMENT MON. #5	**SESSMENT MON. #6**	MON. #7 7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18 295 2340 <1.00 ASSESSMENT MON. #7
Dissolved Oxygen None Not Applicable Not Applicable mg/L 0.25 1.37 0.83 3.67 2.18 1.99 0.46 3.3 Oxidation-Reduction Potential None Not Applicable Not Applicable mV -131.8 278.9 28.7 -191.5 -56.9 60.2 57.7 -167.2 Turbidity None Not Applicable Ntd Applicable NTU 2.89 6.82 1.03 2.53 1.48 3.09 0.75 2.16 4.38 Depth to Water from TOC None Not Applicable Not Applicable ft 7.59 6.61 6.76 7.51 4.75 5.45	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.133 2240 ASSESSMENT MON. #1 25.4	(RESAMPLE) FILT <55 256 <5 10.2 <0.03 4.18 405 2340 ASSESSME (RESAMPLE) FILT 14.8	UNFILTERED ERED 10.2 <0.03 4.07 394 UNFILTERED ERED	**************************************	**MON. #3 <5.00	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85 309 <1 ASSESSMENT MON. #4	MON. #5 <5.00 233 <5 233 <5 0.125 J 0.0694 J 0.0240 J 7.59 0.16 <0.0600 3.09 316 2400 1.4 ASSESSMENT MON. #5 23.5	MON. #6	MON. #7 7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18 295 2340 <1.00 ASSESSMENT MON. #7
Oxidation-Reduction Potential None Not Applicable Not Applicable mV -131.8 278.9 28.7 -191.5 -56.9 60.2 57.7 -167.2 Turbidity None Not Applicable Not Applicable NTU 2.89 6.82 1.03 2.53 1.48 3.09 0.75 2.16 4.38 Depth to Water from TOC None Not Applicable Not Applicable ft 2.38 7.59 6.61 6.76 7.51 4.75 5.45	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.133 2240 ASSESSMENT MON. #1 25.4 7.53	(RESAMPLE) FILT <5 <5 256 <5 10.2 <0.03 4.18 405 2340 ASSESSME (RESAMPLE) FILT 14.8 7.21	UNFILTERED ERED	**************************************	**MON. #3 <5.00 <0.0300 **ASSESSMENT MON. #3 24.89 7.82	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85 309 <1 ASSESSMENT MON. #4 21.9 7.66	MON. #5	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020 <0.020 0.0536 <0.02 7.65 0.18 0.687 3.12 325 2420 <1 ASSESSMENT MON. #6	MON. #7 7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18 295 2340 <1.00 ASSESSMENT MON. #7
Turbidity None Not Applicable Not Applicable NTU 2.89 6.82 1.03 2.53 1.48 3.09 0.75 2.16 4.38 Depth to Water from TOC None Not Applicable Not Applicable ft 7.59 6.61 6.76 7.51 4.75 5.45	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.133 0.133 2240 ASSESSMENT MON. #1 25.4 7.53 2816	(RESAMPLE) FILT <55 256 <51 10.2 10.2 <0.03 4.18 405 2340 ASSESSME (RESAMPLE) FILT 14.8 7.21 2273	UNFILTERED ERED	**************************************	**************************************	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85 309 <1 ASSESSMENT MON. #4 21.9 7.66 2438	MON. #5	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020 <0.020 0.0536 <0.02 7.65 0.18 0.687 3.12 325 2420 <1 ASSESSMENT MON. #6 16.32 8.12 3178	MON. #7 7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18 295 2340 <1.00 ASSESSMENT MON. #7 23.0 7.74 2,699
Depth to Water from TOC None Not Applicable Not Applicable ft 2.38 7.59 6.61 6.76 7.51 4.75 5.45	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.133 2240 ASSESSMENT MON. #1 25.4 7.53 2816 0.25	(RESAMPLE) FILT <5 <5 256 <5 10.2 <10.2 <0.03 4.18 405 2340 ASSESSME (RESAMPLE) FILT 14.8 7.21 2273 1.37	UNFILTERED ERED	**MON. #2 <5.00 0.854 ASSESSMENT MON. #2 19.31 7.56 2330 0.83	**************************************	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85 309 <1 ASSESSMENT MON. #4 21.9 7.66 2438 2.18	MON. #5	MON. #6	MON. #7 7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18 295 2340 <1.00 ASSESSMENT MON. #7 23.0 7.74 2,699 3.3
	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature PH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.133 2240 ASSESSMENT MON. #1 25.4 7.53 2816 0.25 -131.8	(RESAMPLE) FILT <5 <5 256 <5 10.2 <0.03 4.18 405 2340 ASSESSME (RESAMPLE) FILT 14.8 7.21 2273 1.37 278.9	UNFILTERED ERED	**MON. #2 <5.00 0.854 **ASSESSMENT MON. #2 19.31 7.56 2330 0.83 28.7	MON. #3 <5.00	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85 309 <1 ASSESSMENT MON. #4 21.9 7.66 2438 2.18 -56.9	MON. #5	MON. #6	MON. #7 7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18 295 2340 <1.00 ASSESSMENT MON. #7 23.0 7.74 2,699 3.3 -167.2
	Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5.00 0.133 2240 ASSESSMENT MON. #1 25.4 7.53 2816 0.25 -131.8 2.89	(RESAMPLE) FILT <5	UNFILTERED ERED	**************************************	**MON. #3 <5.00	MON. #4 232 <5 232 <5 0.0358(J) 0.0160(J) 0.0380(J) 8.44 0.173 <0.0600 2.85 309 <1 ASSESSMENT MON. #4 21.9 7.66 2438 2.18 -56.9 3.09	**SESSMENT MON. #5 *ASSESSMENT MON. #5 **ASSESSMENT MON. #5 **A	MON. #6 <5.00 228 <5 228 <5 0.0536 J 0.0140 J <0.020 <0.020 <0.02536 <0.02 7.65 0.18 0.687 3.12 325 2420 <1 ASSESSMENT MON. #6 16.32 8.12 3178 0.46 57.7 2.16	MON. #7 7.00 J 264 <5.00 264 <5.00 0.369 0.190 J 0.191 <0.0200 H 0.178 0.190 7.38 0.189 <0.0300 3.18 295 2340 <1.00 ASSESSMENT MON. #7 23.0 7.74 2,699 3.3 -167.2 4.38

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL or	Established Background	Established GWPS	Sample ID:	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	DUP 2	MW-17	MW-17 (Shallow)	MW-17 (Deep)
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	1-Jun-16	3-Aug-16	30-Sep-16	2-Dec-16	1-Feb-17	29-Mar-17	1-Jun-17	10-Aug-17	10-Aug-17	21-May-18	1-Aug-18	10-Aug-18
Detection Monitoring Parame	ntore			Units				NITIAI EIGHT SA	MDI ES TO ESTAR	LISH BACKGROUN	ND.			DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Boron	None	1.896	Not Applicable	mg/L	0.634	0.586	0.854	0.838 J	0.817	<0.875	0.713	0.666	0.64	0.588	0.659	0.845 J
Calcium	None	670.30	Not Applicable	mg/L	750	529	540	535	441	727	564	528	537	436	549	787
Chloride	250	18.51	Not Applicable	mg/L	4.08	3.64	3.46	5.58 J*	3.45	3.04	3.11	3.28	3.37	3.15	3.84	3.27
Fluoride	4	0.6359	Not Applicable	mg/L	0.322	0.365	0.58	0.480 J*	0.488	0.266	0.361	0.328	0.323	0.324	0.47	0.317
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	6.82	6.8	7.5	7.6	7.1	6.9	6.8	6.9	6.8	6.9	7.2	7
Sulfate Total Dissolved Solids	250 500	1,557 2,343	Not Applicable Not Applicable	mg/L	1170 1980	1300 2070	1250 1980	1470 2260	1200 2050	1140 1870	1310 2180	1450 2140	1300 2140	1140 2360	1310 2340	1340 2380
	·	2,040	Not Applicable	mg/L	1900	2070						2140	2140	DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Assessment Monitoring Para		No. A E L.	0.000 (1401)	Units	.0.000500	-0.00400				LISH BACKGROUN		-0.000000	-0.000000			
Antimony Arsenic	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.000500 0.00204	<0.00100 0.00154 J	<0.000800 0.00226	<0.00800 <0.00400	<0.000800 0.000663 J	<0.000800 0.00251	<0.000800 0.00154 J	<0.000800 <0.000400	<0.000800 <0.000400			
Barium	0.010	Not Applicable Not Applicable	0.01 (MCL) 2 (MCL)	mg/L mg/L	0.00204	0.00154 J	0.00226 0.00460 J	<0.00400	0.000663 J 0.00344	U (0.00333)	0.00154 J 0.00160 J	0.00236	0.000400			
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.00100	<0.00299	<0.004003	<0.00100	<0.000100	<0.00250	<0.001003	<0.00230	<0.00293			
Cadmium	0.005	Not Applicable	0.004 (MCL)	mg/L	<0.00400	<0.00200	<0.000100	<0.00100	<0.000100	<0.00230	<0.000100	<0.000100	<0.000100			
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	<0.000500	<0.00100	<0.000500	<0.00500	0.00140 J	<0.000500	<0.000500	<0.000500	<0.000500			
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	<0.000500	<0.00100	0.000225 J	<0.00100	<0.000100	<0.000500	<0.000100	<0.000100	<0.000100			
Fluoride	4	Not Applicable	4 (MCL)	mg/L	0.322	0.365	0.58	0.480 J*	0.488	0.266	0.361	0.328	0.323	0.324	0.47	0.317
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	<0.000200	<0.000200	<0.000100	<0.00100	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100		0.400	0.404
Lithium Mercury	0.002	Not Applicable Not Applicable	0.235 (UTL) 0.002 (MCL)	mg/L	0.14 <0.000150	0.174 <0.000150	0.155 J <0.000150	0.158 J <0.000150	0.146 <0.000150	0.121 <0.000150	0.133 <0.000150	0.148 <0.000150	0.143 <0.000150		0.128	0.131
Molybdenum	None	Not Applicable	0.002 (MCL)	mg/L mg/L	0.000130 0.000840 J	<0.00100	0.00135 J	<0.0100	<0.00100	<0.00500	<0.00130	<0.00100	<0.00100		<0.00100	<0.00100
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	<0.000600	<0.00100	U (0.000709)	<0.00300	0.000526 J	<0.00300	<0.000300	<0.000300	<0.000300			
Thallium	0.002	Not Applicable	0.002 (MCL)		<0.000500	<0.00100	<0.000800	<0.00800	<0.000800	<0.000800	<0.000800	<0.000800	<0.00800			
Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	mg/L pCi/L	0.539 +/- 0.261	0.265 +/- 0.260 U							0.183 +/- 0.207 U			
Other Parameters				Units				INITIAL EIGHT SA	MPLES TO ESTAB	LISH BACKGROUN	ND			DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Other Parameters Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	Units mg/L				INITIAL EIGHT SA	MPLES TO ESTAB	LISH BACKGROUN	ND					
	None None	Not Applicable Not Applicable	Not Applicable Not Applicable											MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L								 <5.00	 <5.00	MON. #1	SAMPLE 	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L								<5.00 260	<5.00 259	MON. #1	 	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L			 					<5.00 260 <5.00	<5.00 259 <5.00	MON. #1	 	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 260 <5.00	<5.00 259 <5.00	MON. #1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<pre><5.00 260 <5.00</pre>	<pre><5.00 259 <5.00</pre>	MON. #1		SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 260 <5.00	<5.00 259 <5.00	MON. #1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 260 <5.00 	<5.00 259 <5.00 	MON. #1		SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 260 <5.00 	<5.00 259 <5.00	MON. #1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 260 <5.00 	<5.00 259 <5.00 	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 260 <5.00 36.6	 <5.00 259 <5.00 36	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								<5.00 260 <5.00 36.6	<pre> <5.00 259 <5.00 36</pre>	MON. #1		SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								 <5.00 260 <5.00 36.6 5.15		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								 <5.00 260 <5.00 36.6 5.15 34.5	 <5.00 259 <5.00 36 5.14 34.4	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								 <5.00 260 <5.00 36.6 5.15		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								 <5.00 260 <5.00 36.6 5.15 34.5	 <5.00 259 <5.00 36 5.14 34.4	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								 <5.00 260 <5.00 36.6 5.15 34.5		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L								 <5.00 260 <5.00 36.6 5.15 34.5 	<5.00 259 <5.00 36 5.14 34.4	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Iron, Ferroic Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							 <5.00 260 <5.00 36.6 5.15 34.5 21.98 6.69	 <5.00 259 <5.00 36 5.14 34.4	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							 <5.00 260 <5.00 36.6 5.15 34.5 21.98 6.69 2417		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							 <5.00 260 <5.00 36.6 5.15 34.5 21.98 6.69 2417 0.29	<5.00 259 <5.00 36 5.14 34.4	MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20.98 6.91 2052 1.07 42.5	23.28 6.71 2230 3.66 4	20.36 6.83 2402 0.43					 <5.00 260 <5.00 36.6 5.15 34.5 21.98 6.69 2417 0.29 65.7		MON. #1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 							 <5.00 260 <5.00 36.6 5.15 34.5 21.98 6.69 2417 0.29	<5.00 259 <5.00 36 5.14 34.4	MON. #1	SAMPLE	SAMPLE -
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20.98 6.91 2052 1.07 42.5 0.53		20.36 6.83 2402 0.43 99.6	NITIAL EIGHT SA 19.58 6.79 2405 0.95 -183.4 0.43				 <5.00 260 <5.00 36.6 5.15 34.5 21.98 6.69 2417 0.29 65.7 0.81	<5.00 259 <5.00 36 5.14 34.4	MON. #1	SAMPLE	SAMPLE

Total Depth from TOC

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.

- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample. 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL or	Established Background	Established GWPS	Sample ID:	MW-17	MV	<i>J-</i> 17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	3-Oct-18	10-J	an-19	25-Apr-19	3-Oct-19	18-Jun-20	12-Oct-20	31-Mar-21	14-Oct-21
Detection Monitoring Parame	ters			Units	ASSESSMENT MON. #1	ASSESSME (RESA UNFILTERED	NT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Boron	None	1.896	Not Applicable	mg/L	0.567	0.766	0.729	0.796	0.622	0.652	0.64	0.539	0.700
Calcium	None	670.30	Not Applicable	mg/L	461	591	499	499	555	494	453	467	428
Chloride	250	18.51	Not Applicable	mg/L	4.81	3.44	4.16	3.65	3.75	4.29	4.04	4.06	4.02
Fluoride	4	0.6359	Not Applicable	mg/L	0.393	0.337	0.27	0.392 J	0.37	0.211	0.366	0.412	0.317
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	7.5	6.59		7.53	6.37	7.38	7.51	7.34	7.12
Sulfate Total Dissolved Solids	250 500	1,557 2,343	Not Applicable	mg/L	821 1670	1480 2300	1200 1870	1100 2400	1310 2160	1390	1,220 H	1310 2200	1390 2210
Total Dissolved Solids	500	2,343	Not Applicable	mg/L	ASSESSMENT	ASSESSME	NT MON. #1	ASSESSMENT	ASSESSMENT	2230 ASSESSMENT	2160 ASSESSMENT	ASSESSMENT	ASSESSMENT
A				11-24-	MON. #1	•	MPLE)	MON. #2	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Assessment Monitoring Parai		Not Applicable	0.006 (MCL)	Units ma/l	<0.0008	UNFILTERED	FILTERED	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.0008 <0.0004	<0.000400	<0.000400	<0.000400 <0.000400	<0.000400				
Arsenic Barium	0.010	Not Applicable	0.01 (MCL)	mg/L	0.00231	<0.000400 <0.00190	<0.000400 0.00250 J	<0.00400	<0.000400 <0.00190	<0.000400 <0.00190	<0.000400 <0.00190	<0.000400 <0.00190	<0.000400 <0.00190
Beryllium	0.004	Not Applicable Not Applicable	2 (MCL) 0.004 (MCL)	mg/L	<0.00231	<0.00190	<0.00250 3	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
Cadmium	0.004	Not Applicable Not Applicable	0.004 (MCL)	mg/L mg/L	<0.0001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Chromium	0.005	Not Applicable	0.005 (MCL)	mg/L	0.0022	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	<0.0022	0.000238 J	<0.000200	0.000313 J	<0.000400	0.000281 J	<0.000400	0.000239 J	0.000275 J
Fluoride	4	Not Applicable	4 (MCL)	mg/L	0.393	0.337	0.27	0.392 J	0.37	0.211	0.366	0.412	0.317
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	<0.0001	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600
Lithium	None	Not Applicable	0.235 (UTL)	mg/L	0.122	0.159	0.148	0.151	0.138	0.147	0.123	0.114	0.140
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.000100	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	0.000142 J	0.0000540 J
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	<0.001	<0.000600	<0.000600	0.000671 J	<0.000600	<0.000600	<0.000600	0.000950 J	<0.000600
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	0.000675 J	<0.0011	<0.0011	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110
Thallium	0.002	Not Applicable	0.002 (MCL)	mg/L pCi/L	<0.0008	<0.000200	<0.000200	<0.000200	0.000539 J	<0.000200	<0.000200	<0.000200	<0.000200
Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	pCi/L	1.27 +/- 0.335	<0.78		<0.75	<0.76	<0.68	<0.69	<0.84	0.97
Other Parameters				Units	ASSESSMENT MON. #1		NT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Other Parameters Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	<i>Units</i>	MON. #1	(RESA	MPLE)				MON. #5	MON. #6	MON. #7
Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L		(RESA UNFILTERED	MPLE) FILTERED	MON. #2	MON. #3	MON. #4			
Chemical Oxygen Demand (COD)		Not Applicable Not Applicable Not Applicable			MON. #1	(RESA UNFILTERED <5.00	MPLE) FILTERED	MON. #2 <5.00	MON. #3	MON. #4	MON. #5 <5.00	MON. #6	MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L	MON. #1 6.13 J	(RESA UNFILTERED <5.00	MPLE) FILTERED	MON. #2 <5.00	MON. #3 <5.00	MON. #4	MON. #5 <5.00 273	MON. #6 <5.00 269	7.00 J 288
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L	6.13 J 	(RESA UNFILTERED <5.00 <5	MPLE) FILTERED	MON. #2 <5.00	<5.00 	MON. #4 284 <5	MON. #5 <5.00 273 <5	MON. #6 <5.00 269 <5	7.00 J 288 <5.00
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L	6.13 J	(RESA UNFILTERED <5.00 <5 280	MPLE)	MON. #2 <5.00	<5.00 		MON. #5 <5.00 273 <5 273 <5 <0.0120	MON. #6 <5.00 269 <5 <69 <5 <5 <0.0541 J	7.00 J 288 <5.00 288 <5.00 <0.0120
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L	6.13 J	(RESA UNFILTERED <5.00 <5 280 <5	MPLE)	MON. #2 <5.00	<5.00 	MON. #4 284 <5 284 <5 (0.0120 <0.0120	MON. #5 <5.00 273 <5 273 <5 <5 <5	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120	7.00 J 288 <5.00 288 <5.00 <0.0120 0.0198 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	6.13 J 	(RESA UNFILTERED <5.00 <5 280 <5	MPLE)	MON. #2 <5.00	<5.00		MON. #5 <5.00 273 <5 273 <5 <0.0120 <0.0120 <0.02	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02	7.00 J 288 <5.00 288 <5.00 <0.0120 0.0198 J <0.0200
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	6.13 J	(RESA UNFILTERED < 5.00 < 5 280 < 5	MPLE)	MON. #2 <5.00	MON. #3 <5.00	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J)	MON. #5 <5.00 273 <5 273 <5 <0.0120 <0.012 <0.02	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02	7.00 J 288 <5.00 288 <5.00 <0.0120 0.0198 J <0.0200 <0.0200 H
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J	(RESA UNFILTERED < 5.00 < 5 280 < 5	MPLE)	MON. #2 <5.00	<5.00	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J)	MON. #5 <5.00 273 <5 273 <5 <0.0120 <0.0120 <0.02	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 0.0541	7.00 J 288 <5.00 288 <5.00 <0.0120 0.0198 J <0.0200 <0.0200 H
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	6.13 J	(RESA UNFILTERED < 5.00 < 5	MPLE) FILTERED	MON. #2 <5.00	MON. #3 <5.00	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J)	MON. #5 <5.00 273 <5 273 <5 <0.0120 <0.0120 <0.02	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 0.0541 <0.02	7.00 J 288 <5.00 288 <5.00 <0.0120 0.0198 J <0.0200 <0.0200 H <0.0200 <0.0200
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J	(RESA UNFILTERED < 5.00 < 5	MPLE) FILTERED 31.3	MON. #2 <5.00	MON. #3 <5.00	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8	MON. #5 <5.00 273 <5 273 <5 <0.0120 <0.012 <0.02 30.9	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.0541 <0.02 20.0541 <0.02 29.3	7.00 J 288 <5.00 288 <5.00 0.0120 0.0198 J <0.0200 <0.0200 H <0.0200 H <0.0200 34.6
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J	(RESA UNFILTERED <5.00 <5 280 <5 38.1	MPLE) FILTERED 31.3	MON. #2 <5.00	**************************************	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J)	MON. #5 <5.00 273 <5 273 <5 <0.0120 <0.0120 <0.02 30.9 <0.000600	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.0541 <0.02 20.0541 <0.02 29.3 0.00292 J	7.00 J 288 <5.00 288 <5.00 0.0120 0.0198 J <0.0200 <0.0200 H <0.0200 34.6 <0.000600
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J	(RESA UNFILTERED <5.00 <5 280 <5 38.1 <0.03	MPLE) FILTERED 31.3 0.519	MON. #2 <5.00 <0.150	**************************************	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.0600	MON. #5 <5.00 273 <5 273 <5 <0.0120 <0.0120 <0.02 30.9 <0.000600 <0.0600	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.02 29.3 0.00292 J <0.0300	7.00 J 288 <5.00 288 <5.00 <0.0120 0.0198 J <0.0200 <0.0200 H <0.0200 34.6 <0.000600 <0.0600
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J 0.276	(RESA UNFILTERED <5.00 <5 280 <5 38.1 <0.03 5.37	MPLE) FILTERED 31.3 0.519 4.9	MON. #2 <5.00	**************************************	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.0600 5.15	MON. #5 <5.00 273 <5 273 <5 <0.0120 <0.0120 <0.02 30.9 <0.00600 <4.42	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.02 0.0541 <0.02 29.3 <0.0300 4.19	MON. #7 7.00 J 288 <5.00 288 <5.00 <0.0120 0.0198 J <0.0200 <0.0200 H <0.0200 34.6 <0.000600 4.94
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J 0.276	(RESA UNFILTERED < 5.00 < 5	MPLE) FILTERED 31.3 0.519 4.9 32.9	MON. #2 <5.00 <0.150	MON. #3 <5.00 <0.0300	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.0600 5.15 35.6	**************************************	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.02 <0.0541 <0.02 <0.0541 <0.02 <0.030 4.19 28.2	MON. #7 7.00 J 288 <5.00 288 <5.00 <0.0120 0.0198 J <0.0200 <0.0200 H <0.0200 <0.0200 34.6 <0.00600 <4.94 32.5
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J 0.276	(RESA UNFILTERED <5.00 <5 280 <5 38.1 <0.03 5.37	MPLE) FILTERED 31.3 0.519 4.9	MON. #2 <5.00	**************************************	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.0600 5.15 35.6	MON. #5 <5.00 273 <5 273 <5 <0.0120 <0.0120 <0.02 30.9 <0.000600 <0.0600 4.42 29.2 2610	**MON. #6** <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.0541 <0.02 29.3 <0.0300 4.19 28.2 2460	7.00 J 288 <5.00 288 <5.00 0.0120 0.0198 J <0.0200 <0.0200 H <0.0200 34.6 <0.000600 <0.0600 4.94 32.5 2390
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J 0.276 1920	(RESA UNFILTERED <5.00 <5 280 <5 38.1 <0.03 5.37 35.7 2450 ASSESSME	MPLE) FILTERED 31.3 0.519 4.9 32.9	MON. #2 <5.00 <0.150	MON. #3 <5.00 < <	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.0600 5.15 35.6	**************************************	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.02 <0.0541 <0.02 <0.0541 <0.02 <0.030 4.19 28.2	MON. #7 7.00 J 288 <5.00 288 <5.00 <0.0120 0.0198 J <0.0200 <0.0200 H <0.0200 <0.0200 34.6 <0.00600 <4.94 32.5
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J 0.276 1920 ASSESSMENT MON. #1	(RESA UNFILTERED < 5.00 < 5 280 < 5	MPLE) FILTERED 31.3 0.519 4.9 32.9 NT MON. #1 MPLE) FILTERED	MON. #2 <5.00 <0.150 ASSESSMENT MON. #2	MON. #3 <5.00 < < < <	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.0600 5.15 35.6 <1 ASSESSMENT MON. #4	**************************************	MON. #6 <5.00 269 <5 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.0541 <0.02 29.3 <0.0300 4.19 28.2 2460 <1 <1 ASSESSMENT MON. #6	MON. #7 7.00 J 288 <5.00 288 <5.00 0.0120 0.0198 J <0.0200 <0.0200 H <0.0200 34.6 <0.0000 <0.0600 4.94 32.5 2390 1.12 ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J 0.276 1920 ASSESSMENT MON. #1	(RESA UNFILTERED <5.00 <5 280 <5 38.1 <0.03 5.37 35.7 2450 ASSESSME (RESA UNFILTERED	MPLE) FILTERED 31.3 0.519 4.9 32.9 NT MON. #1 MPLE) FILTERED	MON. #2 <5.00 <0.150 ASSESSMENT MON. #2 19.26	MON. #3 <5.00 < < <-	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.0600 5.15 35.6 <1 ASSESSMENT MON. #4 21.2	**************************************	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.02 0.0541 <0.02 29.3 0.00292 J <0.0300 4.19 28.2 2460 <1 ASSESSMENT MON. #6	MON. #7 7.00 J 288 <5.00 288 <5.00 <0.0120 0.0198 J <0.0200 <0.0200 4.0200 <0.0200 34.6 <0.000600 4.94 32.5 2390 1.12 ASSESSMENT MON. #7 22.9
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J 0.276 1920 ASSESSMENT MON. #1 23.3 6.7	(RESA UNFILTERED <5.00 <5 280 <5 38.1 <0.03 5.37 35.7 2450 ASSESSME (RESA UNFILTERED 15.9 6.67	MPLE) FILTERED 31.3 0.519 4.9 32.9 NT MON. #1 MPLE) FILTERED	MON. #2 <5.00 < < < <	MON. #3 <5.00 < < <-	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.0600 5.15 35.6 <1 ASSESSMENT MON. #4 21.2 6.8	**************************************	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.02 29.3 <0.00292 J <0.0300 4.19 28.2 2460 <1 ASSESSMENT MON. #6 21.04 6.88	MON. #7 7.00 J 288 <5.00 288 <5.00 <0.0120 0.0198 J <0.0200 <0.0200 H <0.0200 34.6 <0.000600 <4.94 32.5 2390 1.12 ASSESSMENT MON. #7 22.9 6.90
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J 0.276 1920 ASSESSMENT MON. #1 23.3 6.7 2548	(RESA UNFILTERED < 5.00 < 5 280 < 5	MPLE) FILTERED 31.3 0.519 4.9 32.9 NT MON. #1 MPLE) FILTERED	MON. #2 <5.00 <0.150 ASSESSMENT MON. #2 19.26 7.09 2470	MON. #3 <5.00 < <	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.00600 5.15 35.6 <1 ASSESSMENT MON. #4 21.2 6.8 2344	**************************************	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.0541 <0.02 29.3 <0.00292 J <0.0300 4.19 28.2 2460 <1 ASSESSMENT MON. #6 E1.04 6.88 3321	MON. #7 7.00 J 288 <5.00 288 <5.00 0.0120 0.0129 0.0198 J 0.0200 0.0200 0.0200 0.0200 34.6 0.0200 4.94 32.5 2390 1.12 ASSESSMENT MON. #7 22.9 6.90 2,467
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J 0.276 1920 1920 ASSESSMENT MON. #1 23.3 6.7 2548 0.44	(RESA UNFILTERED < 5.00 < 5 280 < 5	MPLE) FILTERED 31.3 31.9 NT MON. #1 MPLE) FILTERED	MON. #2 <5.00 <0.150 ASSESSMENT MON. #2 19.26 7.09 2470 1.8	MON. #3 <5.00 <0.0300 <0.0300 ASSESSMENT MON. #3 23.63 6.88 2458 0.8	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.0600 5.15 35.6 <1 ASSESSMENT MON. #4 21.2 6.8 2344 1.35	**************************************	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.0541 <0.02 29.3 <0.0300 4.19 28.2 2460 <1 ASSESSMENT MON. #6 6.88 3321 0.27	MON. #7 7.00 J 288 <5.00 288 <5.00 0.0120 0.0198 J 0.0200 H 0.0200 0.0200 34.6 0.0200 0.0200 4.94 32.5 2390 1.12 ASSESSMENT MON. #7 22.9 6.90 2,467 0.52
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J 0.276 1920 1920 ASSESSMENT MON. #1 23.3 6.7 2548 0.44 237.5	(RESA UNFILTERED < 5.00 < 5 280 < 5	MPLE) FILTERED 31.3 0.519 4.9 32.9 NT MON. #1 MPLE) FILTERED	MON. #2 <5.00 <0.150 ASSESSMENT MON. #2 19.26 7.09 2470 1.8 2.4	**************************************	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.0600 5.15 35.6 <1 ASSESSMENT MON. #4 21.2 6.8 2344 1.35 -28.1	**************************************	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.0541 <0.02 29.3 <0.0300 4.19 28.2 2460 <1 ASSESSMENT MON. #6 21.04 6.88 3321 0.27 -2.5	MON. #7 7.00 J 288 <5.00 288 <5.00 0.0120 0.0198 J <0.0200 <0.0200 H <0.0200 34.6 <0.0000 <0.0600 4.94 32.5 2390 1.12 ASSESSMENT MON. #7 22.9 6.90 0.52 61.7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 6.13 J 0.276 1920 1920 ASSESSMENT MON. #1 23.3 6.7 2548 0.44	(RESA UNFILTERED < 5.00 < 5 280 < 5	MPLE) FILTERED 31.3 31.9 NT MON. #1 MPLE) FILTERED	MON. #2 <5.00 <0.150 ASSESSMENT MON. #2 19.26 7.09 2470 1.8	MON. #3 <5.00 <0.0300 <0.0300 ASSESSMENT MON. #3 23.63 6.88 2458 0.8	MON. #4 284 <5 284 <5 <0.0120 <0.0120 0.02(J) 37.8 0.00123(J) <0.0600 5.15 35.6 <1 ASSESSMENT MON. #4 21.2 6.8 2344 1.35	**************************************	MON. #6 <5.00 269 <5 269 <5 0.0541 J <0.0120 <0.02 <0.02 <0.0541 <0.02 29.3 <0.0300 4.19 28.2 2460 <1 ASSESSMENT MON. #6 6.88 3321 0.27	MON. #7 7.00 J 288 <5.00 288 <5.00 0.0120 0.0120 0.0198 J <0.0200 <0.0200 0.0200 34.6 <0.0200 <0.0200 34.6 <0.00600 <1.020 4.94 32.5 2390 1.12 ASSESSMENT MON. #7 22.9 6.90 2.467 0.52

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

 R: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL or	Established Background	Established GWPS	Sample ID:	MW-18	MW-18	MW-18	DUP 2	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18 (Shallow)	MW-18 (Deep)
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	1-Jun-16	3-Aug-16	30-Sep-16	30-Sep-16	2-Dec-16	31-Jan-17	5-Apr-17	7-Jun-17	10-Aug-17	18-May-18	2-Aug-18	10-Aug-18
														DETECTION MON.	EVALUATION SAMPLE	VERIFICATION SAMPLE
Detection Monitoring Paramet	ters			Units				INITIAL EIGHT	SAMPLES TO ES	TABLISH BACKGROU	ND			#1		SAWIFLE
Boron	None	1.896	Not Applicable	mg/L	5.91	6.45	6.88	6.15	6.82	9.71	8.51	6.39	6.51	6.71	4.86	6.65
Calcium	None	670.30	Not Applicable	mg/L	39.7	36.9	34.7	35.8	34.5	34.1	30.5	37.3 J*	28.7	28.1	36.1	31.1
Chloride	250	18.51	Not Applicable	mg/L	6.77	6.71	6.67	6.8	6.02	6.31	5.94	5.54 J*	6.1	5.19	8.04	5.33
Fluoride	6.5 - 8.5	0.6359 6.485 - 8.018	Not Applicable	mg/L S.U.	1.15 10.4	1.26 10.3	1.49	1.6	1.38 10.2	1.29	1.43 10.6	1.38 J* 10.7	1.38	1.37	1.26 7.8	1.35 10.2
pH (laboratory) Sulfate	250	1,820	Not Applicable Not Applicable	mg/L	1430	1800	1320	1320	1300	10.5	1170	1200	10.7	1120	996	1030
Total Dissolved Solids	500	2,006	Not Applicable	mg/L	2000	1910	1870	1860	1860	1830	1800	1850	1850	1740	1660	1730
	<u>.</u>			<u> </u>		·								DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Assessment Monitoring Paran	neters			Units				INITIAL EIGHT	SAMPLES TO ES	TABLISH BACKGROU	ND			#1	SAIVIPLE	SAMPLE
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.00250	<0.00100	<0.000800	<0.000800	<0.00800	<0.000800	<0.000800	<0.00400	<0.000800			
Arsenic	0.010	Not Applicable	0.01 (MCL)	mg/L	0.00331 J	0.00476	0.00296	0.00307	0.00402 J	0.00334	0.00295	<0.00400	0.00329			
Barium	2	Not Applicable	2 (MCL)	mg/L	0.00489	0.00472	0.00551	0.00512 J	0.00232 J	0.00526	0.00375	0.00485 J	0.00402			
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.00500	<0.00200	<0.000100	<0.000500	<0.00100	<0.000100	<0.000100	<0.000500	<0.000100			
Cadmium Chromium	0.005	Not Applicable Not Applicable	0.005 (MCL) 0.1 (MCL)	mg/L mg/L	<0.00200 <0.00250	<0.000800 <0.00100	<0.000100 <0.000500	<0.000100 <0.00250	<0.00100 <0.00500	0.000242 J <0.000500	0.000123 J <0.000500	<0.00100 <0.00500	<0.000100 <0.000500			
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	<0.00250	<0.00100	<0.000300	<0.00230	<0.00300	<0.000300	<0.000300	<0.00300	<0.000300			
Fluoride	4	Not Applicable	4 (MCL)	mg/L	1.15	1.26	1.49	1.6	1.38	1.29	1.43	1.38 J*	1.38	1.37	1.26	1.35
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	<0.000200	<0.000200	<0.000100	<0.000100	<0.00100	<0.000100	<0.000100	<0.000500	<0.000100			
Lithium	None	Not Applicable	0.235 (UTL)	mg/L	<0.0100	0.00315 J	<0.00300	<0.0150	<0.0300	0.00305 J	<0.00300	<0.0150	<0.00300		0.0144 J	<0.00300
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150			
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	0.43	0.433	0.392	0.417	0.434	0.403	0.4	0.442	0.39		0.113	0.319
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	0.00503 J	0.00399 J	0.00231	0.00317	0.00301 J	0.00268	0.00177 J	<0.00300	0.00278			
Thallium Ra-226 + Ra-228 (combined)	0.002	Not Applicable Not Applicable	0.002 (MCL) 5 (MCL)	mg/L pCi/L	<0.000500	<0.00100	<0.000800	<0.000800	<0.00800	<0.000800 0.00496 +/- 0.256 U	<0.000800	<0.00400	<0.000800 0.445 +/- 0.200			
		, , ,	1 0 ()	, p===				1		1	10.222 / 0.201 0	101110 7 01220 0				
														DETECTION MON. #1	EVALUATION SAMPLE	VERIFICATION SAMPLE
Other Parameters	None	N. A. A. a. I'. a. I. I.	Not Applicable	Units						TABLISH BACKGROU				#1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	mg/L										#1	SAMPLE 	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L										#1 	SAMPLE 	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L								-	 52.6	#1	SAMPLE 	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L										#1	 	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L									52.6 <5.00	#1 	 	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L	 								52.6 <5.00 25.3	#1 		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L									52.6 <5.00 25.3	#1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L						 			52.6 <5.00 25.3 	#1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 					 			52.6 <5.00 25.3 	#1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 52.6 <5.00 25.3 	#1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 					 			 52.6 <5.00 25.3 <0.220	#1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 52.6 <5.00 25.3 	#1		SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 52.6 <5.00 25.3 <0.220	#1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									52.6 <5.00 25.3 <0.220	#1		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 52.6 <5.00 25.3 <0.220	#1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 52.6 <5.00 25.3 <0.220 22 523	#1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L										#1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L										#1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 								 52.6 <5.00 25.3 < <0.220 22 523 22.11	#1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 				SAMPLES TO ES 18.78 10.88				 52.6 <5.00 25.3 <0.220 22 523 22 523 22 523	#1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 				SAMPLES TO ES 18.78 10.88 2854					#1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 				SAMPLES TO ES 18.78 10.88				 52.6 <5.00 25.3 <0.220 22 523 22 523 22 523	#1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 				SAMPLES TO ES 18.78 10.88 2854 0.2			 	52.6 <5.00 25.3 <0.220 22 523 22 523 10.54 2716 0.03	#1	SAMPLE	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		24.14 10.45 2884 0.15 	 	INITIAL EIGHT	SAMPLES TO ES 18.78 10.88 2854 0.2 -225.5				52.6 <5.00 25.3 < < < < <	#1	SAMPLE	SAMPLE

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

 R: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



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	MCL or	Established Background	Established GWPS	Sample ID:	MW-18	MW	<i>I-</i> 18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	3-Oct-18	14-Ja	an-19	25-Apr-19	1-Oct-19	17-Jun-20	12-Oct-20	31-Mar-21	14-Oct-21
Detection Monitoring Paramet	ters			Units	ASSESSMENT MON. #1	ASSESSME (RESA UNFILTERED	NT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Boron	None	1.896	Not Applicable	mg/L	5.77	6.89	7.17	6.05	5.29	5.49	5.43	4.32	4.61
Calcium	None	670.30	Not Applicable	mg/L	25.1	31.8	30.8	33.1	25.6	21.6	20	19.3	19.3
Chloride	250	18.51	Not Applicable	mg/L	5.5	5.59	5.14	4.79	5.07	4.06	4.22	4.2	4.39
Fluoride	4	0.6359	Not Applicable	mg/L	1.37	1.32	1.44	1.25	1.47	1.28	1.66	1.71	1.90
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	9.8	10.4		10.2	10.3	9.35	10.2	10.5	9.95
Sulfate Total Dissolved Solids	250 500	1,820 2,006	Not Applicable Not Applicable	mg/L	1090 1760	1110 1630	1120 1660	933 1680	1020 1550	888	794	904 1260	896 1320
Total Dissolved Solids	300	2,000	Not Applicable	mg/L	1700	ASSESSME		1000	1550	1340	1270	1200	1320
					ASSESSMENT		MPLE)	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Assessment Monitoring Paran	notore			Units	MON. #1	UNFILTERED	FILTERED	MON. #2	MON. #3	MON. #4	MON. #5	MON. #6	MON. #7
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.0008	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Arsenic	0.000	Not Applicable	0.000 (MCL)	mg/L	0.00319	0.0032	0.00325	0.00308	0.00264	0.00272	0.00276	0.00238	0.00299
Barium	2	Not Applicable	2 (MCL)	mg/L	0.00374	0.00393 J	0.00407	0.00401	0.00327 J	0.00294 J	0.00288 J	0.00305 J	0.00283 J
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.0001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Cadmium	0.005	Not Applicable	0.005 (MCL)	mg/L	<0.0001	0.000374 J	0.000431 J	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	0.000298 J
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	0.000512 J	<0.00040	<0.00040	0.000477 J	<0.000400	<0.000400	<0.000400	<0.000400	0.000968 J
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	<0.0001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Fluoride Lead	0.015	Not Applicable Not Applicable	4 (MCL) 0.015 (MCL)	mg/L	1.37 <0.0001	1.32 <0.000600	1.44 <0.000600	1.25 <0.000600	1.47 <0.000600	1.28 <0.000600	1.66 <0.000600	1.71 <0.000600	1.90 <0.000600
Lithium	None	Not Applicable	0.235 (UTL)	mg/L mg/L	0.0105 J	0.00290 J	0.00258 J	0.00173 J	0.00372 J	0.00226 J	0.00276 J	0.00339 J	0.00301 J
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.000100	<0.000300	<0.000300	<0.000300	<0.000720	<0.000300	<0.000300	0.0000500 J	0.000247
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	0.33	0.333	0.332	0.342	0.257	0.194	0.18	0.195	0.209
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	0.0019 J	0.00506	0.00501	0.00577	0.00166 J	0.0037	0.00347	0.00234	0.00137 J
Thallium	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.0008	0.000323 J	0.000563 J	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	pCi/L	0.387 +/- 0.253 U	<0.77		<0.77	<0.71	<0.74	<0.71	<0.88	1.05
					ASSESSMENT MON. #1	ASSESSME (RESA	MPLE)	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Other Parameters				Units								IVIOIN. #O	IVION.#1
Chemical Oxygen Demand (COD)						UNFILTERED	FILTERED		44.0.1				
	None	Not Applicable	Not Applicable	mg/L	8.9 J	<5		<5.00	11.0 J		5.00 J	<5.00	9.00 J
Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L		<5 		<5.00		71	5.00 J 69.9	<5.00 65.5	9.00 J 73.8
Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L		<5 42.2		<5.00 		71 60.6	5.00 J 69.9 64.3	<5.00 65.5 46.8	9.00 J 73.8 55.8
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L		<5 42.2 <5	 	<5.00 		71 60.6 <5	5.00 J 69.9 64.3 <5	<5.00 65.5 46.8 <5	9.00 J 73.8 55.8 <5.00
Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L		<5 42.2		<5.00 		71 60.6	5.00 J 69.9 64.3	<5.00 65.5 46.8	9.00 J 73.8 55.8
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L	 	<5 42.2 <5 32.9	 	<5.00 	 	71 60.6 <5	5.00 J 69.9 64.3 <5 5.63	<5.00 65.5 46.8 <5 18.7	9.00 J 73.8 55.8 <5.00 17.9
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9	 	<5.00 		71 60.6 <5 10.4 <0.0120	5.00 J 69.9 64.3 <5 5.63 <0.0120	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120	9.00 J 73.8 55.8 <5.00 17.9 <0.0120
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 	 	<5.00		71 60.6 <5 10.4 <0.0120 <0.0120	5.00 J 69.9 64.3 <5 5.63 <0.0120	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0120 <0.0200 H
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferroic	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9		<5.00	 	71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J)	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0120 <0.0200 H <0.0200 O.0200 H
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9		<5.00		71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J)	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0120 <0.0200 H <0.0200 <0.0200 <0.0200
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244	 0.175 J	<5.00		71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J)	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.020 0.27	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 0.02	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0200 <0.0200 H <0.0200 <0.0200 0.0252 J
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244	 0.175 J	<5.00		71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020 0.27 0.166	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 0.02 0.02 0.0	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0120 <0.0200 <0.0200 H <0.0200 0.152 J 0.211
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244 0.075 J	 0.175 J	<5.00		71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18 <0.0600	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020 0.27 0.166 <0.0300	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.05 <0.02 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0	9.00 J 73.8 55.8 <55.00 17.9 <0.0120 <0.0200 <0.0200 H <0.0200 <0.0200 <0.0200 0.152 J 0.211 0.0606 J
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.053 J	<5 42.2 <5 32.9 0.244 0.075 J 22.3	 0.175 J	<5.00	 <0.0300	71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020 0.27 0.166	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 0.02 0.02 0.0	9.00 J 73.8 55.8 <55.00 17.9 <0.0120 <0.0120 <0.0200 H <0.0200 <0.0200 0.152 J 0.0606 J 15.0
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244 0.075 J	 0.175 J	<5.00	 <0.0300	71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18 <0.0600 15.9 376	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020 0.27 0.166 <0.0300 14.6	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.05 <0.02 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.010 <0.01	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0120 <0.0200 <0.0200 H <0.0200 0.152 J 0.211 0.0606 J 15.0 329 2040
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244 0.075 J 22.3 603	 0.175 J <0.03 21.9 510	<5.00 <0.150	 <0.0300	71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18 <0.0600 15.9 376	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.020 0.27 0.166 <0.0300 14.6 348	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <1.02 <0.02 <0.03 13.6 324	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0120 <0.0200 H 0.0200 H 0.0200 0.152 J 0.211 0.0606 J 15.0 329
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 0.053 J	<5 42.2 <5 32.9	 0.175 J <0.03 21.9 510	<5.00 <0.150	 <0.0300	71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18 <0.0600 15.9 376	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020 0.27 0.166 <0.0300 14.6 348	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 50.02 0.426 0.215 <0.0300 13.6 324 2090	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0200 <0.0200 H <0.0200 <0.0200 0.152 J 0.211 0.0606 J 15.0 329 2040 <1.00
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244 0.075 J 22.3 603 2520 ASSESSME (RESA UNFILTERED	0.175 J <0.03 21.9 510 NT MON. #1 MPLE) FILTERED	<5.00		71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18 <0.0600 15.9 376 <1 ASSESSMENT MON. #4	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020 0.27 0.166 <0.0300 14.6 348 2200 <1 ASSESSMENT MON. #5	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 50.02 0.426 0.215 <0.0300 13.6 324 2090 <1 ASSESSMENT MON. #6	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0200 <0.0200 H <0.0200 0.152 J 0.211 0.0606 J 15.0 329 2040 <1.00 ASSESSMENT MON. #7
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244 0.075 J 22.3 603 2520 ASSESSME (RESA UNFILTERED	0.175 J <0.03 21.9 510 NT MON. #1 MPLE) FILTERED	<5.00		71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18 <0.0600 15.9 376 <1 ASSESSMENT MON. #4	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020 0.27 0.166 <0.0300 14.6 348 2200 <1 ASSESSMENT MON. #5	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <1.02 <0.03 0.215 <0.0300 13.6 324 2090 <1 ASSESSMENT MON. #6	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0200 <0.0200 H <0.0200 <0.0200 0.152 J 0.211 0.0606 J 15.0 329 2040 <1.00 ASSESSMENT MON. #7
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244 0.075 J 22.3 603 2520 ASSESSME (RESA UNFILTERED 14 10.47		<5.00		71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18 <0.0600 15.9 376 <1 ASSESSMENT MON. #4 22.45 10.65	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.020 0.27 0.166 <0.0300 14.6 348 2200 <1 ASSESSMENT MON. #5 23.5 10.4	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <1.02 <0.0300 13.6 324 2090 <1 ASSESSMENT MON. #6	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0120 <0.0200 H 0.0200 0.152 J 0.211 0.0606 J 15.0 329 2040 <1.00 ASSESSMENT MON. #7 20.7 10.46
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244 0.075 J 22.3 603 2520 ASSESSME (RESA UNFILTERED 14 10.47 2442		<5.00 <0.150		71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18 <0.0600 15.9 376 <1 ASSESSMENT MON. #4 22.45 10.65 1998	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020 0.27 0.166 <0.0300 14.6 348 2200 <1 ASSESSMENT MON. #5 10.4 1986	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 0.426 0.215 <0.0300 13.6 324 2090 <1 ASSESSMENT MON. #6 17 10.39 1999	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0120 <0.0200 <0.0200 H <0.0200 0.152 J 0.211 0.0606 J 15.0 329 2040 <1.00 ASSESSMENT MON. #7 20.7 10.46 2,041
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244 0.075 J 22.3 603 2520 ASSESSME (RESA UNFILTERED 14 10.47 2442 0.36		<5.00		71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18 <0.0600 15.9 376 <1 ASSESSMENT MON. #4 22.45 10.65 1998 0.55	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020 0.27 0.166 <0.0300 14.6 348 2200 <1 ASSESSMENT MON. #5 23.5 10.4 1986 0.24	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 <0.0300 13.6 324 2090 <1 ASSESSMENT MON. #6 17 10.39 1999 0.39	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0120 <0.0200 H <0.0200 0.152 J 0.211 0.0606 J 15.0 329 2040 <1.00 ASSESSMENT MON. #7 20.7 10.46 2,041 0.36
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244 0.075 J 22.3 603 2520 ASSESSME (RESA UNFILTERED 14 10.47 2442		<5.00 <0.150		71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18 <0.0600 15.9 376 <1 ASSESSMENT MON. #4 22.45 10.65 1998	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020 0.27 0.166 <0.0300 14.6 348 2200 <1 ASSESSMENT MON. #5 10.4 1986	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 0.426 0.215 <0.0300 13.6 324 2090 <1 ASSESSMENT MON. #6 17 10.39 1999	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0120 <0.0200 H <0.0200 0.152 J 0.211 0.0606 J 15.0 329 2040 <1.00 ASSESSMENT MON. #7 20.7 10.46 2,041
Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L		<5 42.2 <5 32.9 0.244 0.075 J 22.3 603 2520 ASSESSME (RESA UNFILTERED 14 10.47 2442 0.36 174.9		<5.00		71 60.6 <5 10.4 <0.0120 <0.0120 0.02(J) 0.141(J) 0.18 <0.0600 15.9 376 <1 ASSESSMENT MON. #4 22.45 10.65 1998 0.55 -140.3	5.00 J 69.9 64.3 <5 5.63 <0.0120 <0.0120 <0.020 0.27 0.166 <0.0300 14.6 348 2200 <1 ASSESSMENT MON. #5 23.5 10.4 1986 0.24 -80.5	<5.00 65.5 46.8 <5 18.7 <0.0120 <0.0120 <0.02 <0.02 <0.02 <0.02 <0.02 0.426 0.215 <0.0300 13.6 324 2090 <1 ASSESSMENT MON. #6 17 10.39 1999 0.39 -49.7	9.00 J 73.8 55.8 <5.00 17.9 <0.0120 <0.0120 <0.0200 H <0.0200 <0.0200 H <0.0200 0.152 J 0.211 0.0606 J 15.0 329 2040 <1.00 ASSESSMENT MON. #7 20.7 10.46 2,041 0.36 -9.7

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

 R: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL or	Established Background	Established GWPS	Sample ID:	MW-19S	MW-19S	DUP-1	MW-19S	MW-19S	MW-19S	MW-19S	MW-19S	MW-19S	MW-19S	DUP 1	MW-19S (Shallow)	MW-19S (Deep)
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	13-Dec-16	26-Jan-17	26-Jan-17	3-Feb-17	28-Mar-17	7-Apr-17	31-May-17	9-Jun-17	10-Aug-17	18-May-18	18-May-18	2-Aug-18	10-Aug-18
Detection Monitoring Paramet	ters			Units				NITIAL EIGHT SAM	PLES TO ESTABLIS	SH BACKGROUND				DETECTION MON. #1	EVALUATIO	ON SAMPLE	VERIFICATION SAMPLE
Boron	None	1.896	Not Applicable	mg/L	8.02	10.8	9.33	7.83	7.81	8.16	8.31	9.17	7.64	8.43	8.36	8.64	3.78
Calcium	None	670.30	Not Applicable	mg/L	71.7	47.2	43.8	51.8	51.9	72.5	51.3	71.5	41.3	45.7	44	35	24.8
Chloride	250	18.51	Not Applicable	mg/L	16.1	17.6	17.3	15.8	16.1	17.8	14.3	15.2	15.7	14.5	14.6	15.1	14.9
Fluoride	4	0.6359	Not Applicable	mg/L	1.44 J*	1.51	1.44	1.3	1.32	1.1	1.23	1.23	1.32	1.3	1.3	1.34	1.3
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	10.4	11	10.9	10.7	10.8	10.7	10.9	10.8	10.8	10.5	10.4	9.7	10.5
Sulfate	250	1,708	Not Applicable	mg/L	1620	1620	1600	1530	1550	1560	1450	1510	1650	1630	1610	1520	1480
Total Dissolved Solids	500	2,505	Not Applicable	mg/L	2420	2420	2530	2460	2460	2340	2420	2410	2440	2560	2480	2390	2440
Accessed Manifesian Deser				Huita				NITIAL FIGUR CAM	DI EC TO ECTABLIS	SIL BACKOBOLIND				DETECTION MON. #1	EVALUATIO	ON SAMPLE	VERIFICATION SAMPLE
Assessment Monitoring Paran		Not Applicable	0.006 (MCL)	Units	<0.00400	<0.000800	<0.000800	<0.000800	<0.000800	<0.00400	<0.000800	<0.00400	<0.000800				
Antimony Arsenic	0.006	Not Applicable	0.006 (MCL) 0.01 (MCL)	mg/L mg/L	0.00400 0.00920 J	0.0073	0.00683	0.00728 J	0.0073	0.00837 J	0.00702	0.00400 0.00681 J	0.00756				
Barium	2	Not Applicable	2 (MCL)	mg/L	0.0538	0.0192	0.0195	0.007203	0.0073	0.0037 3	0.0186	0.0233	0.0211				
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.000500	<0.000100	<0.00100	<0.00100	<0.000100	<0.000500	<0.000100	<0.000500	<0.000100				
Cadmium	0.005	Not Applicable	0.005 (MCL)	mg/L	<0.000500	<0.000100	<0.000100	<0.000100	0.000196 J	<0.000500	<0.000100	<0.000500	<0.000100				
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	<0.00250	<0.000500	<0.000500	U (0.00108)	<0.000500	<0.00250	<0.000500	< 0.00250	<0.000500				
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	0.000568 J	<0.000100	<0.000100	0.000237 J	0.000103 J	<0.000500	<0.000100	0.000872 J	<0.000100				
Fluoride	4	Not Applicable	4 (MCL)	mg/L	1.44 J*	1.51	1.44	1.3	1.32	1.1	1.23	1.23	1.32	1.3	1.3	1.34	1.3
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	0.000621 J	<0.000100	<0.000100	0.000589 J	<0.000100	<0.000500	<0.000100	<0.000500	0.000114 J				
Lithium	None	Not Applicable	0.235 (UTL)	mg/L	<0.0150	<0.00300	<0.00300	<0.00300	<0.00300	<0.0150	<0.00300	<0.0150	<0.00300			<0.00300	<0.00300
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.000150	<0.000150	<0.000150	<0.000150	0.000100 UJ	<0.000150	<0.000150	<0.000150	<0.000150			0.004	0.440
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	0.466 0.00616 J	0.484 0.0107	0.483 0.0105	0.435 0.00888 J	0.481 0.0116	0.586 0.0131	0.495 0.00879	0.607 0.0152	0.469 0.00349			0.384	0.112
	0.05	Not Applicable						U.00000 J	0.0110	0.0131	0.00079	0.0132	0.00348				II
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L				<0.000800	<0.000800	<0.00400	<0.000800	<0.00400	<0.000800				
	0.05 0.002 5	Not Applicable Not Applicable Not Applicable	0.05 (MCL) 0.002 (MCL) 5 (MCL)	mg/L pCi/L	<0.00400	<0.000800 -0.0377 +/- 0.325 U	<0.000800	<0.000800 0.483 +/- 0.372 U	<0.000800 0.287 +/- 0.277 U	<0.00400 0.121 +/- 0.235 U	<0.000800 0.136 +/- 0.226 U	<0.00400 0.202 +/- 0.190 U	<0.000800 0.296 +/- 0.222 U				
Selenium Thallium Ra-226 + Ra-228 (combined)	0.002	Not Applicable	0.002 (MCL)	mg/L pCi/L	<0.00400	<0.000800	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U	0.287 +/- 0.277 U	0.121 +/- 0.235 U	0.136 +/- 0.226 U						
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters	0.002	Not Applicable Not Applicable	0.002 (MCL) 5 (MCL)	mg/L pCi/L <i>Units</i>	<0.00400	<0.000800	<0.000800 0.0518 +/- 0.264 U		0.287 +/- 0.277 U	0.121 +/- 0.235 U	0.136 +/- 0.226 U			DETECTION			VERIFICATION
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD)	0.002 5	Not Applicable Not Applicable Not Applicable	0.002 (MCL) 5 (MCL)	mg/L pCi/L <i>Units</i> mg/L	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U	0.287 +/- 0.277 U	0.121 +/- 0.235 U	0.136 +/- 0.226 U	0.202 +/- 0.190 U	0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	ON SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters	0.002	Not Applicable Not Applicable	0.002 (MCL) 5 (MCL) Not Applicable Not Applicable	mg/L pCi/L <i>Units</i> mg/L mg/L	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U	0.287 +/- 0.277 U	0.121 +/- 0.235 U SH BACKGROUND	0.136 +/- 0.226 U	0.202 +/- 0.190 U	0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	ON SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	0.002 5 None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	0.002 (MCL) 5 (MCL)	mg/L pCi/L <i>Units</i> mg/L	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U NITIAL EIGHT SAM	0.287 +/- 0.277 U PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND	0.136 +/- 0.226 U	0.202 +/- 0.190 U	0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	0.002 5 None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	0.002 (MCL) 5 (MCL) Not Applicable Not Applicable Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	NITIAL EIGHT SAM	0.287 +/- 0.277 U	0.121 +/- 0.235 U SH BACKGROUND	0.136 +/- 0.226 U	0.202 +/- 0.190 U	 85.8	DETECTION MON. #1	EVALUATIO	ON SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None None	Not Applicable	0.002 (MCL) 5 (MCL) Not Applicable Not Applicable Not Applicable Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U NITIAL EIGHT SAM	PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND	0.136 +/- 0.226 U	0.202 +/- 0.190 U	0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U NITIAL EIGHT SAM	PLES TO ESTABLIS	8H BACKGROUND	0.136 +/- 0.226 U	 	0.296 +/- 0.222 U 85.8 <5.00 46.2	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U NITIAL EIGHT SAM	PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND	0.136 +/- 0.226 U	 	0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	NITIAL EIGHT SAM	PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND	0.136 +/- 0.226 U	0.202 +/- 0.190 U	0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	NITIAL EIGHT SAM	PLES TO ESTABLIS	SH BACKGROUND	 	 	0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	NITIAL EIGHT SAM	PLES TO ESTABLIS	SH BACKGROUND			0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U NITIAL EIGHT SAM	0.287 +/- 0.277 U PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND			0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U NITIAL EIGHT SAM	PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND			0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U NITIAL EIGHT SAM	PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND			0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U	PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND			0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Biscarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U NITIAL EIGHT SAM	PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND			0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U NITIAL EIGHT SAM	0.287 +/- 0.277 U	0.121 +/- 0.235 U SH BACKGROUND			0.296 +/- 0.222 U 85.8 <5.00 46.2 < < < < <	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U	0.287 +/- 0.277 U	0.121 +/- 0.235 U	0.136 +/- 0.226 U		0.296 +/- 0.222 U 85.8 <5.00 46.2 < < < < <	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Hydroxide Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	NITIAL EIGHT SAM	PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND			0.296 +/- 0.222 U	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Hydroxide Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	0.483 +/- 0.372 U NITIAL EIGHT SAM	PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND		0.202 +/- 0.190 U	0.296 +/- 0.222 U 85.8 < 5.00 46.2 < 0.220 35.9 697 24.37	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739 17.71 11.14	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	NITIAL EIGHT SAM	0.287 +/- 0.277 U PLES TO ESTABLIS	SH BACKGROUND	0.136 +/- 0.226 U	0.202 +/- 0.190 U	 85.8 <5.00 46.2 < <0.220 35.9 697 	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739 17.71 11.14 3576	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	NITIAL EIGHT SAM	PLES TO ESTABLIS	SH BACKGROUND		0.202 +/- 0.190 U		DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	O.002 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	NITIAL EIGHT SAM	PLES TO ESTABLIS	SH BACKGROUND	0.136 +/- 0.226 U	0.202 +/- 0.190 U	0.296 +/- 0.222 U 85.8 < 5.00 46.2 < 0.220 35.9 697 10.72 3552 0.02	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Hydroxide Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None None None	Not Applicable	0.002 (MCL) 5 (MCL) 5 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739 17.71 11.14 3576	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	NITIAL EIGHT SAM	PLES TO ESTABLIS	SH BACKGROUND	0.136 +/- 0.226 U	0.202 +/- 0.190 U	0.296 +/- 0.222 U 85.8 <5.00 46.2 < < <0.220 35.9 697 35.9 697 24.37 10.72 3552 0.02 -215.4	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	O.002 (MCL) 5 (MCL) 5 (MCL) Not Applicable	mg/L pCi/L Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	<0.00400 1.47 +/- 0.739	<0.000800 -0.0377 +/- 0.325 U	<0.000800 0.0518 +/- 0.264 U	NITIAL EIGHT SAM	PLES TO ESTABLIS	0.121 +/- 0.235 U SH BACKGROUND	0.136 +/- 0.226 U	0.202 +/- 0.190 U	0.296 +/- 0.222 U 85.8 < 5.00 46.2 < 0.220 35.9 697 10.72 3552 0.02	DETECTION MON. #1	EVALUATIO	DN SAMPLE	VERIFICATION SAMPLE

Total Depth from TOC

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis. 13. --- : no analysis performed.

- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample. 15. TOC: Top of Casing.
 16. ft: feet.

- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL or	Established Background	Established GWPS	Sample ID:	MW-19S	MW	-19S	MW-19S	MW-19S	MW-19S	DUP 2	MW-19S	MW-19S	DUP 3	MW-19S
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	3-Oct-18	15-Ja	an-19	25-Apr-19	1-Oct-19	17-J	lun-20	12-Oct-20	31-M	ar-21	15-Oct-21
Detection Monitoring Parame	eters			Units	ASSESSMENT MON. #1	ASSESSME (RESA UNFILTERED		ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSME	ENT MON. #4	ASSESSMENT MON. #5	ASSESSME	NT MON. #6	ASSESSMENT MON. #7
Boron	None	1.896	Not Applicable	mg/L	10.2	9.79	9.07	8.57	6.64	6.8	7.18	6.88	6.86	8.41	588
Calcium	None	670.30	Not Applicable	mg/L	35.3	50	49.6	52.4	40.4	43.6	42.1	40.7	42.3	35.3	41.6
Chloride	250	18.51	Not Applicable	mg/L	14.8	14.2	14.1	13.7	14.4	13.8	14	14.1	13.7	14	13.6
Fluoride	4	0.6359	Not Applicable	mg/L	1.24	1.27	1.59	1.13	1.37	1.15	1.04	1.38	1.46	1.54	1.57
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	9.9	10.4		10.5	10.6	10.2	9.88	10.9	10.8	10.6	10.8
Sulfate	250	1,708	Not Applicable	mg/L	1950	1640	1580	1520	1580	1490	1590	1640	1560	1560	1570
Total Dissolved Solids	500	2,505	Not Applicable	mg/L	2490	2500	2470	2440	2460	2300	2290	2340	2360	2310	2290
A Manifesium Barret				l la te	ASSESSMENT MON. #1	ASSESSME (RESA UNFILTERED		ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSME	ENT MON. #4	ASSESSMENT MON. #5	AS	SESSMENT MON	N. #6
Assessment Monitoring Para		Not Applicable	0.006 (MCL)	Units mg/l	<0.0008	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Antimony Arsenic	0.006	Not Applicable	0.006 (MCL) 0.01 (MCL)	mg/L mg/L	<0.008	0.00634	0.00643	0.00673	0.00624	0.000400	0.00577	0.00588	0.00554	0.00452	0.00689
Barium	2	Not Applicable	2 (MCL)	mg/L	0.0106 J	0.00034	0.0201	0.00073	0.00624	0.0001	0.00377	0.00388	0.00334	0.0152	0.0069
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.002	<0.00100	<0.000200	<0.000200	<0.000200	<0.00221	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Cadmium	0.005	Not Applicable	0.005 (MCL)	mg/L	0.000133 J	0.000386 J	0.000429 J	0.000219 J	0.000222 J	0.000387 J	0.000328 J	<0.000200	0.000238 J	<0.000200	0.000502 J
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	<0.01	<0.000400	<0.000420	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000200	0.000930 J
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	0.000102 J	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Fluoride	4	Not Applicable	4 (MCL)	mg/L	1.24	1.27	1.59	1.13	1.37	1.15	1.04	1.38	1.46	1.54	1.57
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	0.000116 J	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600
Lithium	None	Not Applicable	0.235 (UTL)	mg/L	<0.06	0.00148 J	0.00128 J	0.00192 J	0.00169 J	0.00134 J	0.00114 J	0.00102 J	0.00121 J	0.00144 J	0.00150 J
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.000150	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	0.0000450 J	0.0000460 J	0.000113 J
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	0.439	0.472	0.463	0.462	0.377	0.402	0.394	0.367	0.398	0.351	0.407
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	0.00889	0.011	0.00631	0.0141	0.0124	0.00655	0.0064	0.0113	0.00857	0.00743	0.0113
Thallium	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.0008	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	pCi/L	0.933 +/- 0.391	<0.98		<0.79	<0.74	<0.73	<0.72	<0.73	<0.87	<0.82	<0.84
					ASSESSMENT	ASSESSME	NT MON. #1								
Other Parameters				Units	MON. #1		MPLE) FILTERED	ASSESSMENT MON. #2	ASSESSMENT MON. #3	ASSESSME	ENT MON. #4	ASSESSMENT MON. #5	AS	SESSMENT MON	N. #6
Other Parameters Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	Units mg/l	MON. #1	UNFILTERED	MPLE) FILTERED	MON. #2	MON. #3		ENT MON. #4	MON. #5			
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	mg/L	MON. #1		FILTERED	MON. #2	MON. #3			MON. #5	16	14.0 J	21.0
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L	MON. #1	UNFILTERED 25	FILTERED 	MON. #2	MON. #3	 128	130	MON. #5 19 132	16 135	14.0 J 133	21.0 150
Chemical Oxygen Demand (COD)		Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L	MON. #1	UNFILTERED 25	FILTERED	MON. #2	MON. #3			MON. #5	16	14.0 J	21.0 150 77.3
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L	MON. #1	25 59.8 <5	FILTERED	21 	23 	128 92.6 <5	130 98.7 <5	19 132 89.2 <5	16 135 63.8 <5	14.0 J 133 69 <5	21.0 150 77.3 <5.00
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L	MON. #1 26.2	25 59.8	FILTERED	MON. #2	23 	128 92.6	130 98.7	MON. #5 19 132 89.2	16 135 63.8	14.0 J 133 69	21.0 150 77.3
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2	25 59.8 <5 81.2		21	23 	128 92.6 <5 35.1	130 98.7 <5 31.4	19 132 89.2 <5 42.6	16 135 63.8 <5 71.6	14.0 J 133 69 <5 64.4	21.0 150 77.3 <5.00 73.0
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L	26.2	25 59.8 <5 81.2		MON. #2 21	23	128 92.6 <5 35.1 0.0153(J)	130 98.7 <5 31.4 <0.0120	19 132 89.2 <5 42.6 <0.0120	16 135 63.8 <5 71.6 <0.012	14.0 J 133 69 <5 64.4 <0.012	21.0 150 77.3 <5.00 73.0 0.0509 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2	25 59.8 <5 81.2	FILTERED	MON. #2	23	128 92.6 <5 35.1 0.0153(J) <0.0120	130 98.7 <5 31.4 <0.0120	19 132 89.2 <5 42.6 <0.0120 <0.0120	16 135 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2	25 59.8 <5 81.2	FILTERED	MON. #2	23	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J)	130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J)	19 132 89.2 <5 42.6 <0.0120 <0.0310 J	16 135 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2	25 59.8 <5 81.2	FILTERED	MON. #2	MON. #3 23	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 	 130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J)	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0310 J	16 135 63.8 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.02	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H <0.0200 U
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2	25 59.8 <5 81.2 0.121 J	FILTERED	MON. #2	23	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J)	 130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J)	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0310 J 0.0346 J	16 135 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.02 0.0773 J	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 0.02 0.02	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H <0.0200 0.0210 J 0.0210 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2	25 59.8 <5 81.2 0.121 J	FILTERED	MON. #2 21	MON. #3 23	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373	 130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0120 0.0310 J 0.0346 J 0.37	16 135 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 0.0773 J 0.457	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 0.02 0.0681 J 0.398	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H <0.0200 U 0.0210 J 0.0415 J 0.0415 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2 <0.049	25 59.8 <5 81.2 0.121 J <0.03	FILTERED 0.0852 J 0.117	MON. #2 21	MON. #3 23 < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < < <> < < <> < < <> < < <> < < <> < < < <> < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <-	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600	 130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0310 J 0.0346 J 0.37 <0.150	16 135 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.05 0.073 J 0.457 <0.0600	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.03 <0.081 J 0.398 <0.0600	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J <0.0200 H <0.0200 H <0.0200 0.0215 J 0.0415 J 0.440 <0.0600
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2	25 59.8 <5 81.2 0.121 J <0.03 38.2	FILTERED 0.0852 J 0.117 37.7	MON. #2 21	MON. #3 23 < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <> < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < <> < <> < <> < <> < <> < < <> < < <> < < <> < < <> < < < < < < <> < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <-	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2	 130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0310 J 0.0346 J 0.37 <0.150 33.7	16 135 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.03 0.457 <0.0600 33.9	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.09 0.0881 J 0.0600 29	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0200 H <0.0200 H <0.0200 0.0415 J 0.0445 J 0.0445 J 0.0445 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2 <0.049	25 59.8 <5 81.2 0.121 J <0.03 38.2 801	FILTERED 0.0852 J 0.117 37.7 774	MON. #2 21 <0.150	MON. #3 23 < <	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2 644	 130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1 598	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0310 J 0.0346 J 0.37 <0.150 33.7 610	16 135 63.8 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 0.0773 J 0.457 <0.0600 33.9 639	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.02 0.0881 J 0.398 <0.0600 29 545	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H <0.0200 0.0210 J 0.0415 J 0.440 <0.0600 34.6 462
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2 < <	UNFILTERED 25 59.8 <5 81.2 0.121 J <0.03 38.2 801 3530	FILTERED 0.0852 J 0.117 37.7	MON. #2 21	MON. #3 23 < <	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2 644	130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1 598	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0120 0.0310 J 0.0346 J 0.37 <0.150 33.7 610 3860	16 135 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 0.0773 J 0.457 <0.0600 33.9 639 3500	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 0.0681 J 0.398 <0.0600 29 545 3540	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H <0.0200 U 0.0210 J 0.0415 J 0.440 <0.0600 34.6 462 3370
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2 <0.049	UNFILTERED 25 59.8 <5 81.2 0.121 J <0.03 38.2 801 3530	FILTERED 0.0852 J 0.117 37.7 774	MON. #2 21 <0.150	MON. #3 23 < <	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2 644	 130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1 598	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0310 J 0.0346 J 0.37 <0.150 33.7 610	16 135 63.8 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 0.0773 J 0.457 <0.0600 33.9 639	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.02 0.0881 J 0.398 <0.0600 29 545	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H <0.0200 0.0210 J 0.0415 J 0.440 <0.0600 34.6 462
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2 < <	UNFILTERED 25 59.8 <5 81.2 0.121 J <0.03 38.2 801 3530 ASSESSME	FILTERED 0.0852 J 0.117 37.7 774	MON. #2 21 <0.150	MON. #3 23 < <	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2 644 1.52	130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1 598	MON. #5 19 132 89.2 <5 42.6 <0.0120 0.0310 J 0.0346 J 0.37 <0.150 33.7 610 3860	16 135 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 0.0773 J 0.457 <0.0600 33.9 639 3500 <1	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 0.0681 J 0.398 <0.0600 29 545 3540	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H <0.0200 0.0210 J 0.0415 J 0.440 <0.0600 34.6 462 3370 <1.00
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2 < <	UNFILTERED 25 59.8 <55 81.2 0.121 J <0.03 38.2 801 3530 ASSESSME (RESA UNFILTERED	FILTERED 0.0852 J 0.117 37.7 774 NT MON. #1 MPLE) FILTERED	MON. #2 21 <0.150 ASSESSMENT MON. #2	MON. #3 23 < <	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2 644 1.52 ASSESSME	130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1 598 <1	19 132 89.2 <5 42.6 <0.0120 0.0310 J 0.0346 J 0.37 <0.150 33.7 610 3860 1.8 ASSESSMENT MON. #5	16 135 63.8 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.02 <0.03 0.457 <0.0600 33.9 639 3500 <1	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 0.0681 J 0.398 <0.0600 29 545 3540 <1	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J <0.0200 H <0.0200 0.02110 J 0.0415 J 0.440 <0.0600 34.6 462 3370 <1.00
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2 <0.049 2470 ASSESSMENT MON. #1 25.4	UNFILTERED 25 59.8 <5 81.2 0.121 J <0.03 38.2 801 3530 ASSESSME (RESA UNFILTERED	FILTERED 0.0852 J 0.117 37.7 774 NT MON. #1 MPLE) FILTERED	MON. #2 21 <0.150 ASSESSMENT MON. #2 17.92	MON. #3 23 < <	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2 644 1.52 ASSESSME	130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1 598 <1	MON. #5 19 132 89.2 <5 42.6 <0.0120 0.0310 J 0.0346 J 0.37 <0.150 33.7 610 3860 1.8 ASSESSMENT MON. #5	16 135 63.8 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.03 0.0773 J 0.457 <0.0600 33.9 639 3500 <1	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 0.0681 J 0.398 <0.0600 29 545 3540 <1	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J <0.0200 H <0.0200 H <0.0200 J 0.0415 J 0.0415 J 0.0415 J 0.0416 J 0.0
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2 <0.049 2470 ASSESSMENT MON. #1 25.4 10.63	UNFILTERED 25 59.8 <5 81.2 0.121 J <0.03 38.2 801 3530 ASSESSME (RESA UNFILTERED 13.4 11.01	FILTERED 0.0852 J 0.117 37.7 774 NT MON. #1 MPLE) FILTERED	MON. #2 21 <0.150	MON. #3 23 < <	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2 644 1.52 ASSESSME	130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1 598 <1	MON. #5 19 132 89.2 <5 42.6 <0.0120 0.0310 J 0.0346 J 0.37 <0.150 33.7 610 3860 1.8 ASSESSMENT MON. #5 23.8 10.92	16 135 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.05 0.457 <0.0600 33.9 639 3500 <1 AS 18.3 11.09	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.081 J 0.398 <0.0600 29 545 3540 <1	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0200 H <0.0200 U 0.0210 J 0.0415 J 0.0415 J 0.0445 J 0.0460 34.6 462 3370 <1.00
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2 <0.049 2470 ASSESSMENT MON. #1 25.4 10.63 3610	25 59.8 <5 81.2 0.121 J <0.03 38.2 801 3530 ASSESSME (RESA UNFILTERED 13.4 11.01 3438	FILTERED	MON. #2 21	MON. #3 23 < <	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2 644 1.52 ASSESSME	130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1 598 <1	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0310 J 0.0346 J 0.37 <0.150 33.7 610 3860 1.8 ASSESSMENT MON. #5 23.8 10.92 3433	16 135 63.8 <5 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.003 0.457 <0.0600 33.9 639 3500 <1 AS 18.3 11.09 3406	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 0.0881 J 0.398 <0.0600 29 545 3540 <1	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H <0.0200 J 0.0415 J 0.0415 J 0.0400 34.6 462 3370 <1.00
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature PH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	#1 26.2	UNFILTERED 25 59.8 <55 81.2 0.121 J <0.03 38.2 801 3530 ASSESSME (RESA UNFILTERED 13.4 11.01 3438 0.21	FILTERED	MON. #2 21 <0.150 17.92 11.26 3524 1.5	MON. #3 23 <0.0300 <0.0300 ASSESSMENT MON. #3 25.86 10.65 3552 0.5	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2 644 1.52 ASSESSME 22.99 10.97 3309 0.36	130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1 598 <1	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0120 0.0310 J 0.0346 J 0.37 <0.150 33.7 610 3860 1.8 ASSESSMENT MON. #5 23.8 10.92 3433 0.16	16 135 63.8 <55 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.060 33.9 639 3500 <1 AS 11.09 3406 0.27	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.02 <0.081 J 0.398 <0.0600 29 545 3540 <1	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H <0.0200 G 0.0210 J 0.0415 J 0.440 <0.0600 34.6 462 3370 <1.00 N. #6
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 26.2 <0.049 2470 ASSESSMENT MON. #1 25.4 10.63 3610 0.33 172.1	UNFILTERED 25 59.8 <5 81.2 0.121 J <0.03 38.2 801 3530 ASSESSME (RESA UNFILTERED 13.4 11.01 3438 0.21 -162	FILTERED 0.0852 J 0.117 37.7 774 NT MON. #1 MPLE) FILTERED	MON. #2 21	MON. #3 23 < < < < < < < < < < < <	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2 6444 1.52 ASSESSME 22.99 10.97 33009 0.36 -588.1	130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1 598 <1	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0120 0.0310 J 0.0346 J 0.37 <0.150 33.7 610 3860 1.8 ASSESSMENT MON. #5 23.8 10.92 3433 0.16 209.2	16 135 63.8 <55 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.060 33.9 639 3500 <1 18.3 11.09 3406 0.27 -191.7	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.081 J 0.398 <0.0600 29 545 3540 <1	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H <0.0200 0.0210 J 0.0415 J 0.440 <0.0600 34.6 462 3370 <1.00 N. #6
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	#1 26.2	UNFILTERED 25 59.8 <55 81.2 0.121 J <0.03 38.2 801 3530 ASSESSME (RESA UNFILTERED 13.4 11.01 3438 0.21	FILTERED	MON. #2 21 <0.150 17.92 11.26 3524 1.5	MON. #3 23 <0.0300 <0.0300 ASSESSMENT MON. #3 25.86 10.65 3552 0.5	128 92.6 <5 35.1 0.0153(J) <0.0120 0.043(J) 0.0553(J) 0.373 <0.0600 35.2 644 1.52 ASSESSME 22.99 10.97 3309 0.36	130 98.7 <5 31.4 <0.0120 <0.0120 0.330(J) 0.0510(J) 0.383 <0.0600 34.1 598 <1	MON. #5 19 132 89.2 <5 42.6 <0.0120 <0.0120 0.0310 J 0.0346 J 0.37 <0.150 33.7 610 3860 1.8 ASSESSMENT MON. #5 23.8 10.92 3433 0.16	16 135 63.8 <55 71.6 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.060 33.9 639 3500 <1 AS 11.09 3406 0.27	14.0 J 133 69 <5 64.4 <0.012 <0.012 <0.02 <0.02 <0.02 <0.02 <0.02 <0.081 J 0.398 <0.0600 29 545 3540 <1	21.0 150 77.3 <5.00 73.0 0.0509 J 0.0210 J 0.0450 J <0.0200 H <0.0200 G 0.0210 J 0.0415 J 0.440 <0.0600 34.6 462 3370 <1.00 N. #6

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample. 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL or	Established Background	Established GWPS	Sample ID:	MW-20	MW-20	MW-20	DUP 1	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20 (Deep)
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	31-May-16	23-Aug-16	29-Sep-16	29-Sep-16	2-Dec-16	31-Jan-17	5-Apr-17	7-Jun-17	9-Aug-17	21-May-18	1-Aug-18
Detection Monitoring Parameters				Units			IN	ITIAL FIGHT SAM	PLES TO ESTAB	LISH BACKGROU	ND			DETECTION MON. #1	VERIFICATION SAMPLE
Boron	None	1.896	Not Applicable	mg/L	0.704	1.11	1.06	0.945	1.02	1	0.58	0.784	0.643	0.813	1.2
Calcium	None	670.30	Not Applicable	mg/L	434	563	416	391	451	528	583	611 J*	382	355	552
Chloride	250	18.51	Not Applicable	mg/L	5.99 J*	5.79	4.85	4.8	4.44	5.4	6.77	6.00 J*	5.08	6.14	4.96
Fluoride	4	0.6359	Not Applicable	mg/L	0.322 J*	0.41	0.424	0.416	0.397	0.362	0.248	0.340 J*	0.349	0.323	0.309
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	6.94	7.6	7.4	7.3	7.3	7	6.8	6.7	6.7	6.8	6.9
Sulfate	250	1,363	Not Applicable	mg/L	1140	1110	1100	1110	1290	949	907	1020	1180	839	1060
Total Dissolved Solids	500	2,066	Not Applicable	mg/L	1710	1980	1860	1810	1980	1870	1750	1770	1760	1760	1980
Assessment Monitoring Parar	Units			IN	ITIAL EIGHT SAM	PLES TO ESTAB	LISH BACKGROU	ND			DETECTION MON. #1	VERIFICATION SAMPLE			
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.000500	<0.000800	<0.000800	<0.00800	<0.00800	<0.000800	<0.000800	<0.00400	<0.000800		
Arsenic	0.010	Not Applicable	0.01 (MCL)	mg/L	0.00222	0.00101 J	0.00198 J	0.00199 J	<0.00400	0.000732 J	0.00174 J	<0.00400	0.000598 J		
Barium	2	Not Applicable	2 (MCL)	mg/L	0.0136	0.0151	0.0116	0.0109	0.0100 J	0.0122	0.0108	0.0128	0.00216		
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.00100	<0.000100	<0.000100	<0.000100	<0.00100	<0.000100	<0.000100	<0.000500	<0.000100		
Cadmium	0.005	Not Applicable	0.005 (MCL)	mg/L	<0.000400	<0.000100	<0.000100	<0.000100	<0.00100	<0.000100	<0.000100	<0.00100	<0.000100		
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	<0.000500	<0.000500	<0.000500	<0.000500	<0.00500	<0.000500	<0.000500	<0.00500	<0.00250		
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	<0.000500	0.000327 J	0.000383 J	0.000366 J	<0.00100	0.000642 J	0.000215 J	<0.00100	<0.000500		0.309
Fluoride Lead	0.015	Not Applicable Not Applicable	4 (MCL) 0.015 (MCL)	mg/L	0.322 J* <0.000200	0.41 <0.000100	0.424 <0.000100	0.416 <0.000100	0.397 <0.00100	0.362 <0.000100	0.248 <0.000100	0.340 J* <0.000500	0.349 <0.000500	0.323	0.309
Lithium	None	Not Applicable	0.235 (UTL)	mg/L mg/L	0.123	0.117	0.124	0.114	0.126 J	0.12	0.0962	0.112 J	0.110 J		0.109
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000100		0.103
•	None	Not Applicable	0.1 (ACL)	mg/L	0.00120 J	0.00121 J	<0.00500	0.00126 J	<0.0100	<0.00100	<0.00100	<0.0100	<0.00500		<0.00100
Morridani			0.05 (MCL)	mg/L	<0.000600	<0.000300	<0.000300	<0.000300	<0.00300	0.000633 J	<0.000300	<0.00300	<0.00150		
Molybdenum Selenium	0.05	Not Applicable				-0.000000	-0.000000	0.00000	<0.00800	<0.000800	<0.000800	<0.00400	<0.00400		
,	0.05 0.002	Not Applicable	0.002 (MCL)	mg/L	<0.000500	<0.00800	<0.000800	<0.000800							
Selenium			0.002 (MCL) 5 (MCL)	mg/L pCi/L	<0.000500 1.04 +/- 0.357	1.61 +/- 0.395	1.10 +/- 0.359	<0.000800 1.66 +/- 0.377	1.46 +/- 0.421	0.863 +/- 0.381	1.29 +/- 0.322	0.969 +/- 0.294			
Selenium Thallium	0.002	Not Applicable	5 (MCL)				1.10 +/- 0.359	1.66 +/- 0.377	1.46 +/- 0.421		1.29 +/- 0.322				
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD)	0.002 5	Not Applicable Not Applicable Not Applicable	5 (MCL)	pČi/L Units mg/L			1.10 +/- 0.359	1.66 +/- 0.377	1.46 +/- 0.421	0.863 +/- 0.381	1.29 +/- 0.322			DETECTION	VERIFICATION
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	0.002 5 None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	5 (MCL) Not Applicable Not Applicable	pČi/L Units mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	1.10 +/- 0.359	1.66 +/- 0.377	1.46 +/- 0.421 PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322 ND	0.969 +/- 0.294	0.670 +/- 0.261	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	0.002 5 None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	5 (MCL) Not Applicable Not Applicable Not Applicable	pČi/L Units mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	1.10 +/- 0.359	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322 ND	0.969 +/- 0.294	 <5.00	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None None	Not Applicable	5 (MCL) Not Applicable Not Applicable Not Applicable Not Applicable	Drits mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	1.10 +/- 0.359	1.66 +/- 0.377	1.46 +/- 0.421 PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322 ND	0.969 +/- 0.294	 <5.00 259	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	0.002 5 None None None None	Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322 ND	0.969 +/- 0.294	 <5.00 259 <5.00	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	0.002 5 None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322 ND	 	 <5.00 259 <5.00	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322 ND	0.969 +/- 0.294	 <5.00 259 <5.00	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	0.002 5 None None None None None	Not Applicable	Not Applicable	DOI/L Units mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322 ND	 	 <5.00 259 <5.00	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	1.46 +/- 0.421 PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322	0.969 +/- 0.294	 <5.00 259 <5.00 	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	DOI/L Units mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	1.46 +/- 0.421 PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322 ND	0.969 +/- 0.294	 <5.00 259 <5.00 	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322 ND	 	 <5.00 259 <5.00 	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferricus Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 	1.61 +/- 0.395	IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322	 	 <5.00 259 <5.00 	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	1.46 +/- 0.421 PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322	0.969 +/- 0.294	 <5.00 259 <5.00 20.9	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322	0.969 +/- 0.294	 <5.00 259 <5.00 20.9 5.54	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	pČi/L Mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	1.46 +/- 0.421 PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322		 <5.00 259 <5.00 20.9 5.54 86.1	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322	0.969 +/- 0.294	 <5.00 259 <5.00 20.9 5.54	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	1.46 +/- 0.421 PLES TO ESTAB	0.863 +/- 0.381	1.29 +/- 0.322		 <5.00 259 <5.00 20.9 5.54 86.1	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN 0.359	1.66 +/- 0.377	1.46 +/- 0.421 PLES TO ESTAB	0.863 +/- 0.381 LISH BACKGROU	1.29 +/- 0.322	0.969 +/- 0.294	 <5.00 259 <5.00 20.9 5.54 86.1	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	1.46 +/- 0.421 PLES TO ESTAB	0.863 +/- 0.381 LISH BACKGROU	1.29 +/- 0.322 ND	0.969 +/- 0.294	0.670 +/- 0.261 < < < < < < <-	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381 LISH BACKGROU	1.29 +/- 0.322 ND	0.969 +/- 0.294		DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	pCi/L ### Units ### mg/L ### mg	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377 TIAL EIGHT SAM	1.46 +/- 0.421 PLES TO ESTAB	0.863 +/- 0.381 LISH BACKGROU	1.29 +/- 0.322 ND	0.969 +/- 0.294	0.670 +/- 0.261 < < < < < < <-	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381 LISH BACKGROU	1.29 +/- 0.322 ND	0.969 +/- 0.294	0.670 +/- 0.261 < < < < < < <-	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Biicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Iron, Ferric, Dissolved Iron, Ferric, Dissolved Solved Solved Solved Solved Solved Solved Frence Solved Solv	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.04 +/- 0.357	1.61 +/- 0.395	IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381 LISH BACKGROU	1.29 +/- 0.322 ND	0.969 +/- 0.294	0.670 +/- 0.261 < < < < < < <-	DETECTION MON. #1	VERIFICATION SAMPLE
Selenium Thallium Ra-226 + Ra-228 (combined) Other Parameters Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	PČi/L ### Wits #### Miller #### Miller ##### Miller ##################################	1.04 +/- 0.357	1.61 +/- 0.395	IN 0.359 IN	1.66 +/- 0.377	PLES TO ESTAB	0.863 +/- 0.381 LISH BACKGROU	1.29 +/- 0.322 ND	0.969 +/- 0.294		DETECTION MON. #1	VERIFICATION SAMPLE

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



		Fatabilia i	Fatablish : 1											
	MCL or	Established Background	Established GWPS	Sample ID:	MW-20	MW-20 10-Jan-19		MW-20	MW-20	Dup 1	MW-20	MW-20	MW-20	MW-20
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	4-Oct-18			23-Apr-19	30-Sep-19		17-Jun-20	12-Oct-20	31-Mar-21	15-Oct-21
				•	ASSESSMENT		NT MON. #1	ASSESSMENT		ENT MON. #3	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Detection Monitoring Parame	eters			Units	MON. #1	UNFILTERED	FILTERED	MON. #2			MON. #4	MON. #5	MON. #6	MON. #7
Boron	None	1.896	Not Applicable	mg/L	1.19	1.19	0.911	0.721	0.777	0.668	0.624	0.857	0.927	0.930
Calcium	None	670.30	Not Applicable	mg/L	448	398	386	327	368	331	320	312	309	325
Chloride	250	18.51	Not Applicable	mg/L	4.74	6.29	7.27	8.02	5.3	5.32	6.18	5.69	5.78	5.17
Fluoride	6.5 - 8.5	0.6359	Not Applicable	mg/L	0.326 7.4	0.298	0.304	0.294	0.34 6.67	0.311 6.76	0.22 6.55	0.336 6.73	0.279 6.91	0.264 7.94
pH (laboratory) Sulfate	250	6.485 - 8.018 1,363	Not Applicable Not Applicable	S.U. mg/L	1110	7.17 977	892	7.35 794	1060	1080	870	989	782	1030
Total Dissolved Solids	500	2,066	Not Applicable	mg/L	1900	1630	1530	1690	1890	1850	1560	1710	1490	1850
Total Bioserrou Genue	1 000		, riot rippiiousio	9/=			NT MON. #1		1000	1000				
					ASSESSMENT		MPLE)	ASSESSMENT	ASSESSME	NT MON. #3	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Assessment Monitoring Para	meters			Units	MON. #1	UNFILTERED	FILTERED	MON. #2			MON. #4	MON. #5	MON. #6	MON. #7
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.0008	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Arsenic	0.010	Not Applicable	0.01 (MCL)	mg/L	<0.004	<0.000400	<0.000400	0.00107 J	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Barium	2	Not Applicable	2 (MCL)	mg/L	0.014 J	0.0103	0.012	0.0131	0.0102	0.00931	0.0102	0.00927	0.00981	0.0124
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Cadmium	0.005	Not Applicable	0.005 (MCL)	mg/L	<0.0001	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	<0.005	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	0.000401 J	0.000592 J
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	0.00102 J	0.000414 J	0.000442 J	0.000449 J	<0.000200	<0.000200	<0.000200	0.000318 J	<0.000200	0.000234 J
Fluoride	4	Not Applicable	4 (MCL)	mg/L	0.326	0.298	0.304	0.294	0.34	0.311	0.22	0.336	0.279	0.264
Lead Lithium	0.015 None	Not Applicable	0.015 (MCL) 0.235 (UTL)	mg/L	<0.001 0.121 J	<0.000600 0.0969	<0.000600 0.0959	<0.000600 0.0827	<0.000600 0.101	0.00964 0.0944	<0.000600 0.0895	<0.000600 0.0891	<0.000600 0.0781	<0.000600 0.105
Mercury	0.002	Not Applicable Not Applicable	0.235 (OTL) 0.002 (MCL)	mg/L mg/L	<0.00015	<0.000300	<0.000300	<0.000300	<0.000300	<0.0000300	<0.000300	<0.000300	0.0000650 J	0.000224
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	<0.001	0.000616 J	0.000663 J	0.000835 J	<0.000600	<0.000600	0.000727 J	0.000677 J	0.00220 J	<0.000600
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	<0.0003	<0.0011	0.00142 J	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110
Thallium	0.002	Not Applicable	0.002 (MCL)		<0.0008	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	mg/L pCi/L	0.888 +/- 0.291	<0.72		0.91	0.82	<0.74	<0.72	1.33	0.85	0.91
			0 (02)	PO., E		0=		0.01	0.02		-0.72			
			(oz)	PONE	ASSESSMENT	ASSESSME	NT MON. #1	ASSESSMENT			ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Other Parameters				Units		ASSESSME (RESA UNFILTERED		ASSESSMENT MON. #2	ASSESSME	ENT MON. #3		ASSESSMENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	Units mg/L	ASSESSMENT MON. #1	ASSESSME (RESA UNFILTERED <5.00	NT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2	ASSESSME <5.00	ENT MON. #3	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable Not Applicable	Not Applicable Not Applicable	Units mg/L mg/L	ASSESSMENT MON. #1	ASSESSME (RESA UNFILTERED <5.00	NT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2	ASSESSME <5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	Units mg/L mg/L mg/L	ASSESSMENT MON. #1	ASSESSME (RESA UNFILTERED <5.00 <5	MPLE) FILTERED	ASSESSMENT MON. #2 <5.00	ASSESSME <5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	Units mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED <5.00 <5 359	FILTERED	ASSESSMENT MON. #2 <5.00	<5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5	## ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Units mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED <5.00	FILTERED	ASSESSMENT MON. #2 <5.00	<5.00 	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5	NT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2 <5.00	<5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED <5.00	FILTERED	ASSESSMENT MON. #2 <5.00	<5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5	NT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2	<5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5	NT MON. #1 IMPLE) FILTERED	ASSESSMENT MON. #2 <5.00	<5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1	ASSESSME (RESA UNFILTERED <5.00 <5 359 <5	NT MON. #1 IMPLE) FILTERED	ASSESSMENT MON. #2 <5.00	<5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrois	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5	NT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2 <5.00	<5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5	NT MON. #1 MPLE) FILTERED 26.3	ASSESSMENT MON. #2	<5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5 < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <	NT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2 <5.00	<5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5 < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <	NT MON. #1 IMPLE) FILTERED	ASSESSMENT MON. #2	ASSESSME <5.00	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1 <5 <0.049	ASSESSME (RESA UNFILTERED < 5.00 < 5		ASSESSMENT MON. #2 <5.00 < <	ASSESSME <5.00 0.105	Sent Mon. #3 <5.00 0.0616 J	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J < <	ASSESSMENT MON. #6 5.00 J <0.0300	ASSESSMENT MON. #7 10.0 J 0.0434 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5	INT MON. #1 IMPLE) FILTERED 26.3 < < < 26.3 <	ASSESSMENT MON. #2	ASSESSME <5.00	Sent Mon. #3 <5.00 0.0616 J	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <-	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1 <5 <0.049	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5 < < < < < <	NT MON. #1 IMPLE) FILTERED 26.3 <0.03 6.01 84.7	ASSESSMENT MON. #2 <5.00 < <	ASSESSME <5.00 0.105	Sent Mon. #3 <5.00 0.0616 J	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J < <	ASSESSMENT MON. #6 5.00 J <0.0300	ASSESSMENT MON. #7 10.0 J 0.0434 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5 < < < < < <	INT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2	ASSESSME <5.00	Sent Mon. #3 <5.00 0.0616 J	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <-	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	ASSESSMENT MON. #1 <5 < <0.049 2050 ASSESSMENT MON. #1	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5 < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <	INT MON. #1 MPLE) FILTERED 26.3 <0.03 6.01 84.7 ENT MON. #1	ASSESSMENT MON. #2 <5.00 < < <-	ASSESSME <5.00 0.105 ASSESSME	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J < < < 2230 ASSESSMENT	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J 0.0434 J 2140 ASSESSMENT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5.359 < 5 < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <	INT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2 <5.00 < < < < < < < <	ASSESSME <5.00 0.105 ASSESSME 23.46	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J < < < 2230 ASSESSMENT	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	ASSESSMENT MON. #1 <5 <0.049 <0.049 ASSESSMENT MON. #1 24.9 6.71	ASSESSME (RESA UNFILTERED < 5.00 <5.00 <5.359 <5.5 < < < < < < < <-	NT MON. #1 MPLE) FILTERED 26.3 <0.03 6.01 84.7 ENT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2 <5.00 < < <-	ASSESSME <5.00 0.105 ASSESSME 23.46 6.83	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5 < < < < < <	NT MON. #1 MPLE) FILTERED 26.3 20.03 6.01 84.7 ENT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2 <5.00 <0.0300 ASSESSMENT MON. #2 21.57 7 1937	ASSESSME <5.00 0.105 ASSESSME 23.46 6.83 2240	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J <0.0300 2230 ASSESSMENT MON. #5 21.3 6.81 1981	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5 359 < 5 < < < < < <	NT MON. #1 MPLE) FILTERED 26.3 <0.03 6.01 84.7 NT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2 <5.00	ASSESSME <5.00 0.105 ASSESSME 23.46 6.83 2240 0.56	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J < < < < < < <	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5.359 < 5 < < < < < < < <	NT MON. #1 MPLE) FILTERED 26.3 20.03 6.01 84.7 ENT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2 <5.00 < < < < < < < < < < < < < < < < < < < < < < < < < < ASSESSMENT MON. #2 21.57 7 1937 1.08 -4.3	ASSESSME <5.00 0.105 ASSESSME 23.46 6.83 2240 0.56 -15.7	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5.359 < 5 < < < < < < < <	NT MON. #1 MPLE) FILTERED 26.3 <-0.03 6.01 84.7 ENT MON. #1 MPLE) FILTERED 2.09	ASSESSMENT MON. #2 <5.00 < < < < < < <	ASSESSME <5.00 0.105 23.46 6.83 2240 0.56 -15.7 2.9	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	ASSESSMENT MON. #1 <5	ASSESSME (RESA UNFILTERED < 5.00 < 5.359 < 5 < < < < < < < <	NT MON. #1 MPLE) FILTERED 26.3 20.03 6.01 84.7 ENT MON. #1 MPLE) FILTERED	ASSESSMENT MON. #2 <5.00 < < < < < < < < < < < < < < < < < < < < < < < < < < ASSESSMENT MON. #2 21.57 7 1937 1.08 -4.3	ASSESSME <5.00 0.105 ASSESSME 23.46 6.83 2240 0.56 -15.7	<5.00	ASSESSMENT MON. #4	ASSESSMENT MON. #5 6.00 J	ASSESSMENT MON. #6 5.00 J	ASSESSMENT MON. #7 10.0 J

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.
- 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

 R: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



	MCL or	Established Background	Established GWPS	Sample ID:	MW-21	MW-21	DUP 1	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21 (Deep)
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	26-May-16	27-Jul-16	27-Jul-16	28-Sep-16	1-Dec-16	31-Jan-17	5-Apr-17	6-Jun-17	8-Aug-17	17-May-18	10-Aug-18
Detection Monitoring Parameters Units						INITIAL EIGHT SAMPLES TO ESTABLISH BACKGROUND									
Boron	None	1.896	Not Applicable	mg/L	2.9	2.76	2.86	2.59	3.98	4.41	3.43	3.36	3.07 J	2.95	2.99
Calcium	None	670.30	Not Applicable	mg/L	148	186	205	156	251	176	214	149	165	136	147
Chloride	250	18.51	Not Applicable	mg/L	22.9	22.2	21.8	23.1	22.3	21.5	20.5	21.4	17.8	22	21.9
Fluoride	4	0.6359	Not Applicable	mg/L	0.594	0.752	0.801	0.582	0.564	0.498	0.49	0.559	0.779	0.53	0.453
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	7.56	7.98	8.02	7.9	7.9	7.5	7.4	7.3	7.4	7.5	7.5
Sulfate Total Dissolved Solids	250 500	1,591 2,546	Not Applicable Not Applicable	mg/L	1370 2410	1350 2380	1420 2360	1500 2510	1500 2430	1360 2440	1470 2320	1400 2430	1250 2320	1480 2570	1410 2560
Total Dissolved Solids	300	2,340	Not Applicable	mg/L	2410	2360	2300	2510	2430	2440	2320	2430	2320		
Accessment Manitevina Dan				l lmita			181	ITIAL FIGUR CAN	IDI EC TO ECTAD	LICH BACKCBOIL	IND			MON. #1	VERIFICATION SAMPLE
Assessment Monitoring Par		Not Applicable	0.006 (MCL)	Units mg/l	<0.000500	<0.000500	<0.000500	<0.000800	PLES TO ESTAB <0.00400		<0.000800	<0.00800	<0.000800		
Antimony Arsenic	0.006 0.010	Not Applicable Not Applicable	0.006 (MCL) 0.01 (MCL)	mg/L mg/L	0.00259	0.00140 J	0.000500 0.00154 J	0.00145 J	<0.00400	<0.000800 0.000960 J	0.00119 J	<0.000800	0.00155 J		
Barium	2	Not Applicable	2 (MCL)	mg/L	0.0144	0.0131	0.0128	0.012	0.0202	0.0121	0.0114	0.0107	0.11		
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.00100	<0.00100	<0.00100	<0.000100	<0.000500	<0.000100	<0.000100	<0.000100	<0.00100		
Cadmium	0.005	Not Applicable	0.005 (MCL)	mg/L	<0.000400	<0.000400	<0.000400	<0.000100	<0.000500	<0.000100	<0.000100	<0.000100	<0.00100		
Chromium	0.1	Not Applicable	0.1 (MCL)	mg/L	0.000586 J	<0.000500	<0.000500	<0.000500	<0.00250	<0.000500	<0.000500	<0.000500	<0.000500		
Cobalt	None	Not Applicable	0.006 (ACL)	mg/L	0.000571 J	<0.000500	<0.000500	0.000403 J	0.000555 J	0.000434 J	0.000316 J	<0.000100	0.000281 J		
Fluoride	4	Not Applicable	4 (MCL)	mg/L	0.594	0.752	0.801	0.582	0.564	0.498	0.49	0.559	0.779	0.53	0.453
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	<0.000200	<0.000200	<0.000200	<0.000100	<0.000500	<0.000100	<0.000100	<0.000100	<0.000100		
Lithium	None	Not Applicable	0.235 (UTL)	mg/L	0.163	0.129	0.126	0.13	0.224 J	0.143	0.137	0.131	0.147		0.121
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150	<0.000150		
Molybdenum Selenium	None 0.05	Not Applicable Not Applicable	0.1 (ACL) 0.05 (MCL)	mg/L	0.00385 <0.000600	0.00193 J <0.000600	0.00188 J <0.000600	0.00212 <0.000300	<0.00500 <0.00150	0.0023 0.000512 J	0.002 <0.000300	0.00175 J 0.00391	0.00152 J <0.000300		<0.00100
Thallium	0.002	Not Applicable	0.003 (MCL)	mg/L mg/L	<0.000500	<0.000500	<0.000500	<0.000800	<0.00130	<0.000800	<0.000800	<0.000800	<0.000800		
Ra-226 + Ra-228 (combined)	5	Not Applicable	5 (MCL)	pCi/L	1.99 +/- 0.327	1.62 +/- 0.384	1.91 +/- 0.376	2.17 +/- 0.422	1.87 +/- 0.494	2.19 +/- 0.444	1.26 +/- 0.315	2.06 +/- 0.383	0.973 +/- 0.258		
Other Parameters				Units			IN	ITIAL EIGHT SAN	PLES TO ESTAB	LISH BACKGROU	IND			DETECTION MON. #1	VERIFICATION SAMPLE
Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	mg/L										MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L										MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L									 <5.00	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L									<5.00 312	MON. #1	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L									<5.00 312 <5.00	MON. #1	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L									<5.00 312	MON. #1	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<5.00 312 <5.00	MON. #1	
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L									<pre><5.00 312 <5.00</pre>	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<5.00 312 <5.00 	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<5.00 312 <5.00	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<5.00 312 <5.00	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<5.00 312 <5.00	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									<pre> <5.00 312 <5.00 35.1 </pre>	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 312 <5.00 35.1 9.21	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 312 <5.00 35.1 9.21 791	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory)	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 312 <5.00 35.1 9.21	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 312 <5.00 35.1 9.21 791	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Specific Conductance (laboratory) Sulfide Field Parameters	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 312 <5.00 35.1 9.21 791	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 312 <5.00 35.1 9.21 791 	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L							 		 <5.00 312 <5.00 35.1 9.21 791 20.69 7.11	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L									 <5.00 312 <5.00 35.1 9.21 791 20.69 7.11 3421	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20.64 7.37 3111 0.24			ITIAL EIGHT SAN 21.75 7.32 7.30 7.00 7.00 7.00 7.00 7.00 7.00 7.00 7.00 7.00 7.00					 <5.00 312 <5.00 35.1 9.21 791 20.69 7.11 3421 0.07	MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20.64 7.37 3111 0.24 62.8	22.37 7.32 3578 0.45		ITIAL EIGHT SAN 21.75 7.32 3600 0.07 -92.6	PLES TO ESTAB 19.28 7.28 3586 0.17 -239			22.05 7.2 3493 0.12 -12.6		MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Magnesium Molybdenum, Dissolved Mitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20.64 7.37 3111 0.24 62.8 2.1	22.37 7.32 3578 0.45 -72.7		ITIAL EIGHT SAN 21.75 7.32 3600 0.07 -92.6 0.3		LISH BACKGROU 20.91 7.26 3625 0.27 -182 0.27		22.05 7.2 3493 0.12 -12.6		MON. #1	SAMPLE
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferrous, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20.64 7.37 3111 0.24 62.8	22.37 7.32 3578 0.45		ITIAL EIGHT SAN 21.75 7.32 3600 0.07 -92.6	PLES TO ESTAB 19.28 7.28 3586 0.17 -239			22.05 7.2 3493 0.12 -12.6		MON. #1	SAMPLE

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value. 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics. U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- U. The analyte was analyzed tot, but was not detected above the level of the reported sample quantitation limit.

 U.: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

 J*: The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.



										4						
	MCL or	Established Background	Established GWPS	Sample ID:	MW-21	MW	V-21	MW-21	DUP-2	MW-21	DUP-2	MW-21	MW-21	MW-21	MW-21	DUP 3
Parameters	SMCL	(Det. Mon.)	(Ass. Mon.)	Sample Date:	3-Oct-18	15-Jan-19		24-Apr-19		2-Oct-19		17-Jun-20	12-Oct-20	31-Mar-21	13-0	ct-21
Detection Monitoring Parameters Unit		Units	ASSESSMENT MON. #1	T ASSESSMENT MON. #1 (RESAMPLE) UNFILTERED FILTERED		ASSESSMENT MON. #2		ASSESSMENT MON. #3		ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6	ASSESSMENT MON. #7			
Boron	None	1.896	Not Applicable	mg/L	3.07	3.96	3.92	3.79	3.63	2.63	2.89	2.84	2.77	2.42	2.53	2.31
Calcium	None	670.30	Not Applicable	mg/L	152	187	187	145	142	146	155	139	141	154	128	135
Chloride	250	18.51	Not Applicable	mg/L	21.9	22.1	22	20.6	19.8	22.1	22.2	21.8	22.8	23.3	21.5	22.1
Fluoride	4	0.6359	Not Applicable	mg/L	0.458	0.438	2.05	0.513	0.505	0.537	0.509	0.524	0.470 J	0.578	0.411	0.471
pH (laboratory)	6.5 - 8.5	6.485 - 8.018	Not Applicable	S.U.	7.9	6.89	4740	7.77 1440	7.74	7.58	7.12	7.07	7.64	7.28	7.28	7.43
Sulfate Total Dissolved Solids	250 500	1,591 2,546	Not Applicable Not Applicable	mg/L mg/L	1610 2650	1670 2740	1710 2720	2550	1530 2650	1560 2700	1530 2720	1470 2470	1780 2660	1660 2650	1670 2660	1520 2560
Total Dissorted dollars 500 2,040 Not Applicable Tilg/L		mgrz	ASSESSMENT	ASSESSME	ENT MON. #1		NT MON. #2		ENT MON. #3	ASSESSMENT	ASSESSMENT	ASSESSMENT		NT MON. #7		
Assessment Monitoring Pa	rameters			Units	MON. #1	UNFILTERED	FILTERED					MON. #4	MON. #5	MON. #6		
Antimony	0.006	Not Applicable	0.006 (MCL)	mg/L	<0.0008	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	0.000545 J
Arsenic	0.010	Not Applicable	0.01 (MCL)	mg/L	<0.008	0.00329	0.00223	0.00112 J	0.00136 J	0.000638 J	0.000574 J	0.000551 J	0.000536 J	0.000534 J	0.000539 J	0.000521 J
Barium	2	Not Applicable	2 (MCL)	mg/L	0.0137 J	0.0182	0.0176	0.0127	0.0117	0.00999	0.0111	0.0106	0.0107	0.0112	0.0102	0.0105
Beryllium	0.004	Not Applicable	0.004 (MCL)	mg/L	<0.002	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Cadmium	0.005	Not Applicable	0.005 (MCL) 0.1 (MCL)	mg/L	<0.0001 <0.01	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400	<0.000200 <0.000400
Chromium Cobalt	None	Not Applicable Not Applicable	0.1 (MCL) 0.006 (ACL)	mg/L mg/L	0.000216 J	<0.000400 0.00175 J	<0.000400 0.00140 J	0.000400 0.000407 J	0.000400 0.000321 J	0.000400 0.000227 J	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400	<0.000400
Fluoride	4	Not Applicable	4 (MCL)	mg/L	0.458	0.438	2.05	0.513	0.505	0.537	0.509	0.524	0.470 J	0.578	0.411	0.471
Lead	0.015	Not Applicable	0.015 (MCL)	mg/L	<0.0001	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600	<0.000600
Lithium	None	Not Applicable	0.235 (UTL)	mg/L	0.164 J	0.157	0.16	0.14	0.134	0.118	0.129	0.14	0.123	0.137	0.125	0.114
Mercury	0.002	Not Applicable	0.002 (MCL)	mg/L	<0.00015	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	<0.0000300	0.0000380 J	<0.0000300	0.0000330 J
Molybdenum	None	Not Applicable	0.1 (ACL)	mg/L	<0.001	0.00161 J	0.00160 J	0.00131 J	0.00118 J	0.00105 J	0.00184 J	0.00103 J	0.00103 J	0.000902 J	0.000677 J	0.000876 J
Selenium	0.05	Not Applicable	0.05 (MCL)	mg/L	<0.0003	<0.0011	<0.0011	<0.00110	0.00111 J	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110	<0.00110
Thallium Ra-226 + Ra-228 (combined)	0.002	Not Applicable Not Applicable	0.002 (MCL) 5 (MCL)	mg/L pCi/L	<0.0008 3.41 +/- 0.496	<0.000200 6.29	<0.000200	<0.000200 2.24	<0.000200 1.67	<0.000200 1.59	<0.000200 2.57	<0.000200	<0.000200 2.38	<0.000200 2.44	<0.000200 2.94	<0.000200 2.58
Tra-220 (combined)		140t Applicable	3 (WIOL)	POI/L	3.41 17- 0.430			2.24	1.07	1.00	2.01	3.09	2.30	2.44	2.54	2.50
					ASSESSMENT		ENT MON. #1 AMPLE)	ASSESSME	NT MON. #2	ASSESSME	ENT MON. #3	ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSME	NT MON. #7
Other Parameters				Units	ASSESSMENT MON. #1			ASSESSME	NT MON. #2	ASSESSME	ENT MON. #3	ASSESSMENT MON. #4	ASSESSMENT MON. #5	ASSESSMENT MON. #6	ASSESSME	NT MON. #7
Other Parameters Chemical Oxygen Demand (COD)	None	Not Applicable	Not Applicable	<i>Units</i> mg/L		(RESA	MPLE)	ASSESSME <5.00	NT MON. #2	ASSESSME <5.00	7.00 J				ASSESSME <5.00	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3	None	Not Applicable	Not Applicable	mg/L mg/L	MON. #1	(RESA UNFILTERED <5	MPLE) FILTERED					MON. #4	MON. #5	MON. #6		
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	None None	Not Applicable Not Applicable	Not Applicable Not Applicable	mg/L mg/L mg/L	<5	(RESA UNFILTERED <5 <5	MPLE) FILTERED	<5.00	<5.00 	<5.00 	7.00 J 	MON. #4	MON. #5 <5.00	MON. #6 <5.00	<5.00	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3	None None None	Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L	<5	(RESA UNFILTERED <5 <5 393	MPLE) FILTERED	<5.00 	<5.00 	<5.00 	7.00 J	MON. #4	<5.00	<5.00	<5.00 	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity	None None None	Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L	<pre>MON. #1 <5</pre>	(RESA UNFILTERED <5 <5 393 <5	MPLE)	<5.00 	<5.00 	<5.00 	7.00 J	MON. #4	<5.00	<5.00	<5.00 	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESA UNFILTERED <5 5 393 <5 	MPLE)	<5.00 	<5.00 	<5.00 	7.00 J	MON. #4	<5.00	MON. #6 <5.00	<5.00 	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved	None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<pre>MON. #1 <5</pre>	(RESA UNFILTERED <5 <5 393 <5	MPLE)	<5.00 	<5.00 	<5.00 	7.00 J	MON. #4	<5.00	<5.00	<5.00 	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total	None None None None	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	<pre>MON. #1 <5</pre>	(RESA UNFILTERED <5 <5 393 <5	MPLE) FILTERED	<5.00 	<5.00 	<5.00 	7.00 J	MON. #4	<5.00	MON. #6 <5.00	<5.00 	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESA UNFILTERED <5 <5 393 <5 	MPLE) FILTERED	<5.00	<5.00	<5.00	7.00 J	MON. #4	<5.00	MON. #6 <5.00	<5.00	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESA UNFILTERED <5 <5 393 <5 	MPLE) FILTERED	<5.00	<5.00	<5.00	7.00 J	MON. #4	<5.00	MON. #6 <5.00	<5.00	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESA UNFILTERED <5 <5 393 <5 62.1	MPLE) FILTERED	<5.00	<5.00	<5.00	7.00 J	MON. #4	<5.00	**************************************	<5.00	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESA UNFILTERED <5 	MPLE) FILTERED 62.3	<5.00	<5.00	<5.00	7.00 J	MON. #4	<5.00	**************************************	<5.00	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.449	(RESA UNFILTERED <5 	MPLE) FILTERED	<5.00	<5.00 1.36		7.00 J	MON. #4	MON. #5 <5.00 <0.150	**************************************	<5.00	7.00 J 0.168 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESA UNFILTERED <5 	MPLE) FILTERED 62.3 0.145 11.8	<5.00	<5.00 1.36		7.00 J	MON. #4	MON. #5 <5.00 <0.150 ——	**************************************	<5.00	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.449	(RESA UNFILTERED <5 <5 393 <5 62.1 0.14 12 684	MPLE) FILTERED	<5.00 1.16	<5.00 1.36		7.00 J	MON. #4	MON. #5 <5.00 < <0.150	MON. #6 <5.00	<5.00 0.207	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESA UNFILTERED <5 	MPLE) FILTERED 62.3 0.145 11.8	<5.00	<5.00 1.36		7.00 J	MON. #4	MON. #5 <5.00 <0.150 ——	**************************************	<5.00	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.449 3120	(RESA UNFILTERED <5 	MPLE) FILTERED 62.3 0.145 11.8 688 ENT MON. #1	<5.00	<5.00		7.00 J	MON. #4	MON. #5 <5.00 <0.150 3940	MON. #6 <5.00 0.961 3550	<5.00 0.207 3620	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.449 3120 ASSESSMENT MON. #1	(RESA UNFILTERED <5 	MPLE) FILTERED 62.3 0.145 11.8 688 ENT MON. #1 MPLE) FILTERED	<5.00	<5.00	-5.00	7.00 J 0.467	MON. #4	MON. #5 <5.00 <0.150 3940 ASSESSMENT MON. #5	MON. #6 <5.00 0.961 3550 ASSESSMENT MON. #6	<5.00	7.00 J
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.449 3120 ASSESSMENT MON. #1 24	(RESA UNFILTERED <5 	MPLE) FILTERED 62.3 0.145 11.8 688 ENT MON. #1 MPLE) FILTERED	<5.00 1.16 1.18 1.18 1.18 1.18	<5.00 1.36 1.76 NT MON. #2		7.00 J	MON. #4	MON. #5 <5.00 <0.150 3940 ASSESSMENT MON. #5 23.2	MON. #6 <5.00 0.961 3550 ASSESSMENT MON. #6	<5.00	7.00 J 0.168 J 3480 NT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.449 3120 ASSESSMENT MON. #1 24 7.13	(RESA UNFILTERED <5 	MPLE) FILTERED 62.3 0.145 11.8 688 ENT MON. #1 MPLE) FILTERED	<5.00 1.16 1.16 1.17 4SSESSME	<5.00 1.36 **NT MON. #2		7.00 J	MON. #4	MON. #5 <5.00 <0.150 <0.150 ASSESSMENT MON. #5 23.2 7.26	MON. #6 <5.00 0.961 3550 ASSESSMENT MON. #6 15.44 7.43	<5.00 0.207 3620 ASSESSME 21.3 7.23	7.00 J 0.168 J 3480 NT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 0.449 3120 ASSESSMENT MON. #1 24 7.13 3627	(RESA UNFILTERED <5 	MPLE) FILTERED	<5.00 1.16 1.16 1.16 1.17 ASSESSME 18.12 7.42 3533	<5.00 1.36 1.36		7.00 J	MON. #4	MON. #5 <5.00 <0.150 40.150 ASSESSMENT MON. #5 23.2 7.26 3516	MON. #6 <5.00 0.961 3550 ASSESSMENT MON. #6 15.44 7.43 4806	<5.00 0.207 3620 ASSESSME 21.3 7.23 3,262	7.00 J 0.168 J 3480 NT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous, Dissolved Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 -	(RESA UNFILTERED <5 	MPLE) FILTERED 62.3 0.145 11.8 688 ENT MON. #1 MPLE) FILTERED	<5.00 1.16 18.12 7.42 3533 1.23	<5.00 1.36		7.00 J	MON. #4	MON. #5 <5.00 <0.150 4SSESSMENT MON. #5 23.2 7.26 3516 0.48	MON. #6 <5.00 0.961 3550 ASSESSMENT MON. #6 15.44 7.43 4806 5	<5.00 0.207 3620 ASSESSME 21.3 7.23 3,262 0.31	7.00 J 0.168 J 3480 NT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5	(RESA UNFILTERED <5 	MPLE) FILTERED 62.3 0.145 11.8 688 ENT MON. #1 MPLE) FILTERED	<5.00 1.16 1.16 1.12 ASSESSME 18.12 7.42 3533 1.23 84	<5.00		7.00 J	MON. #4	MON. #5 <5.00 <0.150 40.150 ASSESSMENT MON. #5 23.2 7.26 3516 0.48 119.3	MON. #6 <5.00 0.961 3550 ASSESSMENT MON. #6 15.44 7.43 4806 5 25.6	<5.00 0.207 3620 ASSESSME 21.3 7.23 3,262 0.31 -212.1	7.00 J 0.168 J 3480 NT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous, Dissolved Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential Turbidity	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <5 -	(RESA UNFILTERED <5 	MPLE) FILTERED 62.3 0.145 11.8 688 ENT MON. #1 MPLE) FILTERED	<5.00 1.16 1.16 1.12 3533 1.22 7.42 3533 1.23 84 0.44	<5.00 1.36		7.00 J 0.467	MON. #4	**************************************	MON. #6 <5.00 0.961 3550 ASSESSMENT MON. #6 15.44 7.43 4806 5 25.6 1.27	<5.00 0.207 3620 21.3 7.23 3,262 0.31 -212.1 1.33	7.00 J 0.168 J 3480 NT MON. #7
Chemical Oxygen Demand (COD) Total Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Bicarbonate Alkalinity as CaCO3 Hydroxide Alkalinity Iron, Total Iron, Dissolved Iron, Ferrous Iron, Ferrous Iron, Ferric Iron, Ferric Iron, Ferric, Dissolved Magnesium Molybdenum, Dissolved Nitrate as N Potassium Sodium Specific Conductance (laboratory) Sulfide Field Parameters Temperature pH Specific Conductance Dissolved Oxygen Oxidation-Reduction Potential	None None None None None None None None	Not Applicable	Not Applicable	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	MON. #1 <55 0.449 3120 ASSESSMENT MON. #1 24 7.13 3627 0.43 45.9 2.38	(RESA UNFILTERED <5 	MPLE) FILTERED	<5.00 1.16 1.16 1.12 ASSESSME 18.12 7.42 3533 1.23 84	<5.00 1.36 1.36		7.00 J 0.467	MON. #4	MON. #5 <5.00 <0.150 40.150 ASSESSMENT MON. #5 23.2 7.26 3516 0.48 119.3	MON. #6 <5.00 0.961 3550 ASSESSMENT MON. #6 15.44 7.43 4806 5 25.6	<5.00 0.207 3620 ASSESSME 21.3 7.23 3,262 0.31 -212.1	7.00 J 0.168 J 3480 NT MON. #7

- MCL: Maximum Contaminant Level: Values obtained from EPA Primary/Secondary Drinking Water Standards.
 The MCL value for lead is the EPA's Action Level.
- 2. mg/L : milligrams per liter.
- pCi/L : picoCuries per liter.
 S.U. : Standard Units.
- °C : degrees Celsius.
 μmhos/cm : micromhos per centimeter.
- 7. mV : millivolts.
- 8. NTU: Nephelometric Turbidity Unit.
- 9. < : Analyte not detected at the laboratory method detection limit (MDL).
 10. J : Result is less than the Reporting Limit (RL) but greater than or equal to the MDL and the concentration is an approximate value. 11. Cells shaded in blue indicate results that are above the laboratory MDL.

 12. The sulfate value for sample MW-25R collected June 9, 2017 was originally reported by the laboratory as 331 mg/L. The laboratory reprepared and analyzed the sample. The value for sulfate on this table is the result of the reanalysis.
- 13. --- : no analysis performed.
- 13. : 10 arialysis periorimed.

 14. Data validation based on USEPA "National Functional Guidelines", OSWER 9355.0-132, EPA-540-R-014-002, Revision August 2014 for Organics and OSWER 9355.0-131, EPA-540-R-013-001, Revision August 2014 for Inorganics.

 U () : The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

 UJ : The analyte was analyzed for, but was not detected. The reported quantity limit is approximate and may be inaccurate or imprecise.

 J* : The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

 R : The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- 15. TOC: Top of Casing.
 16. ft: feet.
- 17. Water levels for Sampling (November-December 2016) were collected on November 28, 2016 with the exception of the new wells (MW-5S, MW-7S, MW-19S, MW-25R) where water levels were taken on December 8, 2016.

 18. New pumps were installed in MW-5S, MW-7S, MW-19S, and MW-25R in January 2017.

